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# **STATISTICAL YEARBOOK OF THE REPUBLIC OF CHINA**

---

# **2017**

DIRECTORATE-GENERAL OF BUDGET, ACCOUNTING AND STATISTICS  
EXECUTIVE YUAN, REPUBLIC OF CHINA

September 2018



## EXPLANATION OF SYMBOLS

|                                                                               |     |
|-------------------------------------------------------------------------------|-----|
| Not available.....                                                            | ... |
| None.....                                                                     | —   |
| Insignificant.....                                                            | --  |
| Magnitude insignificant, i.e., less than half of the unit of measurement..... | 0   |
| Revised figure.....                                                           | r   |
| Preliminary figure.....                                                       | p   |
| Forecasted figure.....                                                        | f   |
| Estimated figure.....                                                         | e   |

Decimal figures are always preceded by a period ( . ).

Thousands and millions are separated by a space.

Significant breaks in the homogeneity of a series are indicated by a horizontal or vertical line across the column.

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**APPENDIX**

1. Explanatory notes
2. The other important indicators (URL)

**LAND AND CLIMATE**

**Table 1. Land, agricultural land and forest land areas**

| End of Year | Land area<br>(Km <sup>2</sup> ) | Cultivated land (Ha.)        |             |                     |                 |                                 |                   |                    | Forest land area<br>(Ha.) |                           |
|-------------|---------------------------------|------------------------------|-------------|---------------------|-----------------|---------------------------------|-------------------|--------------------|---------------------------|---------------------------|
|             |                                 | Grand total                  | Paddy field |                     |                 |                                 |                   | Upland field       |                           |                           |
|             |                                 |                              | Total       | Double-cropping     | Single-cropping |                                 |                   |                    |                           |                           |
|             |                                 |                              |             |                     | Sub-total       | 1st Crop                        | 2nd Crop          |                    |                           |                           |
| 1962        | 36 140.27                       | 871 858                      | 530 354     | 331 765             | 198 589         | 14 922                          | 183 667           | 341 504            | 2 131 267                 |                           |
| 1971        | 36 160.50                       | 902 617                      | 525 761     | 334 690             | 191 071         | 11 109                          | 179 962           | 376 856            | 2 224 472                 |                           |
| 1981        | 36 179.12                       | 900 062                      | 502 822     | 354 036             | 148 786         | 11 906                          | 136 880           | 397 240            | 1 865 141                 |                           |
| 1991        | 36 181.87                       | 884 443                      | 472 759     | 333 448             | 139 311         | 10 182                          | 129 129           | 411 684            | 1 865 141                 |                           |
| 2001        | 36 188.04                       | 848 743                      | 438 974     | 315 544             | 123 430         | 7 239                           | 116 191           | 409 769            | 2 101 719                 |                           |
| End of Year | Land area<br>(Km <sup>2</sup> ) | Agricultural land area (Ha.) |             |                     |                 |                                 |                   |                    |                           | Forest land area<br>(Ha.) |
|             |                                 | Grand total                  | Cropland    |                     |                 |                                 |                   |                    | Fallow                    |                           |
|             |                                 |                              | Total       | Short-term cropland |                 |                                 |                   | Permanent cropland |                           |                           |
|             |                                 |                              |             | Sub-total           | Rice            | Temporary crops, excluding rice | Short-term fallow |                    |                           |                           |
| 2008        | 36 189.51                       | 822 364                      | 776 451     | 477 358             | 148 333         | 132 008                         | 197 016           | 299 093            | 45 913                    | 2 101 719                 |
| 2009        | 36 191.47                       | 815 462                      | 768 545     | 475 690             | 151 338         | 128 647                         | 195 705           | 292 855            | 46 917                    | 2 101 719                 |
| 2010        | 36 191.47                       | 813 126                      | 761 821     | 479 639             | 139 941         | 136 899                         | 202 799           | 282 182            | 51 305                    | 2 101 719                 |
| 2011        | 36 192.82                       | 808 294                      | 755 355     | 479 332             | 153 405         | 119 314                         | 206 613           | 276 022            | 52 939                    | 2 101 719                 |
| 2012        | 36 192.82                       | 802 876                      | 752 108     | 482 915             | 156 662         | 120 151                         | 206 102           | 269 193            | 50 768                    | 2 101 719                 |
| 2013        | 36 192.82                       | 799 830                      | 751 151     | 485 622             | 162 869         | 106 286                         | 216 467           | 265 529            | 48 679                    | 2 101 719                 |
| 2014        | 36 192.82                       | 799 611                      | 748 613     | 484 594             | 166 602         | 96 503                          | 221 489           | 264 019            | 50 999                    | 2 101 719                 |
| 2015        | 36 197.07                       | 796 618                      | 746 576     | 481 824             | 146 597         | 98 639                          | 236 587           | 264 752            | 50 042                    | 2 197 090                 |
| 2016        | 36 197.07                       | 794 005                      | 745 627     | 479 264             | 168 872         | 80 315                          | 230 078           | 266 362            | 48 378                    | 2 197 090                 |
| 2017        | 36 197.07                       | 793 027                      | 745 518     | 480 751             | 169 819         | 78 581                          | 232 352           | 264 767            | 47 509                    | 2 197 090                 |

**Source:** 1. Ministry of the Interior

2. Agriculture and Food Agency, COA, Executive Yuan

3. Forestry Bureau, COA, Executive Yuan



**Table 2. The mean temperature**

°C

| Year | Kee-lung | Dan-shuei | Taipei | Hsin-chu | Yilan | Tai-chung | Hua-lien | Sun Moon Lake | Ali-shan | Kao-hsiung | Heng-chun |
|------|----------|-----------|--------|----------|-------|-----------|----------|---------------|----------|------------|-----------|
| 1952 | 22.4     | 22.5      | 22.4   | 22.1     | 22.3  | 23.1      | 23.2     | 19.9          | 11.3     | 24.5       | 25.6      |
| 1971 | 22.1     | 22.1      | 22.1   | 21.8     | 21.6  | 22.6      | 22.7     | 18.9          | 10.1     | 23.8       | 24.7      |
| 1981 | 22.1     | 22.5      | 22.5   | 22.2     | 22.3  | 22.8      | 23.1     | 19.1          | 10.9     | 25.0       | 25.2      |
| 1991 | 22.6     | 22.3      | 23.5   | 22.5     | 22.3  | 23.5      | 23.5     | 19.4          | 11.1     | 25.3       | 25.1      |
| 2001 | 23.0     | 22.3      | 23.3   | 22.7     | 22.8  | 23.6      | 23.7     | 19.2          | 11.5     | 25.1       | 25.2      |
| 2008 | 22.7     | 22.3      | 23.2   | 22.8     | 23.0  | 23.5      | 23.6     | 19.3          | 11.2     | 25.1       | 25.4      |
| 2009 | 22.7     | 22.7      | 23.4   | 23.1     | 22.9  | 23.8      | 23.8     | 19.3          | 11.6     | 25.4       | 25.4      |
| 2010 | 22.6     | 22.3      | 23.3   | 22.7     | 22.7  | 23.7      | 23.7     | 19.2          | 11.8     | 25.4       | 25.4      |
| 2011 | 22.2     | 21.6      | 22.7   | 22.3     | 22.1  | 23.5      | 23.1     | 18.9          | 11.0     | 24.9       | 24.7      |
| 2012 | 22.6     | 22.1      | 23.2   | 22.7     | 22.6  | 23.6      | 23.3     | 19.2          | 11.5     | 25.4       | 25.5      |
| 2013 | 22.7     | 22.7      | 23.4   | 22.9     | 22.7  | 23.6      | 23.5     | 19.4          | 11.5     | 25.5       | 25.6      |
| 2014 | 22.8     | 22.8      | 23.5   | 23.1     | 22.6  | 23.8      | 23.5     | 19.4          | 11.5     | 25.6       | 25.6      |
| 2015 | 23.0     | 23.1      | 23.8   | 23.3     | 23.0  | 24.3      | 23.9     | 19.6          | 12.0     | 26.1       | 26.1      |
| 2016 | 23.3     | 23.0      | 24.0   | 23.5     | 23.3  | 24.2      | 24.2     | 19.6          | 12.2     | 25.9       | 26.3      |
| 2017 | 23.2     | 23.2      | 23.9   | 23.5     | 23.3  | 24.2      | 24.1     | 19.6          | 12.3     | 26.3       | 26.3      |

Source: Central Weather Bureau



## **POPULATION AND HOUSING**

**Table 3. General situation of population**

| End of Year | No. of population (1,000 Persons) |        |        |        |        |       | Sex ratio<br>(Female=100) | Depen-<br>dency<br>ratio<br>(%) | House-<br>holds<br>(1,000<br>Households) | Mean size<br>of house-<br>holds<br>(Persons/<br>households) | Populatio<br>n density<br>(Persons<br>per km <sup>2</sup> ) |
|-------------|-----------------------------------|--------|--------|--------|--------|-------|---------------------------|---------------------------------|------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
|             | Total                             | By sex |        | By age |        |       |                           |                                 |                                          |                                                             |                                                             |
|             |                                   | Male   | Female | 0-14   | 15-64  | 65+   |                           |                                 |                                          |                                                             |                                                             |
| 1961        | 11 149                            | 5 715  | 5 434  | 5 112  | 5 759  | 278   | 105.2                     | 93.6                            | 2 002                                    | 5.6                                                         | 310.0                                                       |
| 1971        | 14 995                            | 7 895  | 7 100  | 5 805  | 8 736  | 454   | 111.2                     | 71.6                            | 2 703                                    | 5.5                                                         | 416.7                                                       |
| 1981        | 18 194                            | 9 480  | 8 714  | 5 754  | 11 637 | 803   | 108.8                     | 56.3                            | 3 906                                    | 4.7                                                         | 502.9                                                       |
| 1991        | 20 606                            | 10 640 | 9 966  | 5 427  | 13 833 | 1 345 | 106.8                     | 49.0                            | 5 227                                    | 3.9                                                         | 569.5                                                       |
| 2001        | 22 406                            | 11 442 | 10 964 | 4 662  | 15 770 | 1 973 | 104.4                     | 42.1                            | 6 802                                    | 3.3                                                         | 619.1                                                       |
| 2008        | 23 037                            | 11 626 | 11 411 | 3 905  | 16 730 | 2 402 | 101.9                     | 37.7                            | 7 656                                    | 3.0                                                         | 636.6                                                       |
| 2009        | 23 120                            | 11 637 | 11 483 | 3 778  | 16 884 | 2 458 | 101.3                     | 36.9                            | 7 806                                    | 3.0                                                         | 638.8                                                       |
| 2010        | 23 162                            | 11 635 | 11 527 | 3 624  | 17 050 | 2 488 | 100.9                     | 35.8                            | 7 937                                    | 2.9                                                         | 640.0                                                       |
| 2011        | 23 225                            | 11 646 | 11 579 | 3 502  | 17 195 | 2 528 | 100.6                     | 35.1                            | 8 058                                    | 2.9                                                         | 641.7                                                       |
| 2012        | 23 316                            | 11 673 | 11 643 | 3 412  | 17 304 | 2 600 | 100.3                     | 34.7                            | 8 186                                    | 2.8                                                         | 644.2                                                       |
| 2013        | 23 374                            | 11 685 | 11 689 | 3 347  | 17 333 | 2 694 | 100.0                     | 34.9                            | 8 286                                    | 2.8                                                         | 645.8                                                       |
| 2014        | 23 434                            | 11 698 | 11 736 | 3 277  | 17 348 | 2 809 | 99.7                      | 35.1                            | 8 383                                    | 2.8                                                         | 647.5                                                       |
| 2015        | 23 492                            | 11 712 | 11 780 | 3 188  | 17 366 | 2 939 | 99.4                      | 35.3                            | 8 469                                    | 2.8                                                         | 649.0                                                       |
| 2016        | 23 540                            | 11 719 | 11 821 | 3 142  | 17 292 | 3 106 | 99.1                      | 36.1                            | 8 561                                    | 2.7                                                         | 650.3                                                       |
| 2017        | 23 571                            | 11 720 | 11 852 | 3 092  | 17 211 | 3 268 | 98.9                      | 37.0                            | 8 649                                    | 2.7                                                         | 651.2                                                       |

**Note:** Data do not include Kinmen County and Lienchiang County before 1980.**Source:** Ministry of the Interior

**Table 4. Number and rates of births, deaths, immigrants and emigrants, marriages and divorces**

Persons

| Year | Births        |         |         |                          | Deaths        |          |            |                          |
|------|---------------|---------|---------|--------------------------|---------------|----------|------------|--------------------------|
|      | No. of births | Male    | Female  | Crude birth rates (0/00) | No. of deaths | Male (1) | Female (1) | Crude death rates (0/00) |
| 1966 | 415 108       | 213 328 | 201 780 | 32.40                    | 69 778        | 39 379   | 30 399     | 5.45                     |
| 1971 | 380 424       | 195 938 | 184 486 | 25.64                    | 70 954        | 41 596   | 29 358     | 4.78                     |
| 1981 | 414 069       | 213 948 | 200 121 | 22.97                    | 87 192        | 52 627   | 34 221     | 4.84                     |
| 1991 | 321 932       | 168 865 | 153 067 | 15.70                    | 106 284       | 65 386   | 40 898     | 5.18                     |
| 2001 | 260 354       | 135 596 | 124 758 | 11.65                    | 127 647       | 79 319   | 48 328     | 5.71                     |
| 2008 | 198 733       | 103 937 | 94 796  | 8.64                     | 143 624       | 88 541   | 55 083     | 6.25                     |
| 2009 | 191 310       | 99 492  | 91 818  | 8.29                     | 143 582       | 88 088   | 55 494     | 6.22                     |
| 2010 | 166 886       | 87 213  | 79 673  | 7.21                     | 145 772       | 89 152   | 56 620     | 6.30                     |
| 2011 | 196 627       | 101 943 | 94 684  | 8.48                     | 152 915       | 93 810   | 59 105     | 6.59                     |
| 2012 | 229 481       | 118 848 | 110 633 | 9.86                     | 154 251       | 93 618   | 60 633     | 6.63                     |
| 2013 | 199 113       | 103 120 | 95 993  | 8.53                     | 155 908       | 94 505   | 61 403     | 6.68                     |
| 2014 | 210 383       | 108 817 | 101 566 | 8.99                     | 163 929       | 98 733   | 65 196     | 7.00                     |
| 2015 | 213 598       | 111 041 | 102 557 | 9.10                     | 163 858       | 98 580   | 65 278     | 6.98                     |
| 2016 | 208 440       | 108 133 | 100 307 | 8.86                     | 172 405       | 103 144  | 69 261     | 7.33                     |
| 2017 | 193 844       | 100 477 | 93 367  | 8.23                     | 171 242       | 101 555  | 69 687     | 7.27                     |

**Note:** Data do not include Kinmen County and Lienchiang County before 1980.**(1)** Data do not include Kinmen County and Lienchiang County in 1981.**Source:** Ministry of the Interior

**Table 4. Number and rates of births, deaths, immigrants and emigrants, marriages and divorces (continued)**

| Year | Immigrants & emigrants<br>(Persons) |           | Natural<br>increase rates<br>(0/00) | Social<br>increase rates<br>(0/00) | Marriages          |                                   | Divorces           |                               |
|------|-------------------------------------|-----------|-------------------------------------|------------------------------------|--------------------|-----------------------------------|--------------------|-------------------------------|
|      | Immigrants                          | Emigrants |                                     |                                    | Couples<br>(Pairs) | Crude<br>marriage rates<br>(0/00) | Couples<br>(Pairs) | Crude divorce<br>rates (0/00) |
| 1966 | 680 765                             | 661 991   | 31.58                               | 1.54                               | 95 897             | 7.49                              | 4 915              | 0.38                          |
| 1971 | 691 326                             | 688 843   | 20.86                               | 0.76                               | 106 812            | 7.20                              | 5 310              | 0.36                          |
| 1981 | 1 541 191                           | 1 536 683 | 18.13                               | 0.06                               | 167 496            | 9.29                              | 14 884             | 0.83                          |
| 1991 | 1 477 764                           | 1 489 892 | 10.52                               | -0.54                              | 162 972            | 7.95                              | 28 298             | 1.38                          |
| 2001 | 1 373 363                           | 1 377 174 | 5.94                                | -0.17                              | 170 515            | 7.63                              | 56 538             | 2.53                          |
| 2008 | 1 196 407                           | 1 172 845 | 2.40                                | 1.02                               | 154 866            | 6.73                              | 55 995             | 2.43                          |
| 2009 | 1 198 561                           | 1 163 548 | 2.07                                | 1.52                               | 117 099            | 5.07                              | 57 223             | 2.48                          |
| 2010 | 1 213 899                           | 1 192 662 | 0.91                                | 0.92                               | 138 819            | 6.00                              | 58 115             | 2.51                          |
| 2011 | 1 128 449                           | 1 109 372 | 1.88                                | 0.82                               | 165 327            | 7.13                              | 57 008             | 2.46                          |
| 2012 | 1 118 006                           | 1 102 326 | 3.23                                | 0.67                               | 143 384            | 6.16                              | 55 980             | 2.41                          |
| 2013 | 1 079 702                           | 1 065 212 | 1.85                                | 0.62                               | 147 636            | 6.32                              | 53 604             | 2.30                          |
| 2014 | 1 073 783                           | 1 060 001 | 1.98                                | 0.59                               | 149 287            | 6.38                              | 53 190             | 2.27                          |
| 2015 | 1 004 108                           | 995 527   | 2.12                                | 0.37                               | 154 346            | 6.58                              | 53 459             | 2.28                          |
| 2016 | 964 536                             | 952 829   | 1.53                                | 0.50                               | 147 861            | 6.29                              | 53 837             | 2.29                          |
| 2017 | 948 049                             | 939 240   | 0.96                                | 0.37                               | 138 034            | 5.86                              | 54 412             | 2.31                          |

**Table 5. Fertility rates of childbearing age women**

‰

| Year | General fertility rates | Total fertility rates | Age-specific fertility rates |       |       |       |       |       |       |
|------|-------------------------|-----------------------|------------------------------|-------|-------|-------|-------|-------|-------|
|      |                         |                       | 15-19                        | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 1951 | 211                     | 7 040                 | 68                           | 267   | 350   | 311   | 226   | 132   | 34    |
| 1971 | 112                     | 3 705                 | 36                           | 224   | 277   | 134   | 51    | 16    | 3     |
| 1981 | 89                      | 2 455                 | 31                           | 176   | 197   | 69    | 14    | 3     | 1     |
| 1991 | 58                      | 1 720                 | 17                           | 92    | 149   | 68    | 16    | 2     | 0     |
| 2001 | 41                      | 1 400                 | 13                           | 62    | 106   | 75    | 21    | 3     | 0     |
| 2008 | 31                      | 1 050                 | 5                            | 32    | 72    | 73    | 25    | 3     | 0     |
| 2009 | 31                      | 1 030                 | 4                            | 27    | 69    | 75    | 27    | 4     | 0     |
| 2010 | 27                      | 895                   | 4                            | 23    | 55    | 65    | 28    | 4     | 0     |
| 2011 | 32                      | 1 065                 | 4                            | 23    | 66    | 81    | 34    | 5     | 0     |
| 2012 | 38                      | 1 270                 | 4                            | 26    | 79    | 97    | 42    | 6     | 0     |
| 2013 | 32                      | 1 065                 | 4                            | 22    | 62    | 80    | 39    | 6     | 0     |
| 2014 | 34                      | 1 165                 | 4                            | 22    | 67    | 90    | 43    | 7     | 0     |
| 2015 | 35                      | 1 175                 | 4                            | 22    | 66    | 91    | 45    | 7     | 0     |
| 2016 | 34                      | 1 170                 | 4                            | 22    | 63    | 90    | 47    | 8     | 0     |
| 2017 | 33                      | 1 125                 | 4                            | 21    | 59    | 85    | 47    | 9     | 0     |

**Source:** Ministry of the Interior

Table 6. Life expectancy and death rates by 5-year age group

‰

| Year | Life expectancy<br>(1)<br>(Years) |        | Infant<br>mortality<br>rates<br>(2) | Maternal<br>mortality<br>rates<br>(3) | All ages      |       |        | 0             |       |        | 1-4           |       |        |
|------|-----------------------------------|--------|-------------------------------------|---------------------------------------|---------------|-------|--------|---------------|-------|--------|---------------|-------|--------|
|      | Male                              | Female |                                     |                                       | Both<br>sexes | Male  | Female | Both<br>sexes | Male  | Female | Both<br>sexes | Male  | Female |
| 1951 | 53.10                             | 57.32  | ...                                 | ...                                   | 11.57         | 11.75 | 11.39  | 40.42         | 42.72 | 38.04  | 24.89         | 23.36 | 26.48  |
| 1971 | 67.19                             | 72.08  | ...                                 | ...                                   | 4.78          | 5.32  | 4.18   | 15.96         | 17.04 | 14.80  | 2.68          | 2.78  | 2.58   |
| 1981 | 69.74                             | 74.64  | ...                                 | ...                                   | 4.85          | 5.63  | 4.00   | 10.05         | 10.63 | 9.42   | 1.28          | 1.45  | 1.10   |
| 1991 | 71.83                             | 77.14  | 5.1                                 | 8.1                                   | 5.17          | 6.15  | 4.12   | 5.39          | 5.69  | 5.07   | 0.74          | 0.84  | 0.64   |
| 2001 | 74.07                             | 79.92  | 6.0                                 | 7.0                                   | 5.72          | 6.96  | 4.43   | 6.33          | 6.85  | 5.76   | 0.46          | 0.53  | 0.38   |
| 2008 | 75.59                             | 81.94  | 4.6                                 | 6.6                                   | 6.24          | 7.62  | 4.84   | 5.00          | 5.29  | 4.68   | 0.37          | 0.40  | 0.34   |
| 2009 | 76.03                             | 82.34  | 4.0                                 | 8.3                                   | 6.22          | 7.57  | 4.85   | 4.44          | 4.59  | 4.27   | 0.31          | 0.33  | 0.29   |
| 2010 | 76.13                             | 82.55  | 4.2                                 | 4.2                                   | 6.30          | 7.66  | 4.92   | 4.42          | 4.91  | 3.88   | 0.25          | 0.26  | 0.25   |
| 2011 | 75.96                             | 82.63  | 4.2                                 | 5.0                                   | 6.61          | 8.07  | 5.13   | 5.05          | 5.30  | 4.79   | 0.30          | 0.31  | 0.28   |
| 2012 | 76.43                             | 82.82  | 3.7                                 | 8.5                                   | 6.67          | 8.08  | 5.25   | 4.43          | 4.89  | 3.93   | 0.28          | 0.29  | 0.27   |
| 2013 | 76.91                             | 83.36  | 3.9                                 | 9.2                                   | 6.67          | 8.08  | 5.26   | 3.91          | 4.21  | 3.58   | 0.21          | 0.23  | 0.19   |
| 2014 | 76.72                             | 83.19  | 3.6                                 | 6.6                                   | 6.98          | 8.42  | 5.54   | 4.01          | 4.57  | 3.42   | 0.22          | 0.23  | 0.21   |
| 2015 | 77.01                             | 83.62  | 4.1                                 | 11.7                                  | 6.98          | 8.42  | 5.55   | 4.44          | 4.74  | 4.11   | 0.22          | 0.25  | 0.18   |
| 2016 | 76.81                             | 83.42  | 3.9                                 | 11.6                                  | 7.35          | 8.82  | 5.89   | 4.12          | 4.31  | 3.91   | 0.21          | 0.23  | 0.18   |
| 2017 | ...                               | ...    | 4.0                                 | 9.8                                   | 7.30          | 8.70  | 5.92   | 4.09          | 4.20  | 3.96   | 0.17          | 0.17  | 0.16   |

  

| Year | 5-9        |      |        | 10-14      |      |        | 15-19      |      |        | 20-24      |      |        |
|------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
|      | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 1951 | 3.35       | 3.42 | 3.27   | 2.02       | 2.21 | 1.82   | 2.09       | 2.17 | 2.00   | 3.39       | 3.53 | 3.26   |
| 1971 | 0.62       | 0.72 | 0.50   | 0.48       | 0.57 | 0.38   | 0.89       | 1.08 | 0.68   | 1.28       | 1.71 | 0.82   |
| 1981 | 0.45       | 0.58 | 0.32   | 0.46       | 0.57 | 0.33   | 0.95       | 1.33 | 0.54   | 1.23       | 1.71 | 0.74   |
| 1991 | 0.33       | 0.39 | 0.27   | 0.34       | 0.41 | 0.26   | 0.91       | 1.30 | 0.49   | 1.08       | 1.55 | 0.58   |
| 2001 | 0.20       | 0.23 | 0.17   | 0.21       | 0.25 | 0.17   | 0.60       | 0.80 | 0.39   | 0.73       | 1.01 | 0.43   |
| 2008 | 0.15       | 0.16 | 0.14   | 0.14       | 0.16 | 0.12   | 0.40       | 0.54 | 0.25   | 0.56       | 0.76 | 0.35   |
| 2009 | 0.19       | 0.22 | 0.17   | 0.17       | 0.20 | 0.13   | 0.39       | 0.50 | 0.27   | 0.54       | 0.71 | 0.35   |
| 2010 | 0.14       | 0.16 | 0.11   | 0.15       | 0.17 | 0.13   | 0.38       | 0.52 | 0.23   | 0.48       | 0.67 | 0.27   |
| 2011 | 0.13       | 0.15 | 0.11   | 0.15       | 0.17 | 0.12   | 0.37       | 0.50 | 0.24   | 0.53       | 0.73 | 0.30   |
| 2012 | 0.15       | 0.14 | 0.15   | 0.15       | 0.17 | 0.12   | 0.36       | 0.48 | 0.22   | 0.49       | 0.63 | 0.33   |
| 2013 | 0.15       | 0.14 | 0.15   | 0.16       | 0.17 | 0.14   | 0.34       | 0.47 | 0.21   | 0.45       | 0.61 | 0.28   |
| 2014 | 0.15       | 0.15 | 0.15   | 0.14       | 0.16 | 0.12   | 0.33       | 0.45 | 0.21   | 0.44       | 0.61 | 0.24   |
| 2015 | 0.10       | 0.12 | 0.08   | 0.12       | 0.15 | 0.10   | 0.35       | 0.48 | 0.20   | 0.45       | 0.61 | 0.27   |
| 2016 | 0.13       | 0.14 | 0.12   | 0.14       | 0.16 | 0.11   | 0.34       | 0.48 | 0.20   | 0.46       | 0.66 | 0.26   |
| 2017 | 0.11       | 0.11 | 0.10   | 0.15       | 0.17 | 0.12   | 0.34       | 0.45 | 0.22   | 0.44       | 0.60 | 0.27   |

**Note:** The data of death rates do not include Kinmen County and Lienchiang County before 1983, and they are calculated by the date of death of occurrence after 1973.

(1) Data do not include Kinmen County and Lienchiang County before 1992.

(2) It's per 1,000 live births.

(3) It's per 100,000 live births.

**Source:** 1. Ministry of the Interior

2. Ministry of Health and Welfare



**Table 6. Life expectancy and death rates by 5-year age group (continued)**

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| Year | 25-29      |      |        | 30-34      |      |        | 35-39      |      |        | 40-44      |      |        |
|------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
|      | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 1951 | 4.38       | 4.66 | 4.08   | 5.35       | 5.44 | 5.26   | 6.55       | 6.84 | 6.22   | 9.19       | 9.65 | 8.70   |
| 1971 | 1.58       | 2.07 | 1.07   | 1.88       | 2.39 | 1.35   | 2.60       | 3.13 | 1.99   | 3.58       | 4.09 | 2.82   |
| 1981 | 1.34       | 1.83 | 0.82   | 1.56       | 2.13 | 0.95   | 2.20       | 2.92 | 1.44   | 3.18       | 4.29 | 2.04   |
| 1991 | 1.24       | 1.75 | 0.70   | 1.46       | 2.05 | 0.84   | 1.97       | 2.72 | 1.18   | 2.68       | 3.75 | 1.56   |
| 2001 | 0.85       | 1.22 | 0.46   | 1.22       | 1.76 | 0.66   | 1.81       | 2.62 | 0.97   | 2.56       | 3.68 | 1.40   |
| 2008 | 0.72       | 0.98 | 0.45   | 1.10       | 1.58 | 0.61   | 1.66       | 2.47 | 0.85   | 2.50       | 3.73 | 1.25   |
| 2009 | 0.74       | 0.99 | 0.48   | 1.04       | 1.50 | 0.57   | 1.61       | 2.46 | 0.77   | 2.41       | 3.54 | 1.27   |
| 2010 | 0.68       | 0.94 | 0.41   | 0.97       | 1.38 | 0.56   | 1.46       | 2.19 | 0.75   | 2.32       | 3.43 | 1.21   |
| 2011 | 0.64       | 0.90 | 0.37   | 0.99       | 1.41 | 0.56   | 1.56       | 2.35 | 0.79   | 2.37       | 3.61 | 1.13   |
| 2012 | 0.64       | 0.84 | 0.44   | 0.96       | 1.35 | 0.58   | 1.50       | 2.22 | 0.80   | 2.30       | 3.47 | 1.14   |
| 2013 | 0.55       | 0.75 | 0.33   | 0.86       | 1.20 | 0.52   | 1.38       | 2.05 | 0.72   | 2.13       | 3.17 | 1.10   |
| 2014 | 0.54       | 0.72 | 0.35   | 0.86       | 1.21 | 0.51   | 1.44       | 2.13 | 0.76   | 2.16       | 3.22 | 1.13   |
| 2015 | 0.55       | 0.73 | 0.36   | 0.80       | 1.11 | 0.50   | 1.34       | 1.99 | 0.70   | 2.11       | 3.15 | 1.10   |
| 2016 | 0.55       | 0.75 | 0.33   | 0.85       | 1.20 | 0.51   | 1.35       | 1.93 | 0.77   | 2.10       | 3.15 | 1.08   |
| 2017 | 0.50       | 0.65 | 0.33   | 0.79       | 1.07 | 0.50   | 1.24       | 1.79 | 0.71   | 2.02       | 3.00 | 1.08   |

  

| Year | 45-49      |       |        | 50-54      |       |        | 55-59      |       |        | 60-64      |       |        |
|------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
|      | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female |
| 1951 | 11.93      | 13.52 | 10.18  | 15.95      | 18.75 | 12.99  | 22.36      | 26.48 | 18.21  | 34.37      | 41.41 | 28.04  |
| 1971 | 5.28       | 5.96  | 4.25   | 8.54       | 9.94  | 6.55   | 12.96      | 15.40 | 9.72   | 21.76      | 26.74 | 16.26  |
| 1981 | 4.91       | 6.27  | 3.38   | 7.28       | 8.68  | 5.26   | 11.24      | 13.20 | 8.38   | 18.10      | 21.15 | 14.03  |
| 1991 | 4.16       | 5.62  | 2.65   | 6.18       | 8.20  | 4.15   | 9.08       | 11.72 | 6.21   | 14.42      | 17.29 | 10.51  |
| 2001 | 3.60       | 5.09  | 2.07   | 5.26       | 7.32  | 3.18   | 8.20       | 10.95 | 5.49   | 12.05      | 16.01 | 8.32   |
| 2008 | 3.48       | 5.08  | 1.88   | 4.71       | 6.80  | 2.64   | 6.66       | 9.43  | 3.96   | 10.20      | 13.86 | 6.71   |
| 2009 | 3.31       | 4.85  | 1.77   | 4.65       | 6.70  | 2.63   | 6.58       | 9.19  | 4.04   | 9.76       | 13.21 | 6.48   |
| 2010 | 3.31       | 4.82  | 1.80   | 4.53       | 6.51  | 2.58   | 6.48       | 9.13  | 3.92   | 9.25       | 12.66 | 6.00   |
| 2011 | 3.36       | 5.02  | 1.70   | 4.65       | 6.63  | 2.69   | 6.38       | 9.11  | 3.74   | 9.31       | 12.88 | 5.93   |
| 2012 | 3.36       | 4.93  | 1.81   | 4.45       | 6.44  | 2.50   | 6.18       | 8.78  | 3.66   | 9.04       | 12.31 | 5.94   |
| 2013 | 3.25       | 4.78  | 1.73   | 4.55       | 6.55  | 2.57   | 6.14       | 8.73  | 3.65   | 8.92       | 12.34 | 5.68   |
| 2014 | 3.29       | 4.89  | 1.71   | 4.58       | 6.57  | 2.62   | 6.21       | 8.68  | 3.82   | 8.91       | 12.33 | 5.69   |
| 2015 | 3.21       | 4.76  | 1.68   | 4.44       | 6.41  | 2.50   | 6.05       | 8.75  | 3.46   | 8.76       | 12.21 | 5.52   |
| 2016 | 3.16       | 4.70  | 1.65   | 4.61       | 6.71  | 2.54   | 6.34       | 9.13  | 3.66   | 8.76       | 12.37 | 5.38   |
| 2017 | 3.02       | 4.50  | 1.58   | 4.38       | 6.40  | 2.41   | 6.12       | 8.81  | 3.54   | 8.42       | 11.87 | 5.18   |

Table 6. Life expectancy and death rates by 5-year age group (continued)

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| Year | 65-69                |        |        | 70-74      |        |        | 75-79      |        |        | 80-84      |        |        |
|------|----------------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|
|      | Both sexes           | Male   | Female | Both sexes | Male   | Female | Both sexes | Male   | Female | Both sexes | Male   | Female |
| 1951 | 46.90                | 57.80  | 38.42  | 112.03     | 131.49 | 101.09 | -          | -      | -      | -          | -      | -      |
| 1971 | 34.46                | 42.13  | 26.89  | 55.72      | 67.05  | 46.37  | 84.00      | 103.34 | 70.78  | 131.86     | 152.60 | 120.76 |
| 1981 | 29.42                | 34.11  | 23.72  | 45.72      | 52.85  | 38.87  | 71.16      | 79.04  | 64.64  | 113.80     | 127.26 | 104.95 |
| 1991 | 22.60                | 26.15  | 17.84  | 37.67      | 42.90  | 31.42  | 63.33      | 70.01  | 56.30  | 100.13     | 110.18 | 92.10  |
| 2001 | 19.23                | 24.59  | 13.88  | 30.59      | 35.87  | 23.98  | 48.52      | 55.68  | 39.91  | 80.05      | 89.47  | 70.46  |
| 2008 | 15.45                | 20.49  | 10.89  | 25.94      | 33.39  | 19.41  | 42.43      | 51.10  | 33.30  | 69.16      | 78.53  | 58.80  |
| 2009 | 14.92                | 19.62  | 10.65  | 24.56      | 31.93  | 18.22  | 40.67      | 49.41  | 32.03  | 66.84      | 76.36  | 56.36  |
| 2010 | 14.41                | 19.49  | 9.77   | 23.27      | 29.97  | 17.54  | 39.99      | 49.35  | 31.34  | 67.09      | 76.87  | 56.48  |
| 2011 | 14.48                | 19.58  | 9.83   | 23.36      | 30.52  | 17.24  | 40.70      | 51.33  | 31.44  | 67.49      | 78.29  | 56.13  |
| 2012 | 14.29                | 19.06  | 9.93   | 22.71      | 29.59  | 16.81  | 39.14      | 49.29  | 30.69  | 66.71      | 78.66  | 54.71  |
| 2013 | 13.55                | 18.15  | 9.35   | 22.22      | 28.81  | 16.55  | 37.11      | 47.10  | 29.03  | 65.08      | 77.47  | 53.34  |
| 2014 | 13.64                | 18.32  | 9.36   | 22.29      | 29.16  | 16.37  | 37.61      | 47.60  | 29.64  | 65.37      | 78.71  | 53.52  |
| 2015 | 13.03                | 17.63  | 8.83   | 21.36      | 27.89  | 15.71  | 36.44      | 46.76  | 28.25  | 63.63      | 77.69  | 51.98  |
| 2016 | 13.00                | 17.54  | 8.86   | 21.55      | 28.60  | 15.45  | 36.44      | 46.75  | 28.27  | 66.04      | 80.60  | 54.67  |
| 2017 | 12.56                | 17.25  | 8.29   | 20.97      | 27.57  | 15.26  | 35.23      | 45.17  | 27.33  | 61.81      | 75.97  | 51.22  |
| Year | 85-89                |        |        | 90-94      |        |        | 95-99      |        |        | 100+       |        |        |
|      | Both sexes           | Male   | Female | Both sexes | Male   | Female | Both sexes | Male   | Female | Both sexes | Male   | Female |
| 1951 | -                    |        |        |            |        |        |            |        |        |            |        |        |
| 1971 | 239.66 278.53 225.17 |        |        |            |        |        |            |        |        |            |        |        |
| 1981 | 197.77 220.30 186.64 |        |        |            |        |        |            |        |        |            |        |        |
| 1991 | 166.92 170.41 164.68 |        |        |            |        |        |            |        |        |            |        |        |
| 2001 | 127.12               | 133.90 | 121.28 | 190.08     | 189.88 | 190.21 | 244.90     | 212.52 | 266.46 | 166.67     | 92.59  | 218.95 |
| 2008 | 112.12               | 122.33 | 102.67 | 179.14     | 181.36 | 177.44 | 245.37     | 209.49 | 272.52 | 201.88     | 135.33 | 269.76 |
| 2009 | 109.84               | 119.16 | 101.15 | 168.90     | 172.70 | 165.93 | 231.05     | 206.05 | 249.96 | 201.34     | 140.46 | 260.43 |
| 2010 | 109.58               | 119.86 | 99.81  | 171.48     | 175.96 | 167.91 | 239.46     | 216.84 | 256.56 | 225.68     | 144.99 | 303.15 |
| 2011 | 110.83               | 121.63 | 100.35 | 177.90     | 185.84 | 171.48 | 246.85     | 228.83 | 260.64 | 259.17     | 198.64 | 316.27 |
| 2012 | 108.63               | 120.20 | 97.30  | 175.29     | 181.34 | 170.34 | 257.79     | 248.49 | 264.80 | 256.12     | 213.49 | 297.75 |
| 2013 | 107.13               | 120.80 | 93.71  | 167.09     | 174.31 | 161.10 | 251.54     | 241.65 | 258.84 | 246.78     | 190.93 | 303.25 |
| 2014 | 110.25               | 124.23 | 96.67  | 175.58     | 186.71 | 166.32 | 253.85     | 249.92 | 256.79 | 312.41     | 284.32 | 339.64 |
| 2015 | 106.43               | 118.89 | 94.58  | 170.44     | 184.36 | 158.70 | 253.78     | 255.65 | 252.36 | 317.72     | 301.31 | 332.70 |
| 2016 | 111.05               | 126.44 | 96.90  | 176.09     | 187.88 | 166.04 | 265.62     | 267.12 | 264.49 | 325.40     | 307.10 | 341.24 |
| 2017 | 108.50               | 123.57 | 95.31  | 177.59     | 189.97 | 167.00 | 259.63     | 259.71 | 259.56 | 320.30     | 266.07 | 365.99 |

## MANPOWER

Table 7. Indicators of labor force status

1,000 Persons

| Year      | Total population | Civilian population aged 15 years & over | As a % of total population (%) | Labor force |       |        |                                |                                     | Employed |       |
|-----------|------------------|------------------------------------------|--------------------------------|-------------|-------|--------|--------------------------------|-------------------------------------|----------|-------|
|           |                  |                                          |                                | Numbers     |       |        | As a % of total population (%) | Labor force participation rates (%) | Numbers  |       |
|           |                  |                                          |                                | Total       | Male  | Female |                                |                                     | Total    | Male  |
| Ave. 1952 | 8 325            | 4 485                                    | 53.9                           | 3 030       | ...   | ...    | 36.4                           | 67.6                                | 2 893    | ...   |
| Ave. 1971 | 14 848           | 8 444                                    | 56.9                           | 4 819       | ...   | ...    | 32.5                           | 57.1                                | 4 738    | ...   |
| Ave. 1981 | 17 974           | 11 698                                   | 65.1                           | 6 764       | 4 503 | 2 261  | 37.6                           | 57.8                                | 6 672    | 4 448 |
| Ave. 1991 | 20 456           | 14 496                                   | 70.9                           | 8 569       | 5 355 | 3 214  | 41.9                           | 59.1                                | 8 439    | 5 274 |
| Ave. 2001 | 22 281           | 17 179                                   | 77.1                           | 9 832       | 5 855 | 3 977  | 44.1                           | 57.2                                | 9 383    | 5 553 |
| Ave. 2008 | 22 905           | 18 623                                   | 81.3                           | 10 853      | 6 173 | 4 680  | 47.4                           | 58.3                                | 10 403   | 5 902 |
| Ave. 2009 | 22 977           | 18 855                                   | 82.1                           | 10 917      | 6 180 | 4 737  | 47.5                           | 57.9                                | 10 279   | 5 776 |
| Ave. 2010 | 23 036           | 19 062                                   | 82.8                           | 11 070      | 6 242 | 4 828  | 48.1                           | 58.1                                | 10 493   | 5 880 |
| Ave. 2011 | 23 077           | 19 253                                   | 83.4                           | 11 200      | 6 304 | 4 896  | 48.5                           | 58.2                                | 10 709   | 6 006 |
| Ave. 2012 | 23 148           | 19 436                                   | 84.0                           | 11 341      | 6 369 | 4 972  | 49.0                           | 58.4                                | 10 860   | 6 083 |
| Ave. 2013 | 23 218           | 19 587                                   | 84.4                           | 11 445      | 6 402 | 5 043  | 49.3                           | 58.4                                | 10 967   | 6 116 |
| Ave. 2014 | 23 262           | 19 705                                   | 84.7                           | 11 535      | 6 441 | 5 094  | 49.6                           | 58.5                                | 11 079   | 6 166 |
| Ave. 2015 | 23 319           | 19 842                                   | 85.1                           | 11 638      | 6 497 | 5 141  | 49.9                           | 58.7                                | 11 198   | 6 234 |
| Ave. 2016 | 23 364           | 19 962                                   | 85.4                           | 11 727      | 6 541 | 5 186  | 50.2                           | 58.8                                | 11 267   | 6 267 |
| Ave. 2017 | 23 404           | 20 049                                   | 85.7                           | 11 795      | 6 568 | 5 227  | 50.4                           | 58.8                                | 11 352   | 6 305 |

**Note:** Data do not include Kinmen County and Lienchiang County.**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 7. Indicators of labor force status (continued)**

1,000 Persons

| Year      | Employed |                                |                                                        |                           |                                  | Unemployed |        |                        | Not in labor force |       |
|-----------|----------|--------------------------------|--------------------------------------------------------|---------------------------|----------------------------------|------------|--------|------------------------|--------------------|-------|
|           | Numbers  | As a % of total population (%) | As a % of civilian population aged 15 years & over (%) | As a % of labor force (%) | Employment index (Ave. 2011=100) |            |        | Unemployment rates (%) |                    |       |
|           | Female   |                                |                                                        |                           |                                  | Numbers    | Female |                        |                    |       |
| Ave. 1952 | ...      | 34.8                           | 64.5                                                   | 95.5                      | ...                              | 137        | ...    | 4.5                    | 1 455              | ...   |
| Ave. 1971 | ...      | 31.9                           | 56.1                                                   | 98.3                      | ...                              | 80         | ...    | 1.7                    | 3 625              | ...   |
| Ave. 1981 | 2 224    | 37.1                           | 57.0                                                   | 98.6                      | 62.3                             | 92         | 37     | 1.4                    | 4 934              | 3 572 |
| Ave. 1991 | 3 165    | 41.3                           | 58.2                                                   | 98.5                      | 78.8                             | 130        | 49     | 1.5                    | 5 927              | 4 026 |
| Ave. 2001 | 3 830    | 42.1                           | 54.6                                                   | 95.4                      | 87.6                             | 450        | 148    | 4.6                    | 7 347              | 4 651 |
| Ave. 2008 | 4 501    | 45.4                           | 55.9                                                   | 95.9                      | 97.1                             | 450        | 179    | 4.1                    | 7 770              | 4 742 |
| Ave. 2009 | 4 502    | 44.7                           | 54.5                                                   | 94.2                      | 96.0                             | 639        | 235    | 5.9                    | 7 937              | 4 810 |
| Ave. 2010 | 4 613    | 45.6                           | 55.1                                                   | 94.8                      | 98.0                             | 577        | 215    | 5.2                    | 7 992              | 4 849 |
| Ave. 2011 | 4 702    | 46.4                           | 55.6                                                   | 95.6                      | 100.0                            | 491        | 194    | 4.4                    | 8 053              | 4 901 |
| Ave. 2012 | 4 777    | 46.9                           | 55.9                                                   | 95.8                      | 101.4                            | 481        | 195    | 4.2                    | 8 096              | 4 934 |
| Ave. 2013 | 4 851    | 47.2                           | 56.0                                                   | 95.8                      | 102.4                            | 478        | 192    | 4.2                    | 8 142              | 4 951 |
| Ave. 2014 | 4 913    | 47.6                           | 56.2                                                   | 96.0                      | 103.5                            | 457        | 182    | 4.0                    | 8 170              | 4 966 |
| Ave. 2015 | 4 964    | 48.0                           | 56.4                                                   | 96.2                      | 104.6                            | 440        | 177    | 3.8                    | 8 204              | 4 991 |
| Ave. 2016 | 5 000    | 48.2                           | 56.4                                                   | 96.1                      | 105.2                            | 460        | 185    | 3.9                    | 8 235              | 5 022 |
| Ave. 2017 | 5 047    | 48.5                           | 56.6                                                   | 96.2                      | 106.0                            | 443        | 180    | 3.8                    | 8 254              | 5 038 |

Table 8. Employed persons by industry

1,000 Persons

| Year      | Total  | Agriculture,<br>forestry,<br>fishing &<br>animal<br>husbandry | Goods-producing industries |                    |                                |                                                |                   | Services-providing industries  |                                                       |                                  |
|-----------|--------|---------------------------------------------------------------|----------------------------|--------------------|--------------------------------|------------------------------------------------|-------------------|--------------------------------|-------------------------------------------------------|----------------------------------|
|           |        |                                                               | Mining &<br>quarrying      | Manufactur-<br>ing | Electricity<br>& gas<br>supply | Water<br>supply &<br>remediation<br>activities | Construc-<br>tion | Wholesale<br>& retail<br>trade | Accommo-<br>dation &<br>food<br>service<br>activities | Transporta-<br>tion &<br>storage |
| Ave. 1978 | 6 231  | 1 553                                                         | 60                         | 1 916              | 25                             | ...                                            | 459               | 941                            | ...                                                   | 304                              |
| Ave. 1981 | 6 672  | 1 257                                                         | 54                         | 2 162              | 29                             | ...                                            | 583               | 1 106                          | ...                                                   | 342                              |
| Ave. 1991 | 8 439  | 1 093                                                         | 19                         | 2 598              | 37                             | ...                                            | 715               | 1 712                          | ...                                                   | 448                              |
| Ave. 2001 | 9 383  | 706                                                           | 10                         | 2 594              | 28                             | 54                                             | 745               | 1 679                          | 532                                                   | 421                              |
| Ave. 2006 | 10 111 | 554                                                           | 7                          | 2 777              | 28                             | 60                                             | 829               | 1 759                          | 665                                                   | 417                              |
| Ave. 2008 | 10 403 | 535                                                           | 6                          | 2 886              | 28                             | 71                                             | 842               | 1 770                          | 687                                                   | 414                              |
| Ave. 2009 | 10 279 | 543                                                           | 5                          | 2 790              | 29                             | 73                                             | 788               | 1 735                          | 693                                                   | 402                              |
| Ave. 2010 | 10 493 | 550                                                           | 4                          | 2 861              | 29                             | 78                                             | 797               | 1 747                          | 727                                                   | 404                              |
| Ave. 2011 | 10 709 | 542                                                           | 4                          | 2 949              | 29                             | 79                                             | 831               | 1 763                          | 728                                                   | 411                              |
| Ave. 2012 | 10 860 | 544                                                           | 4                          | 2 975              | 29                             | 82                                             | 845               | 1 800                          | 750                                                   | 414                              |
| Ave. 2013 | 10 967 | 544                                                           | 4                          | 2 988              | 29                             | 84                                             | 861               | 1 817                          | 775                                                   | 425                              |
| Ave. 2014 | 11 079 | 548                                                           | 4                          | 3 007              | 29                             | 82                                             | 881               | 1 825                          | 792                                                   | 433                              |
| Ave. 2015 | 11 198 | 555                                                           | 4                          | 3 024              | 30                             | 82                                             | 895               | 1 842                          | 813                                                   | 437                              |
| Ave. 2016 | 11 267 | 557                                                           | 4                          | 3 028              | 30                             | 82                                             | 899               | 1 853                          | 826                                                   | 440                              |
| Ave. 2017 | 11 352 | 557                                                           | 4                          | 3 045              | 30                             | 82                                             | 901               | 1 875                          | 832                                                   | 443                              |

**Note:** 1. Data do not include Kinmen County and Lienchiang County.

2. The data in the table are based on the tenth revised Standard Industrial Classification System from 2017.

**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 8. Employed persons by industry (continued)**

1,000 Persons

| Year      | Services-providing industries |                                  |                        |                                                 |                            |                                                             |           |                                       |                                  |        |
|-----------|-------------------------------|----------------------------------|------------------------|-------------------------------------------------|----------------------------|-------------------------------------------------------------|-----------|---------------------------------------|----------------------------------|--------|
|           | Information & communication   | Financial & insurance activities | Real estate activities | Professional, scientific & technical activities | Support service activities | Public administration & defence; compulsory social security | Education | Human health & social work activities | Arts, entertainment & recreation | Others |
| Ave. 1978 | ...                           | 73                               | ...                    | ...                                             | ...                        | 210                                                         | ...       | ...                                   | ...                              | 692    |
| Ave. 1981 | ...                           | 95                               | ...                    | ...                                             | ...                        | 238                                                         | ...       | ...                                   | ...                              | 806    |
| Ave. 1991 | ...                           | 227                              | ...                    | ...                                             | ...                        | 294                                                         | ...       | ...                                   | ...                              | 1 297  |
| Ave. 2001 | 190                           | 373                              | 40                     | 202                                             | 153                        | 315                                                         | 484       | 268                                   | 93                               | 496    |
| Ave. 2006 | 209                           | 407                              | 66                     | 264                                             | 205                        | 334                                                         | 563       | 334                                   | 111                              | 524    |
| Ave. 2008 | 203                           | 411                              | 74                     | 317                                             | 231                        | 343                                                         | 605       | 355                                   | 98                               | 528    |
| Ave. 2009 | 207                           | 413                              | 68                     | 315                                             | 232                        | 382                                                         | 613       | 368                                   | 96                               | 527    |
| Ave. 2010 | 208                           | 428                              | 75                     | 325                                             | 236                        | 389                                                         | 619       | 386                                   | 98                               | 532    |
| Ave. 2011 | 218                           | 428                              | 87                     | 339                                             | 247                        | 388                                                         | 629       | 408                                   | 94                               | 536    |
| Ave. 2012 | 228                           | 426                              | 90                     | 342                                             | 260                        | 384                                                         | 630       | 420                                   | 95                               | 541    |
| Ave. 2013 | 234                           | 422                              | 92                     | 347                                             | 263                        | 383                                                         | 634       | 427                                   | 96                               | 541    |
| Ave. 2014 | 241                           | 416                              | 98                     | 354                                             | 273                        | 378                                                         | 645       | 432                                   | 95                               | 543    |
| Ave. 2015 | 246                           | 420                              | 100                    | 362                                             | 281                        | 375                                                         | 650       | 438                                   | 99                               | 546    |
| Ave. 2016 | 249                           | 424                              | 100                    | 368                                             | 286                        | 374                                                         | 652       | 444                                   | 103                              | 547    |
| Ave. 2017 | 253                           | 429                              | 103                    | 372                                             | 292                        | 373                                                         | 652       | 451                                   | 106                              | 551    |

Table 9. Unemployment rates by educational attainment and age

%

| Year      | Both sexes | Male | Female | Educational attainment |                    |                    |                   |                |            |                 |
|-----------|------------|------|--------|------------------------|--------------------|--------------------|-------------------|----------------|------------|-----------------|
|           |            |      |        | Primary school & below | Junior high school | Senior high school | Vocational school | Junior college | University | Graduate school |
| Ave. 1978 | 1.7        | 1.6  | 1.9    | 0.6                    | 2.3                | 3.7                | 3.7               | 3.7            | 2.5        |                 |
| Ave. 1981 | 1.4        | 1.2  | 1.7    | 0.5                    | 1.7                | 2.3                | 3.0               | 2.6            | 1.9        |                 |
| Ave. 1991 | 1.5        | 1.5  | 1.5    | 0.6                    | 1.6                | 2.1                | 2.2               | 2.2            | 1.8        |                 |
| Ave. 2001 | 4.6        | 3.4  | 2.4    | 3.6                    | 5.8                | 4.9                | 5.2               | 4.0            | 3.3        |                 |
| Ave. 2006 | 3.9        | 4.1  | 3.7    | 2.3                    | 3.9                | 4.1                | 4.4               | 3.6            | 4.4        |                 |
| Ave. 2008 | 4.1        | 4.4  | 3.8    | 2.7                    | 4.5                | 4.4                | 4.3               | 3.4            | 4.8        |                 |
| Ave. 2009 | 5.9        | 6.5  | 5.0    | 4.4                    | 6.8                | 6.1                | 6.2               | 5.0            | 6.0        |                 |
| Ave. 2010 | 5.2        | 5.8  | 4.5    | 3.3                    | 5.8                | 5.4                | 5.6               | 4.3            | 5.6        |                 |
| Ave. 2011 | 4.4        | 4.7  | 4.0    | 2.5                    | 4.4                | 4.8                | 4.6               | 3.4            | 5.8        | 3.0             |
| Ave. 2012 | 4.2        | 4.5  | 3.9    | 2.3                    | 4.3                | 4.4                | 4.2               | 3.2            | 5.9        | 3.5             |
| Ave. 2013 | 4.2        | 4.5  | 3.8    | 2.3                    | 4.3                | 4.3                | 4.1               | 3.1            | 5.8        | 3.3             |
| Ave. 2014 | 4.0        | 4.3  | 3.6    | 2.0                    | 3.9                | 3.8                | 3.8               | 3.1            | 5.6        | 3.0             |
| Ave. 2015 | 3.8        | 4.1  | 3.4    | 1.8                    | 3.3                | 3.8                | 3.8               | 2.8            | 5.3        | 2.9             |
| Ave. 2016 | 3.9        | 4.2  | 3.6    | 2.3                    | 3.5                | 4.0                | 3.9               | 2.9            | 5.4        | 3.0             |
| Ave. 2017 | 3.8        | 4.0  | 3.5    | 2.2                    | 3.3                | 3.9                | 3.7               | 2.8            | 5.2        | 2.8             |

**Note:** Data do not include Kinmen County and Lienchiang County.

**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan



**Table 9. Unemployment rates by educational attainment and age (continued)**

%

| Year      | Age   |       |       |       |       |       |       |       |       |       |     |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|           | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65+ |
| Ave. 1978 | 4.0   | 3.8   | 1.5   | 0.6   | 0.4   | 0.4   | 0.4   | 0.8   | 0.8   | 0.4   | 0.2 |
| Ave. 1981 | 3.7   | 3.5   | 1.1   | 0.5   | 0.4   | 0.4   | 0.3   | 0.4   | 0.4   | 0.2   | 0.0 |
| Ave. 1991 | 4.9   | 4.4   | 1.9   | 0.9   | 0.8   | 0.6   | 0.5   | 0.5   | 0.4   | 0.2   | 0.1 |
| Ave. 2001 | 13.6  | 9.6   | 5.5   | 4.2   | 3.7   | 3.4   | 3.3   | 3.1   | 2.4   | 1.3   | 0.1 |
| Ave. 2006 | 11.5  | 10.1  | 5.9   | 3.8   | 2.9   | 2.4   | 2.3   | 2.5   | 2.3   | 1.6   | 0.3 |
| Ave. 2008 | 11.4  | 11.9  | 6.4   | 3.9   | 3.0   | 2.6   | 2.8   | 2.6   | 2.3   | 1.4   | 0.2 |
| Ave. 2009 | 13.5  | 14.7  | 8.8   | 5.8   | 4.6   | 4.2   | 4.3   | 4.1   | 3.5   | 2.0   | 0.1 |
| Ave. 2010 | 10.9  | 13.5  | 8.2   | 5.2   | 4.1   | 3.8   | 3.9   | 3.5   | 3.1   | 1.5   | 0.2 |
| Ave. 2011 | 11.2  | 12.7  | 7.1   | 4.3   | 3.3   | 3.0   | 3.0   | 2.7   | 2.4   | 1.6   | 0.2 |
| Ave. 2012 | 9.8   | 13.2  | 7.1   | 4.3   | 3.4   | 2.8   | 2.6   | 2.4   | 2.1   | 1.7   | 0.2 |
| Ave. 2013 | 9.6   | 13.7  | 7.1   | 4.2   | 3.4   | 2.5   | 2.6   | 2.3   | 2.1   | 1.3   | 0.1 |
| Ave. 2014 | 8.8   | 13.2  | 6.8   | 4.0   | 3.3   | 2.6   | 2.4   | 2.1   | 2.0   | 1.2   | 0.1 |
| Ave. 2015 | 8.6   | 12.6  | 6.6   | 4.0   | 3.1   | 2.4   | 2.4   | 2.1   | 1.8   | 1.2   | 0.1 |
| Ave. 2016 | 8.9   | 12.6  | 6.8   | 3.8   | 3.4   | 2.7   | 2.5   | 2.1   | 1.9   | 1.6   | 0.2 |
| Ave. 2017 | 8.8   | 12.4  | 6.6   | 3.5   | 3.3   | 2.6   | 2.3   | 2.0   | 1.7   | 1.7   | 0.1 |

**Table 10. Average monthly earnings of employees on payrolls of establishments by industry**

NT\$

| Year      | Industry & services      |                                         |                             | Industry                         |                        |                                                 |                            |                                       |                         | Services                         |                          |
|-----------|--------------------------|-----------------------------------------|-----------------------------|----------------------------------|------------------------|-------------------------------------------------|----------------------------|---------------------------------------|-------------------------|----------------------------------|--------------------------|
|           | Average                  | Male                                    | Female                      | Average                          | Mining & quarrying     | Manufacturing                                   | Electricity & gas supply   | Water supply & remediation activities | Construction            | Average                          | Wholesale & retail trade |
| Ave. 1973 | ...                      | ...                                     | ...                         | 2 254                            | 2 964                  | 2 179                                           | 4 331                      | ...                                   | 2 558                   | ...                              | ...                      |
| Ave. 1981 | 10 677                   | 12 550                                  | 8 051                       | 9 914                            | 14 751                 | 9 555                                           | 19 157                     | 10 800                                | 10 764                  | 12 186                           | 11 488                   |
| Ave. 1991 | 26 881                   | 31 444                                  | 20 811                      | 25 359                           | 28 671                 | 24 426                                          | 58 395                     | 29 915                                | 28 193                  | 29 052                           | 26 435                   |
| Ave. 2001 | 41 960                   | 47 010                                  | 35 620                      | 39 005                           | 44 069                 | 38 412                                          | 97 399                     | 46 002                                | 37 746                  | 44 818                           | 39 775                   |
| Ave. 2006 | 43 488                   | 48 015                                  | 38 032                      | 42 507                           | 53 344                 | 42 393                                          | 97 230                     | 47 251                                | 39 168                  | 44 350                           | 39 380                   |
| Ave. 2008 | 44 367                   | 48 994                                  | 38 829                      | 43 236                           | 51 333                 | 43 121                                          | 89 432                     | 44 521                                | 40 754                  | 45 326                           | 39 956                   |
| Ave. 2009 | 42 182                   | 46 376                                  | 37 206                      | 40 005                           | 49 448                 | 39 125                                          | 96 285                     | 44 042                                | 40 870                  | 43 923                           | 40 081                   |
| Ave. 2010 | 44 359                   | 48 716                                  | 39 195                      | 42 754                           | 52 551                 | 42 300                                          | 96 523                     | 45 106                                | 41 598                  | 45 656                           | 41 766                   |
| Ave. 2011 | 45 508                   | 50 045                                  | 40 160                      | 43 746                           | 53 978                 | 43 316                                          | 95 382                     | 45 828                                | 42 716                  | 46 933                           | 42 562                   |
| Ave. 2012 | 45 589                   | 49 935                                  | 40 486                      | 44 011                           | 52 751                 | 43 689                                          | 92 869                     | 43 680                                | 42 683                  | 46 850                           | 41 822                   |
| Ave. 2013 | 45 664                   | 49 931                                  | 40 673                      | 44 076                           | 54 871                 | 43 829                                          | 88 873                     | 44 118                                | 42 540                  | 46 921                           | 42 274                   |
| Ave. 2014 | 47 300                   | 51 464                                  | 42 481                      | 45 378                           | 54 579                 | 45 207                                          | 94 022                     | 44 814                                | 43 251                  | 48 815                           | 44 422                   |
| Ave. 2015 | 48 490                   | 52 653                                  | 43 709                      | 46 735                           | 53 886                 | 46 781                                          | 96 444                     | 44 183                                | 43 346                  | 49 861                           | 45 488                   |
| Ave. 2016 | 48 790                   | 52 824                                  | 44 168                      | 47 035                           | 52 398                 | 47 258                                          | 94 292                     | 42 843                                | 42 839                  | 50 146                           | 45 429                   |
| Ave. 2017 | 49 989                   | 54 066                                  | 45 333                      | 48 187                           | 56 302                 | 48 660                                          | 94 551                     | 43 744                                | 42 506                  | 51 374                           | 47 368                   |
| Year      | Services                 |                                         |                             |                                  |                        |                                                 |                            |                                       |                         |                                  |                          |
|           | Transportation & storage | Accommodation & food service activities | Information & communication | Financial & insurance activities | Real estate activities | Professional, scientific & technical activities | Support service activities | Education                             | Human health activities | Arts, entertainment & recreation | Others                   |
| Ave. 1973 | 3 163                    | ...                                     | ...                         | ...                              | ...                    | ...                                             | ...                        | ...                                   | ...                     | ...                              | ...                      |
| Ave. 1981 | 12 696                   | 8 501                                   | 15 999                      | 17 467                           | 18 724                 | 12 463                                          | 11 401                     | ...                                   | 14 502                  | 10 033                           | 8 462                    |
| Ave. 1991 | 29 897                   | 17 049                                  | 41 579                      | 41 031                           | 39 214                 | 33 695                                          | 23 702                     | ...                                   | 32 366                  | 18 235                           | 18 631                   |
| Ave. 2001 | 48 017                   | 25 973                                  | 62 100                      | 62 657                           | 42 277                 | 49 227                                          | 35 579                     | ...                                   | 54 484                  | 28 338                           | 29 927                   |
| Ave. 2006 | 48 338                   | 24 960                                  | 61 134                      | 69 054                           | 38 313                 | 51 740                                          | 32 622                     | ...                                   | 55 429                  | 31 303                           | 30 203                   |
| Ave. 2008 | 49 540                   | 26 699                                  | 63 777                      | 71 528                           | 40 324                 | 54 542                                          | 32 977                     | ...                                   | 58 134                  | 31 930                           | 29 314                   |
| Ave. 2009 | 47 835                   | 27 106                                  | 61 888                      | 67 724                           | 38 680                 | 49 983                                          | 31 578                     | 22 197                                | 57 857                  | 31 242                           | 29 738                   |
| Ave. 2010 | 48 902                   | 27 788                                  | 64 266                      | 74 242                           | 41 018                 | 52 995                                          | 32 318                     | 22 459                                | 57 897                  | 32 687                           | 30 832                   |
| Ave. 2011 | 50 186                   | 29 715                                  | 66 291                      | 76 951                           | 41 958                 | 55 322                                          | 33 009                     | 22 416                                | 59 900                  | 33 236                           | 32 526                   |
| Ave. 2012 | 50 196                   | 30 107                                  | 67 008                      | 77 989                           | 39 588                 | 56 479                                          | 33 635                     | 22 769                                | 60 263                  | 35 458                           | 32 728                   |
| Ave. 2013 | 49 808                   | 30 504                                  | 65 545                      | 77 871                           | 40 298                 | 55 507                                          | 33 850                     | 22 922                                | 59 910                  | 36 072                           | 33 313                   |
| Ave. 2014 | 50 028                   | 31 747                                  | 66 316                      | 83 092                           | 42 914                 | 57 414                                          | 34 909                     | 24 224                                | 61 300                  | 35 829                           | 35 086                   |
| Ave. 2015 | 51 219                   | 32 596                                  | 66 453                      | 84 696                           | 42 351                 | 58 252                                          | 35 671                     | 24 302                                | 64 103                  | 36 185                           | 34 526                   |
| Ave. 2016 | 52 132                   | 32 622                                  | 67 709                      | 85 417                           | 41 339                 | 58 708                                          | 36 023                     | 24 873                                | 65 239                  | 36 807                           | 34 145                   |
| Ave. 2017 | 52 867                   | 33 527                                  | 69 022                      | 86 294                           | 43 342                 | 59 926                                          | 36 375                     | 25 288                                | 65 681                  | 37 486                           | 34 525                   |

**Note:** 1. Data do not include Kinmen County and Lienchiang County.

2. The data in the table are based on the 9th revised Standard Industrial Classification System from 2013.

**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan

## **EDUCATION, SCIENCE AND TECHNOLOGY, CULTURE AND MASS COMMUNICATION**

Table 11. Educational situation

| School Year | No. of schools (Schools) | No. of teachers (Persons) |         |         | No. of students (Persons) |           |           | No. of schools per 1,000Sq. Km (Schools) | No. of students per teacher (Persons) | No. of students per 1,000 population (Persons) | Educational expenditure per student (NT\$) |
|-------------|--------------------------|---------------------------|---------|---------|---------------------------|-----------|-----------|------------------------------------------|---------------------------------------|------------------------------------------------|--------------------------------------------|
|             |                          | Total                     | Male    | Female  | Total                     | Male      | Female    |                                          |                                       |                                                |                                            |
| 1961        | 3 095                    | 71 098                    | 47 977  | 23 121  | 2 540 665                 | 1 407 586 | 1 133 079 | 86.06                                    | 35.73                                 | 226.64                                         | 704                                        |
| 1971        | 4 115                    | 126 454                   | 77 009  | 49 445  | 4 130 691                 | 2 239 648 | 1 891 043 | 113.80                                   | 32.67                                 | 274.04                                         | 2 815                                      |
| 1981        | 5 241                    | 170 347                   | 87 733  | 82 614  | 4 641 975                 | 2 402 005 | 2 239 970 | 144.86                                   | 27.25                                 | 255.14                                         | 20 395                                     |
| 1991        | 6 787                    | 219 788                   | 97 702  | 122 086 | 5 323 715                 | 2 709 473 | 2 614 242 | 187.58                                   | 24.22                                 | 258.36                                         | 56 533                                     |
| 2001        | 8 158                    | 271 625                   | 105 326 | 166 299 | 5 354 091                 | 2 732 602 | 2 621 489 | 225.43                                   | 19.71                                 | 238.96                                         | 113 255                                    |
| 2008        | 8 097                    | 275 308                   | 105 492 | 169 816 | 5 165 817                 | 2 676 310 | 2 489 507 | 223.76                                   | 18.76                                 | 224.24                                         | 144 820                                    |
| 2009        | 8 060                    | 274 007                   | 104 925 | 169 082 | 5 065 962                 | 2 624 080 | 2 441 882 | 222.72                                   | 18.49                                 | 219.12                                         | 152 086                                    |
| 2010        | 8 196                    | 273 189                   | 104 732 | 168 457 | 4 965 690                 | 2 571 212 | 2 394 478 | 226.48                                   | 18.18                                 | 214.39                                         | 156 042                                    |
| 2011        | 8 100                    | 271 523                   | 103 360 | 168 163 | 4 860 022                 | 2 515 663 | 2 344 359 | 223.82                                   | 17.90                                 | 209.26                                         | 166 410                                    |
| 2012        | 11 496                   | 301 911                   | 103 282 | 198 629 | 5 007 275                 | 2 594 024 | 2 413 251 | 317.66                                   | 16.59                                 | 214.76                                         | 166 280                                    |
| 2013        | 11 426                   | 303 113                   | 103 000 | 200 113 | 4 859 558                 | 2 512 750 | 2 346 808 | 315.72                                   | 16.03                                 | 207.91                                         | 172 560                                    |
| 2014        | 11 078                   | 303 078                   | 102 086 | 200 992 | 4 729 465                 | 2 441 816 | 2 287 649 | 306.11                                   | 15.60                                 | 201.82                                         | 180 136                                    |
| 2015        | 10 948                   | 299 917                   | 100 142 | 199 775 | 4 616 078                 | 2 380 564 | 2 235 514 | 302.48                                   | 15.39                                 | 196.50                                         | 187 801                                    |
| 2016        | 10 882                   | 294 911                   | 97 749  | 197 162 | 4 504 363                 | 2 318 647 | 2 185 716 | 300.66                                   | 15.27                                 | 191.35                                         | 194 644                                    |
| 2017        | 10 884                   | 293 538                   | 95 933  | 197 605 | 4 403 701                 | 2 265 265 | 2 138 436 | 300.71                                   | 15.00                                 | 186.83                                         | ...                                        |

Source: Ministry of Education

**Table 12. Expenditure situation on education****I . Educational expenditure**

| Fiscal Year | Total educational expenditure |                   |         |      | Government's educational expenditure |                      |                            |
|-------------|-------------------------------|-------------------|---------|------|--------------------------------------|----------------------|----------------------------|
|             | Amount<br>(Thousand NT\$)     | As a % of GNI (%) |         |      | Amount<br>(Thousand NT\$)            | Per capita<br>(NT\$) | As a % of gov. exp.<br>(%) |
|             |                               | Public            | Private |      |                                      |                      |                            |
| 1951        | 213 082                       | 1.69              | 1.69    | ...  | 213 082                              | 28                   | 9.93                       |
| 1971        | 11 236 766                    | 4.49              | 3.62    | 0.87 | 9 065 121                            | 614                  | 16.51                      |
| 1981        | 74 112 578                    | 4.44              | 3.61    | 0.83 | 60 262 157                           | 3 312                | 14.71                      |
| 1991        | 300 965 051                   | 6.20              | 5.09    | 1.10 | 247 488 080                          | 12 011               | 17.77                      |
| 2001        | 590 444 164                   | 5.70              | 4.25    | 1.46 | 406 886 944                          | 18 160               | 17.91                      |
| 2008        | 730 759 895                   | 5.43              | 3.97    | 1.46 | 481 068 268                          | 20 882               | 20.53                      |
| 2009        | 778 262 118                   | 5.82              | 4.45    | 1.37 | 532 325 154                          | 23 025               | 19.93                      |
| 2010        | 765 283 147                   | 5.26              | 4.02    | 1.24 | 516 804 324                          | 22 312               | 20.13                      |
| 2011        | 784 518 065                   | 5.34              | 4.11    | 1.23 | 537 799 401                          | 23 156               | 20.58                      |
| 2012        | 817 856 782                   | 5.40              | 4.11    | 1.29 | 548 815 737                          | 23 538               | 20.49                      |
| 2013        | 832 633 478                   | 5.32              | 3.97    | 1.35 | 553 419 602                          | 23 677               | 20.76                      |
| 2014        | 843 744 692                   | 5.09              | 3.81    | 1.28 | 564 144 138                          | 24 074               | 21.32                      |
| 2015        | 857 243 727                   | 4.95              | 3.72    | 1.24 | 575 286 556                          | 24 489               | 21.75                      |
| 2016        | 873 999 538                   | 4.94              | 3.72    | 1.23 | 590 263 123                          | 25 075               | 21.50                      |
| 2017        | 880 470 306                   | 4.92              | 3.70    | 1.22 | 594 071 701                          | 25 203               | 20.92                      |

**Note:** 1. From FY 2000, the government's educational expenditure to public sector was calculated in accordance with the scope of "The Compilation and Administration of Education Expenditures Act" definition.

2. The private sector is only private school.

3. The data of GNI and GDP were announced by DGBAS in August, 2018, and it is the same in Table 18.

4. Public sector expenditure on education includes government's educational expenditure and self-financing.

**Source:** Ministry of Education

**Table 12. Expenditure situation on education (continued)**  
II. Total educational expenditure and composition at all levels of schools

Thousand NT\$

| School Year | Kindergarten (1) |                              | Primary and jr. high school |                              | Senior secondary school |                              |                              |                              |
|-------------|------------------|------------------------------|-----------------------------|------------------------------|-------------------------|------------------------------|------------------------------|------------------------------|
|             | Amount           | As a % of total ed. exp. (%) | Amount                      | As a % of total ed. exp. (%) | Amount                  |                              | As a % of total ed. exp. (%) |                              |
|             |                  |                              |                             |                              | Sr. high school         | Vocational school            | Sr. high school              | Vocational school            |
| 1971        | 130 308          | 1.22                         | 5 597 317                   | 52.30                        | 1 271 932               | 1 127 694                    | 11.89                        | 10.54                        |
| 1981        | 1 638 797        | 2.12                         | 38 348 249                  | 49.57                        | 7 588 738               | 8 642 887                    | 9.81                         | 11.17                        |
| 1991        | 8 938 441        | 3.18                         | 134 930 938                 | 47.95                        | 24 176 059              | 27 932 875                   | 8.59                         | 9.93                         |
| 2001        | 16 392 865       | 3.15                         | 234 848 594                 | 45.18                        | 54 833 510              | 32 114 076                   | 10.55                        | 6.18                         |
| 2006        | 16 840 356       | 2.78                         | 263 846 425                 | 43.50                        | 63 029 864              | 30 858 354                   | 10.39                        | 5.09                         |
| 2007        | 18 167 852       | 2.90                         | 264 900 984                 | 42.35                        | 67 205 046              | 32 639 460                   | 10.75                        | 5.22                         |
| 2008        | 18 794 714       | 3.05                         | 266 595 313                 | 43.24                        | 66 623 260              | 34 400 712                   | 10.81                        | 5.58                         |
| 2009        | 20 492 347       | 3.30                         | 265 932 749                 | 42.85                        | 68 636 695              | 34 677 263                   | 11.06                        | 5.59                         |
| 2010        | 22 410 725       | 3.58                         | 270 759 569                 | 43.26                        | 68 105 694              | 34 447 731                   | 10.88                        | 5.50                         |
| 2011        | 35 716 015       | 5.32                         | 289 288 021                 | 43.08                        | 70 880 551              | 33 560 846                   | 10.56                        | 5.00                         |
| 2012        | 51 423 609       | 7.23                         | 302 103 382                 | 42.47                        | 72 498 167              | 33 977 710                   | 10.19                        | 4.78                         |
| 2013        | 52 650 876       | 7.44                         | 302 449 368                 | 42.72                        | 106 711 092             |                              | 15.07                        |                              |
| 2014        | 53 759 987       | 7.57                         | 302 419 974                 | 42.60                        | 106 365 069             |                              | 14.98                        |                              |
| 2015        | 57 062 249       | 7.92                         | 304 021 318                 | 42.22                        | 109 065 920             |                              | 15.15                        |                              |
| 2016        | 61 171 485       | 8.44                         | 303 639 245                 | 41.89                        | 109 779 660             |                              | 15.15                        |                              |
| School Year | Junior college   |                              | University & college        |                              | Supplementary school    |                              | Special ed. school           |                              |
|             | Amount           | As a % of total ed. exp. (%) | Amount                      | As a % of total ed. exp. (%) | Amount                  | As a % of total ed. exp. (%) | Amount                       | As a % of total ed. exp. (%) |
| 1971        | -                | -                            | 2 574 330                   | 24.06                        | -                       | -                            | -                            | -                            |
| 1981        | 7 912 238        | 10.23                        | 13 233 316                  | 17.11                        | -                       | -                            | -                            | -                            |
| 1991        | 24 610 075       | 8.75                         | 59 457 368                  | 21.13                        | -                       | -                            | 1 342 372                    | 0.48                         |
| 2001        | 9 713 177        | 1.87                         | 168 698 089                 | 32.45                        | 175 137                 | 0.03                         | 3 030 678                    | 0.58                         |
| 2006        | 4 065 979        | 0.67                         | 224 197 996                 | 36.96                        | 203 285                 | 0.03                         | 3 520 638                    | 0.58                         |
| 2007        | 4 919 764        | 0.79                         | 233 620 034                 | 37.35                        | 205 101                 | 0.03                         | 3 791 200                    | 0.61                         |
| 2008        | 4 096 206        | 0.66                         | 221 847 878                 | 35.98                        | 223 994                 | 0.04                         | 3 936 601                    | 0.64                         |
| 2009        | 4 199 929        | 0.68                         | 222 516 267                 | 35.86                        | 228 316                 | 0.04                         | 3 880 696                    | 0.63                         |
| 2010        | 4 430 076        | 0.71                         | 221 480 012                 | 35.39                        | 298 630                 | 0.05                         | 3 973 171                    | 0.63                         |
| 2011        | 5 719 453        | 0.85                         | 232 111 633                 | 34.57                        | 212 960                 | 0.03                         | 3 991 822                    | 0.59                         |
| 2012        | 5 534 968        | 0.78                         | 241 560 285                 | 33.96                        | 199 337                 | 0.03                         | 4 000 443                    | 0.56                         |
| 2013        | 5 238 632        | 0.74                         | 236 641 558                 | 33.42                        | 199 747                 | 0.03                         | 4 133 424                    | 0.58                         |
| 2014        | 5 361 641        | 0.76                         | 237 844 409                 | 33.50                        | -                       | -                            | 4 218 629                    | 0.59                         |
| 2015        | 5 580 545        | 0.78                         | 240 052 267                 | 33.34                        | -                       | -                            | 4 258 515                    | 0.59                         |
| 2016        | 5 655 651        | 0.78                         | 240 307 166                 | 33.16                        | -                       | -                            | 4 211 512                    | 0.58                         |

**Note:** The data of university and college include junior college in SY 1971.

(1) The kindergartens include the child-care from SY 2012.

**Table 13. Primary and junior high school****I . Primary school**

Persons

| School Year | No. of schools<br>(Schools) | No. of teachers |        | No. of staffs | No. of classes<br>(Classes) | No. of students |           | No. of graduates |         |
|-------------|-----------------------------|-----------------|--------|---------------|-----------------------------|-----------------|-----------|------------------|---------|
|             |                             |                 | Female |               |                             |                 | Female    |                  | Female  |
| 1946        | 1 130                       | 15 356          | 4 905  | ...           | 13 683                      | 823 400         | 337 997   | 97 051           | ...     |
| 1971        | 2 331                       | 60 576          | 26 429 | 1 378         | 49 300                      | 2 456 615       | 1 189 368 | 389 245          | ...     |
| 1981        | 2 444                       | 69 613          | 35 900 | 1 770         | 50 622                      | 2 213 179       | 1 075 582 | 375 965          | ...     |
| 1991        | 2 495                       | 84 304          | 50 886 | 3 510         | 56 009                      | 2 293 444       | 1 111 804 | 399 710          | 194 042 |
| 2001        | 2 611                       | 103 501         | 69 938 | 7 114         | 63 172                      | 1 925 491       | 920 991   | 326 223          | 155 865 |
| 2008        | 2 654                       | 100 206         | 68 655 | 7 489         | 60 630                      | 1 677 439       | 802 317   | 314 200          | 150 567 |
| 2009        | 2 658                       | 99 155          | 68 066 | 7 681         | 59 478                      | 1 593 398       | 761 409   | 288 408          | 138 235 |
| 2010        | 2 661                       | 99 562          | 68 703 | 7 925         | 58 652                      | 1 519 746       | 725 094   | 271 625          | 130 172 |
| 2011        | 2 659                       | 98 559          | 68 326 | 8 046         | 57 986                      | 1 457 004       | 694 988   | 285 628          | 136 258 |
| 2012        | 2 657                       | 97 466          | 67 840 | 8 322         | 56 391                      | 1 373 366       | 654 851   | 275 346          | 131 871 |
| 2013        | 2 650                       | 97 436          | 68 258 | 8 621         | 54 641                      | 1 297 120       | 618 346   | 242 831          | 115 974 |
| 2014        | 2 644                       | 98 580          | 69 497 | 8 805         | 53 541                      | 1 252 762       | 596 921   | 230 012          | 109 644 |
| 2015        | 2 633                       | 97 368          | 68 890 | 8 936         | 52 404                      | 1 214 360       | 579 158   | 214 785          | 101 779 |
| 2016        | 2 630                       | 95 081          | 67 407 | 8 985         | 51 097                      | 1 173 885       | 560 728   | 208 832          | 100 082 |
| 2017        | 2 630                       | 94 407          | 67 067 | 9 026         | 50 311                      | 1 146 679       | 548 133   | ...              | ...     |

**Note:** 1. The number of teachers include staffs in SY 1946.

2. Data do not include Kinmen County and Lienchiang County before SY 1956.

**Source:** Ministry of Education

**Table 13. Primary and junior high school (continued)**

## II . Junior high school

Persons

| School Year | No. of schools<br>(Schools) | No. of teachers |        | No. of staffs | No. of classes<br>(Classes) | No. of students |         | No. of graduates |         |
|-------------|-----------------------------|-----------------|--------|---------------|-----------------------------|-----------------|---------|------------------|---------|
|             |                             |                 | Female |               |                             |                 | Female  |                  | Female  |
| 1968        | 487                         | 18 587          | ...    | 3 704         | 11 459                      | 617 225         | 241 816 | 147 140          | ...     |
| 1971        | 567                         | 30 239          | ...    | 4 912         | 16 345                      | 847 660         | 358 801 | 248 017          | ...     |
| 1981        | 658                         | 44 796          | ...    | 6 402         | 22 946                      | 1 070 942       | 510 674 | 342 117          | ...     |
| 1991        | 706                         | 52 495          | 30 372 | 6 657         | 26 843                      | 1 176 402       | 571 428 | 376 686          | 185 262 |
| 2001        | 708                         | 49 318          | 32 207 | 7 177         | 26 803                      | 935 738         | 450 298 | 300 235          | 144 958 |
| 2008        | 740                         | 51 777          | 35 084 | 6 554         | 28 124                      | 951 976         | 457 101 | 316 080          | 151 854 |
| 2009        | 740                         | 51 899          | 35 227 | 6 591         | 28 332                      | 948 534         | 455 423 | 315 798          | 152 279 |
| 2010        | 740                         | 51 965          | 35 383 | 6 593         | 28 146                      | 919 802         | 440 934 | 316 906          | 152 059 |
| 2011        | 742                         | 51 200          | 34 896 | 6 509         | 27 639                      | 873 226         | 418 411 | 309 159          | 148 878 |
| 2012        | 740                         | 51 872          | 35 398 | 6 480         | 27 468                      | 844 884         | 404 173 | 284 579          | 137 052 |
| 2013        | 738                         | 52 451          | 35 888 | 6 592         | 27 639                      | 831 925         | 397 958 | 267 798          | 128 825 |
| 2014        | 738                         | 52 154          | 35 776 | 6 717         | 27 251                      | 803 233         | 383 818 | 276 628          | 133 439 |
| 2015        | 733                         | 50 394          | 34 683 | 6 659         | 26 052                      | 747 724         | 357 251 | 265 886          | 129 065 |
| 2016        | 736                         | 48 063          | 33 141 | 6 645         | 24 637                      | 687 212         | 327 263 | 236 042          | 114 148 |
| 2017        | 732                         | 46 772          | 32 331 | 6 565         | 23 761                      | 653 273         | 311 308 | ...              | ...     |



**Table 14. Senior secondary schools**

Persons

| School Year | No. of schools<br>(Schools) |                      | No. of teachers    |                      | No. of staffs      |                      | No. of classes<br>(Classes) |                                      |                         |                                   |                         |
|-------------|-----------------------------|----------------------|--------------------|----------------------|--------------------|----------------------|-----------------------------|--------------------------------------|-------------------------|-----------------------------------|-------------------------|
|             | Sr. high<br>school          | Vocational<br>school | Sr. high<br>school | Vocational<br>school | Sr. high<br>school | Vocational<br>school | General<br>education        | Compre-<br>hensive<br>high<br>school | Vocational<br>education | Practical<br>technical<br>program | Continuing<br>education |
| 1946        | 132                         | 76                   | 1 914              | 1 314                | 859                | 764                  | ...                         |                                      | ...                     | ...                               | ...                     |
| 1971        | 199                         | 168                  | 10 476             | 8 212                | 2 933              | 3 081                | 4 122                       |                                      | 4 597                   | -                                 | 1 680                   |
| 1981        | 180                         | 196                  | 13 156             | 13 147               | 3 262              | 4 124                | 3 841                       |                                      | 8 064                   | -                                 | 3 871                   |
| 1991        | 177                         | 212                  | 16 711             | 18 000               | 3 599              | 5 045                | 4 472                       |                                      | 10 264                  | 588                               | 4 382                   |
| 2001        | 295                         | 178                  | 31 894             | 17 397               | 5 910              | 4 503                | 8 749                       |                                      | 9 203                   | 1 148                             | 3 113                   |
| 2008        | 321                         | 156                  | 34 759             | 16 470               | 6 476              | 4 046                | 10 211                      |                                      | 8 342                   | 1 191                             | 2 740                   |
| 2009        | 330                         | 156                  | 35 580             | 16 585               | 6 589              | 4 054                | 10 112                      |                                      | 8 512                   | 1 257                             | 2 665                   |
| 2010        | 335                         | 156                  | 36 257             | 16 906               | 6 668              | 4 073                | 10 082                      |                                      | 8 738                   | 1 289                             | 2 595                   |
| 2011        | 336                         | 155                  | 36 407             | 16 976               | 6 607              | 3 995                | 10 119                      |                                      | 8 847                   | 1 241                             | 2 515                   |
| 2012        | 340                         | 155                  | 37 159             | 17 166               | 6 635              | 4 040                | 10 110                      |                                      | 8 932                   | 1 182                             | 2 387                   |
| 2013        | 344                         | 155                  | 37 842             | 17 045               | 6 760              | 4 063                | 9 975                       |                                      | 8 881                   | 1 102                             | 2 248                   |
| 2014        | 503                         |                      | 55 699             |                      | 11 012             |                      | 8 156                       | 1 676                                | 8 810                   | 1 051                             | 2 092                   |
| 2015        | 506                         |                      | 55 340             |                      | 10 969             |                      | 8 233                       | 1 528                                | 8 760                   | 1 006                             | 1 923                   |
| 2016        | 506                         |                      | 54 575             |                      | 10 969             |                      | 8 343                       | 1 387                                | 8 761                   | 993                               | 1 788                   |
| 2017        | 511                         |                      | 53 943             |                      | 10 880             |                      | 8 352                       | 1 255                                | 8 605                   | 969                               | 1 650                   |

**Note:** 1. Data include Kinmen County and Lienchiang County from SY 1971.

2. Since the "Senior High School Education Act" was fulfilled in 2013, the types of the senior secondary schools are classified into General education, Vocational education, Comprehensive high school, Practical technical program, and Continuing education from SY 2014.

**Source:** Ministry of Education

**Table 14. Senior secondary schools (continued)**

| School Year | No. of students   |                           |                      |                             |                      | No. of graduates |                   |
|-------------|-------------------|---------------------------|----------------------|-----------------------------|----------------------|------------------|-------------------|
|             | General education | Comprehensive high school | Vocational education | Practical technical program | Continuing education | Sr. high school  | Vocational school |
| 1946        | ...               |                           | ...                  | ...                         | ...                  | 298              | 5 058             |
| 1971        | 190 798           |                           | 198 969              | -                           | 73 972               | 49 604           | 52 045            |
| 1981        | 182 391           |                           | 374 206              | -                           | 172 130              | 53 411           | 101 524           |
| 1991        | 218 061           |                           | 475 852              | 23 386                      | 186 619              | 61 720           | 134 917           |
| 2001        | 370 980           |                           | 377 731              | 39 750                      | 110 343              | 112 596          | 134 013           |
| 2008        | 406 316           |                           | 346 563              | 47 309                      | 98 376               | 131 669          | 103 064           |
| 2009        | 403 183           |                           | 354 608              | 51 166                      | 92 752               | 131 263          | 104 927           |
| 2010        | 400 642           |                           | 362 514              | 51 904                      | 87 494               | 128 967          | 109 837           |
| 2011        | 401 958           |                           | 366 449              | 48 018                      | 82 763               | 128 502          | 109 863           |
| 2012        | 402 689           |                           | 369 436              | 44 301                      | 74 698               | 128 831          | 111 933           |
| 2013        | 393 313           |                           | 360 206              | 40 530                      | 66 909               | 277 047          |                   |
| 2014        | 311 213           | 65 042                    | 345 937              | 37 741                      | 58 933               | 272 638          |                   |
| 2015        | 309 410           | 57 481                    | 337 354              | 35 696                      | 52 349               | 250 172          |                   |
| 2016        | 311 077           | 50 737                    | 332 184              | 34 794                      | 47 321               | 233 642          |                   |
| 2017        | 310 239           | 44 929                    | 315 649              | 33 038                      | 41 605               |                  | ...               |

**Table 15. Higher Education**  
I . Summary of universities, colleges and junior colleges

Persons

| School Year | No. of schools<br>(Schools) |         |                |    | No. of graduate<br>schools<br>(Schools) | No. of staffs |        |
|-------------|-----------------------------|---------|----------------|----|-----------------------------------------|---------------|--------|
|             | University                  | College | Junior college |    |                                         | Female        |        |
| 1946        | 4                           | 1       | 3              | -  | ...                                     | 906           | ...    |
| 1971        | 96                          | 9       | 14             | 73 | 110                                     | 6 558         | ...    |
| 1981        | 104                         | 16      | 11             | 77 | 232                                     | 9 185         | ...    |
| 1991        | 123                         | 21      | 29             | 73 | 446                                     | 9 796         | 5 588  |
| 2001        | 154                         | 57      | 78             | 19 | 1 668                                   | 15 595        | 10 364 |
| 2008        | 162                         | 102     | 45             | 15 | 3 283                                   | 23 041        | 15 875 |
| 2009        | 164                         | 105     | 44             | 15 | 3 360                                   | 23 794        | 16 437 |
| 2010        | 163                         | 112     | 36             | 15 | 3 362                                   | 27 249        | 19 051 |
| 2011        | 163                         | 116     | 32             | 15 | 3 326                                   | 29 779        | 21 050 |
| 2012        | 162                         | 120     | 28             | 14 | 3 355                                   | 30 400        | 21 504 |
| 2013        | 161                         | 122     | 25             | 14 | 3 384                                   | 30 617        | 21 761 |
| 2014        | 159                         | 124     | 21             | 14 | 3 417                                   | 30 694        | 21 861 |
| 2015        | 158                         | 126     | 19             | 13 | 3 466                                   | 30 656        | 21 925 |
| 2016        | 158                         | 126     | 19             | 13 | 3 528                                   | 31 088        | 22 243 |
| 2017        | 157                         | 129     | 15             | 13 | 3 600                                   | 31 510        | 22 584 |

| School Year | No. of<br>departments<br>(Departments) | No. of teachers<br>(Including<br>assistants )<br>(1) |        | No. of students |         | No. of graduates |         |
|-------------|----------------------------------------|------------------------------------------------------|--------|-----------------|---------|------------------|---------|
|             |                                        |                                                      | Female |                 | Female  |                  | Female  |
| 1946        | 59                                     | 616                                                  | ...    | 2 983           | 54      | 154              | ...     |
| 1971        | 943                                    | 11 471                                               | 2 586  | 222 505         | 82 074  | 40 756           | ...     |
| 1981        | 1 349                                  | 17 452                                               | 4 910  | 358 437         | 148 107 | 75 128           | ...     |
| 1991        | 1 759                                  | 29 444                                               | 9 208  | 612 376         | 282 989 | 144 354          | 69 561  |
| 2001        | 4 381                                  | 44 769                                               | 15 517 | 1 187 225       | 591 374 | 296 884          | 150 274 |
| 2008        | 5 325                                  | 51 501                                               | 17 685 | 1 337 455       | 654 341 | 317 162          | 159 976 |
| 2009        | 5 051                                  | 50 658                                               | 17 026 | 1 336 659       | 656 621 | 315 039          | 158 955 |
| 2010        | 5 005                                  | 50 684                                               | 17 229 | 1 343 603       | 662 549 | 313 211          | 159 106 |
| 2011        | 4 857                                  | 50 332                                               | 17 252 | 1 352 084       | 668 717 | 315 564          | 161 406 |
| 2012        | 4 837                                  | 50 158                                               | 17 401 | 1 355 290       | 671 844 | 309 333          | 157 412 |
| 2013        | 4 811                                  | 50 024                                               | 17 496 | 1 345 973       | 672 097 | 311 041          | 159 617 |
| 2014        | 4 689                                  | 49 357                                               | 17 379 | 1 339 849       | 673 721 | 309 849          | 161 023 |
| 2015        | 4 589                                  | 48 696                                               | 17 268 | 1 332 445       | 671 670 | 309 277          | 160 396 |
| 2016        | 4 627                                  | 48 096                                               | 17 138 | 1 309 441       | 662 575 | 304 649          | 159 225 |
| 2017        | 4 634                                  | 47 412                                               | 17 070 | 1 273 894       | 644 854 | ...              | ...     |

**Note:** (1) From SY 2009, the number of staffs include assistants appointed after March 21, 1997.

**Source:** Ministry of Education

**Table 15. Higher Education (continued)**

## II. Number of students by fields of study

Persons

| School Year & Types of Degree | Total                            | Education                                                | Arts                                      | Huma-<br>nities                         | Lan-<br>guages<br>& litera-<br>tures     | Social &<br>beha-<br>vioral<br>sciences      | Journa-<br>lism &<br>library<br>informa-<br>tion | Business<br>& admini-<br>stration | Law                                                   | Life<br>sciences      | Physical<br>sciences,<br>chemistry<br>& earth<br>sciences |
|-------------------------------|----------------------------------|----------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------------------|-----------------------------------|-------------------------------------------------------|-----------------------|-----------------------------------------------------------|
| 1981                          | 358 437                          | 17 287                                                   | 9 407                                     | 28 039                                  |                                          | 46 245                                       | 7 918                                            | 53 336                            | 4 626                                                 | ...                   | 11 586                                                    |
| 1991                          | 612 376                          | 26 511                                                   | 10 815                                    | 35 426                                  |                                          | 22 104                                       | 9 650                                            | 131 272                           | 6 907                                                 | ...                   | 16 428                                                    |
| 1996                          | 795 547                          | 33 042                                                   | 13 784                                    | 47 249                                  |                                          | 25 927                                       | 10 716                                           | 179 080                           | 8 348                                                 | ...                   | 18 862                                                    |
| 2001                          | 1 187 225                        | 46 141                                                   | 36 115                                    | 94 594                                  |                                          | 37 278                                       | 17 147                                           | 267 130                           | 12 203                                                | 8 124                 | 18 091                                                    |
| 2006                          | 1 313 993                        | 44 185                                                   | 53 737                                    | 117 436                                 |                                          | 46 662                                       | 25 302                                           | 258 072                           | 19 160                                                | 21 054                | 22 135                                                    |
| 2008                          | 1 337 455                        | 43 179                                                   | 64 852                                    | 117 032                                 |                                          | 49 720                                       | 26 233                                           | 249 136                           | 20 487                                                | 23 754                | 23 199                                                    |
| 2009                          | 1 336 659                        | 41 936                                                   | 70 653                                    | 117 050                                 |                                          | 49 636                                       | 27 029                                           | 242 095                           | 20 389                                                | 23 644                | 23 742                                                    |
| 2010                          | 1 343 603                        | 41 135                                                   | 75 825                                    | 116 298                                 |                                          | 49 794                                       | 26 973                                           | 240 085                           | 20 520                                                | 23 660                | 23 636                                                    |
| 2011                          | 1 352 084                        | 40 693                                                   | 81 923                                    | 116 266                                 |                                          | 49 227                                       | 27 018                                           | 239 452                           | 20 358                                                | 23 169                | 24 025                                                    |
| 2012                          | 1 355 290                        | 39 682                                                   | 88 142                                    | 114 857                                 |                                          | 48 907                                       | 26 467                                           | 238 671                           | 20 174                                                | 22 431                | 23 822                                                    |
| 2013                          | 1 345 973                        | 38 704                                                   | 93 258                                    | 113 426                                 |                                          | 48 507                                       | 26 086                                           | 234 781                           | 20 019                                                | 21 604                | 23 053                                                    |
| 2014                          | 1 339 849                        | 38 704                                                   | 96 873                                    | 112 284                                 |                                          | 48 462                                       | 26 364                                           | 231 665                           | 19 870                                                | 20 734                | 22 901                                                    |
| 2015                          | 1 332 445                        | 38 600                                                   | 99 627                                    | 110 703                                 |                                          | 48 623                                       | 26 763                                           | 228 196                           | 20 174                                                | 19 830                | 22 594                                                    |
| 2016                          | 1 309 441                        | 38 816                                                   | 99 985                                    | 107 749                                 |                                          | 48 064                                       | 26 389                                           | 222 007                           | 20 415                                                | 19 160                | 22 128                                                    |
| 2017                          | 1 273 894                        | 35 969                                                   | 105 409                                   | 15 281                                  | 90 660                                   | 39 980                                       | 19 354                                           | 220 619                           | 20 360                                                | 26 695                | 21 150                                                    |
| Ph.D. program                 | 28 346                           | 2 713                                                    | 998                                       | 799                                     | 1 481                                    | 1 487                                        | 126                                              | 2 992                             | 394                                                   | 1 671                 | 1 724                                                     |
| M. A. program                 | 168 783                          | 13 124                                                   | 11 210                                    | 3 265                                   | 7 358                                    | 10 356                                       | 2 209                                            | 31 599                            | 6 381                                                 | 3 987                 | 4 523                                                     |
| Univ. & college               | 985 927                          | 20 132                                                   | 88 731                                    | 11 217                                  | 75 913                                   | 28 137                                       | 17 019                                           | 179 221                           | 13 585                                                | 20 299                | 14 903                                                    |
| Total for Jr. college         | 90 838                           | -                                                        | 4 470                                     | -                                       | 5 908                                    | -                                            | -                                                | 6 807                             | -                                                     | 738                   | -                                                         |
| School Year & Types of Degree | Mathe-<br>matics &<br>statistics | Information<br>&<br>communica-<br>tion tech-<br>nologies | Engineering<br>&<br>engineering<br>trades | Manufac-<br>turing &<br>proce-<br>ssing | Architec-<br>ture &<br>construc-<br>tion | Agricul-<br>ture,<br>forestry &<br>fisheries | Medicine<br>& health                             | Social<br>welfare                 | Hospi-<br>tality,<br>tourism &<br>personal<br>service | Transport<br>services | Environ-<br>ment                                          |
| 1981                          | ...                              | 12 793                                                   | 115 208                                   |                                         | 3 874                                    | 10 453                                       | 28 077                                           | ...                               | ...                                                   | -                     | ...                                                       |
| 1991                          | ...                              | 27 608                                                   | 215 505                                   |                                         | 8 670                                    | 17 188                                       | 56 006                                           | ...                               | ...                                                   | 7 015                 | ...                                                       |
| 1996                          | ...                              | 50 773                                                   | 252 415                                   |                                         | 13 231                                   | 22 219                                       | 77 446                                           | ...                               | ...                                                   | 9 566                 | ...                                                       |
| 2001                          | 16 069                           | 76 235                                                   | 327 058                                   |                                         | 15 476                                   | 24 708                                       | 115 139                                          | 21 439                            | 43 363                                                | 8 304                 | 831                                                       |
| 2006                          | 16 429                           | 85 238                                                   | 320 656                                   |                                         | 14 766                                   | 23 693                                       | 119 791                                          | 36 014                            | 74 008                                                | 9 512                 | 3 730                                                     |
| 2008                          | 16 366                           | 78 734                                                   | 316 813                                   |                                         | 15 394                                   | 24 913                                       | 121 305                                          | 34 095                            | 94 142                                                | 9 618                 | 3 724                                                     |
| 2009                          | 16 122                           | 77 939                                                   | 308 426                                   |                                         | 15 223                                   | 25 655                                       | 122 347                                          | 33 124                            | 104 456                                               | 9 245                 | 3 286                                                     |
| 2010                          | 16 012                           | 77 378                                                   | 303 080                                   |                                         | 15 525                                   | 25 871                                       | 122 859                                          | 32 366                            | 115 966                                               | 9 088                 | 3 027                                                     |
| 2011                          | 15 910                           | 77 611                                                   | 295 319                                   |                                         | 15 631                                   | 26 446                                       | 122 639                                          | 31 134                            | 128 938                                               | 8 921                 | 3 239                                                     |
| 2012                          | 15 669                           | 76 079                                                   | 285 630                                   |                                         | 15 391                                   | 26 458                                       | 122 848                                          | 31 684                            | 142 239                                               | 8 833                 | 2 974                                                     |
| 2013                          | 15 201                           | 72 551                                                   | 275 963                                   |                                         | 14 835                                   | 26 124                                       | 123 151                                          | 31 477                            | 151 873                                               | 9 110                 | 2 049                                                     |
| 2014                          | 15 018                           | 68 509                                                   | 268 135                                   |                                         | 15 032                                   | 25 784                                       | 124 190                                          | 31 683                            | 158 163                                               | 9 468                 | 1 875                                                     |
| 2015                          | 14 889                           | 65 022                                                   | 262 444                                   |                                         | 14 920                                   | 25 735                                       | 125 698                                          | 31 612                            | 161 327                                               | 9 729                 | 1 847                                                     |
| 2016                          | 14 698                           | 59 632                                                   | 256 213                                   |                                         | 14 517                                   | 25 391                                       | 127 946                                          | 31 307                            | 159 124                                               | 9 852                 | 1 787                                                     |
| 2017                          | 13 581                           | 80 510                                                   | 209 907                                   | 9 858                                   | 31 910                                   | 14 331                                       | 119 622                                          | 31 289                            | 148 142                                               | 9 913                 | 3 215                                                     |
| Ph.D. program                 | 210                              | 1 198                                                    | 7 010                                     | 192                                     | 896                                      | 504                                          | 3 272                                            | 148                               | 193                                                   | 69                    | 104                                                       |
| M. A. program                 | 1 936                            | 10 420                                                   | 36 840                                    | 1 210                                   | 5 478                                    | 2 223                                        | 6 674                                            | 2 195                             | 5 257                                                 | 1 048                 | 767                                                       |
| Univ. & college               | 11 435                           | 65 957                                                   | 161 926                                   | 8 275                                   | 24 943                                   | 11 381                                       | 65 487                                           | 23 909                            | 127 623                                               | 8 256                 | 2 344                                                     |
| Total for Jr. college         | -                                | 2 935                                                    | 4 131                                     | 181                                     | 593                                      | 223                                          | 44 189                                           | 5 037                             | 15 069                                                | 540                   | -                                                         |

**Table 16. Number of overseas compatriot Chinese students in all levels of schools**

Persons

| School Year | Total                    |                    |                 | University         |                    | National Defense Medical Center |                | NTNU Division of Preparatory Programs for Overseas Chinese Students |                                       | Junior college |                   |        |
|-------------|--------------------------|--------------------|-----------------|--------------------|--------------------|---------------------------------|----------------|---------------------------------------------------------------------|---------------------------------------|----------------|-------------------|--------|
|             |                          | Male               | Female          | Male               | Female             | Male                            | Female         | Male                                                                | Female                                | Male           | Female            |        |
| 2003        | 11 353                   | 5 580              | 5 773           | 4 059              | 4 283              | 45                              | 35             | 564                                                                 | 498                                   | 157            | 274               |        |
| 2004        | 11 427                   | 5 564              | 5 863           | 4 241              | 4 390              | 53                              | 29             | 504                                                                 | 520                                   | 145            | 238               |        |
| 2005        | 11 401                   | 5 583              | 5 818           | 4 180              | 4 391              | 48                              | 30             | 498                                                                 | 499                                   | 115            | 198               |        |
| 2006        | 11 455                   | 5 687              | 5 768           | 4 474              | 4 583              | 48                              | 27             | 516                                                                 | 498                                   | 91             | 158               |        |
| 2007        | 11 974                   | 6 117              | 5 857           | 4 874              | 4 576              | 43                              | 32             | 592                                                                 | 593                                   | 71             | 155               |        |
| 2008        | 12 510                   | 6 403              | 6 107           | 5 150              | 4 897              | 40                              | 34             | 636                                                                 | 557                                   | 62             | 124               |        |
| 2009        | 13 941                   | 7 082              | 6 859           | 5 675              | 5 553              | 42                              | 30             | 763                                                                 | 697                                   | 42             | 110               |        |
| 2010        | 14 610                   | 7 476              | 7 134           | 6 164              | 5 911              | 42                              | 33             | 735                                                                 | 643                                   | 28             | 81                |        |
| 2011        | 15 151                   | 7 821              | 7 330           | 6 789              | 6 404              | 42                              | 33             | 447                                                                 | 339                                   | 18             | 48                |        |
| 2012        | 16 266                   | 8 468              | 7 798           | 7 401              | 6 813              | 40                              | 34             | 511                                                                 | 424                                   | 15             | 40                |        |
| 2013        | 18 068                   | 9 393              | 8 675           | 8 229              | 7 637              | 43                              | 37             | 619                                                                 | 504                                   | 21             | 45                |        |
| 2014        | 21 437                   | 11 265             | 10 172          | 9 878              | 8 863              | 47                              | 34             | 655                                                                 | 593                                   | 26             | 38                |        |
| 2015        | 24 649                   | 12 953             | 11 696          | 11 550             | 10 232             | 49                              | 39             | 464                                                                 | 526                                   | 22             | 36                |        |
| 2016        | 26 973                   | 14 126             | 12 847          | 12 472             | 11 146             | 49                              | 49             | 434                                                                 | 416                                   | 19             | 41                |        |
| 2017        | 28 308                   | 14 766             | 13 542          | 12 919             | 11 624             | 54                              | 54             | 277                                                                 | 311                                   | 14             | 37                |        |
| School Year | Senior secondary schools |                    |                 |                    | Junior high school |                                 | Primary school |                                                                     | Elementary & junior high supp. school |                | Continuing school |        |
|             | Male                     |                    | Female          |                    |                    |                                 |                |                                                                     |                                       |                |                   |        |
|             | Sr. high school          | Voca-tional school | Sr. high school | Voca-tional school | Male               | Female                          | Male           | Female                                                              | Male                                  | Female         | Male              | Female |
| 2003        | 170                      | 129                | 198             | 90                 | 231                | 187                             | 177            | 134                                                                 | 28                                    | 59             | 20                | 15     |
| 2004        | 158                      | 109                | 194             | 84                 | 202                | 176                             | 116            | 95                                                                  | 18                                    | 118            | 18                | 19     |
| 2005        | 163                      | 207                | 177             | 101                | 229                | 179                             | 116            | 84                                                                  | 7                                     | 132            | 20                | 27     |
| 2006        | 150                      | 165                | 170             | 115                | 146                | 107                             | 69             | 64                                                                  | 6                                     | 20             | 22                | 26     |
| 2007        | 150                      | 160                | 156             | 103                | 138                | 132                             | 68             | 55                                                                  | 3                                     | 31             | 18                | 24     |
| 2008        | 166                      | 130                | 178             | 90                 | 137                | 124                             | 73             | 59                                                                  | 9                                     | 44             | -                 | -      |
| 2009        | 197                      | 91                 | 199             | 69                 | 111                | 95                              | 161            | 106                                                                 | -                                     | -              | -                 | -      |
| 2010        | 174                      | 86                 | 178             | 61                 | 92                 | 99                              | 155            | 128                                                                 | -                                     | -              | -                 | -      |
| 2011        | 203                      | 74                 | 218             | 65                 | 92                 | 84                              | 156            | 139                                                                 | -                                     | -              | -                 | -      |
| 2012        | 180                      | 66                 | 183             | 68                 | 65                 | 88                              | 190            | 148                                                                 | -                                     | -              | -                 | -      |
| 2013        | 188                      | 56                 | 187             | 59                 | 59                 | 71                              | 178            | 135                                                                 | -                                     | -              | -                 | -      |
| 2014        | 347                      |                    | 363             |                    | 103                | 105                             | 209            | 176                                                                 | -                                     | -              | -                 | -      |
| 2015        | 588                      |                    | 571             |                    | 78                 | 94                              | 202            | 198                                                                 | -                                     | -              | -                 | -      |
| 2016        | 832                      |                    | 928             |                    | 122                | 110                             | 198            | 157                                                                 | -                                     | -              | -                 | -      |
| 2017        | 1 275                    |                    | 1 286           |                    | 73                 | 91                              | 154            | 139                                                                 | -                                     | -              | -                 | -      |

**Note:** Including Students from Hong Kong and Macao**Source:** Ministry of Education

Table 17. Summary of R&amp;D personnel

Persons, Person-years

| Year                | R&D personnel                      |                     |                                       |                     |                               |                  |                    | R&D personnel indicators                    |                                              |                                                                  |
|---------------------|------------------------------------|---------------------|---------------------------------------|---------------------|-------------------------------|------------------|--------------------|---------------------------------------------|----------------------------------------------|------------------------------------------------------------------|
|                     | Total                              | Researchers (1)     |                                       | Technicians         |                               | Supporting staff |                    | Resear-<br>chers per<br>1,000<br>population | Resear-<br>chers per<br>1,000 labor<br>force | Annual R&D<br>expenditure<br>per<br>researcher<br>(Million NT\$) |
|                     |                                    |                     | Female                                |                     | Female                        |                  | Female             |                                             |                                              |                                                                  |
| 1999                | 134 845                            | 67 165              | 13 307                                | 51 754              | 11 633                        | 15 926           | 8 025              | 3.0                                         | 7.0                                          | 2.84                                                             |
| 2001                | 138 409                            | 73 239              | 13 334                                | 48 886              | 11 830                        | 16 283           | 9 096              | 3.3                                         | 7.4                                          | 2.80                                                             |
| 2004                | 187 001                            | 108 891             | 20 490                                | 60 425              | 15 550                        | 17 684           | 9 760              | 4.8                                         | 10.6                                         | 2.42                                                             |
| 2005                | 195 721                            | 115 954             | 22 712                                | 62 298              | 16 194                        | 17 469           | 9 559              | 5.1                                         | 11.2                                         | 2.42                                                             |
| 2006                | 212 483                            | 126 168             | 25 820                                | 67 715              | 17 828                        | 18 600           | 10 889             | 5.5                                         | 12.0                                         | 2.43                                                             |
| 2007                | 228 987                            | 136 249             | 27 294                                | 72 799              | 19 115                        | 19 939           | 11 773             | 5.9                                         | 12.7                                         | 2.44                                                             |
| 2008                | 241 366                            | 144 234             | 28 994                                | 77 218              | 20 523                        | 19 914           | 11 885             | 6.3                                         | 13.3                                         | 2.44                                                             |
| 2009                | 256 543                            | 155 216             | 31 899                                | 80 271              | 22 368                        | 21 056           | 11 818             | 6.7                                         | 14.2                                         | 2.37                                                             |
| 2010                | 273 447                            | 165 585             | 34 613                                | 86 809              | 23 745                        | 21 053           | 12 358             | 7.1                                         | 15.0                                         | 2.39                                                             |
| 2011                | 288 726                            | 174 600             | 37 626                                | 91 757              | 25 087                        | 22 369           | 13 463             | 7.5                                         | 15.6                                         | 2.37                                                             |
| 2012                | 296 724                            | 179 830             | 39 144                                | 94 966              | 26 037                        | 21 928           | 12 501             | 7.7                                         | 15.9                                         | 2.41                                                             |
| 2013                | 301 001                            | 180 353             | 39 599                                | 98 497              | 26 566                        | 22 151           | 13 126             | 7.7                                         | 15.8                                         | 2.54                                                             |
| 2014                | 307 933                            | 182 119             | 40 276                                | 103 431             | 27 317                        | 22 383           | 12 869             | 7.8                                         | 15.8                                         | 2.65                                                             |
| 2015                | 313 463                            | 183 571             | 40 805                                | 106 800             | 27 985                        | 23 092           | 13 069             | 7.8                                         | 15.8                                         | 2.78                                                             |
| 2016                | 317 014                            | 185 472             | 41 551                                | 108 718             | 28 964                        | 22 824           | 12 891             | 7.9                                         | 15.8                                         | 2.92                                                             |
| Year                | Researchers (Full time equivalent) |                     |                                       |                     |                               |                  |                    |                                             |                                              |                                                                  |
|                     | By field of science and technology |                     |                                       |                     |                               |                  |                    | By qualification                            |                                              |                                                                  |
|                     | Total                              | Natural<br>sciences | Engi-<br>neering &<br>techno-<br>logy | Medical<br>sciences | Agricul-<br>tural<br>sciences | Humanities       | Social<br>sciences | Ph.D.                                       | Master                                       | Bachelor                                                         |
| 1999                | 54 844                             | 7 962               | 35 172                                | 4 189               | 2 949                         | 2 046            | 2 526              | 11 614                                      | 20 435                                       | 22 795                                                           |
| 2001                | 59 656                             | 8 692               | 38 874                                | 4 433               | 3 037                         | 1 588            | 3 033              | 12 797                                      | 24 825                                       | 22 034                                                           |
| 2004                | 81 209                             | 12 035              | 54 040                                | 6 246               | 2 835                         | 1 807            | 4 245              | 14 655                                      | 41 657                                       | 24 898                                                           |
| 2005                | 88 859                             | 13 891              | 58 846                                | 6 477               | 3 070                         | 2 071            | 4 504              | 15 450                                      | 47 056                                       | 26 353                                                           |
| 2006                | 95 176                             | 15 327              | 62 759                                | 6 611               | 3 239                         | 2 058            | 5 182              | 16 792                                      | 49 545                                       | 28 839                                                           |
| 2007                | 103 786                            | 17 204              | 68 616                                | 6 707               | 3 208                         | 2 391            | 5 660              | 18 264                                      | 54 324                                       | 31 197                                                           |
| 2008                | 110 461                            | 18 489              | 73 077                                | 7 375               | 3 216                         | 2 524            | 5 779              | 19 580                                      | 58 157                                       | 32 725                                                           |
| 2009                | 119 583                            | 19 558              | 79 249                                | 8 129               | 3 271                         | 2 904            | 6 471              | 20 989                                      | 64 056                                       | 34 539                                                           |
| 2010                | 128 347                            | 20 727              | 85 692                                | 8 807               | 3 594                         | 2 984            | 6 544              | 22 473                                      | 68 462                                       | 37 412                                                           |
| 2011                | 134 762                            | 21 614              | 90 747                                | 9 024               | 3 538                         | 3 204            | 6 637              | 23 847                                      | 71 262                                       | 39 653                                                           |
| 2012                | 140 102                            | 22 611              | 94 278                                | 9 500               | 3 504                         | 3 187            | 7 022              | 25 025                                      | 74 101                                       | 40 976                                                           |
| 2013                | 141 159                            | 23 181              | 94 792                                | 9 516               | 3 554                         | 3 169            | 6 947              | 25 988                                      | 75 505                                       | 39 666                                                           |
| 2014                | 142 983                            | 23 387              | 96 245                                | 9 883               | 3 466                         | 3 203            | 6 799              | 26 143                                      | 77 240                                       | 39 600                                                           |
| 2015                | 145 381                            | 23 877              | 98 024                                | 10 144              | 3 345                         | 3 234            | 6 757              | 26 728                                      | 79 549                                       | 39 104                                                           |
| 2016                | 147 710                            | 24 011              | 100 371                               | 10 223              | 3 274                         | 3 128            | 6 703              | 26 949                                      | 81 815                                       | 38 946                                                           |
| Business enterprise | 102 721                            | 15 439              | 82 890                                | 2 444               | 404                           | 195              | 1 350              | 6 425                                       | 61 325                                       | 34 972                                                           |
| Government          | 15 366                             | 2 830               | 7 947                                 | 2 187               | 1 505                         | 346              | 551                | 5 293                                       | 8 167                                        | 1 907                                                            |
| Higher education    | 29 099                             | 5 696               | 9 429                                 | 5 450               | 1 294                         | 2 575            | 4 655              | 15 004                                      | 12 111                                       | 1 984                                                            |
| Private non-profit  | 523                                | 46                  | 105                                   | 142                 | 71                            | 12               | 147                | 228                                         | 212                                          | 84                                                               |

**Note:** R&D personnel do not include the personnel of defense from 1999 to 2001 and include the students of Ph. D. program from 2002.**Source:** Ministry of Science and Technology

Table 18. Summary of R&amp;D expenditure

Million NT\$

| Year | R&D expenditure     |                 | R&D expenditure as a % of GNI (%) | R&D expenditure as a % of GDP (%) | Gov. sector R&D expenditure as a % of R&D expenditure (%) | Manufacturing industry R&D expenditure as a % of sales (1) (%) | Basic research expenditure as a % of R&D expenditure (%) | Business enterprise R&D expenditure as a % of value-added in industry (2) (%) |                    |
|------|---------------------|-----------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|--------------------|
|      |                     | Growth rate (%) |                                   |                                   |                                                           |                                                                |                                                          |                                                                               |                    |
| 1991 | 81 765              | 14.3            | 1.68                              | 1.73                              | 52.1                                                      | ...                                                            | ...                                                      | ...                                                                           |                    |
| 1996 | 137 955             | 10.3            | 1.76                              | 1.79                              | 41.6                                                      | ...                                                            | ...                                                      | ...                                                                           |                    |
| 2001 | 204 974             | 3.7             | 1.98                              | 2.02                              | 33.3                                                      | 1.26                                                           | 10.8                                                     | 1.68                                                                          |                    |
| 2005 | 280 980             | 6.7             | 2.27                              | 2.32                              | 31.5                                                      | 1.36                                                           | 10.3                                                     | 2.09                                                                          |                    |
| 2006 | 307 037             | 9.3             | 2.37                              | 2.43                              | 31.4                                                      | 1.34                                                           | 10.2                                                     | 2.22                                                                          |                    |
| 2007 | 331 777             | 8.1             | 2.41                              | 2.47                              | 29.8                                                      | 1.36                                                           | 10.0                                                     | 2.33                                                                          |                    |
| 2008 | 351 911             | 6.1             | 2.61                              | 2.68                              | 28.2                                                      | 1.56                                                           | 10.2                                                     | 2.60                                                                          |                    |
| 2009 | 367 808             | 4.5             | 2.75                              | 2.84                              | 28.9                                                      | 1.84                                                           | 10.4                                                     | 2.77                                                                          |                    |
| 2010 | 395 835             | 7.6             | 2.72                              | 2.80                              | 27.4                                                      | 1.60                                                           | 10.0                                                     | 2.72                                                                          |                    |
| 2011 | 414 412             | 4.7             | 2.82                              | 2.90                              | 26.2                                                      | 1.60                                                           | 9.7                                                      | 2.86                                                                          |                    |
| 2012 | 433 502             | 4.6             | 2.86                              | 2.95                              | 24.6                                                      | 1.75                                                           | 9.4                                                      | 3.02                                                                          |                    |
| 2013 | 457 641             | 5.6             | 2.92                              | 3.00                              | 23.3                                                      | 1.85                                                           | 9.2                                                      | 3.08                                                                          |                    |
| 2014 | 483 492             | 5.6             | 2.92                              | 3.00                              | 21.7                                                      | 1.91                                                           | 9.0                                                      | 3.09                                                                          |                    |
| 2015 | 510 443             | 5.6             | 2.95                              | 3.04                              | 21.1                                                      | 2.22                                                           | 8.7                                                      | 3.15                                                                          |                    |
| 2016 | 541 360             | 6.1             | 3.06                              | 3.16                              | 21.3                                                      | 2.36                                                           | 8.2                                                      | 3.25                                                                          |                    |
| Year | R&D expenditure     |                 |                                   |                                   |                                                           |                                                                |                                                          |                                                                               |                    |
|      | By source of funds  |                 |                                   |                                   |                                                           | By sector of performance                                       |                                                          |                                                                               |                    |
|      | Business enterprise | Government      | Higher education                  | Private non-profit                | Abroad                                                    | Business enterprise                                            | Government                                               | Higher education                                                              | Private non-profit |
| 1991 | -                   | -               | -                                 | -                                 | -                                                         | -                                                              | -                                                        | -                                                                             | -                  |
| 1996 | -                   | -               | -                                 | -                                 | -                                                         | -                                                              | -                                                        | -                                                                             | -                  |
| 2001 | 132 950             | 68 339          | 2 719                             | 931                               | 35                                                        | 130 296                                                        | 47 732                                                   | 25 521                                                                        | 1 425              |
| 2005 | 187 853             | 88 633          | 3 147                             | 1 204                             | 144                                                       | 188 390                                                        | 59 143                                                   | 32 092                                                                        | 1 355              |
| 2006 | 206 177             | 96 443          | 3 257                             | 1 071                             | 91                                                        | 207 238                                                        | 60 965                                                   | 37 565                                                                        | 1 270              |
| 2007 | 228 464             | 98 966          | 3 158                             | 1 051                             | 137                                                       | 229 517                                                        | 60 643                                                   | 40 400                                                                        | 1 218              |
| 2008 | 247 913             | 99 260          | 3 441                             | 1 144                             | 153                                                       | 248 868                                                        | 58 928                                                   | 42 905                                                                        | 1 209              |
| 2009 | 256 633             | 106 153         | 3 683                             | 1 191                             | 149                                                       | 258 039                                                        | 61 587                                                   | 46 823                                                                        | 1 359              |
| 2010 | 282 169             | 108 615         | 3 797                             | 1 093                             | 161                                                       | 283 421                                                        | 63 020                                                   | 47 970                                                                        | 1 424              |
| 2011 | 300 874             | 108 464         | 3 918                             | 1 007                             | 148                                                       | 301 477                                                        | 62 546                                                   | 48 978                                                                        | 1 410              |
| 2012 | 321 423             | 106 758         | 3 965                             | 791                               | 565                                                       | 322 111                                                        | 61 172                                                   | 48 898                                                                        | 1 321              |
| 2013 | 345 624             | 106 692         | 3 912                             | 777                               | 636                                                       | 346 206                                                        | 60 993                                                   | 48 987                                                                        | 1 455              |
| 2014 | 373 444             | 104 776         | 3 844                             | 860                               | 569                                                       | 373 019                                                        | 60 734                                                   | 48 131                                                                        | 1 608              |
| 2015 | 397 865             | 107 563         | 3 718                             | 907                               | 389                                                       | 397 163                                                        | 63 603                                                   | 48 108                                                                        | 1 569              |
| 2016 | 420 873             | 115 435         | 3 590                             | 995                               | 466                                                       | 419 989                                                        | 71 051                                                   | 48 707                                                                        | 1 612              |

**Note:** 1. R&D expenditure include defense R&D expenditure from 2002.

2. About the data of source of funds and sector of performance, they couldn't link up before 1999 because their classifications are different.

(1) MOEA's *Factory Adjustment and Operation Survey* was not conducted in 1991, 1996, 2001, 2006, 2011, and 2016, so sales for these years are estimates.

(2) Value added in industry are calculated from *National Accounts* by DGBAS, and in accordance with the industrial scope of OECD definition.

**Source:** 1. Ministry of Science and Technology

2. Directorate-General of Budget, Accounting and Statistics

Table 18. Summary of R&amp;D expenditure (continued)

Million NT\$

| Year | R&D expenditure |                  |                          |                         |             |                     |                         |                    |                           |                               |                                      |
|------|-----------------|------------------|--------------------------|-------------------------|-------------|---------------------|-------------------------|--------------------|---------------------------|-------------------------------|--------------------------------------|
|      | By type of R&D  |                  |                          | By type of costs        |             |                     |                         |                    |                           |                               |                                      |
|      | Basic research  | Applied research | Experimental development | R&D current expenditure |             |                     | R&D capital expenditure |                    |                           |                               |                                      |
|      |                 |                  |                          | Sub-total               | Labor costs | Other current costs | Sub-total               | Land and buildings | Instruments and equipment | Capitalized computer software | Other intellectual property products |
| 1991 | 8 275           | 33 320           | 40 170                   | ...                     | ...         | ...                 | ...                     | ...                | ...                       | ...                           | ...                                  |
| 1996 | 15 223          | 41 463           | 81 269                   | ...                     | ...         | ...                 | ...                     | ...                | ...                       | ...                           | ...                                  |
| 2001 | 22 143          | 59 914           | 122 917                  | 175 730                 | 89 634      | 86 096              | 29 244                  | 5 755              | 23 489                    | ...                           | ...                                  |
| 2005 | 28 961          | 74 219           | 177 801                  | 246 314                 | 131 136     | 115 179             | 34 666                  | 4 494              | 30 172                    | ...                           | ...                                  |
| 2006 | 31 229          | 81 270           | 194 539                  | 269 860                 | 143 957     | 125 903             | 37 177                  | 2 898              | 34 279                    | ...                           | ...                                  |
| 2007 | 33 189          | 85 123           | 213 465                  | 291 953                 | 156 990     | 134 963             | 39 824                  | 3 420              | 36 404                    | ...                           | ...                                  |
| 2008 | 35 779          | 89 636           | 226 496                  | 318 260                 | 175 500     | 142 759             | 33 651                  | 2 259              | 31 392                    | ...                           | ...                                  |
| 2009 | 38 097          | 94 042           | 235 669                  | 334 698                 | 188 913     | 145 785             | 33 110                  | 2 488              | 30 622                    | ...                           | ...                                  |
| 2010 | 39 487          | 97 736           | 258 612                  | 361 467                 | 207 997     | 153 470             | 34 368                  | 2 221              | 32 147                    | ...                           | ...                                  |
| 2011 | 40 184          | 98 223           | 276 005                  | 378 491                 | 216 085     | 162 406             | 35 921                  | 2 639              | 33 282                    | ...                           | ...                                  |
| 2012 | 40 748          | 101 580          | 291 173                  | 395 863                 | 228 645     | 167 219             | 37 638                  | 1 890              | 35 748                    | ...                           | ...                                  |
| 2013 | 41 966          | 106 233          | 309 442                  | 417 396                 | 241 801     | 175 595             | 40 245                  | 3 885              | 36 360                    | ...                           | ...                                  |
| 2014 | 43 408          | 111 026          | 329 058                  | 441 333                 | 263 256     | 178 076             | 42 159                  | 5 047              | 37 113                    | ...                           | ...                                  |
| 2015 | 44 333          | 118 043          | 348 068                  | 464 285                 | 280 144     | 184 142             | 46 158                  | 6 368              | 39 790                    | ...                           | ...                                  |
| 2016 | 44 188          | 124 143          | 373 029                  | 492 894                 | 294 639     | 198 255             | 48 466                  | 5 900              | 39 614                    | 1 531                         | 1 420                                |



**Table 19. Number of patent applications and grant**

Cases

| Year | No. of patent applications |           |               |        |                           |               |
|------|----------------------------|-----------|---------------|--------|---------------------------|---------------|
|      |                            | Types     |               |        | Residents & non-residents |               |
|      |                            | Invention | Utility model | Design | Residents                 | Non-residents |
| 1956 | 541                        | 59        | 322           | 160    | 514                       | 27            |
| 1971 | 4 640                      | 1 879     | 2 344         | 417    | 3 023                     | 1 617         |
| 1981 | 15 027                     | 3 872     | 7 408         | 3 747  | 10 131                    | 4 896         |
| 1991 | 36 127                     | 10 325    | 16 644        | 9 158  | 22 940                    | 13 187        |
| 1996 | 47 055                     | 15 959    | 19 975        | 11 121 | 31 185                    | 15 870        |
| 2008 | 83 534                     | 51 831    | 23 952        | 7 751  | 51 063                    | 32 471        |
| 2009 | 78 352                     | 46 582    | 25 032        | 6 738  | 51 037                    | 27 315        |
| 2010 | 80 380                     | 47 327    | 25 833        | 7 220  | 51 871                    | 28 509        |
| 2011 | 82 824                     | 49 919    | 25 170        | 7 735  | 52 061                    | 30 763        |
| 2012 | 85 074                     | 51 189    | 25 637        | 8 248  | 52 282                    | 32 792        |
| 2013 | 83 211                     | 49 217    | 25 025        | 8 969  | 50 535                    | 32 676        |
| 2014 | 78 015                     | 46 379    | 23 488        | 8 148  | 45 773                    | 32 242        |
| 2015 | 73 627                     | 44 415    | 21 404        | 7 808  | 41 844                    | 31 783        |
| 2016 | 72 442                     | 43 836    | 20 161        | 8 445  | 40 443                    | 31 999        |
| 2017 | 73 791                     | 46 122    | 19 549        | 8 120  | 40 835                    | 32 956        |
| Year | No. of patent grant<br>(1) | Types     |               |        | Residents & non-residents |               |
|      |                            | Invention | Utility model | Design | Residents                 | Non-residents |
|      |                            |           |               |        |                           |               |
| 1956 | 189                        | 31        | 114           | 44     | 170                       | 19            |
| 1971 | 2 524                      | 1 433     | 946           | 145    | 969                       | 1 555         |
| 1981 | 6 264                      | 2 074     | 2 902         | 1 288  | 2 897                     | 3 367         |
| 1991 | 27 281                     | 10 123    | 12 344        | 4 814  | 13 555                    | 13 726        |
| 1996 | 29 469                     | 8 594     | 13 623        | 7 252  | 19 410                    | 10 059        |
| 2008 | 42 284                     | 12 867    | 23 411        | 6 006  | 32 127                    | 10 157        |
| 2009 | 43 728                     | 14 138    | 23 595        | 5 995  | 33 283                    | 10 445        |
| 2010 | 46 023                     | 16 377    | 23 956        | 5 690  | 34 925                    | 11 098        |
| 2011 | 50 305                     | 20 025    | 24 038        | 6 242  | 36 767                    | 13 538        |
| 2012 | 56 608                     | 25 535    | 24 642        | 6 431  | 39 551                    | 17 057        |
| 2013 | 72 142                     | 40 249    | 24 844        | 7 049  | 47 378                    | 24 764        |
| 2014 | 76 252                     | 45 601    | 23 712        | 6 939  | 47 742                    | 28 510        |
| 2015 | 78 087                     | 48 315    | 22 106        | 7 666  | 46 446                    | 31 641        |
| 2016 | 76 406                     | 48 947    | 19 793        | 7 666  | 43 971                    | 32 435        |
| 2017 | 71 877                     | 45 710    | 19 037        | 7 130  | 40 132                    | 31 745        |

**Note:** (1) This system was replaced by the patent granted system on July 1, 2004, which issues a certificate at the same time the approval is published; number of patent grant is the number of approval before 2005.

**Source:** Intellectual Property Office, Ministry of Economic Affairs

Table 20. General conditions of culture and mass communication

Numbers

| End of Year | Publishing industries | Newspaper & related publishing (1) | Periodical & magazine publishing (1) | Book publishing (1)(2) | Cinema (3) | Radio & TV          |     |                                                |                      |         |
|-------------|-----------------------|------------------------------------|--------------------------------------|------------------------|------------|---------------------|-----|------------------------------------------------|----------------------|---------|
|             |                       |                                    |                                      |                        |            | Wireless radio & TV |     | Satellite broadcasting                         |                      |         |
|             |                       |                                    |                                      |                        |            | Radio               | TV  | Direct satellite broadcasting service operator | Program supplier (4) |         |
|             |                       |                                    |                                      |                        |            |                     |     |                                                | Domestic             | Foreign |
| 2003        | 3 190                 | 183                                | 811                                  | 1 697                  | 210        | ...                 | ... | ...                                            | ...                  | ...     |
| 2004        | 3 386                 | 199                                | 857                                  | 1 802                  | 196        | ...                 | ... | ...                                            | ...                  | ...     |
| 2005        | 3 581                 | 195                                | 933                                  | 1 900                  | 184        | ...                 | ... | ...                                            | ...                  | ...     |
| 2006        | 3 637                 | 171                                | 955                                  | 1 948                  | 169        | ...                 | ... | ...                                            | ...                  | ...     |
| 2007        | 5 095                 | 177                                | 984                                  | 1 908                  | 108        | ...                 | ... | ...                                            | ...                  | ...     |
| 2008        | 9 587                 | 183                                | 996                                  | 1 864                  | 115        | ...                 | ... | ...                                            | ...                  | ...     |
| 2009        | 9 378                 | 191                                | 1 040                                | 1 839                  | 111        | 172                 | 5   | ...                                            | 79                   | 30      |
| 2010        | 9 249                 | 197                                | 1 073                                | 1 828                  | 108        | 171                 | 5   | ...                                            | 82                   | 30      |
| 2011        | 9 144                 | 202                                | 1 125                                | 1 833                  | 110        | 171                 | 5   | ...                                            | 80                   | 29      |
| 2012        | 9 078                 | 220                                | 1 228                                | 1 850                  | 114        | 171                 | 5   | 8                                              | 80                   | 29      |
| 2013        | 8 880                 | 219                                | 1 246                                | 1 869                  | 109        | 171                 | 5   | 7                                              | 84                   | 30      |
| 2014        | 8 638                 | 228                                | 1 297                                | 1 868                  | 105        | 171                 | 5   | 6                                              | 86                   | 29      |
| 2015        | 8 379                 | 236                                | 1 283                                | 1 860                  | 108        | 171                 | 5   | 6                                              | 93                   | 30      |
| 2016        | 8 254                 | 252                                | 1 294                                | 1 890                  | 115        | 170                 | 5   | 6                                              | 93                   | 33      |
| 2017        | ...                   | ...                                | ...                                  | ...                    | ...        | 171                 | 5   | 5                                              | 92                   | 30      |

  

| End of Year | Radio & TV             |         |                     |                  |             |                             |                                 |                                     |          |             |
|-------------|------------------------|---------|---------------------|------------------|-------------|-----------------------------|---------------------------------|-------------------------------------|----------|-------------|
|             | Satellite broadcasting |         | Cable TV            |                  |             |                             |                                 | Multimedia content platform service |          |             |
|             | Channels               |         | Transmission system | System operators | Subscribers | Digital service subscribers | Digital pay-channel subscribers | Numbers                             | Channels | Subscribers |
|             | Domestic               | Foreign |                     |                  |             |                             |                                 |                                     |          |             |
| 2003        | ...                    | ...     | ...                 | ...              | ...         | ...                         | ...                             | ...                                 | ...      | ...         |
| 2004        | ...                    | ...     | ...                 | ...              | ...         | ...                         | ...                             | ...                                 | ...      | ...         |
| 2005        | ...                    | ...     | ...                 | ...              | ...         | ...                         | ...                             | ...                                 | ...      | ...         |
| 2006        | ...                    | ...     | ...                 | ...              | ...         | ...                         | ...                             | ...                                 | ...      | ...         |
| 2007        | ...                    | ...     | ...                 | ...              | ...         | ...                         | ...                             | ...                                 | ...      | ...         |
| 2008        | ...                    | ...     | ...                 | ...              | ...         | ...                         | ...                             | ...                                 | ...      | ...         |
| 2009        | 233                    |         | 3                   | 60               | 4 980 251   | 256 727                     | 146 586                         | 2                                   | 120      | 668 541     |
| 2010        | 268                    |         | 3                   | 59               | 5 084 491   | 391 462                     | 276 984                         | 2                                   | 158      | 815 579     |
| 2011        | 158                    | 105     | 3                   | 59               | 5 061 737   | 570 727                     | 428 448                         | 2                                   | 181      | 1 064 138   |
| 2012        | 157                    | 112     | 3                   | 59               | 4 989 155   | 1 049 321                   | 585 655                         | 2                                   | 209      | 1 205 760   |
| 2013        | 165                    | 115     | 3                   | 56               | 4 985 222   | 2 275 194                   | 972 262                         | 2                                   | 208      | 1 265 111   |
| 2014        | 169                    | 111     | 3                   | 56               | 5 002 216   | 3 947 507                   | 1 212 630                       | 1                                   | 159      | 1 284 557   |
| 2015        | 181                    | 118     | 3                   | 61               | 5 078 876   | 4 563 243                   | 1 329 730                       | 1                                   | 195      | 1 298 012   |
| 2016        | 180                    | 124     | 2                   | 63               | 5 205 562   | 4 988 968                   | 1 418 710                       | 1                                   | 193      | 1 331 545   |
| 2017        | 175                    | 115     | -                   | 65               | 5 225 255   | 5 196 974                   | 1 550 946                       | 1                                   | 202      | 1 602 048   |

**Note:** (1) Data include the digital publishing.

(2) Data include the comic creation, literary creation and independent contributors from 2010.

(3) Data include the open-air cinema.

(4) Some program suppliers are for both domestic and foreign program suppliers at the same time.

**Source:** 1. Ministry of Culture

2. National Communications Commission

HEALTH

**Table 21. General situation of medical institutions and registered medical personnel**No., Persons, Km<sup>2</sup>

| End of Year | Medical institutions |           |                                 |                                |                    |         |                               |                              |                  |
|-------------|----------------------|-----------|---------------------------------|--------------------------------|--------------------|---------|-------------------------------|------------------------------|------------------|
|             |                      | Hospitals | Hospitals per 10,000 population | No. of population per hospital | Areas per hospital | Clinics | Clinics per 10,000 population | No. of population per clinic | Areas per clinic |
| 1954        | 1 000                | ...       | ...                             | ...                            | ...                | ...     | ...                           | ...                          | ...              |
| 1971        | 7 107                | ...       | ...                             | ...                            | ...                | ...     | ...                           | ...                          | ...              |
| 1981        | 11 161               | ...       | ...                             | ...                            | ...                | ...     | ...                           | ...                          | ...              |
| 1991        | 13 661               | 821       | 0.40                            | 25 039                         | 44.07              | 12 840  | 6.25                          | 1 601                        | 2.82             |
| 2001        | 18 265               | 637       | 0.28                            | 35 174                         | 56.81              | 17 628  | 7.87                          | 1 271                        | 2.05             |
| 2008        | 20 174               | 515       | 0.22                            | 44 732                         | 70.27              | 19 659  | 8.53                          | 1 172                        | 1.84             |
| 2009        | 20 306               | 514       | 0.22                            | 44 980                         | 70.41              | 19 792  | 8.56                          | 1 168                        | 1.83             |
| 2010        | 20 691               | 508       | 0.22                            | 45 595                         | 71.24              | 20 183  | 8.71                          | 1 148                        | 1.79             |
| 2011        | 21 135               | 507       | 0.22                            | 45 809                         | 71.39              | 20 628  | 8.88                          | 1 126                        | 1.75             |
| 2012        | 21 437               | 502       | 0.22                            | 46 446                         | 72.10              | 20 935  | 8.98                          | 1 114                        | 1.73             |
| 2013        | 21 713               | 495       | 0.21                            | 47 219                         | 73.12              | 21 218  | 9.08                          | 1 102                        | 1.71             |
| 2014        | 22 041               | 497       | 0.21                            | 47 150                         | 72.82              | 21 544  | 9.19                          | 1 088                        | 1.68             |
| 2015        | 22 177               | 494       | 0.21                            | 47 555                         | 73.27              | 21 683  | 9.23                          | 1 083                        | 1.67             |
| 2016        | 22 384               | 490       | 0.21                            | 48 040                         | 73.87              | 21 894  | 9.30                          | 1 075                        | 1.65             |
| 2017        | 22 612               | 483       | 0.20                            | 48 802                         | 74.94              | 22 129  | 9.39                          | 1 065                        | 1.64             |

**Note:** Data do not include Kinmen County and Lienchiang County before 1993.**Source:** 1. Ministry of Health and Welfare

2. Ministry of the Interior

**Table 21. General situation of medical institutions and registered medical personnel (continued)**

| End of Year | Beds, Persons |                            |                           |                                  |                                         |                                      |                                     |                                                  |
|-------------|---------------|----------------------------|---------------------------|----------------------------------|-----------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------------------|
|             | Beds          | Beds per 10,000 population | Population served per bed | Registered medical personnel (1) | Medical personnel per 10,000 population | Physicians per 10,000 population (2) | Population served per physician (2) | Registered medical personnel per km <sup>2</sup> |
| 1954        | 2 876         | 3.29                       | 3 042                     | 10 414                           | 11.90                                   | 6.31                                 | 1 584                               | 0.29                                             |
| 1971        | 23 984        | 15.99                      | 625                       | 18 227                           | 12.16                                   | 5.23                                 | 1 912                               | 0.51                                             |
| 1981        | 44 053        | 24.29                      | 412                       | 45 696                           | 25.20                                   | 7.52                                 | 1 330                               | 1.27                                             |
| 1991        | 92 785        | 45.14                      | 222                       | 96 921                           | 47.15                                   | 11.49                                | 870                                 | 2.69                                             |
| 2001        | 127 676       | 56.98                      | 175                       | 165 855                          | 74.02                                   | 15.42                                | 649                                 | 4.58                                             |
| 2008        | 152 901       | 66.37                      | 151                       | 223 623                          | 97.07                                   | 18.34                                | 545                                 | 6.18                                             |
| 2009        | 156 740       | 67.79                      | 148                       | 233 553                          | 101.02                                  | 18.67                                | 536                                 | 6.45                                             |
| 2010        | 158 922       | 68.61                      | 146                       | 241 156                          | 104.12                                  | 19.10                                | 524                                 | 6.66                                             |
| 2011        | 160 472       | 69.09                      | 145                       | 250 258                          | 107.75                                  | 19.62                                | 510                                 | 6.91                                             |
| 2012        | 160 900       | 69.01                      | 145                       | 258 283                          | 110.78                                  | 20.02                                | 500                                 | 7.14                                             |
| 2013        | 159 422       | 68.21                      | 147                       | 265 759                          | 113.70                                  | 20.51                                | 488                                 | 7.34                                             |
| 2014        | 161 491       | 68.91                      | 145                       | 271 555                          | 115.88                                  | 20.96                                | 477                                 | 7.50                                             |
| 2015        | 162 163       | 69.03                      | 145                       | 280 508                          | 119.41                                  | 21.41                                | 467                                 | 7.75                                             |
| 2016        | 163 148       | 69.31                      | 144                       | 289 174                          | 122.84                                  | 21.79                                | 459                                 | 7.99                                             |
| 2017        | 164 590       | 69.83                      | 143                       | 299 782                          | 127.18                                  | 22.51                                | 444                                 | 8.28                                             |

**Note:** (1) Including personnel in hospitals, clinics and other medical care institutions

(2) Including doctors of Chinese medicine

**Table 22. Number of registered medical personnel in hospitals, clinics and other medical care institutions**

Persons

| End of Year | Total   | Physi-<br>cians | Doctors<br>of<br>Chinese<br>medicine | Dentists | Pharma-<br>cists<br>&<br>assistant<br>pharma-<br>cists | Medical<br>technolo-<br>gists &<br>techni-<br>cians | Medical<br>radiolo-<br>gical<br>technolo-<br>gists &<br>techni-<br>cians | Registered<br>nurses &<br>professio-<br>nal nurses | Midwives<br>&<br>registered<br>professio-<br>nal<br>midwives | Dental<br>assis-<br>tants | Dietitians | Physical<br>therapists &<br>therapy<br>technicians,<br>occupational<br>therapists &<br>therapy<br>technicians |
|-------------|---------|-----------------|--------------------------------------|----------|--------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------|------------|---------------------------------------------------------------------------------------------------------------|
| 1954        | 10 414  | 3 978           | 1 545                                | 709      | 989                                                    | -                                                   | -                                                                        | 1 265                                              | 1 742                                                        | 186                       | -          | -                                                                                                             |
| 1971        | 18 227  | 6 375           | 1 466                                | 910      | 3 304                                                  | -                                                   | -                                                                        | 3 616                                              | 2 362                                                        | 194                       | -          | -                                                                                                             |
| 1981        | 45 696  | 11 957          | 1 682                                | 2 128    | 12 955                                                 | 728                                                 | -                                                                        | 13 196                                             | 2 871                                                        | 179                       | -          | -                                                                                                             |
| 1991        | 96 921  | 21 115          | 2 514                                | 5 983    | 18 570                                                 | 3 700                                               | 1 500                                                                    | 41 756                                             | 1 649                                                        | 134                       | -          | -                                                                                                             |
| 2001        | 165 855 | 30 562          | 3 979                                | 8 944    | 24 891                                                 | 6 542                                               | 3 152                                                                    | 82 763                                             | 518                                                          | 68                        | 778        | 3 658                                                                                                         |
| 2008        | 223 623 | 37 142          | 5 112                                | 11 093   | 28 741                                                 | 7 896                                               | 4 443                                                                    | 118 785                                            | 308                                                          | 43                        | 1 379      | 6 339                                                                                                         |
| 2009        | 233 553 | 37 880          | 5 290                                | 11 351   | 29 587                                                 | 8 203                                               | 4 651                                                                    | 125 081                                            | 258                                                          | 42                        | 1 563      | 6 972                                                                                                         |
| 2010        | 241 156 | 38 887          | 5 354                                | 11 656   | 30 001                                                 | 8 377                                               | 4 913                                                                    | 128 955                                            | 208                                                          | 41                        | 1 687      | 7 501                                                                                                         |
| 2011        | 250 258 | 40 002          | 5 570                                | 11 992   | 31 300                                                 | 8 579                                               | 5 133                                                                    | 133 336                                            | 134                                                          | 40                        | 1 824      | 8 104                                                                                                         |
| 2012        | 258 283 | 40 938          | 5 740                                | 12 391   | 32 015                                                 | 8 751                                               | 5 341                                                                    | 137 641                                            | 120                                                          | 40                        | 2 050      | 8 538                                                                                                         |
| 2013        | 265 759 | 41 965          | 5 977                                | 12 794   | 32 668                                                 | 9 006                                               | 5 507                                                                    | 140 915                                            | 132                                                          | 40                        | 2 234      | 9 009                                                                                                         |
| 2014        | 271 555 | 42 961          | 6 156                                | 13 178   | 33 162                                                 | 9 132                                               | 5 774                                                                    | 142 708                                            | 149                                                          | 35                        | 2 304      | 9 383                                                                                                         |
| 2015        | 280 508 | 44 006          | 6 298                                | 13 502   | 33 516                                                 | 9 261                                               | 5 952                                                                    | 148 223                                            | 150                                                          | 34                        | 2 392      | 9 887                                                                                                         |
| 2016        | 289 174 | 44 849          | 6 441                                | 13 912   | 33 908                                                 | 9 400                                               | 6 164                                                                    | 153 509                                            | 154                                                          | 33                        | 2 525      | 10 455                                                                                                        |
| 2017        | 299 782 | 46 356          | 6 692                                | 14 380   | 34 526                                                 | 9 561                                               | 6 416                                                                    | 159 621                                            | 164                                                          | 33                        | 2 631      | 11 008                                                                                                        |

**Note:** Data do not include Kinmen County and Lienchiang County before 1993.**Source:** Ministry of Health and Welfare

**Table 23. Number of deaths and crude death rates by leading causes**

Persons

| Year and Sex | All causes of deaths |                   | Malignant neoplasms |                   | Cerebrovascular diseases |                   | Diseases of heart (except hypertensive diseases) |                   | Diabetes mellitus |                   | Accidents & adverse effects |
|--------------|----------------------|-------------------|---------------------|-------------------|--------------------------|-------------------|--------------------------------------------------|-------------------|-------------------|-------------------|-----------------------------|
|              | No. of deaths        | Crude death rates | No. of deaths       | Crude death rates | No. of deaths            | Crude death rates | No. of deaths                                    | Crude death rates | No. of deaths     | Crude death rates | No. of deaths               |
| 1952         | 76 053               | 950.8             | 2 459               | 30.7              | 3 902                    | 48.8              | 3 922                                            | 49.0              | ...               | ...               | ...                         |
| 1971         | 68 522               | 461.9             | 8 463               | 57.0              | 10 335                   | 69.7              | 5 744                                            | 38.7              | ...               | ...               | 6 325                       |
| 1981         | 86 204               | 479.7             | 13 764              | 76.6              | 14 202                   | 79.0              | 7 706                                            | 42.9              | 1 613             | 9.0               | 11 616                      |
| 1991         | 104 461              | 510.7             | 19 630              | 96.0              | 14 137                   | 69.1              | 12 026                                           | 58.8              | 4 210             | 20.6              | 13 636                      |
| 2001         | 126 667              | 567.0             | 32 993              | 147.7             | 13 141                   | 58.8              | 11 003                                           | 49.2              | 9 113             | 40.8              | 9 513                       |
| 2008         | 142 283              | 618.7             | 38 913              | 169.2             | 10 663                   | 46.4              | 15 726                                           | 68.4              | 8 036             | 34.9              | 7 077                       |
| 2009         | 142 240              | 616.3             | 39 918              | 173.0             | 10 383                   | 45.0              | 15 094                                           | 65.4              | 8 230             | 35.7              | 7 358                       |
| 2010         | 144 709              | 625.3             | 41 046              | 177.4             | 10 134                   | 43.8              | 15 675                                           | 67.7              | 8 211             | 35.5              | 6 669                       |
| 2011         | 152 030              | 655.5             | 42 559              | 183.5             | 10 823                   | 46.7              | 16 513                                           | 71.2              | 9 081             | 39.2              | 6 726                       |
| 2012         | 153 823              | 661.0             | 43 665              | 187.6             | 11 061                   | 47.5              | 17 121                                           | 73.6              | 9 281             | 39.9              | 6 873                       |
| 2013         | 154 374              | 661.3             | 44 791              | 191.9             | 11 313                   | 48.5              | 17 694                                           | 75.8              | 9 438             | 40.4              | 6 619                       |
| 2014         | 162 886              | 696.0             | 46 093              | 196.9             | 11 733                   | 50.1              | 19 399                                           | 82.9              | 9 846             | 42.1              | 7 118                       |
| 2015         | 163 574              | 697.2             | 46 829              | 199.6             | 11 169                   | 47.6              | 19 202                                           | 81.8              | 9 530             | 40.6              | 7 033                       |
| 2016         | 172 418              | 733.2             | 47 760              | 203.1             | 11 846                   | 50.4              | 20 812                                           | 88.5              | 9 960             | 42.4              | 7 206                       |
| 2017         | 171 857              | 729.6             | 48 037              | 203.9             | 11 755                   | 49.9              | 20 644                                           | 87.6              | 9 845             | 41.8              | 6 965                       |
| By sex       |                      |                   |                     |                   |                          |                   |                                                  |                   |                   |                   |                             |
| Male         | 101 686              | 867.7             | 29 346              | 250.4             | 6 881                    | 58.7              | 12 043                                           | 102.8             | 4 934             | 42.1              | 4 923                       |
| Female       | 70 171               | 592.9             | 18 691              | 157.9             | 4 874                    | 41.2              | 8 601                                            | 72.7              | 4 911             | 41.5              | 2 042                       |

**Note:** 1. Data do not include Kinmen County and Lienchiang County before 1994.

2. Crude death rate is number of deaths per 100,000 population.

3. From 2008, the classification standards of leading causes of death are based on the tenth revision of the International Statistical Classification of Diseases and Related Health Problems (ICD) by the World Health Organization.

**Source:** Ministry of Health and Welfare

**Table 23. Number of deaths and crude death rates by leading causes (continued)**

Persons

| Year and sex | All causes of deaths              |                                        |                         |                  |                         |                                                   |                         |                          |                         |                                       |                         |
|--------------|-----------------------------------|----------------------------------------|-------------------------|------------------|-------------------------|---------------------------------------------------|-------------------------|--------------------------|-------------------------|---------------------------------------|-------------------------|
|              | Accidents<br>& adverse<br>effects | Chronic liver disease<br>and cirrhosis |                         | Pneumonia        |                         | Nephritis, nephrotic<br>syndrome and<br>nephrosis |                         | Hypertensive<br>diseases |                         | Chronic lower<br>respiratory diseases |                         |
|              | Crude<br>death<br>rates           | No. of<br>deaths                       | Crude<br>death<br>rates | No. of<br>deaths | Crude<br>death<br>rates | No. of<br>deaths                                  | Crude<br>death<br>rates | No. of<br>deaths         | Crude<br>death<br>rates | No. of<br>deaths                      | Crude<br>death<br>rates |
| 1952         | ...                               | 621                                    | 7.8                     | 10 516           | 131.5                   | 2 904                                             | 36.3                    | ...                      | ...                     | ...                                   | ...                     |
| 1971         | 42.6                              | 2 063                                  | 13.9                    | 4 414            | 29.8                    | 1 766                                             | 11.9                    | ...                      | ...                     | ...                                   | ...                     |
| 1981         | 64.6                              | 3 075                                  | 17.1                    | 2 833            | 15.8                    | 2 329                                             | 13.0                    | 3 146                    | 17.5                    | ...                                   | ...                     |
| 1991         | 66.7                              | 3 601                                  | 17.6                    | 2 644            | 12.9                    | 2 527                                             | 12.4                    | 2 492                    | 12.2                    | ...                                   | ...                     |
| 2001         | 42.6                              | 5 239                                  | 23.5                    | 3 746            | 16.8                    | 4 056                                             | 18.2                    | 1 766                    | 7.9                     | ...                                   | ...                     |
| 2008         | 30.8                              | 4 917                                  | 21.4                    | 8 661            | 37.7                    | 4 012                                             | 17.4                    | 3 507                    | 15.2                    | 5 374                                 | 23.4                    |
| 2009         | 31.9                              | 4 918                                  | 21.3                    | 8 358            | 36.2                    | 3 999                                             | 17.3                    | 3 721                    | 16.1                    | 4 955                                 | 21.5                    |
| 2010         | 28.8                              | 4 912                                  | 21.2                    | 8 909            | 38.5                    | 4 105                                             | 17.7                    | 4 174                    | 18.0                    | 5 197                                 | 22.5                    |
| 2011         | 29.0                              | 5 153                                  | 22.2                    | 9 047            | 39.0                    | 4 368                                             | 18.8                    | 4 631                    | 20.0                    | 5 984                                 | 25.8                    |
| 2012         | 29.5                              | 4 975                                  | 21.4                    | 9 314            | 40.0                    | 4 327                                             | 18.6                    | 4 986                    | 21.4                    | 6 326                                 | 27.2                    |
| 2013         | 28.4                              | 4 843                                  | 20.7                    | 9 042            | 38.7                    | 4 489                                             | 19.2                    | 5 033                    | 21.6                    | 5 959                                 | 25.5                    |
| 2014         | 30.4                              | 4 962                                  | 21.2                    | 10 353           | 44.2                    | 4 868                                             | 20.8                    | 5 459                    | 23.3                    | 6 428                                 | 27.5                    |
| 2015         | 30.0                              | 4 688                                  | 20.0                    | 10 761           | 45.9                    | 4 762                                             | 20.3                    | 5 536                    | 23.6                    | 6 383                                 | 27.2                    |
| 2016         | 30.6                              | 4 738                                  | 20.1                    | 12 212           | 51.9                    | 5 226                                             | 22.2                    | 5 881                    | 25.0                    | 6 787                                 | 28.9                    |
| 2017         | 29.6                              | 4 554                                  | 19.3                    | 12 480           | 53.0                    | 5 381                                             | 22.8                    | 6 072                    | 25.8                    | 6 260                                 | 26.6                    |
| By sex       |                                   |                                        |                         |                  |                         |                                                   |                         |                          |                         |                                       |                         |
| Male         | 42.0                              | 3 196                                  | 27.3                    | 7 557            | 64.5                    | 2 644                                             | 22.6                    | 3 090                    | 26.4                    | 4 486                                 | 38.3                    |
| Female       | 17.3                              | 1 358                                  | 11.5                    | 4 923            | 41.6                    | 2 737                                             | 23.1                    | 2 982                    | 25.2                    | 1 774                                 | 15.0                    |



**Table 24. Number of confirmed cases of notifiable diseases**

Persons

| Year | Tuberculosis | Invasive pneumococcal disease | Syphilis | HIV infection | AIDS  | Complicated influenza | Gonorrhea | Amoebiasis | Shigellosis |
|------|--------------|-------------------------------|----------|---------------|-------|-----------------------|-----------|------------|-------------|
| 1992 | ...          | ...                           | 2 847    | 149           | 22    | ...                   | ...       | 28         | 88          |
| 1996 | ...          | ...                           | 3 172    | 311           | 162   | ...                   | 121       | 7          | 256         |
| 2001 | 14 486       | ...                           | 4 237    | 689           | 165   | ...                   | 443       | 303        | 1 327       |
| 2006 | 15 378       | ...                           | 5 808    | 2 938         | 579   | 25                    | 1 437     | 125        | 139         |
| 2007 | 14 499       | 169                           | 5 798    | 1 975         | 1 072 | 26                    | 1 442     | 145        | 246         |
| 2008 | 14 424       | 805                           | 6 526    | 1 752         | 849   | 22                    | 1 621     | 227        | 90          |
| 2009 | 13 512       | 690                           | 6 668    | 1 648         | 930   | 1 134                 | 2 137     | 190        | 91          |
| 2010 | 13 393       | 737                           | 6 482    | 1 796         | 1 087 | 882                   | 2 265     | 262        | 172         |
| 2011 | 12 788       | 837                           | 6 372    | 1 967         | 1 075 | 1 481                 | 1 978     | 256        | 203         |
| 2012 | 12 478       | 749                           | 5 896    | 2 224         | 1 280 | 1 595                 | 1 983     | 258        | 155         |
| 2013 | 11 657       | 625                           | 6 346    | 2 244         | 1 430 | 965                   | 2 155     | 270        | 155         |
| 2014 | 11 438       | 587                           | 6 986    | 2 236         | 1 387 | 1 721                 | 2 622     | 300        | 132         |
| 2015 | 10 828       | 524                           | 7 471    | 2 327         | 1 440 | 857                   | 3 587     | 350        | 186         |
| 2016 | 10 440       | 592                           | 8 725    | 2 396         | 1 412 | 2 084                 | 4 469     | 314        | 225         |
| 2017 | 9 869        | 454                           | 9 835    | 2 514         | 1 390 | 1 359                 | 4 601     | 378        | 162         |

**Note:** Data do not include Kinmen County and Lienchiang County before 1993.**Source:** Centers for Disease Control, Ministry of Health and Welfare

**Table 24. Number of confirmed cases of notifiable diseases (continued)**

| Year | Persons         |                                                   |              |              |                       |                       |                         |           |                                                  |
|------|-----------------|---------------------------------------------------|--------------|--------------|-----------------------|-----------------------|-------------------------|-----------|--------------------------------------------------|
|      | Acute hepatitis | Enteroviruses infection with severe complications | Scrub typhus | Dengue fever | Legionnaires' disease | Japanese encephalitis | Acute flaccid paralysis | Pertussis | Invasive haemophilus influenzae type b infection |
| 1992 | ...             | ...                                               | 52           | 23           | ...                   | 10                    | -                       | ...       | ...                                              |
| 1996 | 560             | ...                                               | 156          | 53           | 44                    | 21                    | 83                      | 15        | ...                                              |
| 2001 | 769             | 393                                               | 235          | 270          | 40                    | 33                    | 101                     | 6         | 49                                               |
| 2006 | 613             | 11                                                | 384          | 1 074        | 56                    | 29                    | 66                      | 14        | 16                                               |
| 2007 | 581             | 12                                                | 510          | 2 179        | 56                    | 37                    | 51                      | 41        | 16                                               |
| 2008 | 631             | 373                                               | 492          | 714          | 69                    | 17                    | 74                      | 41        | 12                                               |
| 2009 | 545             | 29                                                | 353          | 1 052        | 84                    | 18                    | 45                      | 90        | 14                                               |
| 2010 | 344             | 16                                                | 402          | 1 896        | 102                   | 33                    | 49                      | 61        | 12                                               |
| 2011 | 323             | 59                                                | 322          | 1 702        | 97                    | 22                    | 45                      | 77        | 9                                                |
| 2012 | 249             | 153                                               | 460          | 1 478        | 88                    | 32                    | 51                      | 54        | 3                                                |
| 2013 | 260             | 12                                                | 538          | 860          | 115                   | 16                    | 25                      | 51        | 10                                               |
| 2014 | 453             | 6                                                 | 414          | 15 732       | 135                   | 18                    | 29                      | 78        | 4                                                |
| 2015 | 525             | 6                                                 | 494          | 43 784       | 153                   | 30                    | 19                      | 70        | 3                                                |
| 2016 | 1 476           | 33                                                | 488          | 743          | 114                   | 23                    | 41                      | 17        | 14                                               |
| 2017 | 858             | 24                                                | 422          | 343          | 188                   | 25                    | 61                      | 34        | 6                                                |

**Table 25. Daily nutrient consumption per capita**

| Year | Energy (1)<br>(Calories) | Protein<br>(Grams)                | Fat<br>(Grams)           | Carbohydrate<br>(Grams)    | Calcium<br>(Milligrams) | Phosphorus<br>(Milligrams)    |
|------|--------------------------|-----------------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|
| 1984 | 2 592.9                  | 78.8                              | 80.8                     | 379.1                      | 441.2                   | 1 190.6                       |
| 1991 | 2 925.3                  | 91.6                              | 114.3                    | 372.9                      | 580.8                   | 1 301.0                       |
| 1996 | 3 047.1                  | 98.3                              | 126.6                    | 366.9                      | 640.2                   | 1 355.8                       |
| 2001 | 2 867.3                  | 92.0                              | 117.0                    | 350.0                      | 571.9                   | 1 230.4                       |
| 2006 | 2 730.1                  | 80.7                              | 114.2                    | 337.5                      | 483.6                   | 1 077.7                       |
| 2007 | 2 749.5                  | 82.6                              | 114.8                    | 338.7                      | 473.3                   | 1 083.5                       |
| 2008 | 2 559.5                  | 76.3                              | 103.8                    | 322.6                      | 433.0                   | 1 004.1                       |
| 2009 | 2 652.8                  | 77.6                              | 107.5                    | 335.4                      | 459.7                   | 1 022.3                       |
| 2010 | 2 661.3                  | 78.3                              | 110.7                    | 329.0                      | 446.4                   | 1 023.2                       |
| 2011 | 2 655.7                  | 80.6                              | 107.6                    | 331.2                      | 463.9                   | 1 045.6                       |
| 2012 | 2 715.8                  | 80.5                              | 111.2                    | 337.8                      | 457.6                   | 1 040.6                       |
| 2013 | 2 635.7                  | 78.8                              | 103.7                    | 336.9                      | 457.1                   | 1 029.1                       |
| 2014 | 2 750.6                  | 80.7                              | 113.4                    | 342.0                      | 466.3                   | 1 054.1                       |
| 2015 | 2 806.8                  | 84.8                              | 115.3                    | 347.6                      | 509.1                   | 1 105.2                       |
| 2016 | 2 768.1                  | 83.4                              | 114.0                    | 341.7                      | 520.1                   | 1 096.5                       |
| Year | Iron<br>(Milligrams)     | Vitamin A<br>(International unit) | Thiamine<br>(Milligrams) | Riboflavin<br>(Milligrams) | Niacin<br>(Milligrams)  | Ascorbic acid<br>(Milligrams) |
| 1984 | 11.0                     | 7 460.1                           | 1.4                      | 1.1                        | 15.8                    | 134.2                         |
| 1991 | 12.9                     | 6 989.6                           | 1.6                      | 1.4                        | 15.6                    | 137.7                         |
| 1996 | 14.2                     | 7 845.0                           | 1.6                      | 1.5                        | 16.6                    | 142.5                         |
| 2001 | 12.4                     | 7 193.4                           | 1.5                      | 1.5                        | 15.9                    | 146.8                         |
| 2006 | 10.8                     | 8 996.1                           | 1.4                      | 1.4                        | 14.9                    | 151.3                         |
| 2007 | 10.7                     | 8 317.3                           | 1.4                      | 1.4                        | 14.9                    | 138.4                         |
| 2008 | 10.2                     | 8 194.6                           | 1.3                      | 1.2                        | 14.1                    | 138.0                         |
| 2009 | 10.4                     | 8 760.4                           | 1.3                      | 1.3                        | 14.3                    | 135.4                         |
| 2010 | 10.4                     | 8 548.8                           | 1.3                      | 1.3                        | 14.7                    | 141.7                         |
| 2011 | 10.7                     | 8 876.8                           | 1.3                      | 1.3                        | 14.9                    | 144.9                         |
| 2012 | 10.8                     | 9 260.1                           | 1.3                      | 1.3                        | 14.8                    | 138.2                         |
| 2013 | 10.6                     | 9 386.7                           | 1.3                      | 1.3                        | 14.4                    | 138.0                         |
| 2014 | 10.8                     | 9 771.4                           | 1.3                      | 1.3                        | 14.9                    | 138.5                         |
| 2015 | 11.4                     | 9 818.2                           | 1.4                      | 1.3                        | 14.7                    | 134.1                         |
| 2016 | 11.7                     | 10 150.0                          | 1.4                      | 1.3                        | 14.5                    | 132.2                         |

**Note:** (1)Including wine & beer**Source:** Council of Agriculture, Executive Yuan



**ENVIRONMENT**

Table 26. Emissions of greenhouse gases

10<sup>3</sup>M.T. CO<sub>2</sub> equivalent

| Year | Total   | Carbon<br>dioxide<br>(CO <sub>2</sub> ) | Per capita<br>(M. T. /<br>persons) | Methane<br>(CH <sub>4</sub> ) | Nitrous<br>oxide<br>(N <sub>2</sub> O) | Hydro fluoro-<br>carbons<br>(HFC <sub>s</sub> ) | Perfluoro-<br>carbons<br>(PFC <sub>s</sub> ) | Sulphur<br>hexafluoride<br>(SF <sub>6</sub> ) | Nitrogen<br>trifluoride<br>(NF <sub>3</sub> ) |
|------|---------|-----------------------------------------|------------------------------------|-------------------------------|----------------------------------------|-------------------------------------------------|----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| 1990 | 137 854 | 124 077                                 | 6.1                                | 10 882                        | 2 895                                  | ...                                             | ...                                          | ...                                           | ...                                           |
| 1991 | 147 847 | 133 543                                 | 6.5                                | 11 157                        | 3 148                                  | ...                                             | ...                                          | ...                                           | ...                                           |
| 1996 | 194 383 | 176 292                                 | 8.2                                | 13 539                        | 3 246                                  | 1 305                                           | ...                                          | ...                                           | ...                                           |
| 2001 | 252 620 | 230 022                                 | 10.3                               | 12 215                        | 3 845                                  | 2 619                                           | 2 939                                        | 746                                           | 235                                           |
| 2005 | 287 956 | 264 294                                 | 11.6                               | 9 949                         | 4 163                                  | 1 070                                           | 3 070                                        | 4 683                                         | 726                                           |
| 2006 | 296 193 | 273 688                                 | 12.0                               | 9 316                         | 4 699                                  | 987                                             | 3 264                                        | 3 590                                         | 650                                           |
| 2007 | 298 642 | 277 098                                 | 12.1                               | 8 821                         | 4 784                                  | 1 093                                           | 2 972                                        | 3 114                                         | 759                                           |
| 2008 | 282 043 | 263 999                                 | 11.5                               | 8 134                         | 4 372                                  | 1 046                                           | 1 682                                        | 2 644                                         | 166                                           |
| 2009 | 266 839 | 249 949                                 | 10.8                               | 7 515                         | 4 537                                  | 980                                             | 1 143                                        | 2 176                                         | 538                                           |
| 2010 | 284 271 | 267 700                                 | 11.6                               | 6 967                         | 4 943                                  | 934                                             | 1 354                                        | 2 155                                         | 219                                           |
| 2011 | 290 288 | 274 356                                 | 11.8                               | 6 576                         | 4 839                                  | 1 016                                           | 1 365                                        | 1 755                                         | 381                                           |
| 2012 | 285 071 | 270 480                                 | 11.6                               | 6 243                         | 4 759                                  | 869                                             | 725                                          | 1 647                                         | 349                                           |
| 2013 | 286 281 | 271 494                                 | 11.6                               | 5 859                         | 4 564                                  | 981                                             | 929                                          | 1 722                                         | 734                                           |
| 2014 | 286 239 | 271 899                                 | 11.6                               | 5 663                         | 4 545                                  | 1 010                                           | 1 139                                        | 1 355                                         | 627                                           |
| 2015 | 284 643 | 271 013                                 | 11.6                               | 5 449                         | 4 506                                  | 982                                             | 931                                          | 1 139                                         | 623                                           |

Source: Environmental Protection Administration, Executive Yuan

Table 27. Carbon dioxide emissions

10<sup>3</sup>M.T.

| Year | Total   | Energy use (fuel combustion only) by sectors |         |            |                |              |          |             | Industrial process and product use sector | Agricultural sector | Incineration of waste sector |
|------|---------|----------------------------------------------|---------|------------|----------------|--------------|----------|-------------|-------------------------------------------|---------------------|------------------------------|
|      |         | Subtotal                                     | Energy  | Industrial | Transportation | Agricultural | Services | Residential |                                           |                     |                              |
| 1990 | 124 077 | 109 491                                      | 49 118  | 30 154     | 19 646         | 2 946        | 3 621    | 4 005       | 14 424                                    | 142                 | 21                           |
| 1991 | 133 543 | 118 414                                      | 55 403  | 31 657     | 20 888         | 2 700        | 3 529    | 4 238       | 14 975                                    | 146                 | 8                            |
| 1996 | 176 292 | 158 104                                      | 81 519  | 36 051     | 29 801         | 2 805        | 3 175    | 4 754       | 17 651                                    | 151                 | 387                          |
| 2001 | 230 022 | 213 220                                      | 126 437 | 42 339     | 33 246         | 2 455        | 3 562    | 5 181       | 16 168                                    | 94                  | 540                          |
| 2005 | 264 294 | 246 007                                      | 153 821 | 43 460     | 36 846         | 2 627        | 4 231    | 5 023       | 17 877                                    | 62                  | 348                          |
| 2006 | 273 688 | 253 069                                      | 160 602 | 44 944     | 36 771         | 1 647        | 4 248    | 4 857       | 20 089                                    | 60                  | 470                          |
| 2007 | 277 098 | 256 720                                      | 164 428 | 46 711     | 35 419         | 1 091        | 4 192    | 4 879       | 19 758                                    | 58                  | 562                          |
| 2008 | 263 999 | 245 103                                      | 158 443 | 42 891     | 33 385         | 1 364        | 4 200    | 4 820       | 18 396                                    | 57                  | 443                          |
| 2009 | 249 949 | 233 439                                      | 148 936 | 40 792     | 33 711         | 998          | 4 226    | 4 775       | 16 300                                    | 56                  | 154                          |
| 2010 | 267 700 | 249 430                                      | 159 910 | 44 814     | 34 824         | 941          | 4 203    | 4 737       | 18 008                                    | 54                  | 208                          |
| 2011 | 274 356 | 255 320                                      | 163 547 | 46 768     | 35 293         | 937          | 3 962    | 4 813       | 18 835                                    | 53                  | 149                          |
| 2012 | 270 480 | 251 138                                      | 161 112 | 45 755     | 34 502         | 1 041        | 3 958    | 4 770       | 19 139                                    | 55                  | 149                          |
| 2013 | 271 494 | 251 962                                      | 160 260 | 47 395     | 34 472         | 1 009        | 4 177    | 4 649       | 19 334                                    | 45                  | 153                          |
| 2014 | 271 899 | 254 367                                      | 165 815 | 43 497     | 34 951         | 1 076        | 4 412    | 4 616       | 17 346                                    | 40                  | 146                          |
| 2015 | 271 013 | 253 921                                      | 164 694 | 43 198     | 35 759         | 1 098        | 4 496    | 4 675       | 16 952                                    | 38                  | 103                          |

Source: 1. Environmental Protection Administration, Executive Yuan

2. Bureau of Energy, Ministry of Economic Affairs

Table 28. Air quality index

| Year | Measurement days (Station day) |              |                    |                                                 |                              |                              | Percentage of measurement days (%) |                |                      |                                                 |                      |
|------|--------------------------------|--------------|--------------------|-------------------------------------------------|------------------------------|------------------------------|------------------------------------|----------------|----------------------|-------------------------------------------------|----------------------|
|      | Total                          | Good<br>0-50 | Moderate<br>51-100 | Unhealthy<br>101-199                            | Very<br>unhealthy<br>200-299 | Hazardous<br>≥300            | Good<br>0-50                       | Good<br>51-100 | Unhealthy<br>101-199 | Very<br>unhealthy<br>200-299                    |                      |
| 1984 | 2 421                          | 438          | 1 585              | 132                                             | 232                          | 34                           | -                                  | 18.09          | 18.09                | 9.58                                            |                      |
| 1991 | 6 907                          | 1 131        | 4 654              | 1 087                                           | 33                           | 2                            | 16.37                              | 67.38          | 15.74                | 0.48                                            |                      |
| 1996 | 20 692                         | 8 209        | 11 123             | 1 351                                           | 9                            | -                            | 39.67                              | 53.76          | 6.53                 | 0.04                                            |                      |
| 2001 | 20 699                         | 8 985        | 11 011             | 703                                             | -                            | -                            | 43.41                              | 53.20          | 3.40                 | -                                               |                      |
| 2006 | 20 760                         | 8 578        | 11 319             | 863                                             | -                            | -                            | 41.32                              | 54.52          | 4.16                 | -                                               |                      |
| 2008 | 20 779                         | 8 737        | 11 425             | 615                                             | 1                            | 1                            | 42.05                              | 54.98          | 2.96                 | 0.00                                            |                      |
| 2009 | 20 799                         | 8 262        | 11 864             | 660                                             | 7                            | 6                            | 39.72                              | 57.04          | 3.17                 | 0.03                                            |                      |
| 2010 | 20 771                         | 9 059        | 11 262             | 380                                             | 14                           | 56                           | 43.61                              | 54.22          | 1.83                 | 0.07                                            |                      |
| 2011 | 20 721                         | 9 208        | 11 228             | 285                                             | -                            | -                            | 44.44                              | 54.19          | 1.38                 | -                                               |                      |
| 2012 | 21 788                         | 10 474       | 11 105             | 208                                             | 1                            | -                            | 48.07                              | 50.97          | 0.95                 | 0.00                                            |                      |
| 2013 | 21 758                         | 9 493        | 11 933             | 332                                             | -                            | -                            | 43.63                              | 54.84          | 1.53                 | -                                               |                      |
| 2014 | 21 884                         | 9 838        | 11 758             | 288                                             | -                            | -                            | 44.96                              | 53.73          | 1.32                 | -                                               |                      |
| 2015 | 21 869                         | 11 298       | 10 441             | 130                                             | -                            | -                            | 51.66                              | 47.74          | 0.59                 | -                                               |                      |
| 2016 | 21 935                         | 12 312       | 9 458              | 165                                             | -                            | -                            | 56.13                              | 43.12          | 0.75                 | -                                               |                      |
| Year | Measurement days (Station day) |              |                    |                                                 |                              |                              | Percentage of measurement days (%) |                |                      |                                                 |                      |
|      | Total                          | Good<br>0-50 | Moderate<br>51-100 | Unhealthy<br>for Sensitive<br>Groups<br>101-150 | Unhealthy<br>151-200         | Very<br>Unhealthy<br>201-300 | Hazardous<br>301-500               | Good<br>0-50   | Moderate<br>51-100   | Unhealthy<br>for Sensitive<br>Groups<br>101-150 | Unhealthy<br>151-200 |
| 2017 | 21 876                         | 8 690        | 9 231              | 3 334                                           | 610                          | 11                           | -                                  | 39.72          | 42.20                | 15.24                                           | 2.79                 |

**Note:** 1. The data are edited according to the auto-monitoring stations of general air quality monitoring stations; general air quality monitoring stations are 55 station: from 1994, 57 stations from 1996 and 60 stations from 2012.

2. The data are "Pollutant standards index" (PSI) before 2017.

**Source:** Environmental Protection Administration, Executive Yuan



**Table 28. Air quality index (continued)**

| Year | % of measurement days (%) |                   | Measurement days with PSI>100 by maximum index pollutant (Station day) |       |                                          |                                       |                                    |                  |                |                 |                 |
|------|---------------------------|-------------------|------------------------------------------------------------------------|-------|------------------------------------------|---------------------------------------|------------------------------------|------------------|----------------|-----------------|-----------------|
|      | Hazardous >=300           |                   | Total                                                                  |       | PM <sub>10</sub>                         | SO <sub>2</sub>                       | PM <sub>10</sub> × SO <sub>2</sub> | CO               | O <sub>3</sub> | NO <sub>2</sub> |                 |
| 1984 | 1.40                      |                   | 398                                                                    | 16.44 | 296                                      | 12                                    | 1                                  | 75               | 13             | 1               |                 |
| 1991 | 0.03                      |                   | 1 122                                                                  | 16.24 | 901                                      | 37                                    | -                                  | 146              | 37             | 1               |                 |
| 1996 | -                         |                   | 1 360                                                                  | 6.57  | 829                                      | -                                     | -                                  | -                | 531            | -               |                 |
| 2001 | -                         |                   | 703                                                                    | 3.40  | 259                                      | -                                     | -                                  | -                | 444            | -               |                 |
| 2006 | -                         |                   | 863                                                                    | 4.16  | 352                                      | -                                     | -                                  | -                | 511            | -               |                 |
| 2008 | 0.00                      |                   | 617                                                                    | 2.97  | 248                                      | -                                     | -                                  | -                | 369            | -               |                 |
| 2009 | 0.03                      |                   | 673                                                                    | 3.24  | 262                                      | -                                     | -                                  | -                | 411            | -               |                 |
| 2010 | 0.27                      |                   | 450                                                                    | 2.17  | 239                                      | -                                     | -                                  | -                | 211            | -               |                 |
| 2011 | -                         |                   | 285                                                                    | 1.38  | 88                                       | -                                     | -                                  | -                | 197            | -               |                 |
| 2012 | -                         |                   | 209                                                                    | 0.96  | 29                                       | -                                     | -                                  | -                | 180            | -               |                 |
| 2013 | -                         |                   | 332                                                                    | 1.53  | 177                                      | -                                     | -                                  | -                | 155            | -               |                 |
| 2014 | -                         |                   | 288                                                                    | 1.32  | 102                                      | -                                     | -                                  | -                | 186            | -               |                 |
| 2015 | -                         |                   | 130                                                                    | 0.59  | 22                                       | -                                     | -                                  | -                | 108            | -               |                 |
| 2016 | -                         |                   | 165                                                                    | 0.75  | 12                                       | -                                     | -                                  | -                | 153            | -               |                 |
| Year | % of measurement days (%) |                   | Measurement days with AQI>100 by maximum index pollutant (Station day) |       |                                          |                                       |                                    |                  |                |                 |                 |
|      | Very Unhealthy 201-300    | Hazardous 301-500 | Total                                                                  |       | O <sub>3</sub> (Maximum 8 hours average) | O <sub>3</sub> (Maximum hourly value) | PM <sub>2.5</sub>                  | PM <sub>10</sub> | CO             | SO <sub>2</sub> | NO <sub>2</sub> |
| 2017 | 0.05                      | -                 | 3 955                                                                  | 18.08 | 1 563                                    | 3                                     | 2 355                              | 34               | -              | -               | -               |



## **JUSTICE AND PUBLIC SAFETY**

**Table 29. Summary of filings and dispositions of cases in the Judicial Yuan & its subordinate organs**

Cases, Days

| Year | Total                           |           | Judicial Yuan                                          |                                                       |                                 |        |                                                          |                                                       |
|------|---------------------------------|-----------|--------------------------------------------------------|-------------------------------------------------------|---------------------------------|--------|----------------------------------------------------------|-------------------------------------------------------|
|      |                                 |           | Interpretation of Justices of the Constitutional Court |                                                       | Private citizen petition cases  |        | Compensation for wrongful detention and executions cases |                                                       |
|      | Lodged                          | Closed    | Lodged                                                 | Closed                                                | Lodged                          | Closed | Lodged                                                   | Closed                                                |
| 1981 | 1 290 506                       | 1 227 127 | 118                                                    | 100                                                   | 3 735                           | 3 667  | -                                                        | -                                                     |
| 1991 | 1 853 737                       | 1 745 311 | 350                                                    | 297                                                   | 4 297                           | 4 248  | -                                                        | -                                                     |
| 1996 | 2 801 156                       | 2 520 678 | 430                                                    | 292                                                   | 3 587                           | 3 453  | -                                                        | -                                                     |
| 2001 | 3 234 339                       | 2 975 331 | 327                                                    | 214                                                   | 4 686                           | 4 552  | -                                                        | -                                                     |
| 2006 | 3 429 938                       | 3 219 003 | 500                                                    | 351                                                   | 5 207                           | 5 141  | -                                                        | -                                                     |
| 2008 | 3 488 886                       | 3 252 760 | 624                                                    | 425                                                   | 5 572                           | 5 461  | 492                                                      | 344                                                   |
| 2009 | 3 252 296                       | 3 043 267 | 680                                                    | 434                                                   | 6 284                           | 6 220  | 724                                                      | 586                                                   |
| 2010 | 3 128 642                       | 2 943 204 | 787                                                    | 561                                                   | 7 548                           | 7 399  | 364                                                      | 315                                                   |
| 2011 | 3 113 674                       | 2 934 477 | 793                                                    | 498                                                   | 7 395                           | 7 304  | 208                                                      | 177                                                   |
| 2012 | 3 269 430                       | 3 076 297 | 913                                                    | 570                                                   | 7 469                           | 7 417  | 222                                                      | 178                                                   |
| 2013 | 3 237 377                       | 3 048 492 | 896                                                    | 544                                                   | 6 244                           | 6 166  | 176                                                      | 146                                                   |
| 2014 | 3 262 888                       | 3 054 895 | 840                                                    | 522                                                   | 8 046                           | 7 951  | 110                                                      | 88                                                    |
| 2015 | 3 243 982                       | 3 027 534 | 745                                                    | 385                                                   | 9 417                           | 9 321  | 99                                                       | 78                                                    |
| 2016 | 3 350 833                       | 3 118 323 | 827                                                    | 452                                                   | 7 373                           | 7 207  | 83                                                       | 70                                                    |
| 2017 | 3 353 319                       | 3 106 710 | 872                                                    | 356                                                   | 8 011                           | 7 865  | 70                                                       | 57                                                    |
| Year | Supreme Administrative Court    |           |                                                        |                                                       | High Administrative Courts      |        |                                                          |                                                       |
|      | Administrative litigation cases |           |                                                        |                                                       | Administrative litigation cases |        |                                                          |                                                       |
|      | Lodged                          | Closed    | Average no. of days to close a case                    | Average no. of cases closed by each justice per month | Lodged                          | Closed | Average no. of days to close a case                      | Average no. of cases closed by each justice per month |
| 1981 | 2 764                           | 2 134     | 127.81                                                 | 15.46                                                 | -                               | -      | -                                                        | -                                                     |
| 1991 | 4 282                           | 3 774     | 57.76                                                  | 20.40                                                 | -                               | -      | -                                                        | -                                                     |
| 1996 | 6 388                           | 5 311     | 79.05                                                  | 23.60                                                 | -                               | -      | -                                                        | -                                                     |
| 2001 | 8 199                           | 3 845     | 505.15                                                 | 24.92                                                 | 45 673                          | 39 274 | 132.94                                                   | 115.92                                                |
| 2006 | 11 438                          | 5 237     | 377.54                                                 | 23.33                                                 | 14 582                          | 9 824  | 228.28                                                   | 22.98                                                 |
| 2008 | 10 245                          | 6 791     | 251.46                                                 | 32.90                                                 | 11 607                          | 8 917  | 179.52                                                   | 22.12                                                 |
| 2009 | 7 976                           | 5 147     | 296.13                                                 | 23.18                                                 | 9 471                           | 7 160  | 150.37                                                   | 17.91                                                 |
| 2010 | 7 878                           | 5 268     | 244.54                                                 | 22.61                                                 | 8 892                           | 6 909  | 135.71                                                   | 17.13                                                 |
| 2011 | 6 466                           | 5 603     | 206.05                                                 | 19.35                                                 | 8 514                           | 6 385  | 138.51                                                   | 16.58                                                 |
| 2012 | 4 858                           | 4 356     | 80.22                                                  | 15.45                                                 | 7 697                           | 6 065  | 144.73                                                   | 14.39                                                 |
| 2013 | 3 564                           | 3 071     | 71.74                                                  | 11.45                                                 | 6 493                           | 4 700  | 155.74                                                   | 10.77                                                 |
| 2014 | 3 793                           | 3 055     | 69.06                                                  | 11.96                                                 | 7 098                           | 5 158  | 152.50                                                   | 12.04                                                 |
| 2015 | 4 492                           | 3 797     | 72.34                                                  | 15.61                                                 | 7 473                           | 5 280  | 156.73                                                   | 11.81                                                 |
| 2016 | 4 503                           | 3 123     | 92.46                                                  | 15.16                                                 | 7 910                           | 5 657  | 164.82                                                   | 12.71                                                 |
| 2017 | 5 124                           | 3 871     | 115.46                                                 | 21.11                                                 | 7 704                           | 5 340  | 170.93                                                   | 11.81                                                 |

Source: Judicial Yuan

**Table 29. Summary of filings and dispositions of cases in the Judicial Yuan & its subordinate organs (continued)**

Cases, Days

| Year | Public Functionary Disciplinary Sanction Commission |                                                       |                                     |                                                            | Intellectual Property Court         |                                                       |                                     |                                                       |                                     |                                                       |
|------|-----------------------------------------------------|-------------------------------------------------------|-------------------------------------|------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|-------------------------------------|-------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
|      | Adjudication cases                                  |                                                       |                                     |                                                            | Civil cases                         |                                                       |                                     |                                                       | Criminal cases                      |                                                       |
|      | Lodged                                              | Closed                                                | Average no. of days to close a case | Average no. of cases closed by each commissioner per month | Lodged                              | Closed                                                | Average no. of days to close a case | Average no. of cases closed by each justice per month | Lodged                              | Closed                                                |
| 1981 | 84                                                  | 70                                                    | 64.69                               | 5.83                                                       | -                                   | -                                                     | -                                   | -                                                     | -                                   | -                                                     |
| 1991 | 288                                                 | 248                                                   | 39.04                               | 20.67                                                      | -                                   | -                                                     | -                                   | -                                                     | -                                   | -                                                     |
| 1996 | 577                                                 | 512                                                   | 52.13                               | 42.67                                                      | -                                   | -                                                     | -                                   | -                                                     | -                                   | -                                                     |
| 2001 | 477                                                 | 415                                                   | 57.66                               | 34.58                                                      | -                                   | -                                                     | -                                   | -                                                     | -                                   | -                                                     |
| 2006 | 608                                                 | 542                                                   | 51.62                               | 45.17                                                      | -                                   | -                                                     | -                                   | -                                                     | -                                   | -                                                     |
| 2008 | 678                                                 | 609                                                   | 38.72                               | 50.75                                                      | 275                                 | 148                                                   | 52.22                               | -                                                     | 175                                 | 107                                                   |
| 2009 | 745                                                 | 678                                                   | 40.07                               | 56.50                                                      | 876                                 | 617                                                   | 120.03                              | 17.13                                                 | 435                                 | 334                                                   |
| 2010 | 721                                                 | 665                                                   | 36.07                               | 55.42                                                      | 1 316                               | 981                                                   | 167.45                              | 19.49                                                 | 450                                 | 346                                                   |
| 2011 | 743                                                 | 681                                                   | 34.26                               | 56.75                                                      | 1 032                               | 758                                                   | 214.39                              | 13.86                                                 | 457                                 | 374                                                   |
| 2012 | 708                                                 | 662                                                   | 34.84                               | 55.17                                                      | 1 063                               | 763                                                   | 216.19                              | 10.97                                                 | 416                                 | 344                                                   |
| 2013 | 720                                                 | 665                                                   | 33.05                               | 55.42                                                      | 1 030                               | 698                                                   | 225.07                              | 14.08                                                 | 375                                 | 307                                                   |
| 2014 | 707                                                 | 661                                                   | 29.91                               | 55.08                                                      | 1 047                               | 703                                                   | 226.65                              | 12.46                                                 | 354                                 | 281                                                   |
| 2015 | 1 456                                               | 1 297                                                 | 25.89                               | 108.08                                                     | 1 004                               | 690                                                   | 267.68                              | 11.82                                                 | 327                                 | 254                                                   |
| 2016 | 683                                                 | 639                                                   | 28.89                               | 53.25                                                      | 919                                 | 652                                                   | 243.21                              | 11.07                                                 | 343                                 | 261                                                   |
| 2017 | 291                                                 | 241                                                   | 55.78                               | 20.08                                                      | 938                                 | 637                                                   | 228.35                              | 10.30                                                 | 320                                 | 237                                                   |
| Year | Intellectual Property Court                         |                                                       |                                     |                                                            |                                     |                                                       | Supreme Court                       |                                                       |                                     |                                                       |
|      | Criminal cases                                      |                                                       | Administrative litigation cases     |                                                            |                                     |                                                       | Civil cases                         |                                                       |                                     |                                                       |
|      | Average no. of days to close a case                 | Average no. of cases closed by each justice per month | Lodged                              | Closed                                                     | Average no. of days to close a case | Average no. of cases closed by each justice per month | Lodged                              | Closed                                                | Average no. of days to close a case | Average no. of cases closed by each justice per month |
| 1981 | -                                                   | -                                                     | -                                   | -                                                          | -                                   | -                                                     | 6 980                               | 6 028                                                 | ...                                 | ...                                                   |
| 1991 | -                                                   | -                                                     | -                                   | -                                                          | -                                   | -                                                     | 4 882                               | 4 495                                                 | 22.38                               | 22.25                                                 |
| 1996 | -                                                   | -                                                     | -                                   | -                                                          | -                                   | -                                                     | 7 338                               | 4 962                                                 | 61.96                               | 18.73                                                 |
| 2001 | -                                                   | -                                                     | -                                   | -                                                          | -                                   | -                                                     | 7 011                               | 4 279                                                 | 46.27                               | 17.05                                                 |
| 2006 | -                                                   | -                                                     | -                                   | -                                                          | -                                   | -                                                     | 6 216                               | 5 098                                                 | 35.32                               | 19.36                                                 |
| 2008 | 61.78                                               | -                                                     | 244                                 | 109                                                        | 98.60                               | -                                                     | 6 021                               | 5 178                                                 | 29.46                               | 20.23                                                 |
| 2009 | 88.96                                               | 17.00                                                 | 567                                 | 413                                                        | 130.27                              | 16.94                                                 | 6 141                               | 5 228                                                 | 25.96                               | 21.01                                                 |
| 2010 | 113.21                                              | 18.62                                                 | 614                                 | 443                                                        | 140.35                              | 18.90                                                 | 6 074                               | 5 167                                                 | 24.02                               | 21.17                                                 |
| 2011 | 110.39                                              | 13.80                                                 | 510                                 | 402                                                        | 146.72                              | 13.59                                                 | 6 174                               | 5 056                                                 | 24.84                               | 23.11                                                 |
| 2012 | 83.52                                               | 10.55                                                 | 454                                 | 308                                                        | 141.31                              | 10.77                                                 | 6 871                               | 5 205                                                 | 26.07                               | 22.62                                                 |
| 2013 | 97.64                                               | 7.10                                                  | 471                                 | 345                                                        | 150.01                              | 7.01                                                  | 7 400                               | 5 600                                                 | 31.78                               | 20.33                                                 |
| 2014 | 102.06                                              | 6.17                                                  | 420                                 | 288                                                        | 157.52                              | 6.27                                                  | 7 642                               | 5 987                                                 | 39.69                               | 19.25                                                 |
| 2015 | 125.10                                              | 6.00                                                  | 445                                 | 288                                                        | 185.50                              | 6.00                                                  | 7 915                               | 5 763                                                 | 45.08                               | 20.32                                                 |
| 2016 | 116.12                                              | 5.70                                                  | 435                                 | 284                                                        | 194.08                              | 5.70                                                  | 8 772                               | 5 470                                                 | 39.37                               | 20.09                                                 |
| 2017 | 131.43                                              | 6.82                                                  | 450                                 | 262                                                        | 218.25                              | 4.49                                                  | 9 559                               | 6 089                                                 | 39.91                               | 21.29                                                 |

**Table 29. Summary of filings and dispositions of cases in the Judicial Yuan & its subordinate organs (continued)**

Cases, Days

| Year | Supreme Court                  |                                     |                                                       |                                                       | High Courts and their branches |                 |                                     |                                                       |                                                       |
|------|--------------------------------|-------------------------------------|-------------------------------------------------------|-------------------------------------------------------|--------------------------------|-----------------|-------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
|      | Criminal cases                 |                                     |                                                       |                                                       | Civil cases                    |                 |                                     |                                                       | Criminal cases                                        |
|      | Lodged                         | Closed                              | Average no. of days to close a case                   | Average no. of cases closed by each justice per month | Lodged                         | Closed          | Average no. of days to close a case | Average no. of cases closed by each justice per month | Lodged                                                |
| 1981 | 9 842                          | 8 457                               | ...                                                   | ...                                                   | 19 764                         | 16 805          | 84.01                               | ...                                                   | 54 312                                                |
| 1991 | 8 310                          | 7 915                               | 15.28                                                 | 19.50                                                 | 15 631                         | 12 927          | 98.08                               | 17.03                                                 | 63 695                                                |
| 1996 | 11 316                         | 7 803                               | 26.98                                                 | 20.18                                                 | 23 185                         | 18 152          | 108.74                              | 18.60                                                 | 55 136                                                |
| 2001 | 16 928                         | 9 516                               | 38.52                                                 | 19.25                                                 | 27 629                         | 21 031          | 130.31                              | 18.89                                                 | 51 467                                                |
| 2006 | 13 547                         | 8 654                               | 34.68                                                 | 18.78                                                 | 19 491                         | 14 152          | 161.86                              | 12.95                                                 | 44 508                                                |
| 2008 | 14 110                         | 8 820                               | 30.89                                                 | 20.48                                                 | 20 153                         | 15 085          | 151.97                              | 14.02                                                 | 55 923                                                |
| 2009 | 13 920                         | 9 484                               | 26.43                                                 | 20.98                                                 | 20 195                         | 14 754          | 149.86                              | 13.00                                                 | 49 623                                                |
| 2010 | 13 057                         | 10 061                              | 25.17                                                 | 20.53                                                 | 20 737                         | 14 788          | 150.67                              | 12.55                                                 | 46 782                                                |
| 2011 | 11 304                         | 9 110                               | 27.07                                                 | 19.78                                                 | 21 826                         | 15 481          | 160.67                              | 12.30                                                 | 45 524                                                |
| 2012 | 9 726                          | 8 608                               | 28.95                                                 | 17.22                                                 | 22 736                         | 16 311          | 172.45                              | 12.04                                                 | 43 148                                                |
| 2013 | 7 997                          | 7 172                               | 32.06                                                 | 14.64                                                 | 22 667                         | 15 594          | 169.45                              | 11.40                                                 | 39 662                                                |
| 2014 | 7 093                          | 6 229                               | 28.63                                                 | 13.80                                                 | 25 145                         | 17 195          | 174.95                              | 11.97                                                 | 37 789                                                |
| 2015 | 6 689                          | 5 577                               | 30.75                                                 | 13.60                                                 | 27 293                         | 19 240          | 186.72                              | 12.78                                                 | 36 539                                                |
| 2016 | 6 640                          | 4 975                               | 30.96                                                 | 13.37                                                 | 26 843                         | 19 023          | 187.96                              | 12.19                                                 | 36 472                                                |
| 2017 | 7 504                          | 5 431                               | 29.16                                                 | 14.21                                                 | 25 988                         | 18 162          | 185.08                              | 11.56                                                 | 38 553                                                |
| Year | High Courts and their branches |                                     |                                                       |                                                       |                                | District Courts |                                     |                                                       |                                                       |
|      | Criminal cases                 |                                     |                                                       | Public defense cases                                  |                                | Civil cases (1) |                                     |                                                       |                                                       |
|      | Closed                         | Average no. of days to close a case | Average no. of cases closed by each justice per month | Lodged                                                | Closed                         | Lodged          | Closed                              | Average no. of days to close a case                   | Average no. of cases closed by each justice per month |
| 1981 | 50 015                         | 51.65                               | ...                                                   | 2 174                                                 | 2 008                          | 208 075         | 204 152                             | 32.98                                                 | ...                                                   |
| 1991 | 59 273                         | 53.39                               | 45.70                                                 | 3 744                                                 | 3 366                          | 391 880         | 382 503                             | 41.93                                                 | 185.47                                                |
| 1996 | 48 412                         | 70.61                               | 33.59                                                 | 6 274                                                 | 5 539                          | 823 165         | 801 264                             | 53.95                                                 | 294.71                                                |
| 2001 | 44 540                         | 84.40                               | 28.12                                                 | 4 700                                                 | 3 941                          | 1 906 314       | 1 725 693                           | 111.12                                                | 340.42                                                |
| 2006 | 37 876                         | 83.90                               | 25.38                                                 | 6 830                                                 | 5 189                          | 2 649 650       | 2 502 737                           | 56.09                                                 | 378.10                                                |
| 2008 | 50 637                         | 67.47                               | 31.86                                                 | 5 780                                                 | 4 603                          | 2 648 682       | 2 478 656                           | 45.13                                                 | 209.96                                                |
| 2009 | 44 431                         | 62.53                               | 26.04                                                 | 5 200                                                 | 3 998                          | 2 456 011       | 2 306 952                           | 47.55                                                 | 110.06                                                |
| 2010 | 41 545                         | 68.10                               | 23.60                                                 | 5 384                                                 | 4 313                          | 2 370 999       | 2 246 271                           | 41.77                                                 | 84.40                                                 |
| 2011 | 40 452                         | 68.92                               | 21.85                                                 | 4 882                                                 | 3 933                          | 2 374 933       | 2 256 792                           | 33.83                                                 | 71.89                                                 |
| 2012 | 38 384                         | 73.58                               | 20.56                                                 | 4 446                                                 | 3 489                          | 2 543 963       | 2 414 450                           | 31.51                                                 | 73.04                                                 |
| 2013 | 35 192                         | 78.53                               | 18.40                                                 | 4 641                                                 | 3 714                          | 2 530 089       | 2 405 047                           | 31.07                                                 | 70.43                                                 |
| 2014 | 33 526                         | 82.24                               | 17.56                                                 | 4 503                                                 | 3 536                          | 2 530 852       | 2 392 584                           | 30.46                                                 | 67.25                                                 |
| 2015 | 32 355                         | 74.19                               | 17.75                                                 | 4 069                                                 | 3 206                          | 2 465 361       | 2 325 681                           | 32.59                                                 | 65.65                                                 |
| 2016 | 31 887                         | 75.42                               | 17.97                                                 | 3 526                                                 | 2 747                          | 2 552 684       | 2 405 796                           | 31.35                                                 | 66.05                                                 |
| 2017 | 33 355                         | 80.92                               | 18.81                                                 | 3 621                                                 | 2 759                          | 2 545 111       | 2 389 013                           | 33.13                                                 | 67.91                                                 |

**Note:** (1) Excluding the compulsory execution cases before 1997

**Table 29. Summary of filings and dispositions of cases in the Judicial Yuan & its subordinate organs (continued)**

Cases, Days

| Year | District Courts                      |              |                                     |                                                       |                            |                |                   |                                    |                                      |
|------|--------------------------------------|--------------|-------------------------------------|-------------------------------------------------------|----------------------------|----------------|-------------------|------------------------------------|--------------------------------------|
|      | Criminal cases                       |              |                                     |                                                       | Compulsory execution cases |                | Financial rulings |                                    | Financial compulsory execution cases |
|      | Lodged                               | Closed       | Average no. of days to close a case | Average no. of cases closed by each justice per month | Lodged                     | Closed         | Lodged            | Closed                             | Lodged                               |
| 1981 | 214 079                              | 205 969      | 28.96                               | ...                                                   | 73 969                     | 68 291         | 51 938            | 51 602                             | 437 023                              |
| 1991 | 241 034                              | 223 832      | 51.44                               | 83.45                                                 | 115 923                    | 107 659        | 80 442            | 79 929                             | 488 150                              |
| 1996 | 298 672                              | 269 648      | 66.96                               | 63.97                                                 | 220 597                    | 183 890        | 836               | 832                                | 639 911                              |
| 2001 | 372 350                              | 328 747      | 94.84                               | 65.25                                                 | 452 344                    | 327 238        | 414               | 390                                | 281 389                              |
| 2006 | 377 951                              | 343 635      | 66.90                               | 63.47                                                 | 748 253                    | 669 416        | -                 | -                                  | -                                    |
| 2008 | 483 632                              | 441 365      | 61.68                               | 75.37                                                 | 1 179 899                  | 1 079 471      | -                 | -                                  | -                                    |
| 2009 | 482 020                              | 444 492      | 61.46                               | 69.66                                                 | 1 137 896                  | 1 048 772      | -                 | -                                  | -                                    |
| 2010 | 477 261                              | 437 693      | 57.86                               | 66.97                                                 | 1 208 541                  | 1 139 161      | -                 | -                                  | -                                    |
| 2011 | 483 053                              | 441 075      | 59.61                               | 64.45                                                 | 1 280 133                  | 1 219 188      | -                 | -                                  | -                                    |
| 2012 | 476 036                              | 431 196      | 62.42                               | 60.45                                                 | 1 361 697                  | 1 299 043      | -                 | -                                  | -                                    |
| 2013 | 456 686                              | 412 273      | 64.11                               | 56.14                                                 | 1 369 452                  | 1 311 609      | -                 | -                                  | -                                    |
| 2014 | 479 193                              | 429 826      | 62.56                               | 56.96                                                 | 1 397 338                  | 1 330 652      | -                 | -                                  | -                                    |
| 2015 | 514 896                              | 460 261      | 66.52                               | 60.35                                                 | 1 362 760                  | 1 299 123      | -                 | -                                  | -                                    |
| 2016 | 527 386                              | 466 444      | 71.72                               | 60.87                                                 | 1 428 321                  | 1 364 218      | -                 | -                                  | -                                    |
| 2017 | 543 059                              | 478 703      | 77.53                               | 63.15                                                 | 1 389 353                  | 1 321 438      | -                 | -                                  | -                                    |
| Year | District Courts                      |              |                                     |                                                       |                            |                |                   |                                    |                                      |
|      | Financial compulsory execution cases | Notarization |                                     | Lodgment                                              |                            | Public defense |                   | Juvenile probation cases (Persons) |                                      |
|      | Closed                               | Lodged       | Closed                              | Lodged                                                | Closed                     | Lodged         | Closed            | Lodged                             | Closed                               |
| 1981 | 402 300                              | 163 284      | 163 281                             | 40 610                                                | 40 610                     | 1 755          | 1 638             | 39 059                             | 23 757                               |
| 1991 | 425 252                              | 347 747      | 347 746                             | 74 936                                                | 74 927                     | 8 146          | 6 920             | 65 077                             | 44 132                               |
| 1996 | 466 141                              | 623 967      | 623 967                             | 86 051                                                | 86 039                     | 15 410         | 11 495            | 83 424                             | 59 045                               |
| 2001 | 281 389                              | 400 824      | 400 824                             | 110 651                                               | 110 622                    | 11 475         | 6 869             | 60 949                             | 39 195                               |
| 2006 | -                                    | 156 582      | 156 157                             | 129 658                                               | 129 599                    | 17 407         | 11 658            | 42 247                             | 28 797                               |
| 2008 | -                                    | 124 510      | 124 271                             | 105 943                                               | 105 837                    | 21 678         | 17 161            | 45 232                             | 30 670                               |
| 2009 | -                                    | 116 657      | 116 509                             | 79 971                                                | 79 828                     | 18 496         | 14 544            | 46 581                             | 31 748                               |
| 2010 | -                                    | 107 949      | 107 682                             | 57 213                                                | 57 110                     | 15 318         | 10 838            | 46 026                             | 30 581                               |
| 2011 | -                                    | 99 197       | 98 956                              | 45 545                                                | 45 373                     | 17 634         | 12 906            | 52 448                             | 35 286                               |
| 2012 | -                                    | 95 896       | 95 749                              | 45 099                                                | 44 793                     | 18 325         | 14 119            | 58 587                             | 39 589                               |
| 2013 | -                                    | 99 249       | 99 085                              | 47 019                                                | 46 876                     | 18 650         | 13 738            | 58 721                             | 39 125                               |
| 2014 | -                                    | 95 569       | 95 424                              | 50 328                                                | 50 210                     | 18 169         | 12 986            | 54 220                             | 34 932                               |
| 2015 | -                                    | 95 226       | 95 118                              | 49 725                                                | 49 483                     | 17 935         | 12 280            | 52 263                             | 33 842                               |
| 2016 | -                                    | 93 430       | 93 311                              | 57 100                                                | 56 999                     | 18 614         | 12 577            | 49 320                             | 31 951                               |
| 2017 | -                                    | 90 566       | 90 478                              | 48 081                                                | 47 913                     | 19 978         | 14 348            | 48 582                             | 31 225                               |

Table 30. Fire fighting

| Year | The equipment of fire fighting (1) |                                                |                                |                                                      |                |                                           | Inspection of fire safety (3) |                    | Fires accidents          |
|------|------------------------------------|------------------------------------------------|--------------------------------|------------------------------------------------------|----------------|-------------------------------------------|-------------------------------|--------------------|--------------------------|
|      | No. of firemen (2) (Persons)       | No. of firemen per 10,000 population (Persons) | No. of fire engines (Vehicles) | No. of fire engines per 10,000 population (Vehicles) | Hydrant (Sets) | No. of hydrant per 1,000 household (Sets) | Cases (Cases)                 | Qualified rate (%) | No. of fires (Times) (4) |
| 1981 | 17 501                             | 9.7                                            | 1 060                          | 0.58                                                 | 32 356         | 8.28                                      | -                             | -                  | 9 260                    |
| 1991 | 22 065                             | 10.7                                           | 1 425                          | 0.69                                                 | 62 061         | 11.87                                     | -                             | -                  | 7 742                    |
| 1996 | 26 487                             | 12.3                                           | 1 734                          | 0.81                                                 | 81 073         | 13.46                                     | 602 077                       | 94.1               | 13 309                   |
| 2001 | 34 679                             | 15.5                                           | 1 956                          | 0.88                                                 | 102 254        | 15.03                                     | 347 355                       | 89.8               | 13 750                   |
| 2006 | 41 074                             | 18.0                                           | 2 110                          | 0.92                                                 | 121 146        | 16.38                                     | 287 416                       | 90.5               | 4 332                    |
| 2008 | 42 915                             | 18.7                                           | 2 179                          | 0.95                                                 | 127 572        | 16.66                                     | 310 730                       | 90.1               | 2 886                    |
| 2009 | 44 226                             | 19.2                                           | 2 198                          | 0.95                                                 | 131 465        | 16.84                                     | 303 229                       | 89.0               | 2 621                    |
| 2010 | 46 179                             | 20.0                                           | 2 173                          | 0.94                                                 | 134 708        | 16.97                                     | 302 257                       | 88.8               | 2 186                    |
| 2011 | 45 366                             | 19.6                                           | 2 191                          | 0.94                                                 | 137 661        | 17.08                                     | 327 519                       | 85.4               | 1 772                    |
| 2012 | 46 618                             | 20.0                                           | 2 307                          | 0.99                                                 | 140 061        | 17.11                                     | 317 605                       | 86.1               | 1 574                    |
| 2013 | 48 302                             | 20.7                                           | 2 336                          | 1.00                                                 | 141 384        | 17.06                                     | 335 436                       | 86.9               | 1 451                    |
| 2014 | 48 958                             | 20.9                                           | 2 374                          | 1.01                                                 | 149 283        | 17.81                                     | 325 367                       | 86.0               | 1 417                    |
| 2015 | 50 556                             | 21.5                                           | 2 382                          | 1.02                                                 | 151 158        | 17.85                                     | 317 309                       | 85.3               | 1 704                    |
| 2016 | 52 186                             | 22.2                                           | 2 448                          | 1.04                                                 | 154 798        | 18.08                                     | 294 250                       | 85.6               | 1 856                    |
| 2017 | 55 572                             | 23.6                                           | 2 534                          | 1.08                                                 | 159 302        | 18.42                                     | 298 220                       | 86.9               | 30 464                   |

**Note:** In the table, the data excluding inspection of fire safety do not include Kinmen County and Lienchiang County before 1997.

(1) The data is end of year.

(2) Including voluntary fire fighters

(3) It was executed after implementing "Maintaining Public Safety Projects" in June, 1993.

(4) According to the new system of fire statistics in 2017, the range of fire statistics was enlarged.

**Source:** National Fire Agency, MOI



**Table 30. Fire fighting (continued)**

| Year | Fire accidents                           |                              |        |         |                                                 |                                             |                                        | Emergency medical services<br>(119 services) |                                                             |
|------|------------------------------------------|------------------------------|--------|---------|-------------------------------------------------|---------------------------------------------|----------------------------------------|----------------------------------------------|-------------------------------------------------------------|
|      | Average no.<br>of fires a day<br>(Times) | Deaths and injured (Persons) |        |         | Burn-out &<br>damaged<br>vehicles<br>(Vehicles) | Burn-out &<br>damaged<br>houses<br>(Houses) | Estimated<br>losses<br>(Millions NT\$) | Times of call<br>volume<br>(Times)           | No. of persons<br>rescued in<br>emergency<br>(Person-times) |
|      |                                          | Total                        | Deaths | Injured |                                                 |                                             |                                        |                                              |                                                             |
| 1981 | 25.37                                    | 427                          | 157    | 270     | ...                                             | 1 777                                       | 1 773                                  | ...                                          | ...                                                         |
| 1991 | 21.21                                    | 874                          | 250    | 624     | ...                                             | 1 680                                       | 3 002                                  | 164 070                                      | 116 430                                                     |
| 1996 | 36.46                                    | 1 057                        | 275    | 782     | ...                                             | 2 020                                       | 2 815                                  | 277 830                                      | 200 877                                                     |
| 2001 | 37.67                                    | 1 040                        | 234    | 806     | 3 583                                           | 2 844                                       | 15 563                                 | 464 941                                      | 343 076                                                     |
| 2006 | 11.87                                    | 596                          | 125    | 471     | 1 458                                           | 1 489                                       | 1 559                                  | 691 964                                      | 537 707                                                     |
| 2008 | 7.89                                     | 405                          | 101    | 304     | 1 066                                           | 1 252                                       | 1 475                                  | 752 823                                      | 609 506                                                     |
| 2009 | 7.18                                     | 415                          | 117    | 298     | 1 373                                           | 1 292                                       | 759                                    | 811 914                                      | 662 924                                                     |
| 2010 | 5.99                                     | 391                          | 83     | 308     | 729                                             | 1 278                                       | 1 688                                  | 918 882                                      | 749 126                                                     |
| 2011 | 4.85                                     | 385                          | 97     | 288     | 567                                             | 1 029                                       | 553                                    | 1 003 981                                    | 817 927                                                     |
| 2012 | 4.30                                     | 428                          | 142    | 286     | 614                                             | 907                                         | 694                                    | 1 014 909                                    | 826 076                                                     |
| 2013 | 3.98                                     | 281                          | 92     | 189     | 627                                             | 1 204                                       | 533                                    | 1 016 637                                    | 826 839                                                     |
| 2014 | 3.88                                     | 368                          | 124    | 244     | 658                                             | 1 263                                       | 436                                    | 1 078 727                                    | 878 849                                                     |
| 2015 | 4.67                                     | 850                          | 117    | 733     | 802                                             | 1 477                                       | 531                                    | 1 100 264                                    | 891 562                                                     |
| 2016 | 5.07                                     | 430                          | 169    | 261     | 836                                             | 1 568                                       | 459                                    | 1 117 523                                    | 906 603                                                     |
| 2017 | 83.46                                    | 480                          | 178    | 302     | 2 060                                           | 5 614                                       | 691                                    | 1 100 323                                    | 891 508                                                     |

**Table 31. All kinds of illegal cases and the number of offenders**

| Year | Criminal cases (1)                |                       |                     |                                 |                    |                                      | Violent crime                     |                       |                     | Larceny (1)                       |                       |                     |
|------|-----------------------------------|-----------------------|---------------------|---------------------------------|--------------------|--------------------------------------|-----------------------------------|-----------------------|---------------------|-----------------------------------|-----------------------|---------------------|
|      | Cases known to the police (Cases) | Cases cleared (Cases) | Offenders (Persons) | Crime rate (Cases/100,000 pop.) | Clearance rate (%) | Offender rate (Persons/100,000 pop.) | Cases known to the police (Cases) | Cases cleared (Cases) | Offenders (Persons) | Cases known to the police (Cases) | Cases cleared (Cases) | Offenders (Persons) |
| 1946 | 20 977                            | 14 437                | 18 081              | ...                             | 68.8               | ...                                  | ...                               | ...                   | ...                 | 9 654                             | 7 146                 | 8 326               |
| 1971 | 36 013                            | 30 401                | 30 927              | 242.8                           | 84.4               | 208.5                                | ...                               | ...                   | ...                 | 19 614                            | 14 101                | 11 735              |
| 1981 | 51 292                            | 43 240                | 43 612              | 285.4                           | 84.3               | 242.7                                | 3 557                             | 3 071                 | 4 103               | 28 918                            | 21 574                | 17 774              |
| 1991 | 304 141                           | 191 492               | 145 442             | 1 486.9                         | 63.0               | 711.0                                | 8 683                             | 7 864                 | 9 435               | 225 976                           | 114 401               | 31 631              |
| 2001 | 490 736                           | 271 128               | 180 527             | 2 196.6                         | 55.3               | 808.1                                | 14 327                            | 8 584                 | 9 595               | 338 063                           | 154 811               | 40 178              |
| 2008 | 453 439                           | 350 497               | 271 186             | 1 971.7                         | 77.3               | 1 179.2                              | 8 117                             | 6 493                 | 6 843               | 209 351                           | 133 823               | 42 364              |
| 2009 | 386 075                           | 311 648               | 261 973             | 1 672.9                         | 80.7               | 1 135.1                              | 6 764                             | 5 726                 | 6 139               | 155 151                           | 102 224               | 35 585              |
| 2010 | 371 934                           | 296 500               | 269 340             | 1 607.3                         | 79.7               | 1 163.9                              | 5 312                             | 4 684                 | 5 365               | 142 774                           | 92 076                | 37 554              |
| 2011 | 347 674                           | 276 371               | 260 356             | 1 499.0                         | 79.5               | 1 122.5                              | 4 190                             | 3 943                 | 4 929               | 116 831                           | 77 627                | 36 278              |
| 2012 | 317 356                           | 266 512               | 262 058             | 1 363.8                         | 84.0               | 1 126.1                              | 3 461                             | 3 355                 | 4 527               | 100 264                           | 70 369                | 37 059              |
| 2013 | 298 967                           | 258 802               | 255 310             | 1 280.7                         | 86.6               | 1 093.7                              | 2 525                             | 2 456                 | 3 052               | 82 496                            | 60 436                | 33 468              |
| 2014 | 306 300                           | 263 515               | 261 603             | 1 308.8                         | 86.0               | 1 117.8                              | 2 289                             | 2 234                 | 2 825               | 76 330                            | 59 223                | 34 574              |
| 2015 | 297 800                           | 273 567               | 269 296             | 1 269.2                         | 91.9               | 1 147.8                              | 1 956                             | 2 008                 | 2 522               | 66 255                            | 55 055                | 33 913              |
| 2016 | 294 831                           | 274 091               | 272 817             | 1 253.8                         | 93.0               | 1 160.1                              | 1 627                             | 1 656                 | 2 208               | 57 606                            | 48 898                | 31 543              |
| 2017 | 293 453                           | 277 506               | 287 294             | 1 245.8                         | 94.6               | 1 219.7                              | 1 260                             | 1 293                 | 1 910               | 52 025                            | 46 022                | 32 204              |

**Note:** Data do not include Kinmen County and Lienchiang County before 1996.

(1) It doesn't include motorcycle theft before 1985.

**Source:** National Police Agency, MOI

**Table 31. All kinds of illegal cases and the number of offenders (continued)**

| Year | Automobile theft<br>(Cases)     |                  | Fraudulent, breach<br>of trust<br>(Cases) |                  | Homicide<br>(Cases)             |                  | Robbery, snatch<br>and grab<br>(Cases) |                  | Category one<br>narcotics<br>(Cases, persons) |           | Category two<br>narcotics<br>(Cases, persons) |           |
|------|---------------------------------|------------------|-------------------------------------------|------------------|---------------------------------|------------------|----------------------------------------|------------------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|
|      | Cases<br>known to<br>the police | Cases<br>cleared | Cases<br>known to<br>the police           | Cases<br>cleared | Cases<br>known to<br>the police | Cases<br>cleared | Cases<br>known to<br>the police        | Cases<br>cleared | Cases<br>known to<br>the police               | Offenders | Cases<br>known to<br>the police               | Offenders |
| 1946 | 9 654                           | 7 146            | 1 876                                     | 1 032            | 36                              | 36               | 15                                     | 14               | 21                                            | 25        | ...                                           | ...       |
| 1971 | 19 614                          | 14 101           | 1 530                                     | 1 522            | 1 658                           | 1 623            | 450                                    | 415              | 617                                           | 799       | ...                                           | ...       |
| 1981 | 4 647                           | 2 355            | 1 204                                     | 1 168            | 1 267                           | 1 186            | 1 274                                  | 960              | 98                                            | 136       | 2 798                                         | 4 400     |
| 1991 | 28 975                          | 11 777           | 1 036                                     | 978              | 1 854                           | 1 733            | 3 385                                  | 2 794            | 2 467                                         | 3 549     | 14                                            | 21        |
| 2001 | 51 377                          | 33 709           | 16 082                                    | 2 665            | 1 201                           | 1 089            | 10 959                                 | 5 527            | 11 902                                        | 15 390    | 14 275                                        | 18 590    |
| 2008 | 28 508                          | 19 723           | 41 219                                    | 35 098           | 922                             | 906              | 4 925                                  | 3 373            | 33 785                                        | 33 378    | 18 019                                        | 18 550    |
| 2009 | 19 697                          | 13 243           | 39 152                                    | 35 990           | 935                             | 913              | 3 799                                  | 2 856            | 24 280                                        | 25 092    | 19 713                                        | 21 025    |
| 2010 | 17 106                          | 11 269           | 28 900                                    | 25 123           | 836                             | 833              | 2 557                                  | 2 026            | 19 504                                        | 20 238    | 27 694                                        | 29 334    |
| 2011 | 11 385                          | 8 062            | 24 076                                    | 18 195           | 804                             | 795              | 1 661                                  | 1 433            | 17 435                                        | 18 361    | 26 968                                        | 28 550    |
| 2012 | 8 577                           | 6 414            | 20 936                                    | 16 399           | 744                             | 743              | 1 275                                  | 1 207            | 15 661                                        | 16 488    | 26 021                                        | 27 682    |
| 2013 | 6 535                           | 4 878            | 19 534                                    | 13 447           | 551                             | 551              | 1 001                                  | 947              | 12 675                                        | 13 320    | 24 687                                        | 26 555    |
| 2014 | 6 363                           | 5 016            | 23 813                                    | 15 751           | 561                             | 559              | 835                                    | 805              | 11 495                                        | 12 129    | 24 625                                        | 26 337    |
| 2015 | 5 638                           | 4 721            | 21 825                                    | 18 520           | 522                             | 518              | 740                                    | 756              | 13 355                                        | 14 449    | 33 463                                        | 35 785    |
| 2016 | 4 500                           | 3 822            | 23 994                                    | 20 565           | 465                             | 459              | 643                                    | 668              | 13 991                                        | 14 970    | 39 097                                        | 41 642    |
| 2017 | 3 086                           | 2 729            | 23 623                                    | 21 667           | 451                             | 446              | 523                                    | 554              | 13 905                                        | 14 905    | 42 501                                        | 45 334    |

**Table 31. All kinds of illegal cases and the number of offenders (continued)**

| Year | Child offenders     |                                      | Juvenile offenders  |                                      | Violation of copyright law |                     | Violation of the trademark law |                     | Violation of the law for maintaining social order (Cases) | Disturbance of the peace | Violation of moral order |
|------|---------------------|--------------------------------------|---------------------|--------------------------------------|----------------------------|---------------------|--------------------------------|---------------------|-----------------------------------------------------------|--------------------------|--------------------------|
|      | Offenders (Persons) | Offender rate (Persons/100,000 pop.) | Offenders (Persons) | Offender rate (Persons/100,000 pop.) | No. of cases (Cases)       | Offenders (Persons) | No. of cases (Cases)           | Offenders (Persons) |                                                           |                          |                          |
| 1946 | ...                 | ...                                  | ...                 | ...                                  | ...                        | ...                 | ...                            | ...                 | 9 269                                                     | 1 753                    | 3 342                    |
| 1971 | ...                 | ...                                  | ...                 | ...                                  | ...                        | ...                 | ...                            | ...                 | 122 896                                                   | 49 225                   | 39 142                   |
| 1981 | 913                 | 19.9                                 | 11 038              | 472.5                                | 1                          | 1                   | 124                            | 128                 | 87 916                                                    | 46 939                   | 35 421                   |
| 1991 | 1 351               | 31.6                                 | 25 472              | 1 106.8                              | 1 782                      | 1 604               | 274                            | 267                 | 21 676                                                    | 16 230                   | 5 367                    |
| 2001 | 533                 | 14.3                                 | 16 939              | 849.0                                | 4 264                      | 4 961               | 637                            | 811                 | 8 545                                                     | 3 398                    | 5 103                    |
| 2008 | 472                 | 15.8                                 | 11 283              | 582.2                                | 2 762                      | 3 117               | 2 834                          | 3 104               | 10 966                                                    | 4 545                    | 6 354                    |
| 2009 | 452                 | 15.7                                 | 10 762              | 556.4                                | 2 419                      | 2 722               | 2 661                          | 2 873               | 8 257                                                     | 3 467                    | 4 720                    |
| 2010 | 472                 | 17.1                                 | 11 102              | 581.1                                | 2 003                      | 2 269               | 2 833                          | 3 123               | 7 325                                                     | 3 552                    | 3 639                    |
| 2011 | 537                 | 20.1                                 | 13 103              | 703.5                                | 2 185                      | 2 550               | 3 306                          | 3 603               | 6 382                                                     | 3 458                    | 2 792                    |
| 2012 | 623                 | 24.0                                 | 15 078              | 822.7                                | 2 043                      | 2 379               | 3 133                          | 3 439               | 7 476                                                     | 3 798                    | 3 532                    |
| 2013 | 609                 | 24.1                                 | 12 038              | 672.1                                | 2 201                      | 2 266               | 3 352                          | 3 699               | 7 329                                                     | 3 085                    | 4 119                    |
| 2014 | 579                 | 23.3                                 | 10 969              | 637.9                                | 2 066                      | 2 251               | 2 764                          | 2 886               | 6 324                                                     | 2 591                    | 3 581                    |
| 2015 | 478                 | 19.4                                 | 11 002              | 673.3                                | 2 128                      | 2 364               | 2 755                          | 2 863               | 5 237                                                     | 1 155                    | 3 861                    |
| 2016 | 440                 | 17.9                                 | 9 775               | 625.8                                | 2 371                      | 2 438               | 2 610                          | 2 712               | 4 841                                                     | 926                      | 3 440                    |
| 2017 | 448                 | 18.3                                 | 10 499              | 699.8                                | 2 616                      | 2 652               | 2 087                          | 2 182               | 4 919                                                     | 959                      | 3 186                    |

## **SOCIAL WELFARE**

Table 32. Net expenditure for social welfare

| Fiscal Year | Net expenditures for social welfare by general government<br>(Thousand NT\$) |                  |                                             |                                                         |
|-------------|------------------------------------------------------------------------------|------------------|---------------------------------------------|---------------------------------------------------------|
|             | Total                                                                        | Social insurance | Social relief                               | Welfare service                                         |
| 1966        | 1 123 853                                                                    | ...              | ...                                         | ...                                                     |
| 1971        | 5 682 995                                                                    | ...              | ...                                         | ...                                                     |
| 1981        | 16 549 485                                                                   | ...              | ...                                         | ...                                                     |
| 1991        | 117 771 908                                                                  | 33 378 237       | 13 581 114                                  | 46 373 817                                              |
| 2001        | 396 980 708                                                                  | 201 574 123      | 39 016 143                                  | 126 861 977                                             |
| 2008        | 368 136 275                                                                  | 147 650 876      | 25 558 545                                  | 158 274 828                                             |
| 2009        | 388 561 948                                                                  | 189 263 236      | 24 142 594                                  | 136 715 713                                             |
| 2010        | 415 356 194                                                                  | 203 081 916      | 30 835 106                                  | 138 618 928                                             |
| 2011        | 446 921 628                                                                  | 225 292 952      | 31 161 163                                  | 147 751 355                                             |
| 2012        | 540 440 045                                                                  | 303 471 755      | 36 627 757                                  | 162 095 606                                             |
| 2013        | 536 911 718                                                                  | 321 010 987      | 36 177 655                                  | 140 920 087                                             |
| 2014        | 517 142 825                                                                  | 294 119 857      | 22 018 031                                  | 161 606 551                                             |
| 2015        | 532 095 640                                                                  | 310 802 728      | 21 060 639                                  | 160 343 862                                             |
| 2016        | 548 538 121                                                                  | 327 253 815      | 20 990 292                                  | 160 176 950                                             |
| 2017        | 563 429 518                                                                  | 340 900 853      | 20 009 317                                  | 160 624 305                                             |
| Fiscal Year | Net expenditures for social welfare by general government<br>(Thousand NT\$) |                  | As a % of government<br>expenditures<br>(%) | Net benefit from social<br>welfare per capita<br>(NT\$) |
|             | Employment<br>service                                                        | Public health    |                                             |                                                         |
| 1966        | ...                                                                          | ...              | 4.7                                         | 88                                                      |
| 1971        | ...                                                                          | ...              | 10.9                                        | 383                                                     |
| 1981        | ...                                                                          | ...              | 3.9                                         | 918                                                     |
| 1991        | 2 851 351                                                                    | 21 587 389       | 9.2                                         | 5 744                                                   |
| 2001        | 2 899 722                                                                    | 26 628 743       | 17.5                                        | 17 769                                                  |
| 2008        | 2 252 153                                                                    | 34 399 873       | 15.7                                        | 16 008                                                  |
| 2009        | 2 741 980                                                                    | 35 698 425       | 14.5                                        | 16 837                                                  |
| 2010        | 4 783 718                                                                    | 38 036 526       | 16.2                                        | 17 949                                                  |
| 2011        | 5 317 036                                                                    | 37 399 122       | 17.1                                        | 19 269                                                  |
| 2012        | 3 387 609                                                                    | 34 857 318       | 20.2                                        | 23 224                                                  |
| 2013        | 2 981 731                                                                    | 35 821 258       | 20.1                                        | 22 999                                                  |
| 2014        | 2 672 719                                                                    | 36 725 667       | 19.5                                        | 22 097                                                  |
| 2015        | 2 876 776                                                                    | 37 011 635       | 20.1                                        | 22 706                                                  |
| 2016        | 2 842 204                                                                    | 37 274 860       | 20.0                                        | 23 303                                                  |
| 2017        | 2 877 384                                                                    | 39 017 659       | 20.3                                        | 23 919                                                  |

**Note:** Before 2003, the figures are final audit accounts; since 2003, the figures are final account.

**Source:** 1. Ministry of Finance  
2. National Audit Office

**Table 33. Low-income families and living assistance**

| End of Year | Low-income families (1) (Households, Persons) |         |            |         |            |         |            |         | As a % of<br>total<br>households<br>(%) | As a % of<br>total<br>population<br>(%) |
|-------------|-----------------------------------------------|---------|------------|---------|------------|---------|------------|---------|-----------------------------------------|-----------------------------------------|
|             | Total                                         |         | Class 1    |         | Class 2    |         | Class 3    |         |                                         |                                         |
|             | Households                                    | Persons | Households | Persons | Households | Persons | Households | Persons |                                         |                                         |
| 1981        | 31 038                                        | 113 440 | ...        | ...     | ...        | ...     | ...        | ...     | 0.80                                    | 0.63                                    |
| 1991        | 42 665                                        | 116 225 | 12 012     | 15 326  | 14 818     | 48 089  | 15 835     | 52 810  | 0.82                                    | 0.56                                    |
| 1996        | 49 307                                        | 115 542 | 7 855      | 9 533   | 17 884     | 42 738  | 23 568     | 63 271  | 0.82                                    | 0.54                                    |
| 2001        | 67 191                                        | 162 699 | 4 132      | 4 761   | 22 461     | 49 876  | 40 598     | 108 062 | 0.99                                    | 0.73                                    |
| 2006        | 89 900                                        | 218 166 | 4 214      | 4 472   | 21 073     | 47 168  | 64 613     | 166 526 | 1.22                                    | 0.95                                    |
| 2008        | 93 032                                        | 223 697 | 4 308      | 4 540   | 21 324     | 46 748  | 67 400     | 172 409 | 1.22                                    | 0.97                                    |
| 2009        | 105 265                                       | 256 342 | 4 253      | 4 451   | 23 447     | 50 811  | 77 565     | 201 080 | 1.35                                    | 1.11                                    |
| 2010        | 112 200                                       | 273 361 | 4 085      | 4 271   | 24 201     | 51 788  | 83 914     | 217 302 | 1.41                                    | 1.18                                    |
| 2011        | 128 237                                       | 314 282 | 4 253      | 4 482   | 26 999     | 56 295  | 96 985     | 253 505 | 1.59                                    | 1.35                                    |
| 2012        | 145 613                                       | 357 446 | 4 364      | 4 582   | 31 095     | 63 984  | 110 154    | 288 880 | 1.78                                    | 1.53                                    |
| 2013        | 148 590                                       | 361 765 | 4 520      | 4 698   | 32 656     | 64 022  | 111 414    | 293 045 | 1.79                                    | 1.55                                    |
| 2014        | 149 958                                       | 357 722 | 4 243      | 4 389   | 33 053     | 61 779  | 112 662    | 291 554 | 1.79                                    | 1.53                                    |
| 2015        | 146 379                                       | 342 490 | 3 902      | 4 032   | 32 662     | 57 917  | 109 815    | 280 541 | 1.73                                    | 1.46                                    |
| 2016        | 145 176                                       | 331 776 | 3 533      | 3 653   | 33 216     | 56 516  | 108 427    | 271 607 | 1.70                                    | 1.41                                    |
| 2017        | 142 814                                       | 317 257 | 3 328      | 3 448   | 32 748     | 53 142  | 106 738    | 260 667 | 1.65                                    | 1.35                                    |

**Note:** (1) Data do not include Kinmen County and Lienchiang County before 1982. The new "Public Assistance Act" shall take effect on the 1st of July 2011.

In addition to the upward revision of minimum monthly income, brothers and sisters are excluded from the scope of number of members living in the household.

**Source:** Ministry of Health and Welfare

Table 33. Low-income families and living assistance (continued)

10 Thousand NT\$

| Year | Living support<br>(2) |                        |         | Student living<br>assistance |         | Work relief<br>(2)  |        | Education subsidies<br>(2) |        | Primary festival<br>grants |        |
|------|-----------------------|------------------------|---------|------------------------------|---------|---------------------|--------|----------------------------|--------|----------------------------|--------|
|      | Times of<br>persons   | Times of<br>households | Amount  | Times of<br>persons          | Amount  | Times of<br>persons | Amount | Times of<br>persons        | Amount | Times of<br>households     | Amount |
| 1981 | ...                   | ...                    | 21 833  | ...                          | ...     | ...                 | ...    | ...                        | ...    | ...                        | ...    |
| 1991 | ...                   | ...                    | 51 390  | ...                          | ...     | ...                 | ...    | ...                        | ...    | ...                        | ...    |
| 1996 | 481 464               | ...                    | 194 612 | 81 436                       | 33 954  | 48 891              | 59 434 | 11 161                     | 1 895  | ...                        | 16 541 |
| 2001 | 591 145               | 230 327                | 270 147 | 143 303                      | 59 604  | 40 047              | 51 354 | 12 644                     | 2 373  | ...                        | 21 186 |
| 2006 | 821 714               | 228 512                | 306 091 | 271 072                      | 108 912 | 41 460              | 57 449 | 15 639                     | 3 942  | 251 916                    | 31 370 |
| 2008 | 805 134               | 233 183                | 329 514 | 314 127                      | 141 812 | 40 613              | 56 885 | 20 076                     | 3 635  | 242 155                    | 27 813 |
| 2009 | 962 455               | 260 348                | 417 514 | 402 322                      | 201 940 | 42 446              | 58 803 | 8 176                      | 1 569  | 264 677                    | 27 826 |
| 2010 | 1 066 300             | 268 877                | 442 886 | 416 203                      | 207 061 | 43 367              | 57 010 | 10 391                     | 3 798  | 305 877                    | 31 622 |
| 2011 | 1 120 856             | 270 893                | 460 079 | 496 156                      | 251 285 | 34 594              | 48 862 | 15 423                     | 5 619  | 256 877                    | 29 782 |
| 2012 | 1 316 404             | 327 166                | 625 468 | 598 615                      | 353 331 | 27 621              | 41 524 | 20 485                     | 7 033  | 266 439                    | 36 132 |
| 2013 | 1 360 970             | 352 852                | 648 918 | 695 024                      | 409 786 | 26 929              | 39 871 | 28 481                     | 8 240  | 408 212                    | 43 169 |
| 2014 | 1 292 475             | 349 305                | 626 175 | 689 307                      | 406 765 | 23 985              | 37 309 | 34 975                     | 9 956  | 460 818                    | 52 063 |
| 2015 | 1 201 568             | 337 163                | 605 253 | 646 749                      | 380 865 | 23 685              | 37 159 | 30 780                     | 9 044  | 357 820                    | 54 343 |
| 2016 | 1 177 215             | 357 436                | 615 896 | 633 747                      | 381 342 | 21 779              | 34 798 | 7 398                      | 4 027  | 461 885                    | 59 464 |
| 2017 | 1 055 006             | 345 382                | 580 772 | 577 471                      | 352 491 | 21 038              | 34 714 | 15 743                     | 4 835  | 411 849                    | 55 979 |

Note: (2) Data do not include Kinmen County and Lienchiang County before 1996.



**Table 34. General situation of national health insurance**

| End of Year | No. of beneficiaries<br>(1,000 Persons)    | Contracted medical care institutions (No.) |                           |                                       |
|-------------|--------------------------------------------|--------------------------------------------|---------------------------|---------------------------------------|
|             |                                            | Total                                      | Medical care institutions | Western med. hospitals<br>and clinics |
| 1995        | 19 123                                     | 15 662                                     | 14 599                    | 8 262                                 |
| 1996        | 20 041                                     | 18 338                                     | 15 429                    | 8 755                                 |
| 2001        | 21 654                                     | 20 071                                     | 16 558                    | 8 821                                 |
| 2006        | 22 484                                     | 23 207                                     | 18 289                    | 9 660                                 |
| 2007        | 22 803                                     | 23 478                                     | 18 540                    | 9 795                                 |
| 2008        | 22 918                                     | 23 874                                     | 18 829                    | 9 910                                 |
| 2009        | 23 026                                     | 24 423                                     | 19 077                    | 10 032                                |
| 2010        | 23 074                                     | 25 031                                     | 19 388                    | 10 191                                |
| 2011        | 23 199                                     | 25 747                                     | 19 763                    | 10 360                                |
| 2012        | 23 281                                     | 26 317                                     | 20 058                    | 10 504                                |
| 2013        | 23 463                                     | 26 823                                     | 20 324                    | 10 594                                |
| 2014        | 23 622                                     | 27 332                                     | 20 603                    | 10 703                                |
| 2015        | 23 737                                     | 27 728                                     | 20 762                    | 10 729                                |
| 2016        | 23 815                                     | 27 995                                     | 20 857                    | 10 736                                |
| 2017        | 23 880                                     | 28 339                                     | 21 080                    | 10 824                                |
| End of Year | Contracted medical care institutions (No.) |                                            |                           |                                       |
|             | Medical care institutions                  |                                            | Others                    | Pharmacies                            |
|             | Chinese med. Hospitals<br>and clinics      | Dental clinics                             |                           |                                       |
| 1995        | 1 722                                      | 4 615                                      | 1 063                     | 804                                   |
| 1996        | 1 815                                      | 4 859                                      | 2 909                     | 2 608                                 |
| 2001        | 2 269                                      | 5 468                                      | 3 513                     | 2 860                                 |
| 2006        | 2 723                                      | 5 906                                      | 4 918                     | 4 036                                 |
| 2007        | 2 794                                      | 5 951                                      | 4 938                     | 4 061                                 |
| 2008        | 2 888                                      | 6 031                                      | 5 045                     | 4 180                                 |
| 2009        | 2 957                                      | 6 088                                      | 5 346                     | 4 446                                 |
| 2010        | 3 024                                      | 6 173                                      | 5 643                     | 4 706                                 |
| 2011        | 3 140                                      | 6 263                                      | 5 984                     | 5 037                                 |
| 2012        | 3 205                                      | 6 349                                      | 6 259                     | 5 284                                 |
| 2013        | 3 288                                      | 6 442                                      | 6 499                     | 5 513                                 |
| 2014        | 3 391                                      | 6 509                                      | 6 729                     | 5 737                                 |
| 2015        | 3 468                                      | 6 565                                      | 6 966                     | 5 950                                 |
| 2016        | 3 526                                      | 6 595                                      | 7 138                     | 6 107                                 |
| 2017        | 3 594                                      | 6 662                                      | 7 259                     | 6 203                                 |

**Note:** The national health insurance was implemented in March, 1995.

**Source:** National Health Insurance Administration, Ministry of Health and Welfare

**Table 34. General situation of national health insurance (continued)**

| Year | Medical benefit claims (1,000 Cases, Million points, Days) |               |                            |                      |                                                                       | Average insured amount of the insured for category 1 to 3 (1) (NT\$) |
|------|------------------------------------------------------------|---------------|----------------------------|----------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|
|      | Outpatient                                                 |               | Inpatient                  |                      |                                                                       |                                                                      |
|      | Cases                                                      | Points        | Cases                      | Points               | Average length of stay                                                |                                                                      |
| 1995 | 201 905                                                    | 106 923       | 1 173                      | 36 395               | 9.41                                                                  | 20 691                                                               |
| 1996 | 272 744                                                    | 149 793       | 2 349                      | 75 005               | 9.03                                                                  | 21 877                                                               |
| 2001 | 313 947                                                    | 206 918       | 2 815                      | 104 629              | 8.83                                                                  | 25 693                                                               |
| 2006 | 330 043                                                    | 277 212       | 2 913                      | 146 259              | 9.92                                                                  | 30 066                                                               |
| 2007 | 337 600                                                    | 289 373       | 2 970                      | 150 890              | 10.02                                                                 | 31 427                                                               |
| 2008 | 341 017                                                    | 306 556       | 3 048                      | 156 908              | 10.24                                                                 | 31 672                                                               |
| 2009 | 356 795                                                    | 325 980       | 3 144                      | 161 650              | 10.19                                                                 | 31 847                                                               |
| 2010 | 360 651                                                    | 336 007       | 3 207                      | 164 416              | 10.25                                                                 | 32 544                                                               |
| 2011 | 375 009                                                    | 356 128       | 3 277                      | 169 792              | 10.18                                                                 | 33 505                                                               |
| 2012 | 365 406                                                    | 389 004       | 3 177                      | 176 540              | 9.88                                                                  | 34 087                                                               |
| 2013 | 351 209                                                    | 410 119       | 3 134                      | 179 150              | 9.89                                                                  | 34 715                                                               |
| 2014 | 357 029                                                    | 427 366       | 3 208                      | 187 894              | 9.75                                                                  | 35 402                                                               |
| 2015 | 355 589                                                    | 436 847       | 3 281                      | 193 523              | 9.55                                                                  | 35 918                                                               |
| 2016 | 361 558                                                    | 458 081       | 3 316                      | 203 798              | 9.65                                                                  | 36 380                                                               |
| 2017 | 352 248                                                    | 488 269       | 3 361                      | 212 578              | 9.44                                                                  | 36 933                                                               |
| Year |                                                            |               |                            |                      | Revenues and expenditures of national health insurance (Million NT\$) |                                                                      |
|      | Premium receivables (Million NT\$)                         | Beneficiaries | Group insurance applicants | Government subsidies | Revenues                                                              | Expenditures                                                         |
| 1995 | 198 376                                                    | 65 507        | 72 885                     | 59 984               | ...                                                                   | ...                                                                  |
| 1996 | 236 130                                                    | 87 612        | 79 870                     | 68 648               | 248 373                                                               | 219 683                                                              |
| 2001 | 290 070                                                    | 115 355       | 93 566                     | 81 149               | 295 150                                                               | 296 612                                                              |
| 2006 | 367 587                                                    | 139 358       | 134 778                    | 93 451               | 374 297                                                               | 369 914                                                              |
| 2007 | 370 002                                                    | 142 921       | 133 196                    | 93 885               | 383 934                                                               | 388 042                                                              |
| 2008 | 383 989                                                    | 148 027       | 137 645                    | 98 317               | 391 904                                                               | 407 809                                                              |
| 2009 | 385 194                                                    | 148 418       | 136 656                    | 100 120              | 391 396                                                               | 431 752                                                              |
| 2010 | 437 377                                                    | 166 371       | 159 505                    | 111 501              | 444 501                                                               | 439 080                                                              |
| 2011 | 468 799                                                    | 176 459       | 174 166                    | 118 175              | 485 798                                                               | 463 727                                                              |
| 2012 | 482 413                                                    | 180 016       | 182 192                    | 120 205              | 528 177                                                               | 479 978                                                              |
| 2013 | 466 290                                                    | 175 513       | 180 366                    | 110 412              | 571 007                                                               | 491 892                                                              |
| 2014 | 476 947                                                    | 178 902       | 186 814                    | 111 230              | 572 490                                                               | 519 258                                                              |
| 2015 | 479 882                                                    | 182 715       | 184 538                    | 112 629              | 594 699                                                               | 539 402                                                              |
| 2016 | 469 201                                                    | 179 103       | 181 534                    | 108 563              | 589 790                                                               | 566 136                                                              |
| 2017 | 478 751                                                    | 182 130       | 188 630                    | 107 991              | ...                                                                   | ...                                                                  |

**Note:** (1) End of year

**Table 35. General situation of labor insurance**

Units, 1,000 Persons

| End of Year | No. of insured units and persons |         |                    |         |                                       |         |                                              |         |
|-------------|----------------------------------|---------|--------------------|---------|---------------------------------------|---------|----------------------------------------------|---------|
|             | Total                            |         | Industrial workers |         | Workers of commercial firms and shops |         | Employees in government agencies and schools |         |
|             | Units                            | Persons | Units              | Persons | Units                                 | Persons | Units                                        | Persons |
| 1971        | 10 052                           | 1 000   | 5 117              | 752     | 584                                   | 25      | 3 994                                        | 49      |
| 1981        | 48 716                           | 2 782   | 27 480             | 1 854   | 12 214                                | 259     | 6 498                                        | 119     |
| 1991        | 294 807                          | 7 281   | 116 367            | 2 804   | 151 213                               | 1 695   | 6 853                                        | 191     |
| 2001        | 399 303                          | 7 779   | 117 507            | 2 414   | 234 720                               | 2 268   | 8 579                                        | 279     |
| 2006        | 462 233                          | 8 681   | 124 308            | 2 583   | 279 312                               | 2 721   | 8 458                                        | 309     |
| 2008        | 468 631                          | 8 795   | 127 693            | 2 520   | 279 203                               | 2 719   | 8 481                                        | 343     |
| 2009        | 476 196                          | 9 029   | 128 890            | 2 496   | 282 911                               | 2 770   | 8 495                                        | 375     |
| 2010        | 489 844                          | 9 398   | 132 788            | 2 668   | 290 247                               | 2 921   | 8 429                                        | 375     |
| 2011        | 503 646                          | 9 726   | 137 766            | 2 774   | 296 898                               | 3 076   | 8 491                                        | 384     |
| 2012        | 508 930                          | 9 710   | 140 508            | 2 811   | 298 502                               | 3 136   | 8 463                                        | 385     |
| 2013        | 517 325                          | 9 746   | 144 159            | 2 896   | 301 083                               | 3 176   | 8 390                                        | 390     |
| 2014        | 527 270                          | 9 920   | 147 903            | 3 001   | 305 676                               | 3 248   | 8 334                                        | 395     |
| 2015        | 537 221                          | 10 073  | 151 945            | 3 060   | 309 950                               | 3 321   | 8 433                                        | 419     |
| 2016        | 544 826                          | 10 165  | 154 859            | 3 120   | 313 367                               | 3 394   | 8 436                                        | 418     |
| 2017        | 553 170                          | 10 272  | 157 936            | 3 201   | 317 284                               | 3 464   | 8 397                                        | 429     |

**Source:** Bureau of Labor Insurance, Ministry of Labor

**Table 35. General situation of labor insurance (continued)**

Units, 1,000 Persons

| End of Year | No. of insured units and persons       |         |               |         |                                            |         |        |         |
|-------------|----------------------------------------|---------|---------------|---------|--------------------------------------------|---------|--------|---------|
|             | Workers employed in fishing production |         | Craft workers |         | Class A members of fishermen's association |         | Others |         |
|             | Units                                  | Persons | Units         | Persons | Units                                      | Persons | Units  | Persons |
| 1971        | -                                      | -       | 134           | 25      | 70                                         | 142     | 153    | 6       |
| 1981        | -                                      | -       | 350           | 319     | 42                                         | 151     | 2 132  | 80      |
| 1991        | 882                                    | 12      | 2 031         | 2 121   | 39                                         | 183     | 17 422 | 275     |
| 2001        | 711                                    | 4       | 2 541         | 2 114   | 39                                         | 269     | 35 206 | 431     |
| 2006        | 549                                    | 2       | 3 054         | 2 252   | 39                                         | 290     | 46 513 | 524     |
| 2008        | 480                                    | 2       | 3 235         | 2 374   | 39                                         | 286     | 49 500 | 552     |
| 2009        | 501                                    | 2       | 3 351         | 2 500   | 39                                         | 293     | 52 009 | 594     |
| 2010        | 549                                    | 2       | 3 487         | 2 528   | 39                                         | 295     | 54 305 | 608     |
| 2011        | 541                                    | 2       | 3 614         | 2 557   | 39                                         | 297     | 56 297 | 635     |
| 2012        | 722                                    | 2       | 3 703         | 2 436   | 39                                         | 292     | 56 993 | 647     |
| 2013        | 1 398                                  | 4       | 3 753         | 2 332   | 39                                         | 289     | 58 503 | 658     |
| 2014        | 1 682                                  | 5       | 3 772         | 2 305   | 39                                         | 289     | 59 864 | 678     |
| 2015        | 1 652                                  | 5       | 3 799         | 2 281   | 39                                         | 288     | 61 403 | 700     |
| 2016        | 1 756                                  | 5       | 3 828         | 2 222   | 39                                         | 285     | 62 541 | 722     |
| 2017        | 1 867                                  | 5       | 3 866         | 2 149   | 39                                         | 278     | 63 781 | 746     |

**Table 35. General situation of labor insurance (continued)**

1,000 Persons, 1,000 Cases, 10 Thousand NT\$

| End of Year | Premium receivable | Real benefit payments |                          |            |                                                                     |            |                                    |           |
|-------------|--------------------|-----------------------|--------------------------|------------|---------------------------------------------------------------------|------------|------------------------------------|-----------|
|             |                    | Total                 | Pension benefit payments |            | Lump sum benefit payments                                           |            |                                    |           |
|             |                    |                       |                          |            | Maternity, injury or sickness, permanent disability, old-age, death |            | Occupational accident medical care |           |
|             |                    | Amount                | Persons (1)              | Amount     | Cases                                                               | Amount     | Cases                              | Amount    |
| 1971        | 110 118            | 52 280                | -                        | -          | 110                                                                 | 37 803     | 65                                 | 14 474    |
| 1981        | 1 337 968          | 1 162 608             | -                        | -          | 257                                                                 | 462 266    | 26 759                             | 700 342   |
| 1991        | 8 645 363          | 6 580 894             | -                        | -          | 601                                                                 | 3 265 384  | 62 803                             | 3 315 510 |
| 2001        | 15 177 981         | 12 983 842            | -                        | -          | 569                                                                 | 12 154 594 | 71                                 | 46 705    |
| 2006        | 15 791 806         | 17 355 303            | -                        | -          | 571                                                                 | 17 167 248 | 726                                | 188 055   |
| 2008        | 16 775 182         | 35 829 453            | -                        | -          | 770                                                                 | 35 628 717 | 1 460                              | 200 736   |
| 2009        | 19 828 084         | 14 065 611            | 67                       | 656 625    | 626                                                                 | 13 118 938 | 901                                | 290 048   |
| 2010        | 20 714 956         | 13 133 429            | 121                      | 1 540 970  | 553                                                                 | 11 278 994 | 1 770                              | 313 466   |
| 2011        | 23 416 708         | 14 448 200            | 194                      | 2 663 126  | 577                                                                 | 11 492 423 | 1 439                              | 292 651   |
| 2012        | 26 017 454         | 26 269 050            | 327                      | 4 383 842  | 675                                                                 | 21 548 729 | 1 867                              | 336 479   |
| 2013        | 27 691 721         | 28 002 503            | 507                      | 8 167 843  | 634                                                                 | 19 565 962 | 1 196                              | 268 698   |
| 2014        | 30 077 501         | 24 874 063            | 628                      | 10 725 118 | 588                                                                 | 13 857 908 | 1 455                              | 291 036   |
| 2015        | 32 679 482         | 28 245 088            | 748                      | 13 319 277 | 588                                                                 | 14 624 552 | 1 501                              | 301 260   |
| 2016        | 33 595 869         | 32 594 934            | 905                      | 16 342 613 | 597                                                                 | 15 974 728 | 1 535                              | 277 593   |
| 2017        | 36 336 896         | 38 954 503            | 1 066                    | 20 060 593 | 603                                                                 | 18 599 284 | 1 625                              | 294 626   |

**Note:** (1) End of year

**Table 36. General situation of farmer's health insurance**

Units, Persons, Cases, 10 Thousand NT\$

| Year | No. of insured units<br>(1) | No. of insured persons<br>(1) | Premium receivable | Real cash benefits |           |
|------|-----------------------------|-------------------------------|--------------------|--------------------|-----------|
|      |                             |                               |                    | Cases              | Amount    |
| 1985 | 41                          | 100 739                       | 7 647              | 250                | 609       |
| 1991 | 289                         | 1 653 676                     | 1 343 377          | 46 035             | 495 688   |
| 1996 | 288                         | 1 812 293                     | 551 487            | 51 033             | 606 122   |
| 2001 | 289                         | 1 766 854                     | 546 612            | 96 844             | 1 308 879 |
| 2006 | 288                         | 1 622 923                     | 505 760            | 59 775             | 847 952   |
| 2008 | 287                         | 1 573 364                     | 487 370            | 59 632             | 872 003   |
| 2009 | 287                         | 1 540 988                     | 474 450            | 57 848             | 856 626   |
| 2010 | 287                         | 1 508 284                     | 472 038            | 56 412             | 846 248   |
| 2011 | 287                         | 1 479 148                     | 463 073            | 56 859             | 849 452   |
| 2012 | 287                         | 1 454 728                     | 453 335            | 56 234             | 870 956   |
| 2013 | 287                         | 1 409 634                     | 443 058            | 52 457             | 818 194   |
| 2014 | 287                         | 1 349 903                     | 427 586            | 52 379             | 822 868   |
| 2015 | 287                         | 1 284 649                     | 408 793            | 49 058             | 766 785   |
| 2016 | 287                         | 1 235 745                     | 387 456            | 47 194             | 749 651   |
| 2017 | 287                         | 1 174 749                     | 370 018            | 46 386             | 744 217   |

**Note:** (1) End of year**Source:** Bureau of Labor Insurance, Ministry of Labor

**Table 37. General situation of government employee and school staff insurance**

Persons, Thousand NT\$

| Year | No. of insured persons<br>(1)                          |           | Premiums   |                               | Cash benefits (including pension benefit payments) (2) |                          |            |               |             |
|------|--------------------------------------------------------|-----------|------------|-------------------------------|--------------------------------------------------------|--------------------------|------------|---------------|-------------|
|      |                                                        |           |            |                               | Total                                                  |                          | Disability |               | Old age (3) |
|      | GESSI                                                  | RGEI      | GESSI      | RGEI                          | Persons                                                | Amount                   | Persons    | Amount        | Persons     |
| 2003 | 622 851                                                | 762       | 16 490 326 | 2 134                         | 36 486                                                 | 29 756 590               | 1 010      | 342 057       | 19 999      |
| 2004 | 617 260                                                | 692       | 16 470 377 | 1 843                         | 37 771                                                 | 32 045 526               | 1 070      | 331 590       | 20 837      |
| 2005 | 591 158                                                | 634       | 16 744 093 | 1 788                         | 43 484                                                 | 38 817 086               | 1 084      | 355 608       | 26 924      |
| 2006 | 589 237                                                | 563       | 16 468 839 | 1 568                         | 30 546                                                 | 23 518 563               | 1 042      | 355 977       | 14 929      |
| 2007 | 590 808                                                | 502       | 16 677 444 | 1 391                         | 29 194                                                 | 21 377 770               | 1 056      | 347 635       | 13 520      |
| 2008 | 594 798                                                | 458       | 16 926 336 | 1 306                         | 28 766                                                 | 20 307 724               | 1 042      | 340 805       | 12 852      |
| 2009 | 597 983                                                | 416       | 17 165 917 | 1 164                         | 31 957                                                 | 20 374 548               | 1 030      | 345 954       | 12 897      |
| 2010 | 597 583                                                | 372       | 17 417 350 | 1 054                         | 36 324                                                 | 24 971 873               | 1 029      | 355 476       | 16 333      |
| 2011 | 593 949                                                | 334       | 17 694 632 | 948                           | 37 850                                                 | 26 951 995               | 947        | 337 644       | 17 365      |
| 2012 | 593 846                                                | 303       | 17 991 298 | 851                           | 38 862                                                 | 28 245 148               | 952        | 361 365       | 17 989      |
| 2013 | 593 760                                                | 258       | 20 862 453 | 689                           | 38 024                                                 | 26 406 707               | 885        | 320 252       | 16 896      |
| 2014 | 587 459                                                | 150       | 20 948 418 | 538                           | 44 936                                                 | 24 424 799               | 869        | 327 938       | 18 029      |
| 2015 | 582 725                                                | 125       | 20 917 837 | 302                           | 55 581                                                 | 32 784 604               | 790        | 302 791       | 22 954      |
| 2016 | 578 624                                                | 100       | 22 778 804 | 329                           | 53 385                                                 | 29 852 594               | 828        | 324 413       | 20 356      |
| 2017 | 584 469                                                | 89        | 23 477 880 | 286                           | 48 909                                                 | 24 901 898               | 830        | 313 684       | 16 788      |
| Year | Cash benefits (including pension benefit payments) (2) |           |            |                               |                                                        |                          |            |               |             |
|      | Old age (3)                                            | Death (3) |            | Dependents' funeral allowance |                                                        | Parental leave allowance |            | Maternity (4) |             |
|      | Amount                                                 | Persons   | Amount     | Persons                       | Amount                                                 | Persons                  | Amount     | Persons       | Amount      |
| 2003 | 27 266 218                                             | 642       | 663 841    | 14 835                        | 1 484 473                                              | -                        | -          | -             | -           |
| 2004 | 29 538 911                                             | 639       | 645 858    | 15 225                        | 1 529 167                                              | -                        | -          | -             | -           |
| 2005 | 36 274 085                                             | 629       | 641 088    | 14 847                        | 1 546 305                                              | -                        | -          | -             | -           |
| 2006 | 21 009 265                                             | 642       | 685 830    | 13 933                        | 1 467 490                                              | -                        | -          | -             | -           |
| 2007 | 18 921 039                                             | 585       | 622 512    | 14 033                        | 1 486 584                                              | -                        | -          | -             | -           |
| 2008 | 17 785 186                                             | 597       | 643 120    | 14 275                        | 1 538 613                                              | -                        | -          | -             | -           |
| 2009 | 17 602 882                                             | 569       | 639 646    | 14 751                        | 1 601 003                                              | 2 710                    | 185 063    | -             | -           |
| 2010 | 22 016 132                                             | 575       | 643 044    | 14 768                        | 1 624 451                                              | 3 619                    | 332 772    | -             | -           |
| 2011 | 23 927 578                                             | 565       | 647 101    | 15 234                        | 1 706 094                                              | 3 739                    | 333 578    | -             | -           |
| 2012 | 25 142 386                                             | 521       | 623 324    | 15 113                        | 1 739 995                                              | 4 287                    | 378 080    | -             | -           |
| 2013 | 23 276 649                                             | 541       | 646 142    | 15 120                        | 1 756 005                                              | 4 582                    | 407 659    | -             | -           |
| 2014 | 20 865 515                                             | 564       | 683 050    | 15 733                        | 1 834 985                                              | 5 175                    | 444 792    | 4 566         | 268 518     |
| 2015 | 28 976 625                                             | 505       | 621 253    | 15 183                        | 1 775 493                                              | 5 929                    | 497 877    | 10 220        | 610 565     |
| 2016 | 25 909 044                                             | 529       | 651 982    | 15 624                        | 1 838 896                                              | 6 036                    | 520 070    | 10 012        | 608 190     |
| 2017 | 21 045 386                                             | 504       | 632 333    | 15 155                        | 1 796 785                                              | 6 151                    | 534 112    | 9 481         | 579 597     |

**Note:** GEI and ITASPS were transformed to GESSI since May 31, 1999.

(1) End of year (2) Including RGEI (3) Amendment to the GESSI Act was implemented on June 1, 2014. "Old age" and "Death" benefits separately were divided into two parts, pension and lump sum. (4) Maternity benefit came into operation on June 1, 2014.

**Source:** Bank of Taiwan

**Table 38. General situation of national pension**

Persons, Thousand NT\$

| Year | No. of insured persons<br>(1) | Premium receivable |                            |                             | Real insurance benefit payments (2) |            |
|------|-------------------------------|--------------------|----------------------------|-----------------------------|-------------------------------------|------------|
|      |                               | Total              | Premium paid by government | Premium paid by the insured | Persons                             | Amount     |
| 2008 | 4 220 905                     | 8 189 050          | -                          | 8 189 050                   | 935 562                             | 5 642 835  |
| 2009 | 4 014 678                     | 30 843 317         | -                          | 30 843 317                  | 1 044 341                           | 37 696 991 |
| 2010 | 3 872 241                     | 29 862 186         | -                          | 29 862 186                  | 1 109 914                           | 40 498 338 |
| 2011 | 3 783 731                     | 80 506 455         | 48 624 278                 | 31 882 177                  | 1 216 260                           | 43 281 019 |
| 2012 | 3 725 626                     | 46 283 655         | 16 977 261                 | 29 306 395                  | 1 293 871                           | 53 283 638 |
| 2013 | 3 677 601                     | 47 443 118         | 16 508 156                 | 30 934 962                  | 1 373 599                           | 58 001 719 |
| 2014 | 3 584 020                     | 47 168 321         | 16 869 803                 | 30 298 519                  | 1 454 560                           | 61 017 622 |
| 2015 | 3 509 970                     | 51 044 259         | 17 664 559                 | 33 379 700                  | 1 531 373                           | 64 800 157 |
| 2016 | 3 425 214                     | 50 814 483         | 18 236 252                 | 32 578 231                  | 1 620 012                           | 71 141 319 |
| 2017 | 3 349 164                     | 52 126 240         | 18 443 081                 | 33 683 158                  | 1 696 768                           | 75 311 801 |

**Note:** (1) End of year

(2) The grand total means the sum of the persons receiving pensions at the end of the recent year and the total of the persons receiving maternity and funeral benefit.

**Source:** Bureau of Labor Insurance, Ministry of Labor



## **NATIONAL ECONOMICS AND BUSINESS ACTIVITIES**

Table 39. General situation of national income

| Year | Gross domestic product (GDP)                       |                                |                          |                                   |                                   | Gross national income (GNI)<br>(At current prices) |
|------|----------------------------------------------------|--------------------------------|--------------------------|-----------------------------------|-----------------------------------|----------------------------------------------------|
|      | At current prices                                  |                                |                          | Chained (2011) dollars            |                                   |                                                    |
|      | Amount<br>(Million NT\$)                           | Annual rate of<br>increase (%) | Amount<br>(Million US\$) | Chained dollars<br>(Million NT\$) | Economic growth<br>rate (%)       | Amount<br>(Million NT\$)                           |
| 1951 | 12 327                                             | -                              | 1 197                    | 145 603                           | -                                 | 12 320                                             |
| 1971 | 269 114                                            | 16.28                          | 6 728                    | 914 190                           | 13.43                             | 268 992                                            |
| 1981 | 1 805 043                                          | 18.55                          | 49 063                   | 2 331 586                         | 7.11                              | 1 795 390                                          |
| 1991 | 5 023 763                                          | 12.13                          | 187 314                  | 5 193 843                         | 8.36                              | 5 159 313                                          |
| 2001 | 10 158 209                                         | -1.87                          | 300 450                  | 9 054 580                         | -1.26                             | 10 350 233                                         |
| 2008 | 13 150 950                                         | -1.91                          | 416 961                  | 12 661 079                        | 0.70                              | 13 465 596                                         |
| 2009 | 12 961 656                                         | -1.44                          | 392 065                  | 12 462 729                        | -1.57                             | 13 375 650                                         |
| 2010 | 14 119 213                                         | 8.93                           | 446 105                  | 13 787 642                        | 10.63                             | 14 548 852                                         |
| 2011 | 14 312 200                                         | 1.37                           | 485 653                  | 14 312 200                        | 3.80                              | 14 700 572                                         |
| 2012 | 14 686 917                                         | 2.62                           | 495 845                  | 14 607 569                        | 2.06                              | 15 141 108                                         |
| 2013 | 15 230 739                                         | 3.70                           | 511 614                  | 14 929 292                        | 2.20                              | 15 654 588                                         |
| 2014 | 16 111 867                                         | 5.79                           | 530 519                  | 15 529 606                        | 4.02                              | 16 582 405                                         |
| 2015 | 16 770 671                                         | 4.09                           | 525 562                  | 15 654 835                        | 0.81                              | 17 301 397                                         |
| 2016 | 17 152 093                                         | 2.27                           | 530 532                  | 15 875 635                        | 1.41                              | 17 682 434                                         |
| 2017 | 17 431 157                                         | 1.63                           | 572 767                  | 16 335 152                        | 2.89                              | 17 908 407                                         |
| Year | Gross national income (GNI)<br>(At current prices) |                                | National income (NI)     |                                   |                                   |                                                    |
|      |                                                    |                                | At current prices        |                                   | Chained (2011) dollars            |                                                    |
|      | Annual rate of<br>increase (%)                     | Amount<br>(Million US\$)       | Amount<br>(Million NT\$) | Amount<br>(Million US\$)          | Chained dollars<br>(Million NT\$) | Annual rate of<br>increase (%)                     |
| 1951 | -                                                  | 1 196                          | 12 276                   | 1 192                             | 158 874                           | -                                                  |
| 1971 | 16.44                                              | 6 725                          | 251 214                  | 6 280                             | 1 023 511                         | 14.53                                              |
| 1981 | 18.08                                              | 48 801                         | 1 613 077                | 43 846                            | 2 416 867                         | 7.15                                               |
| 1991 | 12.22                                              | 192 368                        | 4 686 035                | 174 722                           | 5 923 264                         | 9.45                                               |
| 2001 | -1.34                                              | 306 129                        | 9 015 899                | 266 664                           | 9 555 920                         | -5.07                                              |
| 2008 | -2.00                                              | 426 937                        | 11 161 869               | 353 896                           | 11 203 683                        | -6.90                                              |
| 2009 | -0.67                                              | 404 587                        | 10 985 329               | 332 285                           | 11 182 646                        | -0.19                                              |
| 2010 | 8.77                                               | 459 679                        | 12 194 428               | 385 290                           | 12 343 643                        | 10.38                                              |
| 2011 | 1.04                                               | 498 832                        | 12 290 671               | 417 057                           | 12 290 671                        | -0.43                                              |
| 2012 | 3.00                                               | 511 179                        | 12 493 108               | 421 779                           | 12 490 438                        | 1.63                                               |
| 2013 | 3.39                                               | 525 851                        | 13 115 430               | 440 559                           | 12 955 284                        | 3.72                                               |
| 2014 | 5.93                                               | 546 013                        | 14 018 941               | 461 605                           | 13 793 650                        | 6.47                                               |
| 2015 | 4.34                                               | 542 194                        | 14 652 714               | 459 189                           | 14 604 568                        | 5.88                                               |
| 2016 | 2.20                                               | 546 936                        | 14 992 247               | 463 726                           | 14 893 144                        | 1.98                                               |
| 2017 | 1.28                                               | 588 434                        | 15 166 505               | 498 347                           | 15 071 121                        | 1.20                                               |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 40. Per capita income and consumption**

At current prices

| Year | Per capita GDP   |                                |                  |                                | Per capita GNI   |
|------|------------------|--------------------------------|------------------|--------------------------------|------------------|
|      | Amount<br>(NT\$) | Annual rate of increase<br>(%) | Amount<br>(US\$) | Annual rate of increase<br>(%) | Amount<br>(NT\$) |
| 1951 | 1 589            | -                              | 154              | -                              | 1 588            |
| 1971 | 18 045           | 13.71                          | 451              | 13.60                          | 18 037           |
| 1981 | 100 113          | 16.41                          | 2 721            | 13.90                          | 99 578           |
| 1991 | 245 019          | 10.90                          | 9 136            | 11.20                          | 251 630          |
| 2001 | 454 687          | -2.55                          | 13 448           | -9.99                          | 463 282          |
| 2008 | 571 838          | -2.25                          | 18 131           | 1.78                           | 585 519          |
| 2009 | 561 636          | -1.78                          | 16 988           | -6.30                          | 579 574          |
| 2010 | 610 140          | 8.64                           | 19 278           | 13.48                          | 628 706          |
| 2011 | 617 078          | 1.14                           | 20 939           | 8.62                           | 633 822          |
| 2012 | 631 142          | 2.28                           | 21 308           | 1.76                           | 650 660          |
| 2013 | 652 429          | 3.37                           | 21 916           | 2.85                           | 670 585          |
| 2014 | 688 434          | 5.52                           | 22 668           | 3.43                           | 708 540          |
| 2015 | 714 774          | 3.83                           | 22 400           | -1.18                          | 737 393          |
| 2016 | 729 381          | 2.04                           | 22 561           | 0.72                           | 751 934          |
| 2017 | 740 082          | 1.47                           | 24 318           | 7.79                           | 760 345          |

  

| Year | Per capita GNI   | Per capita NI    |                  | Per capita private final consumption |                  |
|------|------------------|------------------|------------------|--------------------------------------|------------------|
|      | Amount<br>(US\$) | Amount<br>(NT\$) | Amount<br>(US\$) | Amount<br>(NT\$)                     | Amount<br>(US\$) |
| 1951 | 154              | 1 582            | 154              | 1 157                                | 112              |
| 1971 | 451              | 16 845           | 421              | 9 687                                | 242              |
| 1981 | 2 707            | 89 466           | 2 432            | 51 381                               | 1 397            |
| 1991 | 9 382            | 228 547          | 8 522            | 127 866                              | 4 768            |
| 2001 | 13 703           | 403 556          | 11 936           | 257 670                              | 7 621            |
| 2008 | 18 564           | 485 347          | 15 388           | 315 691                              | 10 009           |
| 2009 | 17 531           | 476 000          | 14 398           | 310 919                              | 9 405            |
| 2010 | 19 864           | 526 963          | 16 650           | 324 001                              | 10 237           |
| 2011 | 21 507           | 529 918          | 17 982           | 336 257                              | 11 410           |
| 2012 | 21 967           | 536 868          | 18 125           | 345 293                              | 11 657           |
| 2013 | 22 526           | 561 817          | 18 872           | 353 331                              | 11 869           |
| 2014 | 23 330           | 599 007          | 19 724           | 366 983                              | 12 084           |
| 2015 | 23 109           | 624 505          | 19 571           | 373 177                              | 11 695           |
| 2016 | 23 258           | 637 535          | 19 720           | 384 059                              | 11 879           |
| 2017 | 24 984           | 643 931          | 21 159           | 392 542                              | 12 897           |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 41. Gross national income**

Chained (2011) dollars

Million NT\$

| Year | GNI        | GDP        | Net factor<br>income<br>from the<br>rest of the<br>world | Gain or loss<br>resulting<br>from<br>changes in<br>the terms of<br>trade | NI                  |                      |                                           | Consumption<br>of fixed<br>capital | Statistical<br>discrepancy |
|------|------------|------------|----------------------------------------------------------|--------------------------------------------------------------------------|---------------------|----------------------|-------------------------------------------|------------------------------------|----------------------------|
|      |            |            |                                                          |                                                                          | at market<br>prices | NI<br>at factor cost | Net taxes on<br>production<br>and imports |                                    |                            |
| 1951 | 154 843    | 145 603    | - 198                                                    | 8 597                                                                    | 158 874             | 144 012              | 13 645                                    | 331                                | -                          |
| 1971 | 1 084 976  | 914 190    | - 604                                                    | 165 476                                                                  | 1 023 511           | 898 034              | 115 199                                   | 63 202                             | -                          |
| 1981 | 2 652 182  | 2 331 586  | - 15 849                                                 | 317 596                                                                  | 2 416 867           | 2 139 371            | 254 569                                   | 256 390                            | - 33 312                   |
| 1991 | 6 561 579  | 5 193 843  | 187 541                                                  | 1 192 058                                                                | 5 923 264           | 5 365 372            | 542 399                                   | 624 383                            | - 21 063                   |
| 2001 | 11 180 872 | 9 054 580  | 213 487                                                  | 1 904 219                                                                | 9 555 920           | 8 931 840            | 625 955                                   | 1 617 331                          | - 8 639                    |
| 2008 | 13 489 512 | 12 661 079 | 320 632                                                  | 506 359                                                                  | 11 203 683          | 10 513 772           | 690 486                                   | 2 241 619                          | 44 495                     |
| 2009 | 13 517 208 | 12 462 729 | 423 658                                                  | 634 564                                                                  | 11 182 646          | 10 551 836           | 629 664                                   | 2 284 981                          | 50 827                     |
| 2010 | 14 718 522 | 13 787 642 | 435 627                                                  | 497 456                                                                  | 12 343 643          | 11 595 605           | 747 583                                   | 2 338 548                          | 36 210                     |
| 2011 | 14 700 572 | 14 312 200 | 388 372                                                  | -                                                                        | 12 290 671          | 11 515 558           | 775 113                                   | 2 409 901                          | -                          |
| 2012 | 14 985 094 | 14 607 569 | 445 579                                                  | - 68 054                                                                 | 12 490 438          | 11 720 588           | 769 850                                   | 2 465 948                          | 28 708                     |
| 2013 | 15 524 725 | 14 929 292 | 411 781                                                  | 184 291                                                                  | 12 955 284          | 12 145 898           | 809 318                                   | 2 520 639                          | 48 819                     |
| 2014 | 16 349 966 | 15 529 606 | 452 196                                                  | 368 520                                                                  | 13 793 650          | 12 941 762           | 851 816                                   | 2 582 418                          | - 28 375                   |
| 2015 | 17 282 691 | 15 654 835 | 511 451                                                  | 1 116 593                                                                | 14 604 568          | 13 738 478           | 866 501                                   | 2 645 821                          | 27 846                     |
| 2016 | 17 600 966 | 15 875 635 | 504 117                                                  | 1 220 951                                                                | 14 893 144          | 13 977 808           | 914 566                                   | 2 713 442                          | - 9 665                    |
| 2017 | 17 852 307 | 16 335 152 | 449 887                                                  | 1 065 153                                                                | 15 071 121          | 14 128 167           | 941 502                                   | 2 787 126                          | - 9 198                    |

**Note:** The chained-dollar estimates are not additive.**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 42. Expenditure on gross domestic product**

Chained (2011) dollars

Million NT\$

| Year | GDP        | Private final consumption | Government final consumption | Gross fixed capital formation | Changes in inventories | Exports of goods and services | Imports of goods and services |
|------|------------|---------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|-------------------------------|
| 1951 | 145 603    | 110 045                   | 59 422                       | 12 746                        | 3 161                  | 9 756                         | 28 043                        |
| 1971 | 914 190    | 621 886                   | 301 466                      | 258 842                       | 19 009                 | 216 475                       | 374 649                       |
| 1981 | 2 331 586  | 1 401 803                 | 586 281                      | 780 040                       | 33 734                 | 826 368                       | 1 143 286                     |
| 1991 | 5 193 843  | 3 330 549                 | 1 336 699                    | 1 734 329                     | 86 652                 | 2 352 809                     | 3 372 137                     |
| 2001 | 9 054 580  | 6 140 238                 | 1 925 311                    | 2 817 001                     | - 75 925               | 4 591 478                     | 5 980 166                     |
| 2008 | 12 661 079 | 7 288 331                 | 2 038 445                    | 3 111 807                     | 166 513                | 8 688 819                     | 8 551 194                     |
| 2009 | 12 462 729 | 7 289 398                 | 2 104 036                    | 2 837 726                     | - 193 262              | 7 957 049                     | 7 420 843                     |
| 2010 | 13 787 642 | 7 563 285                 | 2 126 124                    | 3 385 791                     | 196 426                | 9 999 951                     | 9 500 588                     |
| 2011 | 14 312 200 | 7 798 976                 | 2 167 595                    | 3 346 945                     | 35 921                 | 10 419 700                    | 9 456 937                     |
| 2012 | 14 607 569 | 7 940 907                 | 2 214 447                    | 3 259 477                     | 19 020                 | 10 462 131                    | 9 288 413                     |
| 2013 | 14 929 292 | 8 126 434                 | 2 197 054                    | 3 432 126                     | - 48 401               | 10 828 138                    | 9 604 432                     |
| 2014 | 15 529 606 | 8 405 582                 | 2 277 570                    | 3 502 539                     | 30 457                 | 11 462 929                    | 10 148 970                    |
| 2015 | 15 654 835 | 8 626 919                 | 2 275 198                    | 3 560 091                     | 25 676                 | 11 420 203                    | 10 259 394                    |
| 2016 | 15 875 635 | 8 826 941                 | 2 359 918                    | 3 640 895                     | - 17 800               | 11 640 856                    | 10 613 499                    |
| 2017 | 16 335 152 | 9 036 969                 | 2 332 847                    | 3 628 269                     | - 49 454               | 12 509 816                    | 11 163 120                    |

**Note:** The chained-dollar estimates are not additive.**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan

Table 43. Composition of gross fixed capital formation

%

| Year | By type of capital goods      |                                  |                                                                   |                                                                                  |                              |                                     |                                                                           |                                      | By owner                    |                            |                            |
|------|-------------------------------|----------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------|-------------------------------------|---------------------------------------------------------------------------|--------------------------------------|-----------------------------|----------------------------|----------------------------|
|      | Residen-<br>tial<br>buildings | Non-<br>residential<br>buildings | Other<br>construc-<br>tions<br>except<br>land<br>improve-<br>ment | Land<br>improve-<br>ment and<br>plantation<br>and<br>orchard<br>develop-<br>ment | Transport<br>equip-<br>ments | Machinery<br>and<br>equip-<br>ments | Breeding<br>stock,<br>draught<br>animals,<br>dairy cattle<br>and the like | Intellectual<br>property<br>products | Private<br>enter-<br>prises | Public<br>enter-<br>prises | General<br>govern-<br>ment |
| 1951 | 8.96                          | 21.47                            | 23.32                                                             | 0.37                                                                             | 9.33                         | 34.79                               | 0.07                                                                      | 1.70                                 | 53.96                       | 28.72                      | 17.32                      |
| 1971 | 11.76                         | 11.79                            | 12.88                                                             | 0.21                                                                             | 12.74                        | 44.83                               | 0.14                                                                      | 5.66                                 | 56.48                       | 31.16                      | 12.36                      |
| 1981 | 11.81                         | 18.35                            | 13.46                                                             | 0.24                                                                             | 8.13                         | 44.29                               | 0.14                                                                      | 3.58                                 | 50.75                       | 32.47                      | 16.78                      |
| 1991 | 9.56                          | 17.62                            | 20.30                                                             | 0.57                                                                             | 8.62                         | 34.65                               | 0.30                                                                      | 8.39                                 | 50.86                       | 21.90                      | 27.24                      |
| 2001 | 6.34                          | 15.61                            | 16.18                                                             | 1.36                                                                             | 7.52                         | 38.17                               | 0.03                                                                      | 14.79                                | 65.95                       | 11.04                      | 23.01                      |
| 2008 | 7.08                          | 18.80                            | 14.61                                                             | 1.28                                                                             | 3.97                         | 36.44                               | 0.03                                                                      | 17.78                                | 75.01                       | 7.15                       | 17.85                      |
| 2009 | 6.07                          | 16.07                            | 16.39                                                             | 1.20                                                                             | 4.62                         | 35.06                               | 0.02                                                                      | 20.58                                | 70.10                       | 8.36                       | 21.54                      |
| 2010 | 6.91                          | 16.37                            | 13.10                                                             | 1.26                                                                             | 5.20                         | 38.66                               | 0.01                                                                      | 18.48                                | 74.85                       | 7.49                       | 17.66                      |
| 2011 | 10.39                         | 17.23                            | 10.84                                                             | 0.83                                                                             | 5.34                         | 36.18                               | 0.02                                                                      | 19.19                                | 76.44                       | 6.57                       | 16.99                      |
| 2012 | 11.54                         | 17.92                            | 9.68                                                              | 0.74                                                                             | 5.61                         | 34.16                               | 0.01                                                                      | 20.34                                | 78.21                       | 6.22                       | 15.57                      |
| 2013 | 10.20                         | 18.97                            | 9.51                                                              | 0.77                                                                             | 5.52                         | 34.20                               | 0.02                                                                      | 20.81                                | 79.49                       | 5.93                       | 14.58                      |
| 2014 | 11.04                         | 18.97                            | 8.84                                                              | 0.55                                                                             | 6.22                         | 32.87                               | 0.02                                                                      | 21.50                                | 80.73                       | 6.04                       | 13.23                      |
| 2015 | 10.78                         | 18.68                            | 8.11                                                              | 0.46                                                                             | 6.44                         | 32.96                               | 0.03                                                                      | 22.55                                | 81.96                       | 5.47                       | 12.57                      |
| 2016 | 9.05                          | 18.28                            | 7.91                                                              | 0.37                                                                             | 6.42                         | 34.76                               | 0.03                                                                      | 23.17                                | 82.49                       | 5.19                       | 12.32                      |
| 2017 | 36.42                         |                                  |                                                                   |                                                                                  | 6.85                         | 32.63                               |                                                                           | 24.10                                | 81.63                       | 5.17                       | 13.19                      |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 44. Gross domestic product and expenditure**

At current prices

Million NT \$

| Item                                     | 2010       | 2011       | 2012       | 2013       | 2014       | 2015       | 2016       | 2017       |
|------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Compensation of employees                | 6 165 437  | 6 463 779  | 6 610 923  | 6 716 450  | 7 059 410  | 7 334 998  | 7 507 155  | 13 713 254 |
| Operating surplus                        | 4 871 013  | 4 663 407  | 4 653 419  | 5 155 782  | 5 612 070  | 5 886 287  | 5 997 865  |            |
| Consumption of fixed capital             | 2 309 958  | 2 409 901  | 2 485 583  | 2 473 986  | 2 566 074  | 2 589 440  | 2 672 832  | 2 735 514  |
| Taxes on production and imports          | 832 757    | 880 053    | 881 226    | 920 172    | 980 313    | 1 005 111  | 1 064 749  | 976 001    |
| Less: subsidies                          | 104 418    | 104 940    | 106 651    | 100 823    | 103 390    | 104 408    | 107 863    |            |
| Plus: statistical discrepancy            | 44 466     | -          | 162 417    | 65 172     | - 2 610    | 59 243     | 17 335     | 6 388      |
| Gross domestic product                   | 14 119 213 | 14 312 200 | 14 686 917 | 15 230 739 | 16 111 867 | 16 770 671 | 17 152 073 | 17 431 157 |
| Government final consumption expenditure | 2 098 717  | 2 167 595  | 2 254 282  | 2 242 637  | 2 342 754  | 2 346 110  | 2 465 870  | 2 451 014  |
| Private final consumption expenditure    | 7 497 682  | 7 798 976  | 8 035 105  | 8 248 385  | 8 588 741  | 8 755 829  | 9 031 513  | 9 245 506  |
| Changes in inventories                   | 188 764    | 35 921     | 22 029     | - 18 535   | 27 323     | 19 845     | - 15 206   | - 32 317   |
| Gross fixed capital formation            | 3 335 881  | 3 346 945  | 3 282 131  | 3 378 731  | 3 493 834  | 3 493 267  | 3 584 910  | 3 570 116  |
| Exports of goods and services            | 10 013 538 | 10 419 700 | 10 345 375 | 10 579 884 | 11 254 123 | 10 775 522 | 10 771 164 | 11 361 120 |
| Less: imports of goods and services      | 9 015 369  | 9 456 937  | 9 252 005  | 9 200 363  | 9 594 908  | 8 619 902  | 8 686 158  | 9 164 282  |
| Gross domestic product                   | 14 119 213 | 14 312 200 | 14 686 917 | 15 230 739 | 16 111 867 | 16 770 671 | 17 152 093 | 17 431 157 |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 45. National disposable income and its appropriation**

At current prices

Million NT \$

| Item                                              | 2010       | 2011       | 2012       | 2013       | 2014       | 2015       | 2016       | 2017         |
|---------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Government final consumption expenditure          | 2 098 717  | 2 167 595  | 2 254 282  | 2 242 637  | 2 342 754  | 2 346 110  | 2 465 870  | 2 451 014    |
| Private final consumption expenditure             | 7 497 682  | 7 798 976  | 8 035 105  | 8 248 385  | 8 588 741  | 8 755 829  | 9 031 513  | 9 245 506    |
| Saving                                            | 2 511 857  | 2 214 998  | 2 125 437  | 2 534 858  | 3 003 010  | 3 443 682  | 3 393 896  | 3 345 483    |
| Appropriation of disposable income                | 12 108 256 | 12 181 569 | 12 414 824 | 13 025 880 | 13 934 505 | 14 545 621 | 14 891 279 | 15 042 003   |
| Compensation of employees                         | 6 165 437  | 6 463 779  | 6 610 923  | 6 716 450  | 7 059 410  | 7 334 998  | 7 507 155  | } 13 713 254 |
| Operating surplus                                 | 4 871 013  | 4 663 407  | 4 653 419  | 5 155 782  | 5 612 070  | 5 886 287  | 5 997 865  |              |
| Compensation of employees from ROW, net           | 1 424      | 1 533      | 4 620      | 8 246      | 9 719      | 8 264      | 4 590      | 6 283        |
| Property and entrepreneurial income from ROW, net | 428 215    | 386 839    | 449 571    | 415 603    | 460 819    | 522 462    | 525 751    | 470 967      |
| Taxes on production and imports                   | 832 757    | 880 053    | 881 226    | 920 172    | 980 313    | 1 005 111  | 1 064 749  | } 976 001    |
| Less: subsidies                                   | 104 418    | 104 940    | 106 651    | 100 823    | 103 390    | 104 408    | 107 863    |              |
| Other current transfers from ROW, net             | - 86 172   | - 109 102  | - 78 284   | - 89 550   | - 84 436   | - 107 093  | - 100 968  | - 124 502    |
| Disposable income                                 | 12 108 256 | 12 181 569 | 12 414 824 | 13 025 880 | 13 934 505 | 14 545 621 | 14 891 279 | 15 042 003   |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan



**Table 46. Average disposable income per household by disposable income quintile**

NT\$, %

| Year | Average disposable income per household | Average disposable income per household of each fifth |         |         |           |                    | Income inequality indices                                  |                                  | As a % of number of households by sex of household heads |        |
|------|-----------------------------------------|-------------------------------------------------------|---------|---------|-----------|--------------------|------------------------------------------------------------|----------------------------------|----------------------------------------------------------|--------|
|      |                                         | 1<br>(Lowest 20%)                                     | 2       | 3       | 4         | 5<br>(Highest 20%) | Ratio of income share of highest 20% to that of lowest 20% | Gini's concentration coefficient | Male                                                     | Female |
| 1976 | 116 297                                 | 51 754                                                | 79 335  | 101 676 | 132 056   | 216 666            | 4.18                                                       | 0.280                            | ...                                                      | ...    |
| 1981 | 266 439                                 | 117 224                                               | 183 360 | 234 699 | 303 530   | 493 382            | 4.21                                                       | 0.281                            | ...                                                      | ...    |
| 1991 | 587 242                                 | 227 816                                               | 389 205 | 511 410 | 674 451   | 1 133 327          | 4.97                                                       | 0.308                            | ...                                                      | ...    |
| 2001 | 868 651                                 | 279 404                                               | 524 766 | 740 054 | 1 013 478 | 1 785 550          | 6.39                                                       | 0.350                            | 80.39                                                    | 19.61  |
| 2006 | 913 092                                 | 304 274                                               | 564 865 | 795 427 | 1 073 507 | 1 827 387          | 6.01                                                       | 0.339                            | 76.93                                                    | 23.07  |
| 2008 | 913 687                                 | 303 517                                               | 564 893 | 796 225 | 1 068 804 | 1 834 994          | 6.05                                                       | 0.341                            | 74.72                                                    | 25.28  |
| 2009 | 887 605                                 | 282 260                                               | 544 532 | 771 572 | 1 049 242 | 1 790 418          | 6.34                                                       | 0.345                            | 73.66                                                    | 26.34  |
| 2010 | 889 353                                 | 288 553                                               | 542 741 | 773 468 | 1 054 693 | 1 787 312          | 6.19                                                       | 0.342                            | 73.73                                                    | 26.27  |
| 2011 | 907 988                                 | 296 352                                               | 546 903 | 786 324 | 1 083 008 | 1 827 354          | 6.17                                                       | 0.342                            | 73.30                                                    | 26.70  |
| 2012 | 923 584                                 | 301 362                                               | 566 814 | 810 075 | 1 093 553 | 1 846 116          | 6.13                                                       | 0.338                            | 71.99                                                    | 28.01  |
| 2013 | 942 208                                 | 309 459                                               | 583 287 | 823 937 | 1 111 674 | 1 882 680          | 6.08                                                       | 0.336                            | 72.18                                                    | 27.82  |
| 2014 | 956 849                                 | 317 144                                               | 587 625 | 830 741 | 1 128 799 | 1 919 937          | 6.05                                                       | 0.336                            | 72.07                                                    | 27.93  |
| 2015 | 964 895                                 | 320 312                                               | 587 763 | 836 842 | 1 139 842 | 1 939 718          | 6.06                                                       | 0.338                            | 70.84                                                    | 29.16  |
| 2016 | 993 115                                 | 329 400                                               | 616 604 | 861 413 | 1 153 992 | 2 004 165          | 6.08                                                       | 0.336                            | 70.29                                                    | 29.71  |
| 2017 | 1 018 941                               | 338 278                                               | 627 855 | 884 183 | 1 191 537 | 2 052 850          | 6.07                                                       | 0.337                            | 70.85                                                    | 29.15  |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan

Table 47. Family income and expenditure

Persons, NT\$

| Year | No. of persons<br>per household | No. of<br>persons<br>employed per<br>household | Per household    |                              |                             |                    |                    |                                        |
|------|---------------------------------|------------------------------------------------|------------------|------------------------------|-----------------------------|--------------------|--------------------|----------------------------------------|
|      |                                 |                                                | Current receipts |                              |                             |                    |                    | Average<br>disposable<br>income<br>(A) |
|      |                                 |                                                | Total            | Compensation<br>of employees | Entrepre-<br>neurial income | Property<br>income | Transfer<br>income |                                        |
| 1976 | 5.24                            | 1.92                                           | 125 324          | 75 720                       | 31 080                      | 11 628             | 6 900              | 116 297                                |
| 1981 | 4.79                            | 1.92                                           | 302 114          | 187 696                      | 64 242                      | 36 271             | 13 905             | 266 439                                |
| 1991 | 4.16                            | 1.76                                           | 711 333          | 429 095                      | 139 521                     | 98 941             | 43 776             | 587 242                                |
| 2001 | 3.58                            | 1.56                                           | 1 108 461        | 602 182                      | 176 460                     | 177 199            | 152 620            | 868 651                                |
| 2006 | 3.41                            | 1.52                                           | 1 151 338        | 635 926                      | 167 860                     | 169 822            | 177 730            | 913 092                                |
| 2008 | 3.35                            | 1.49                                           | 1 150 912        | 623 282                      | 149 688                     | 169 683            | 208 260            | 913 687                                |
| 2009 | 3.34                            | 1.46                                           | 1 128 201        | 608 940                      | 145 223                     | 171 088            | 202 950            | 887 605                                |
| 2010 | 3.25                            | 1.44                                           | 1 123 761        | 619 014                      | 145 430                     | 166 096            | 193 221            | 889 353                                |
| 2011 | 3.29                            | 1.49                                           | 1 157 895        | 646 849                      | 147 071                     | 170 078            | 193 897            | 907 988                                |
| 2012 | 3.23                            | 1.46                                           | 1 176 877        | 647 332                      | 148 332                     | 169 341            | 211 872            | 923 584                                |
| 2013 | 3.21                            | 1.46                                           | 1 195 566        | 655 707                      | 149 970                     | 170 301            | 219 589            | 942 208                                |
| 2014 | 3.15                            | 1.45                                           | 1 213 703        | 667 520                      | 151 601                     | 176 624            | 217 959            | 956 849                                |
| 2015 | 3.10                            | 1.43                                           | 1 224 600        | 665 122                      | 147 585                     | 182 698            | 229 194            | 964 895                                |
| 2016 | 3.07                            | 1.42                                           | 1 253 389        | 674 344                      | 154 303                     | 185 749            | 238 993            | 993 115                                |
| 2017 | 3.07                            | 1.43                                           | 1 292 578        | 695 838                      | 156 791                     | 190 713            | 249 236            | 1 018 941                              |

**Note:** Property income includes imputed rentals of owner-occupiers, and transfer income includes miscellaneous receipts.

**Source:** Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 47. Family income and expenditure (continued)**

NT\$, %

| Year | Per household      |                                 |                  |                                      |                                                     |         |
|------|--------------------|---------------------------------|------------------|--------------------------------------|-----------------------------------------------------|---------|
|      | Expenditure<br>(B) | Food, beverage and<br>tobacco   | Health           | Recreation, culture<br>and education | Average propensity<br>to consume<br>(C)=(B)/(A)*100 |         |
|      |                    |                                 |                  |                                      |                                                     |         |
| 1976 | 95 714             | 38 409                          | 4 406            | 5 817                                | 82.30                                               |         |
| 1981 | 199 523            | 76 965                          | 8 971            | 14 929                               | 74.89                                               |         |
| 1991 | 411 760            | 104 587                         | 22 074           | 46 654                               | 70.12                                               |         |
| 2001 | 657 872            | 113 755                         | 75 223           | 79 179                               | 75.73                                               |         |
| 2006 | 713 024            | 115 036                         | 98 062           | 82 190                               | 78.09                                               |         |
| 2008 | 705 413            | 115 664                         | 101 261          | 79 631                               | 77.21                                               |         |
| 2009 | 705 680            | 117 712                         | 101 969          | 77 898                               | 79.50                                               |         |
| 2010 | 702 292            | 116 864                         | 101 089          | 77 301                               | 78.97                                               |         |
| 2011 | 729 010            | 118 263                         | 106 607          | 75 697                               | 80.29                                               |         |
| 2012 | 727 693            | 120 399                         | 105 869          | 72 857                               | 78.79                                               |         |
| 2013 | 747 922            | 121 903                         | 109 711          | 72 757                               | 79.38                                               |         |
| 2014 | 755 169            | 119 845                         | 112 270          | 72 379                               | 78.92                                               |         |
| 2015 | 759 647            | 120 619                         | 114 303          | 73 242                               | 78.73                                               |         |
| 2016 | 776 811            | 122 391                         | 119 093          | 72 874                               | 78.22                                               |         |
| 2017 | 811 670            | 126 606                         | 123 765          | 77 503                               | 79.66                                               |         |
| Year | Per household      |                                 | Per capita       |                                      |                                                     |         |
|      | Savings<br>(D)     | Savings rate<br>(E)=(D)/(A)*100 | Current receipts | Average<br>disposable income         | Expenditure                                         | Savings |
| 1976 | 20 583             | 17.70                           | 23 917           | 22 194                               | 18 266                                              | 3 928   |
| 1981 | 66 916             | 25.11                           | 63 072           | 55 624                               | 41 654                                              | 13 970  |
| 1991 | 175 482            | 29.88                           | 170 994          | 141 164                              | 98 981                                              | 42 183  |
| 2001 | 210 779            | 24.27                           | 309 626          | 242 640                              | 183 763                                             | 58 877  |
| 2006 | 200 068            | 21.91                           | 337 636          | 267 769                              | 209 098                                             | 58 671  |
| 2008 | 208 274            | 22.79                           | 343 556          | 272 742                              | 210 571                                             | 62 171  |
| 2009 | 181 925            | 20.50                           | 337 785          | 265 750                              | 211 281                                             | 54 469  |
| 2010 | 187 061            | 21.03                           | 345 773          | 273 647                              | 216 090                                             | 57 557  |
| 2011 | 178 978            | 19.71                           | 351 944          | 275 984                              | 221 584                                             | 54 401  |
| 2012 | 195 891            | 21.21                           | 364 358          | 285 939                              | 225 292                                             | 60 647  |
| 2013 | 194 286            | 20.62                           | 372 451          | 293 523                              | 232 998                                             | 60 525  |
| 2014 | 201 680            | 21.08                           | 385 303          | 303 762                              | 239 736                                             | 64 025  |
| 2015 | 205 248            | 21.27                           | 395 032          | 311 256                              | 245 047                                             | 66 209  |
| 2016 | 216 304            | 21.78                           | 408 270          | 323 490                              | 253 033                                             | 70 457  |
| 2017 | 207 271            | 20.34                           | 421 035          | 331 903                              | 264 388                                             | 67 515  |

Table 48. Approved Mainland China investment

10 Thousand US\$

| Year | Total                                         | By industry                                       |                                     |                                  |                          |                                     |              |                          |                          |                               |                             |                       |             |
|------|-----------------------------------------------|---------------------------------------------------|-------------------------------------|----------------------------------|--------------------------|-------------------------------------|--------------|--------------------------|--------------------------|-------------------------------|-----------------------------|-----------------------|-------------|
|      |                                               | Agriculture, forestry, fishing & animal husbandry | Mining & quarrying                  | Manufacturing                    | Electricity & gas supply | Water supply & remediation services | Construction | Wholesale & retail trade | Transportation & storage | Accommodation & food services | Information & communication | Financial & insurance | Real estate |
| 1991 | 17 416                                        | -                                                 | 90                                  | 17 306                           | -                        | -                                   | -            | 20                       | -                        | -                             | -                           | -                     | -           |
| 1996 | 122 924                                       | 710                                               | 736                                 | 111 591                          | 600                      | -                                   | 63           | 3 029                    | 1 644                    | 668                           | 1 120                       | 1 180                 | 488         |
| 2001 | 278 415                                       | 1 039                                             | 110                                 | 251 396                          | 742                      | -                                   | 2 259        | 11 721                   | 1 651                    | 150                           | 5 508                       | 316                   | 35          |
| 2006 | 764 234                                       | 896                                               | 115                                 | 664 929                          | 4 626                    | 420                                 | 1 473        | 31 278                   | 10 478                   | 1 641                         | 8 117                       | 8 443                 | 1 780       |
| 2007 | 997 055                                       | 1 710                                             | 332                                 | 876 600                          | 4 778                    | 685                                 | 3 145        | 41 190                   | 3 614                    | 2 509                         | 15 127                      | 11 795                | 1 365       |
| 2008 | 1 069 139                                     | 1 556                                             | 851                                 | 876 119                          | 1 065                    | 508                                 | 4 564        | 49 911                   | 5 753                    | 6 896                         | 32 446                      | 25 562                | 2 896       |
| 2009 | 714 259                                       | 719                                               | -                                   | 589 208                          | 1 700                    | 280                                 | 2 596        | 74 315                   | 3 121                    | 8 029                         | 10 685                      | 4 872                 | 1 720       |
| 2010 | 1 461 787                                     | 756                                               | 1 444                               | 1 084 082                        | 4 631                    | 30                                  | 7 313        | 111 549                  | 2 308                    | 6 664                         | 33 307                      | 50 038                | 112 828     |
| 2011 | 1 437 662                                     | 448                                               | 1 362                               | 1 037 539                        | 150                      | 4 701                               | 6 147        | 123 272                  | 9 427                    | 6 017                         | 28 253                      | 125 583               | 41 360      |
| 2012 | 1 279 208                                     | 923                                               | 810                                 | 751 880                          | -                        | 1 151                               | 5 340        | 127 179                  | 6 331                    | 17 180                        | 11 864                      | 172 572               | 133 800     |
| 2013 | 919 009                                       | 222                                               | 3 175                               | 512 052                          | -                        | 2 155                               | 3 552        | 103 594                  | 2 490                    | 7 813                         | 22 288                      | 190 097               | 28 932      |
| 2014 | 1 027 657                                     | 269                                               | 1 791                               | 657 916                          | 1 371                    | 910                                 | 4 318        | 109 557                  | 1 881                    | 3 778                         | 11 327                      | 165 895               | 32 530      |
| 2015 | 1 096 549                                     | 220                                               | 2 154                               | 648 557                          | 2 496                    | 815                                 | 1 185        | 67 994                   | 4 228                    | 1 447                         | 11 647                      | 278 589               | 31 953      |
| 2016 | 967 073                                       | 800                                               | 921                                 | 711 222                          | 2 930                    | 4 605                               | 6 790        | 53 511                   | 7 197                    | 2 442                         | 4 934                       | 136 291               | 9 363       |
| 2017 | 924 886                                       | 1 681                                             | 2 270                               | 643 556                          | -                        | 5 544                               | 963          | 105 987                  | 3 780                    | 2 250                         | 6 406                       | 107 352               | 14 868      |
| Year | By industry                                   |                                                   |                                     |                                  |                          | By area                             |              |                          |                          |                               |                             |                       |             |
|      | Professional, scientific & technical services | Support services                                  | Human health & social work services | Arts, entertainment & recreation | Others                   | Kiangsu                             | Canton       | Chekiang                 | Fukien                   | Shanghai                      | Beijing                     | Tientsin              | Others      |
| 1991 | -                                             | -                                                 | -                                   | -                                | -                        | 326                                 | 7 333        | 19                       | 5 596                    | 2 114                         | 598                         | 99                    | 1 332       |
| 1996 | 301                                           | -                                                 | -                                   | 796                              | -                        | 29 815                              | 30 450       | 3 275                    | 11 088                   | 24 384                        | 1 886                       | 9 620                 | 12 404      |
| 2001 | 671                                           | 106                                               | -                                   | 197                              | 2 514                    | 104 635                             | 78 797       | 20 849                   | 12 012                   | 37 625                        | 8 692                       | 3 697                 | 12 109      |
| 2006 | 12 367                                        | 3 626                                             | 1 906                               | 4 819                            | 7 319                    | 288 725                             | 141 518      | 59 100                   | 51 994                   | 104 179                       | 16 399                      | 11 331                | 90 988      |
| 2007 | 5 850                                         | 4 150                                             | 2 559                               | 2 533                            | 19 113                   | 384 190                             | 197 846      | 69 079                   | 38 836                   | 144 022                       | 14 684                      | 15 578                | 132 818     |
| 2008 | 22 406                                        | 5 646                                             | 3 262                               | 1 456                            | 28 242                   | 422 911                             | 150 460      | 61 188                   | 80 854                   | 170 413                       | 16 187                      | 16 356                | 150 770     |
| 2009 | 1 701                                         | 806                                               | 960                                 | 3 513                            | 10 037                   | 274 663                             | 128 216      | 59 218                   | 26 247                   | 95 500                        | 18 752                      | 17 688                | 93 975      |
| 2010 | 20 023                                        | 6 056                                             | 824                                 | 1 832                            | 18 103                   | 550 183                             | 261 887      | 72 262                   | 88 165                   | 196 134                       | 17 798                      | 27 805                | 247 552     |
| 2011 | 17 529                                        | 10 320                                            | 8 456                               | 1 562                            | 15 536                   | 442 589                             | 220 507      | 72 446                   | 92 341                   | 217 586                       | 15 416                      | 21 187                | 355 592     |
| 2012 | 27 499                                        | 2 341                                             | 7 268                               | 5 462                            | 7 608                    | 345 601                             | 141 427      | 100 398                  | 110 586                  | 214 770                       | 13 210                      | 35 415                | 317 800     |
| 2013 | 16 339                                        | 11 505                                            | 6 126                               | 1 782                            | 6 887                    | 231 093                             | 147 853      | 42 576                   | 57 363                   | 239 285                       | 17 622                      | 12 678                | 170 540     |
| 2014 | 20 994                                        | 9 785                                             | 1 111                               | 783                              | 3 441                    | 245 788                             | 116 103      | 46 333                   | 189 140                  | 135 267                       | 13 923                      | 9 571                 | 271 532     |
| 2015 | 26 399                                        | 6 128                                             | 1 582                               | 4 938                            | 6 217                    | 228 866                             | 146 973      | 65 932                   | 85 040                   | 128 689                       | 142 820                     | 15 153                | 283 074     |
| 2016 | 6 857                                         | 2 636                                             | 7 203                               | 3 758                            | 5 613                    | 288 513                             | 98 687       | 33 772                   | 99 090                   | 110 628                       | 48 387                      | 5 233                 | 282 763     |
| 2017 | 14 160                                        | 2 575                                             | 4 949                               | 525                              | 8 022                    | 232 510                             | 111 176      | 67 641                   | 101 026                  | 103 794                       | 31 801                      | 6 175                 | 270 763     |

Note: The Standard Industrial Classification is the 8th Amendment.

Source: Investment Commission, MOEA

**Table 49. Approved inward and outward investment****I . Approved overseas Chinese and foreign investment**

10 Thousand US\$

| Year | Total    | Overseas Chinese | Foreign nationals | By industry                                       |                    |               |                          |                                     |              |                          |
|------|----------|------------------|-------------------|---------------------------------------------------|--------------------|---------------|--------------------------|-------------------------------------|--------------|--------------------------|
|      |          |                  |                   | Agriculture, forestry, fishing & animal husbandry | Mining & quarrying | Manufacturing | Electricity & gas supply | Water supply & remediation services | Construction | Wholesale & retail trade |
| 1952 | 107      | 107              | -                 | -                                                 | -                  | 107           | -                        | -                                   | -            | -                        |
| 1971 | 16 621   | 3 802            | 12 819            | 9                                                 | -                  | 13 548        | 219                      | -                                   | 1 674        | -                        |
| 1981 | 39 576   | 3 946            | 35 629            | -                                                 | -                  | 26 268        | 1 513                    | -                                   | 167          | -                        |
| 1991 | 177 842  | 21 946           | 155 896           | 22                                                | 9                  | 124 169       | 853                      | -                                   | 766          | -                        |
| 2001 | 512 852  | 4 722            | 508 129           | 1 802                                             | 3 945              | 177 049       | 2 915                    | 4 133                               | 10 605       | 79 015                   |
| 2008 | 823 711  | 3 368            | 820 343           | 251                                               | 277                | 238 671       | 1 053                    | 714                                 | 9 182        | 60 854                   |
| 2009 | 479 789  | 890              | 478 899           | 218                                               | 60                 | 99 060        | 123                      | 323                                 | 2 443        | 66 053                   |
| 2010 | 381 157  | 1 289            | 379 868           | 408                                               | 74                 | 132 100       | 2 239                    | 1 762                               | 3 579        | 38 802                   |
| 2011 | 495 543  | 5 153            | 490 390           | 3 087                                             | 318                | 146 325       | 1 683                    | 7                                   | 6 476        | 74 899                   |
| 2012 | 555 898  | 1 166            | 554 732           | 74                                                | 159                | 142 368       | 467                      | 714                                 | 4 601        | 101 782                  |
| 2013 | 493 345  | 897              | 492 448           | 295                                               | 55                 | 175 558       | 393                      | 388                                 | 3 454        | 70 261                   |
| 2014 | 577 002  | 1 881            | 575 121           | 536                                               | 1                  | 234 600       | 333                      | 398                                 | 3 688        | 78 466                   |
| 2015 | 479 685  | 1 484            | 478 200           | 194                                               | -                  | 133 155       | 285                      | 1 695                               | 1 058        | 106 918                  |
| 2016 | 1103 706 | 1 083            | 1102 623          | 1 607                                             | 18                 | 756 636       | 94                       | 26                                  | 6 822        | 119 507                  |
| 2017 | 751 319  | 940              | 750 379           | 3 012                                             | 4                  | 304 823       | 183                      | 1 356                               | 5 112        | 87 861                   |

  

| Year | By industry              |                               |                             |                       |             |                                               |                  |                                     |                                    |        |
|------|--------------------------|-------------------------------|-----------------------------|-----------------------|-------------|-----------------------------------------------|------------------|-------------------------------------|------------------------------------|--------|
|      | Transportation & storage | Accommodation & food services | Information & communication | Financial & insurance | Real estate | Professional, scientific & technical services | Support services | Human health & social work services | Arts, entertainment and recreation | Others |
| 1952 | -                        | -                             | -                           | -                     | -           | -                                             | -                | -                                   | -                                  | -      |
| 1971 | 14                       | 52                            | -                           | 925                   | -           | 179                                           | -                | -                                   | -                                  | -      |
| 1981 | 3                        | 12                            | -                           | 755                   | -           | 10 860                                        | -                | -                                   | -                                  | -      |
| 1991 | 2 997                    | 23 185                        | -                           | 12 210                | -           | 13 632                                        | -                | -                                   | -                                  | -      |
| 2001 | 1 284                    | 10 675                        | 48 452                      | 143 580               | 8 349       | 17 052                                        | 3 530            | -                                   | 313                                | 154    |
| 2008 | 5 850                    | 7 068                         | 9 122                       | 437 453               | 13 515      | 8 562                                         | 3 664            | 0                                   | 4                                  | 27 472 |
| 2009 | 3 061                    | 3 243                         | 5 197                       | 223 555               | 25 146      | 8 018                                         | 1 605            | -                                   | 23                                 | 41 661 |
| 2010 | 2 980                    | 1 147                         | 8 598                       | 151 492               | 13 606      | 10 996                                        | 4 178            | 73                                  | 73                                 | 9 049  |
| 2011 | 1 576                    | 2 783                         | 11 918                      | 182 359               | 24 327      | 22 742                                        | 1 939            | -                                   | 241                                | 14 864 |
| 2012 | 5 507                    | 2 818                         | 49 883                      | 207 769               | 17 515      | 12 398                                        | 4 296            | 0                                   | 482                                | 5 064  |
| 2013 | 12 552                   | 3 203                         | 7 798                       | 130 898               | 48 846      | 15 841                                        | 19 670           | 3                                   | 1 716                              | 2 414  |
| 2014 | 7 652                    | 6 193                         | 8 594                       | 157 136               | 48 927      | 19 815                                        | 7 981            | 8                                   | 2 086                              | 590    |
| 2015 | 2 065                    | 6 887                         | 15 447                      | 120 671               | 48 330      | 31 562                                        | 8 874            | -                                   | 2 110                              | 432    |
| 2016 | 2 446                    | 3 485                         | 18 766                      | 122 010               | 31 694      | 32 741                                        | 5 519            | 91                                  | 1 552                              | 692    |
| 2017 | 4 216                    | 9 709                         | 120 881                     | 93 970                | 71 703      | 44 584                                        | 2 791            | 441                                 | 237                                | 436    |

**Note:** The Standard Industrial Classification is the 8th Amendment.**Source:** Investment Commission, MOEA

**Table 49. Approved inward and outward investment (continued)****II. Approved outward investmen**

10 Thousand US\$

| Year | Total    | Asia    |             |               |           |                      |                                               |             |        |
|------|----------|---------|-------------|---------------|-----------|----------------------|-----------------------------------------------|-------------|--------|
|      |          | Japan   | South Korea | Hong Kong     | Singapore | Indonesia            | Malaysia                                      | Philippines |        |
| 1952 | 49       | 49      | -           | -             | -         | -                    | -                                             | -           | -      |
| 1971 | 121      | 111     | -           | -             | 3         | -                    | 4                                             | 14          | 6      |
| 1981 | 1 076    | 674     | -           | -             | 321       | 74                   | 196                                           | -           | -      |
| 1991 | 165 623  | 92 982  | 343         | 10            | 19 963    | 1 254                | 16 034                                        | 44 201      | 132    |
| 2001 | 439 165  | 81 498  | 16 903      | 1 210         | 9 490     | 37 830               | 612                                           | 4 552       | 4 620  |
| 2008 | 446 649  | 204 700 | 5 211       | 23 526        | 33 736    | 69 763               | 293                                           | 2 781       | 263    |
| 2009 | 300 555  | 76 546  | 10 275      | 968           | 24 124    | 3 670                | 152                                           | 8 354       | 2 183  |
| 2010 | 282 345  | 139 136 | 4 065       | 335           | 24 446    | 3 270                | 39                                            | 37 037      | 52     |
| 2011 | 369 683  | 172 392 | 25 235      | 2 800         | 25 435    | 44 859               | 114                                           | 13 020      | 6 917  |
| 2012 | 809 864  | 715 152 | 108 935     | 2 106         | 29 158    | 449 866              | 1 720                                         | 18 791      | 1 070  |
| 2013 | 523 227  | 289 458 | 17 050      | 6 099         | 31 640    | 15 829               | 2 847                                         | 10 345      | 5 893  |
| 2014 | 729 368  | 248 227 | 68 002      | 17 115        | 42 342    | 13 677               | 11 667                                        | 3 179       | 4 093  |
| 2015 | 1074 519 | 466 067 | 30 379      | 33 605        | 49 214    | 23 003               | 40 483                                        | 10 359      | 64 428 |
| 2016 | 1212 309 | 748 802 | 450 422     | 21 433        | 40 771    | 155 389              | 4 563                                         | 7 997       | 6 176  |
| 2017 | 1157 321 | 356 942 | 20 204      | 892           | 29 480    | 91 564               | 12 225                                        | 31 272      | 22 573 |
| Year | Asia     |         |             | North America | Europe    | Middle-South America | British overseas territories in the Caribbean | Oceania     | Africa |
|      | Thailand | Vietnam | India       |               |           |                      |                                               |             |        |
| 1952 | 49       | -       | -           | -             | -         | -                    | -                                             | -           | -      |
| 1971 | 84       | -       | -           | 10            | -         | -                    | -                                             | -           | -      |
| 1981 | 7        | -       | -           | 165           | 223       | 15                   | -                                             | -           | -      |
| 1991 | 8 643    | 1 714   | 20          | 31 204        | 6 049     | 34 692               | 26 787                                        | 244         | 452    |
| 2001 | 1 629    | 3 091   | 311         | 134 173       | 4 687     | 211 917              | 169 337                                       | 6 284       | 607    |
| 2008 | 930      | 63 932  | 1 625       | 40 108        | 13 769    | 171 516              | 168 646                                       | 15 252      | 1 305  |
| 2009 | 1 496    | 24 277  | 316         | 111 438       | 9 954     | 84 469               | 54 366                                        | 14 390      | 3 759  |
| 2010 | 868      | 67 012  | 362         | 50 662        | 5 060     | 78 418               | 56 769                                        | 8 211       | 858    |
| 2011 | 1 166    | 45 774  | 6 705       | 73 215        | 3 925     | 104 886              | 80 046                                        | 12 207      | 3 057  |
| 2012 | 6 124    | 94 400  | 2 093       | 15 781        | 7 149     | 31 089               | 17 583                                        | 37 036      | 3 658  |
| 2013 | 7 827    | 173 648 | 6 504       | 41 661        | 16 890    | 40 262               | 23 308                                        | 133 268     | 1 687  |
| 2014 | 8 282    | 64 650  | 3 349       | 28 994        | 93 630    | 313 607              | 308 395                                       | 39 456      | 5 454  |
| 2015 | 77 492   | 122 752 | 7 216       | 36 346        | 251 136   | 309 098              | 289 751                                       | 7 103       | 4 769  |
| 2016 | 5 473    | 45 193  | 1 494       | 37 712        | 113 697   | 289 759              | 271 871                                       | 16 048      | 6 291  |
| 2017 | 55 828   | 68 309  | 3 056       | 85 066        | 23 271    | 609 983              | 592 031                                       | 78 053      | 4 005  |

Table 50. Indices of consumer price

2016=100

| Year        | General index | Food   | Clothing | Housing | Transportation & communication | Equipment for transportation & communication | Fuels & lubricants |
|-------------|---------------|--------|----------|---------|--------------------------------|----------------------------------------------|--------------------|
| Item        | 370           | 171    | 23       | 46      | 31                             | 5                                            | 5                  |
| Weights (‰) | 1000.00       | 251.94 | 37.68    | 271.35  | 153.36                         | 30.75                                        | 35.24              |
| 1989        | 66.87         | 57.23  | 95.03    | 72.44   | 79.82                          | 120.05                                       | 44.50              |
| 1991        | 68.65         | 50.42  | 92.30    | 79.67   | 93.10                          | 119.63                                       | 73.52              |
| 1996        | 82.12         | 64.91  | 95.36    | 94.09   | 96.08                          | 120.71                                       | 68.98              |
| 2001        | 85.46         | 66.46  | 88.92    | 96.14   | 99.63                          | 114.97                                       | 82.09              |
| 2006        | 88.95         | 73.63  | 89.84    | 95.09   | 103.22                         | 105.45                                       | 111.72             |
| 2008        | 93.74         | 82.21  | 93.24    | 97.50   | 107.55                         | 103.32                                       | 126.84             |
| 2009        | 92.92         | 81.84  | 92.58    | 97.17   | 103.25                         | 98.63                                        | 113.65             |
| 2010        | 93.82         | 82.35  | 94.14    | 97.62   | 106.21                         | 101.99                                       | 125.50             |
| 2011        | 95.15         | 84.21  | 96.84    | 98.46   | 107.73                         | 102.37                                       | 134.67             |
| 2012        | 96.99         | 87.72  | 99.28    | 99.60   | 108.21                         | 102.77                                       | 142.45             |
| 2013        | 97.76         | 88.82  | 99.09    | 100.51  | 108.69                         | 102.00                                       | 146.30             |
| 2014        | 98.93         | 92.15  | 100.36   | 101.39  | 107.39                         | 100.43                                       | 141.65             |
| 2015        | 98.63         | 95.03  | 99.80    | 100.24  | 101.13                         | 100.41                                       | 106.25             |
| 2016        | 100.00        | 100.00 | 100.00   | 100.00  | 100.00                         | 100.00                                       | 100.00             |
| 2017        | 100.62        | 99.63  | 99.76    | 100.86  | 101.81                         | 99.34                                        | 109.36             |

  

| Year        | Transportation & communication                                | Health | Education & entertainment |                      |                        | Miscellaneous | General index excluding fruits, vegetables, fish, seafood & energy |
|-------------|---------------------------------------------------------------|--------|---------------------------|----------------------|------------------------|---------------|--------------------------------------------------------------------|
|             | Services and vehicle parts for transportation & communication |        |                           | Educational expenses | Entertainment expenses |               |                                                                    |
| Item        | 21                                                            | 22     | 49                        | 24                   | 25                     | 28            | 275                                                                |
| Weights (‰) | 87.36                                                         | 49.24  | 168.44                    | 97.20                | 71.24                  | 67.99         | 874.69                                                             |
| 1989        | 84.73                                                         | 55.65  | 55.13                     | 49.86                | 75.01                  | 63.25         | 66.77                                                              |
| 1991        | 92.57                                                         | 59.51  | 64.13                     | 59.62                | 80.57                  | 66.45         | 71.58                                                              |
| 1996        | 100.55                                                        | 67.01  | 86.65                     | 85.77                | 92.25                  | 75.32         | 84.29                                                              |
| 2001        | 104.16                                                        | 75.71  | 99.56                     | 103.87               | 94.04                  | 79.24         | 87.74                                                              |
| 2006        | 101.85                                                        | 87.46  | 98.43                     | 103.70               | 91.19                  | 86.12         | 89.62                                                              |
| 2008        | 104.18                                                        | 93.45  | 100.33                    | 103.64               | 95.95                  | 88.86         | 93.89                                                              |
| 2009        | 103.26                                                        | 94.00  | 98.54                     | 102.49               | 93.31                  | 90.97         | 93.85                                                              |
| 2010        | 102.79                                                        | 94.59  | 98.49                     | 101.28               | 94.83                  | 93.36         | 94.40                                                              |
| 2011        | 101.85                                                        | 96.49  | 99.00                     | 101.14               | 96.22                  | 94.54         | 95.58                                                              |
| 2012        | 99.61                                                         | 97.21  | 99.68                     | 100.91               | 98.11                  | 96.57         | 96.53                                                              |
| 2013        | 99.31                                                         | 98.21  | 100.01                    | 100.88               | 98.87                  | 97.07         | 97.17                                                              |
| 2014        | 99.15                                                         | 98.85  | 99.94                     | 100.42               | 99.30                  | 98.36         | 98.40                                                              |
| 2015        | 99.78                                                         | 99.14  | 99.91                     | 100.11               | 99.64                  | 98.63         | 99.17                                                              |
| 2016        | 100.00                                                        | 100.00 | 100.00                    | 100.00               | 100.00                 | 100.00        | 100.00                                                             |
| 2017        | 100.33                                                        | 101.71 | 100.29                    | 100.43               | 100.12                 | 101.90        | 101.04                                                             |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan

**Table 51. Indices of wholesale price**

2016=100

| Year        | General index | Agriculture, forestry, fishing & animal husbandry products |               |                              |                 |                  | Quarrying & mineral products |
|-------------|---------------|------------------------------------------------------------|---------------|------------------------------|-----------------|------------------|------------------------------|
|             |               |                                                            | Farm products | Poultry & livestock products | Forest products | Fishery products |                              |
| Item        | 1,142         | 130                                                        | 90            | 7                            | 2               | 31               | 11                           |
| Weights (‰) | 1000.00       | 28.46                                                      | 15.22         | 6.96                         | 0.33            | 5.95             | 68.10                        |
| 1989        | 87.74         | 50.64                                                      | 51.92         | 72.22                        | 27.30           | 41.00            | 29.45                        |
| 1991        | 87.35         | 46.54                                                      | 52.05         | 50.55                        | 28.05           | 40.88            | 31.24                        |
| 1996        | 93.68         | 63.28                                                      | 66.22         | 71.84                        | 44.79           | 58.68            | 34.81                        |
| 2001        | 89.95         | 55.42                                                      | 60.38         | 52.03                        | 52.74           | 52.32            | 51.84                        |
| 2006        | 104.91        | 65.29                                                      | 69.55         | 65.47                        | 82.91           | 57.80            | 120.24                       |
| 2008        | 117.44        | 86.54                                                      | 92.90         | 87.78                        | 92.51           | 73.78            | 180.34                       |
| 2009        | 107.19        | 80.82                                                      | 81.30         | 84.84                        | 82.53           | 76.08            | 134.55                       |
| 2010        | 113.04        | 85.04                                                      | 85.71         | 86.86                        | 94.48           | 81.53            | 159.24                       |
| 2011        | 117.92        | 95.24                                                      | 95.97         | 92.57                        | 94.74           | 95.88            | 200.52                       |
| 2012        | 116.55        | 96.14                                                      | 97.27         | 87.23                        | 88.62           | 101.77           | 202.59                       |
| 2013        | 113.72        | 90.88                                                      | 91.20         | 89.39                        | 95.79           | 91.57            | 194.34                       |
| 2014        | 113.08        | 95.24                                                      | 91.36         | 102.65                       | 102.91          | 95.94            | 181.45                       |
| 2015        | 103.07        | 93.66                                                      | 90.41         | 99.56                        | 101.69          | 94.55            | 114.81                       |
| 2016        | 100.00        | 100.00                                                     | 100.00        | 100.00                       | 100.00          | 100.00           | 100.00                       |
| 2017        | 100.90        | 95.68                                                      | 91.95         | 98.11                        | 103.22          | 101.77           | 122.24                       |

  

| Year        | Manufacturing products | Food products & prepared animal feeds | Beverages | Tobaccos | Textile products | Wearing apparel & clothing accessories | Leather, fur & related products |
|-------------|------------------------|---------------------------------------|-----------|----------|------------------|----------------------------------------|---------------------------------|
|             |                        |                                       |           |          |                  |                                        |                                 |
| Item        | 993                    | 62                                    | 16        | 2        | 42               | 11                                     | 10                              |
| Weights (‰) | 876.63                 | 23.64                                 | 5.11      | 2.24     | 18.30            | 3.47                                   | 3.83                            |
| 1989        | 96.57                  | 61.96                                 | 77.30     | 43.89    | 70.94            | 73.12                                  | 52.24                           |
| 1991        | 96.58                  | 59.83                                 | 76.30     | 43.88    | 78.61            | 75.63                                  | 59.61                           |
| 1996        | 101.90                 | 73.53                                 | 75.07     | 44.27    | 80.21            | 85.59                                  | 62.57                           |
| 2001        | 96.85                  | 64.75                                 | 77.03     | 45.74    | 81.83            | 96.92                                  | 74.72                           |
| 2006        | 108.41                 | 75.05                                 | 95.51     | 66.66    | 84.70            | 87.00                                  | 77.16                           |
| 2008        | 117.13                 | 90.85                                 | 97.49     | 68.32    | 89.90            | 84.40                                  | 80.84                           |
| 2009        | 108.00                 | 88.66                                 | 98.49     | 74.31    | 90.58            | 87.21                                  | 80.43                           |
| 2010        | 112.95                 | 94.63                                 | 98.27     | 78.42    | 95.81            | 85.17                                  | 84.93                           |
| 2011        | 115.54                 | 100.33                                | 98.58     | 80.84    | 105.56           | 88.05                                  | 86.59                           |
| 2012        | 113.51                 | 100.98                                | 101.64    | 87.40    | 103.47           | 92.69                                  | 89.70                           |
| 2013        | 110.75                 | 101.47                                | 102.49    | 89.97    | 102.72           | 93.53                                  | 93.37                           |
| 2014        | 110.19                 | 103.01                                | 101.94    | 95.19    | 102.97           | 96.33                                  | 100.93                          |
| 2015        | 102.58                 | 99.87                                 | 100.27    | 97.35    | 101.83           | 101.31                                 | 99.69                           |
| 2016        | 100.00                 | 100.00                                | 100.00    | 100.00   | 100.00           | 100.00                                 | 100.00                          |
| 2017        | 100.20                 | 99.79                                 | 98.25     | 112.43   | 97.51            | 95.12                                  | 99.16                           |

Source: Directorate-General of Budget, Accounting and Statistics, Executive Yuan



**Table 51. Indices of wholesale price (continued)**

2016=100

| Year        | Manufacturing products |                                              |                           |                                                              |                           |                               |              |                           |
|-------------|------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|---------------------------|-------------------------------|--------------|---------------------------|
|             | Wood & bamboo products | Pulp, paper, paper products & printed matter | Petroleum & coal products | Chemical material, other chemical products & pharmaceuticals | Rubber & plastic products | Non-metallic mineral products | Basic metals | Fabricated metal products |
| Item        | 8                      | 34                                           | 19                        | 154                                                          | 41                        | 28                            | 87           | 74                        |
| Weights (%) | 1.79                   | 13.84                                        | 63.88                     | 117.65                                                       | 23.42                     | 19.84                         | 80.93        | 39.13                     |
| 1989        | 51.32                  | 79.97                                        | 50.20                     | 72.33                                                        | 73.88                     | 100.52                        | 64.27        | 68.28                     |
| 1991        | 54.71                  | 80.58                                        | 59.06                     | 71.79                                                        | 72.22                     | 102.94                        | 59.93        | 68.35                     |
| 1996        | 67.41                  | 91.14                                        | 55.01                     | 75.27                                                        | 79.86                     | 107.35                        | 59.72        | 70.88                     |
| 2001        | 73.92                  | 85.12                                        | 73.56                     | 74.60                                                        | 80.28                     | 99.68                         | 55.19        | 71.75                     |
| 2006        | 81.19                  | 89.19                                        | 128.74                    | 109.44                                                       | 88.89                     | 115.10                        | 118.36       | 95.99                     |
| 2008        | 88.94                  | 103.45                                       | 174.44                    | 124.37                                                       | 97.87                     | 130.23                        | 159.40       | 114.09                    |
| 2009        | 86.40                  | 95.08                                        | 130.28                    | 107.32                                                       | 100.25                    | 129.08                        | 116.38       | 102.14                    |
| 2010        | 92.96                  | 107.62                                       | 154.05                    | 123.48                                                       | 101.61                    | 123.06                        | 140.63       | 106.86                    |
| 2011        | 93.63                  | 107.34                                       | 182.66                    | 135.72                                                       | 104.62                    | 119.52                        | 147.07       | 108.39                    |
| 2012        | 94.11                  | 102.23                                       | 192.24                    | 128.41                                                       | 104.69                    | 116.90                        | 132.71       | 104.25                    |
| 2013        | 98.54                  | 100.61                                       | 189.22                    | 126.16                                                       | 101.70                    | 107.01                        | 123.26       | 102.62                    |
| 2014        | 101.89                 | 100.83                                       | 182.25                    | 123.85                                                       | 100.57                    | 105.03                        | 122.99       | 104.22                    |
| 2015        | 102.01                 | 101.20                                       | 119.31                    | 104.95                                                       | 99.57                     | 99.18                         | 105.64       | 101.72                    |
| 2016        | 100.00                 | 100.00                                       | 100.00                    | 100.00                                                       | 100.00                    | 100.00                        | 100.00       | 100.00                    |
| 2017        | 96.76                  | 102.05                                       | 114.40                    | 105.41                                                       | 97.24                     | 94.44                         | 112.60       | 101.41                    |

  

| Year        | Manufacturing products        |                                          |                      |                       |                             |                      |                        | Water supply, electricity & gas |
|-------------|-------------------------------|------------------------------------------|----------------------|-----------------------|-----------------------------|----------------------|------------------------|---------------------------------|
|             | Electronic parts & components | Computers, electronic & optical products | Electrical equipment | Machinery & equipment | Transport equipment & parts | Furniture & fixtures | Miscellaneous products |                                 |
| Item        | 63                            | 51                                       | 56                   | 93                    | 40                          | 9                    | 20                     | 8                               |
| Weights (%) | 227.68                        | 67.69                                    | 27.16                | 60.18                 | 36.02                       | 3.96                 | 7.95                   | 26.82                           |
| 1989        | 273.49                        | -                                        | -                    | 79.90                 | 80.07                       | 61.29                | 59.16                  | 75.15                           |
| 1991        | 276.78                        | 303.07                                   | 83.60                | 81.94                 | 81.48                       | 62.05                | 66.08                  | 75.22                           |
| 1996        | 262.76                        | 293.83                                   | 86.42                | 88.74                 | 89.39                       | 70.02                | 79.19                  | 75.05                           |
| 2001        | 191.56                        | 217.16                                   | 80.11                | 92.72                 | 91.84                       | 77.92                | 85.46                  | 77.14                           |
| 2006        | 136.77                        | 155.35                                   | 95.32                | 91.69                 | 90.21                       | 85.42                | 86.64                  | 82.95                           |
| 2008        | 115.96                        | 135.91                                   | 101.72               | 96.92                 | 93.75                       | 91.27                | 86.68                  | 94.12                           |
| 2009        | 114.61                        | 135.47                                   | 98.00                | 102.79                | 97.76                       | 93.08                | 89.00                  | 102.49                          |
| 2010        | 109.34                        | 125.45                                   | 103.20               | 101.55                | 97.40                       | 91.41                | 88.76                  | 105.70                          |
| 2011        | 101.43                        | 118.13                                   | 105.46               | 102.82                | 98.76                       | 92.36                | 91.09                  | 106.58                          |
| 2012        | 101.23                        | 118.20                                   | 104.27               | 104.12                | 99.88                       | 94.32                | 92.89                  | 113.76                          |
| 2013        | 99.90                         | 113.45                                   | 101.99               | 99.12                 | 99.03                       | 94.45                | 96.43                  | 121.72                          |
| 2014        | 101.18                        | 107.74                                   | 101.81               | 98.83                 | 99.34                       | 96.73                | 98.48                  | 128.94                          |
| 2015        | 101.32                        | 103.36                                   | 100.61               | 97.83                 | 99.34                       | 100.45               | 99.76                  | 113.45                          |
| 2016        | 100.00                        | 100.00                                   | 100.00               | 100.00                | 100.00                      | 100.00               | 100.00                 | 100.00                          |
| 2017        | 96.16                         | 96.09                                    | 98.58                | 95.54                 | 97.38                       | 97.13                | 96.98                  | 99.35                           |



## EXTERNAL TRADE

Table 52. Export orders by products

Million US\$

| Year | Total       |                               |                                                               |                      |                                                  |                     |
|------|-------------|-------------------------------|---------------------------------------------------------------|----------------------|--------------------------------------------------|---------------------|
|      |             | Chemicals                     | Plastics and articles thereof;<br>rubber and articles thereof | Textile products     | Basic metals and articles thereof                | Electronic products |
| 1984 | 31 776      | 445                           | 1 494                                                         | 6 103                | 2 416                                            | 3 623               |
| 1991 | 74 953      | 1 521                         | 5 041                                                         | 12 164               | 5 729                                            | 7 787               |
| 1996 | 118 955     | 3 698                         | 7 562                                                         | 15 016               | 9 793                                            | 17 001              |
| 2001 | 135 715     | 4 899                         | 8 070                                                         | 13 177               | 12 505                                           | 26 123              |
| 2006 | 299 312     | 13 276                        | 16 145                                                        | 12 895               | 24 564                                           | 68 821              |
| 2008 | 351 728     | 18 825                        | 19 957                                                        | 11 694               | 28 110                                           | 82 094              |
| 2009 | 322 432     | 15 431                        | 18 197                                                        | 9 793                | 21 226                                           | 78 205              |
| 2010 | 406 714     | 21 780                        | 23 636                                                        | 11 504               | 27 137                                           | 99 345              |
| 2011 | 436 121     | 24 603                        | 25 485                                                        | 13 418               | 30 652                                           | 101 908             |
| 2012 | 441 004     | 23 258                        | 24 893                                                        | 13 069               | 28 701                                           | 103 346             |
| 2013 | 442 929     | 22 913                        | 23 980                                                        | 13 043               | 27 435                                           | 106 007             |
| 2014 | 472 814     | 22 785                        | 23 765                                                        | 13 167               | 28 515                                           | 118 682             |
| 2015 | 451 814     | 20 043                        | 20 589                                                        | 12 672               | 24 136                                           | 115 652             |
| 2016 | 444 536     | 19 063                        | 19 743                                                        | 11 910               | 23 589                                           | 118 649             |
| 2017 | 492 805     | 21 401                        | 22 997                                                        | 12 256               | 27 391                                           | 126 972             |
| Year |             |                               |                                                               |                      |                                                  |                     |
|      | Machineries | Electrical machinery products | Information & communication products                          | Transport equipments | Optical, photographic, cinematographic apparatus | Mineral products    |
| 1984 | 1 462       | 763                           | 1 113                                                         | 1 240                | 668                                              | -                   |
| 1991 | 6 068       | 2 510                         | 5 860                                                         | 4 349                | 1 983                                            | -                   |
| 1996 | 7 871       | 4 133                         | 18 150                                                        | 5 583                | 2 374                                            | -                   |
| 2001 | 8 021       | 5 065                         | 24 251                                                        | 4 458                | 3 639                                            | -                   |
| 2006 | 13 967      | 17 157                        | 61 735                                                        | 8 545                | 20 645                                           | -                   |
| 2008 | 14 648      | 16 926                        | 79 855                                                        | 9 333                | 28 484                                           | -                   |
| 2009 | 10 484      | 16 768                        | 79 323                                                        | 7 076                | 28 187                                           | -                   |
| 2010 | 16 122      | 20 811                        | 100 587                                                       | 8 976                | 36 699                                           | -                   |
| 2011 | 20 849      | 17 892                        | 109 029                                                       | 10 658               | 36 718                                           | -                   |
| 2012 | 20 645      | 17 568                        | 110 563                                                       | 11 442               | 37 012                                           | -                   |
| 2013 | 20 079      | 16 218                        | 116 191                                                       | 11 928               | 34 437                                           | -                   |
| 2014 | 22 418      | 16 434                        | 127 083                                                       | 12 217               | 32 274                                           | 11 937              |
| 2015 | 20 647      | 15 591                        | 133 234                                                       | 11 647               | 27 001                                           | 10 485              |
| 2016 | 20 334      | 17 258                        | 133 501                                                       | 10 851               | 22 716                                           | 9 192               |
| 2017 | 23 181      | 19 191                        | 147 569                                                       | 11 398               | 26 956                                           | 10 900              |

Source: Ministry of Economic Affairs

**Table 53. Value of external trade**

Million

| Year | In N. T. dollars |               |               | In U. S. dollars |               |               |
|------|------------------|---------------|---------------|------------------|---------------|---------------|
|      | Total exports    | Total imports | Trade balance | Total exports    | Total imports | Trade balance |
| 2003 | 5 206 099        | 4 480 623     | 725 476       | 151 345          | 130 249       | 21 096        |
| 2004 | 6 148 896        | 5 741 852     | 407 044       | 183 643          | 171 554       | 12 089        |
| 2005 | 6 427 175        | 5 958 755     | 468 420       | 199 761          | 185 438       | 14 323        |
| 2006 | 7 351 935        | 6 715 964     | 635 972       | 225 904          | 206 442       | 19 462        |
| 2007 | 8 169 680        | 7 327 740     | 841 940       | 248 792          | 223 115       | 25 677        |
| 2008 | 8 099 233        | 7 665 053     | 434 180       | 258 051          | 244 467       | 13 585        |
| 2009 | 6 784 756        | 5 855 213     | 929 543       | 205 663          | 177 598       | 28 065        |
| 2010 | 8 777 894        | 8 090 249     | 687 645       | 278 008          | 256 274       | 21 734        |
| 2011 | 9 194 198        | 8 460 721     | 733 478       | 312 923          | 288 062       | 24 861        |
| 2012 | 9 069 839        | 8 211 047     | 858 792       | 306 409          | 277 324       | 29 085        |
| 2013 | 9 235 715        | 8 242 848     | 992 867       | 311 428          | 278 010       | 33 418        |
| 2014 | 9 683 403        | 8 524 959     | 1 158 444     | 320 092          | 281 850       | 38 242        |
| 2015 | 9 042 128        | 7 514 576     | 1 527 553     | 285 344          | 237 219       | 48 124        |
| 2016 | 9 033 549        | 7 428 996     | 1 604 553     | 280 321          | 230 568       | 49 753        |
| 2017 | 9 658 687        | 7 896 446     | 1 762 242     | 317 249          | 259 266       | 57 983        |

**Note:** All figures are compiled according to the General Trade System.**Source:** Ministry of Finance

**Table 54. Trade index**

Reference year: 2016

| Year | Value index |         | Quantum index  |         | Unit value index |                | Net terms<br>of trade<br>(D)=(B)/(C)*100 | Income terms<br>of trade<br>(E)=(A)*(D)/100 |
|------|-------------|---------|----------------|---------|------------------|----------------|------------------------------------------|---------------------------------------------|
|      | Exports     | Imports | Exports<br>(A) | Imports | Exports<br>(B)   | Imports<br>(C) |                                          |                                             |
| 2011 | 101.78      | 113.89  | 91.61          | 90.93   | 111.10           | 125.25         | 88.70                                    | 81.26                                       |
| 2012 | 100.40      | 110.53  | 91.58          | 88.79   | 109.63           | 124.49         | 88.06                                    | 80.65                                       |
| 2013 | 102.24      | 110.96  | 95.51          | 92.87   | 107.04           | 119.48         | 89.59                                    | 85.57                                       |
| 2014 | 107.19      | 114.75  | 99.70          | 97.76   | 107.51           | 117.38         | 91.59                                    | 91.32                                       |
| 2015 | 100.09      | 101.15  | 98.05          | 100.34  | 102.08           | 100.81         | 101.26                                   | 99.29                                       |
| 2016 | 100.00      | 100.00  | 100.00         | 100.00  | 100.00           | 100.00         | 100.00                                   | 100.00                                      |
| 2017 | 106.92      | 106.29  | 107.72         | 105.02  | 99.26            | 101.21         | 98.07                                    | 105.64                                      |

**Note:** All figures are compiled according to the General Trade System.**Source:** Ministry of Finance

**Table 55. Composition of exports and imports****I . Imports**

| Year | Total<br>(Million US\$)       |       | By the characteristic of goods (Million US\$) |                                                  |                   |        | By input factor intension (%) |       |       |
|------|-------------------------------|-------|-----------------------------------------------|--------------------------------------------------|-------------------|--------|-------------------------------|-------|-------|
|      |                               |       | Capital<br>goods                              | Agricultural<br>& industrial<br>raw<br>materials | Consumer<br>goods | Others | Degree of labor intension     |       |       |
|      |                               |       |                                               |                                                  |                   |        | High                          | Mid   | Low   |
| 2003 | 130 249                       |       | 24 494                                        | 92 139                                           | 12 182            | 1 433  | 35.88                         | 52.10 | 12.03 |
| 2004 | 171 554                       |       | 34 609                                        | 121 123                                          | 14 327            | 1 495  | 37.41                         | 49.78 | 12.81 |
| 2005 | 185 438                       |       | 33 482                                        | 133 611                                          | 16 633            | 1 711  | 36.10                         | 49.53 | 14.37 |
| 2006 | 206 442                       |       | 33 347                                        | 154 627                                          | 17 064            | 1 405  | 34.07                         | 49.94 | 15.99 |
| 2007 | 223 115                       |       | 34 346                                        | 168 986                                          | 18 350            | 1 434  | 33.39                         | 48.50 | 18.11 |
| 2008 | 244 467                       |       | 31 193                                        | 192 584                                          | 19 151            | 1 540  | 30.24                         | 45.05 | 24.71 |
| 2009 | 177 598                       |       | 23 708                                        | 134 189                                          | 18 047            | 1 654  | 33.08                         | 48.96 | 17.96 |
| 2010 | 256 274                       |       | 39 140                                        | 191 828                                          | 23 185            | 2 121  | 34.31                         | 47.59 | 18.10 |
| 2011 | 288 062                       |       | 37 498                                        | 220 673                                          | 27 479            | 2 412  | 32.19                         | 46.72 | 21.09 |
| 2012 | 277 324                       |       | 34 914                                        | 212 031                                          | 28 218            | 2 160  | 31.19                         | 48.54 | 20.28 |
| 2013 | 278 010                       |       | 36 742                                        | 208 395                                          | 29 712            | 3 160  | 30.62                         | 48.84 | 20.53 |
| 2014 | 281 850                       |       | 38 479                                        | 207 797                                          | 31 469            | 4 104  | 32.19                         | 48.86 | 18.95 |
| 2015 | 237 219                       |       | 38 054                                        | 162 615                                          | 32 002            | 4 549  | 36.38                         | 47.53 | 16.09 |
| 2016 | 230 568                       |       | 42 660                                        | 153 096                                          | 31 525            | 3 288  | 35.05                         | 49.80 | 15.16 |
| 2017 | 259 266                       |       | 42 476                                        | 179 073                                          | 34 015            | 3 702  | 33.75                         | 50.76 | 15.48 |
| Year | By input factor intension (%) |       |                                               |                                                  |                   |        |                               |       |       |
|      | Degree of capital intension   |       |                                               | Degree of technique intension                    |                   |        | Degree of energy intension    |       |       |
|      | High                          | Mid   | Low                                           | High                                             | Mid               | Low    | High                          | Mid   | Low   |
| 2003 | 40.69                         | 55.68 | 3.63                                          | 59.14                                            | 27.55             | 13.31  | 31.27                         | 43.29 | 25.44 |
| 2004 | 40.81                         | 55.26 | 3.93                                          | 56.17                                            | 31.27             | 12.56  | 33.58                         | 41.40 | 25.02 |
| 2005 | 42.80                         | 53.21 | 3.98                                          | 55.23                                            | 32.43             | 12.34  | 35.95                         | 41.28 | 22.77 |
| 2006 | 44.50                         | 50.97 | 4.53                                          | 54.67                                            | 33.51             | 11.82  | 37.80                         | 42.83 | 19.37 |
| 2007 | 45.11                         | 50.21 | 4.68                                          | 53.55                                            | 34.55             | 11.90  | 40.17                         | 41.67 | 18.16 |
| 2008 | 47.86                         | 47.25 | 4.90                                          | 50.48                                            | 37.61             | 11.91  | 46.88                         | 38.54 | 14.58 |
| 2009 | 44.53                         | 50.74 | 4.73                                          | 54.27                                            | 33.66             | 12.07  | 40.41                         | 42.41 | 17.18 |
| 2010 | 44.58                         | 51.24 | 4.17                                          | 53.47                                            | 35.04             | 11.48  | 40.73                         | 41.00 | 18.27 |
| 2011 | 45.52                         | 50.04 | 4.44                                          | 53.32                                            | 34.87             | 11.80  | 43.56                         | 39.77 | 16.67 |
| 2012 | 43.63                         | 51.75 | 4.62                                          | 54.67                                            | 33.86             | 11.48  | 45.12                         | 38.50 | 16.38 |
| 2013 | 44.28                         | 50.65 | 5.08                                          | 54.61                                            | 34.20             | 11.19  | 44.52                         | 38.74 | 16.74 |
| 2014 | 43.79                         | 50.41 | 5.81                                          | 54.77                                            | 34.06             | 11.17  | 42.47                         | 39.98 | 17.55 |
| 2015 | 43.56                         | 49.41 | 7.03                                          | 52.21                                            | 35.91             | 11.87  | 34.62                         | 45.85 | 19.53 |
| 2016 | 44.63                         | 49.01 | 6.36                                          | 52.87                                            | 35.69             | 11.43  | 31.85                         | 49.35 | 18.80 |
| 2017 | 45.64                         | 48.40 | 5.96                                          | 54.84                                            | 33.39             | 11.77  | 33.72                         | 48.20 | 18.08 |

**Note:** All figures are compiled according to the General Trade System.**Source:** Ministry of Finance

Table 55. Composition of exports and imports (continued)

## II. Exports

Million US\$

| Year | Total<br>(Million US\$)       |       | By the characteristic of goods (Million US\$) |                               |                   |        | By input factor intension (%) |       |       |
|------|-------------------------------|-------|-----------------------------------------------|-------------------------------|-------------------|--------|-------------------------------|-------|-------|
|      |                               |       | Capital<br>goods                              | Intermediate<br>products      | Consumer<br>goods | Others | Degree of labor intension     |       |       |
|      |                               |       |                                               |                               |                   |        | High                          | Mid   | Low   |
| 2003 | 151 345                       |       | 23 753                                        | 104 134                       | 23 016            | 442    | 32.04                         | 43.35 | 24.62 |
| 2004 | 183 643                       |       | 26 485                                        | 133 416                       | 23 239            | 502    | 32.36                         | 43.52 | 24.12 |
| 2005 | 199 761                       |       | 27 318                                        | 149 297                       | 22 069            | 1 077  | 32.26                         | 43.06 | 24.68 |
| 2006 | 225 904                       |       | 26 846                                        | 174 362                       | 23 660            | 1 037  | 31.87                         | 43.88 | 24.25 |
| 2007 | 248 792                       |       | 28 473                                        | 195 512                       | 23 804            | 1 003  | 32.27                         | 41.57 | 26.16 |
| 2008 | 258 051                       |       | 29 017                                        | 203 674                       | 24 237            | 1 123  | 32.26                         | 39.94 | 27.80 |
| 2009 | 205 663                       |       | 21 770                                        | 161 906                       | 20 915            | 1 072  | 30.74                         | 43.70 | 25.57 |
| 2010 | 278 008                       |       | 29 959                                        | 217 387                       | 29 444            | 1 219  | 31.58                         | 43.43 | 24.99 |
| 2011 | 312 923                       |       | 34 374                                        | 240 758                       | 36 514            | 1 277  | 30.07                         | 43.66 | 26.28 |
| 2012 | 306 409                       |       | 34 843                                        | 238 077                       | 32 189            | 1 299  | 30.17                         | 43.22 | 26.61 |
| 2013 | 311 428                       |       | 33 211                                        | 244 494                       | 32 079            | 1 645  | 29.16                         | 44.09 | 26.75 |
| 2014 | 320 092                       |       | 34 897                                        | 251 859                       | 31 635            | 1 701  | 29.73                         | 45.68 | 24.59 |
| 2015 | 285 344                       |       | 34 246                                        | 220 782                       | 28 544            | 1 771  | 31.81                         | 48.99 | 19.20 |
| 2016 | 280 321                       |       | 34 843                                        | 217 336                       | 26 413            | 1 729  | 30.34                         | 51.85 | 17.81 |
| 2017 | 317 249                       |       | 39 600                                        | 248 138                       | 27 670            | 1 841  | 28.28                         | 53.70 | 18.02 |
| Year | By input factor intension (%) |       |                                               |                               |                   |        |                               |       |       |
|      | Degree of capital intension   |       |                                               | Degree of technique intension |                   |        | Degree of energy intension    |       |       |
|      | High                          | Mid   | Low                                           | High                          | Mid               | Low    | High                          | Mid   | Low   |
| 2003 | 45.26                         | 49.31 | 5.43                                          | 57.74                         | 30.66             | 11.60  | 22.25                         | 45.84 | 31.91 |
| 2004 | 50.93                         | 44.44 | 4.64                                          | 58.33                         | 31.39             | 10.27  | 23.84                         | 45.54 | 30.62 |
| 2005 | 55.24                         | 40.54 | 4.21                                          | 57.75                         | 33.04             | 9.21   | 26.14                         | 44.72 | 29.13 |
| 2006 | 59.50                         | 36.63 | 3.87                                          | 59.64                         | 32.02             | 8.34   | 25.75                         | 46.87 | 27.38 |
| 2007 | 61.93                         | 34.40 | 3.67                                          | 58.97                         | 33.25             | 7.78   | 28.19                         | 44.65 | 27.16 |
| 2008 | 62.27                         | 34.01 | 3.72                                          | 57.24                         | 35.52             | 7.23   | 30.27                         | 42.65 | 27.07 |
| 2009 | 61.47                         | 34.69 | 3.84                                          | 59.45                         | 33.34             | 7.21   | 28.35                         | 45.83 | 25.83 |
| 2010 | 61.99                         | 34.47 | 3.53                                          | 60.82                         | 32.56             | 6.62   | 27.58                         | 44.95 | 27.47 |
| 2011 | 60.44                         | 35.95 | 3.61                                          | 59.14                         | 34.32             | 6.54   | 28.70                         | 44.84 | 26.46 |
| 2012 | 60.99                         | 35.17 | 3.85                                          | 57.69                         | 35.41             | 6.91   | 29.21                         | 45.74 | 25.05 |
| 2013 | 62.49                         | 33.67 | 3.84                                          | 58.68                         | 34.49             | 6.83   | 29.37                         | 45.87 | 24.75 |
| 2014 | 62.23                         | 33.85 | 3.92                                          | 59.38                         | 33.50             | 7.12   | 27.78                         | 48.34 | 23.88 |
| 2015 | 58.83                         | 36.89 | 4.29                                          | 60.41                         | 31.90             | 7.68   | 23.87                         | 51.94 | 24.20 |
| 2016 | 59.54                         | 36.46 | 4.00                                          | 62.19                         | 30.47             | 7.34   | 22.65                         | 54.84 | 22.51 |
| 2017 | 60.82                         | 35.45 | 3.73                                          | 63.01                         | 29.97             | 7.03   | 22.73                         | 55.77 | 21.50 |



Table 56. External trade by regions and principal countries

Million US\$

| Year | Total    |           | Asia<br>(1) |          | Hong Kong |          | Japan   |         | Korea   |
|------|----------|-----------|-------------|----------|-----------|----------|---------|---------|---------|
|      | Exports  | Imports   | Exports     | Imports  | Exports   | Imports  | Exports | Imports | Exports |
| 2003 | 151 345  | 130 249   | 94 457      | 84 359   | 30 982    | 1 740    | 12 479  | 33 102  | 4 741   |
| 2004 | 183 643  | 171 554   | 119 922     | 111 642  | 33 068    | 2 110    | 13 953  | 44 324  | 5 689   |
| 2005 | 199 761  | 185 438   | 134 353     | 124 635  | 34 220    | 1 901    | 15 249  | 46 685  | 5 945   |
| 2006 | 225 904  | 206 442   | 152 826     | 142 945  | 37 669    | 1 695    | 16 509  | 46 849  | 7 253   |
| 2007 | 248 792  | 223 115   | 171 616     | 151 010  | 38 274    | 1 635    | 16 167  | 46 710  | 7 939   |
| 2008 | 258 051  | 244 467   | 177 145     | 165 937  | 33 055    | 1 353    | 17 857  | 47 088  | 8 815   |
| 2009 | 205 663  | 177 598   | 146 229     | 122 746  | 29 797    | 1 048    | 14 632  | 36 751  | 7 445   |
| 2010 | 278 008  | 256 274   | 199 825     | 176 896  | 38 270    | 1 567    | 18 645  | 52 910  | 10 902  |
| 2011 | 312 923  | 288 062   | 224 286     | 196 989  | 40 726    | 1 586    | 19 242  | 53 149  | 12 630  |
| 2012 | 306 409  | 277 324   | 223 068     | 192 929  | 38 495    | 2 585    | 19 624  | 48 342  | 12 137  |
| 2013 | 311 428  | 278 010   | 229 500     | 191 837  | 41 183    | 1 585    | 19 391  | 43 690  | 12 223  |
| 2014 | 320 092  | 281 850   | 235 896     | 194 138  | 43 795    | 1 735    | 20 142  | 41 984  | 12 988  |
| 2015 | 285 344  | 237 219   | 208 677     | 160 261  | 39 130    | 1 468    | 19 592  | 38 865  | 12 879  |
| 2016 | 280 321  | 230 568   | 206 651     | 155 931  | 38 398    | 1 331    | 19 551  | 40 622  | 12 788  |
| 2017 | 317 249  | 259 266   | 236 111     | 175 771  | 41 232    | 1 512    | 20 782  | 41 943  | 14 733  |
| Year | Asia (1) |           |             |          |           |          |         | Europe  |         |
|      | Korea    | Singapore |             | Malaysia |           | Thailand |         |         |         |
|      | Imports  | Exports   | Imports     | Exports  | Imports   | Exports  | Imports | Exports | Imports |
| 2003 | 8 795    | 5 318     | 3 891       | 3 187    | 4 789     | 2 659    | 2 396   | 20 765  | 16 459  |
| 2004 | 11 769   | 6 813     | 4 330       | 4 245    | 5 467     | 3 364    | 2 812   | 23 820  | 21 520  |
| 2005 | 13 357   | 8 107     | 4 982       | 4 310    | 5 258     | 3 872    | 2 916   | 23 642  | 22 142  |
| 2006 | 15 095   | 9 379     | 5 119       | 4 979    | 6 118     | 4 633    | 3 355   | 26 151  | 21 918  |
| 2007 | 15 165   | 10 613    | 4 778       | 5 421    | 6 321     | 5 262    | 3 630   | 28 751  | 23 996  |
| 2008 | 13 190   | 11 783    | 4 860       | 5 548    | 6 917     | 4 975    | 3 262   | 30 024  | 24 982  |
| 2009 | 10 558   | 8 699     | 4 814       | 4 082    | 4 701     | 3 873    | 2 701   | 22 726  | 19 776  |
| 2010 | 16 224   | 12 198    | 7 675       | 5 975    | 7 861     | 5 355    | 3 840   | 29 546  | 26 934  |
| 2011 | 18 186   | 16 980    | 8 022       | 6 924    | 8 793     | 6 230    | 4 405   | 31 427  | 30 775  |
| 2012 | 15 305   | 20 206    | 8 172       | 6 600    | 7 981     | 6 665    | 3 709   | 28 897  | 29 507  |
| 2013 | 16 163   | 19 609    | 8 606       | 8 243    | 8 255     | 6 432    | 3 793   | 27 906  | 31 012  |
| 2014 | 15 289   | 20 702    | 8 436       | 8 671    | 8 961     | 6 195    | 4 410   | 29 122  | 32 045  |
| 2015 | 13 450   | 17 407    | 7 171       | 7 197    | 6 733     | 5 770    | 4 043   | 25 964  | 28 499  |
| 2016 | 14 650   | 16 152    | 7 518       | 7 815    | 6 281     | 5 491    | 3 818   | 26 221  | 28 924  |
| 2017 | 16 894   | 17 625    | 8 716       | 10 369   | 7 182     | 6 382    | 4 359   | 29 155  | 31 423  |

**Note:** All figures are compiled according to the General Trade System.

(1) Including Middle East

**Source:** Ministry of Finance

Table 56. External trade by regions and principal countries (continued)

Million US\$

| Year | Europe  |         |             |           |                |         | North America, Central America and South America |         |         |
|------|---------|---------|-------------|-----------|----------------|---------|--------------------------------------------------|---------|---------|
|      | Germany |         | Netherlands |           | United Kingdom |         |                                                  |         |         |
|      | Exports | Imports | Exports     | Imports   | Exports        | Imports | Exports                                          | Imports | Exports |
| 2003 | 4 284   | 5 068   | 4 221       | 1 306     | 2 930          | 1 468   | 30 953                                           | 21 316  | 26 577  |
| 2004 | 4 612   | 5 975   | 4 810       | 2 198     | 3 427          | 1 792   | 33 882                                           | 27 463  | 28 815  |
| 2005 | 4 470   | 6 304   | 4 399       | 2 056     | 3 260          | 1 757   | 34 831                                           | 26 855  | 29 165  |
| 2006 | 5 022   | 6 299   | 4 419       | 2 334     | 3 509          | 1 857   | 38 897                                           | 29 587  | 32 475  |
| 2007 | 5 195   | 7 208   | 4 426       | 2 769     | 3 622          | 1 995   | 39 602                                           | 34 455  | 32 165  |
| 2008 | 5 759   | 7 738   | 4 588       | 2 348     | 3 638          | 1 941   | 40 047                                           | 35 951  | 30 981  |
| 2009 | 4 727   | 5 745   | 4 246       | 1 868     | 3 022          | 1 291   | 29 605                                           | 24 376  | 23 707  |
| 2010 | 6 551   | 8 603   | 5 305       | 3 255     | 3 670          | 1 808   | 39 634                                           | 35 392  | 31 675  |
| 2011 | 6 940   | 9 884   | 4 645       | 2 963     | 4 646          | 2 118   | 46 151                                           | 37 595  | 36 558  |
| 2012 | 5 697   | 8 122   | 4 438       | 3 616     | 5 076          | 2 069   | 42 665                                           | 34 920  | 33 224  |
| 2013 | 5 671   | 8 497   | 4 498       | 4 669     | 4 330          | 1 923   | 41 692                                           | 37 760  | 32 630  |
| 2014 | 6 222   | 9 634   | 5 090       | 3 192     | 4 247          | 1 983   | 44 169                                           | 38 776  | 35 114  |
| 2015 | 6 007   | 8 764   | 4 183       | 2 808     | 3 905          | 1 992   | 42 875                                           | 36 536  | 34 543  |
| 2016 | 5 929   | 8 573   | 4 469       | 4 145     | 3 643          | 1 844   | 40 722                                           | 35 095  | 33 523  |
| 2017 | 6 453   | 9 200   | 4 978       | 3 476     | 3 786          | 1 945   | 44 865                                           | 38 158  | 36 942  |
| Year |         |         |             |           |                | Africa  |                                                  | Others  |         |
|      | U.S.A.  | Oceania |             | Australia |                |         |                                                  |         |         |
|      | Imports | Exports | Imports     | Exports   | Imports        | Exports | Imports                                          | Exports | Imports |
| 2003 | 17 795  | 2 473   | 3 242       | 1 905     | 2 736          | 1 385   | 2 718                                            | 1 312   | 2 155   |
| 2004 | 22 619  | 2 906   | 4 060       | 2 292     | 3 434          | 1 550   | 4 143                                            | 1 563   | 2 726   |
| 2005 | 21 886  | 3 040   | 5 402       | 2 410     | 4 735          | 1 668   | 3 618                                            | 2 228   | 2 786   |
| 2006 | 23 839  | 3 395   | 6 124       | 2 747     | 5 364          | 2 096   | 5 548                                            | 2 540   | 320     |
| 2007 | 27 642  | 4 053   | 7 144       | 3 301     | 6 164          | 2 158   | 6 182                                            | 2 612   | 329     |
| 2008 | 27 593  | 4 531   | 9 209       | 3 633     | 8 350          | 2 889   | 8 005                                            | 3 417   | 382     |
| 2009 | 19 201  | 2 944   | 6 590       | 2 430     | 6 008          | 2 255   | 3 832                                            | 1 904   | 277     |
| 2010 | 26 799  | 4 046   | 9 914       | 3 237     | 9 036          | 2 251   | 7 016                                            | 2 705   | 121     |
| 2011 | 27 767  | 4 597   | 11 991      | 3 744     | 10 991         | 2 968   | 10 600                                           | 3 494   | 113     |
| 2012 | 25 701  | 4 801   | 10 375      | 3 756     | 9 462          | 3 647   | 9 485                                            | 3 333   | 108     |
| 2013 | 28 410  | 5 027   | 9 051       | 3 834     | 8 106          | 3 385   | 8 257                                            | 3 918   | 93      |
| 2014 | 30 036  | 4 669   | 9 434       | 3 696     | 7 586          | 2 831   | 7 387                                            | 3 405   | 70      |
| 2015 | 29 196  | 4 262   | 8 469       | 3 440     | 6 858          | 2 453   | 3 379                                            | 1 113   | 75      |
| 2016 | 28 597  | 3 844   | 7 502       | 3 087     | 6 089          | 1 921   | 3 031                                            | 962     | 85      |
| 2017 | 30 237  | 4 043   | 10 065      | 3 102     | 8 219          | 1 878   | 3 755                                            | 1 196   | 94      |

**AGRICULTURE, FORESTRY AND FISHING**

Table 57. Indices of agricultural, forestry and fishery production

2016=100

| Year               | General index     |            | Crop products                                 |                    |        |                 |                  |                   |                    |                                  |                            |
|--------------------|-------------------|------------|-----------------------------------------------|--------------------|--------|-----------------|------------------|-------------------|--------------------|----------------------------------|----------------------------|
|                    |                   |            | Group index                                   | Common crops       |        |                 | Special crops    | Fruits            | Vege-<br>tables    | Mush-<br>rooms                   | Flowers                    |
|                    |                   |            |                                               | Sub-group index    | Rice   | Coarse grain    |                  |                   |                    |                                  |                            |
| No. of commodities | 203               |            | 106                                           | 10                 | 1      | 9               | 8                | 27                | 41                 | 5                                | 15                         |
| 1950               | 23.33             |            | 59.38                                         | 120.79             | 112.07 | 200.36          | 138.26           | 6.60              | 27.96              | -                                | -                          |
| 1971               | 67.08             |            | 119.40                                        | 202.19             | 184.30 | 359.22          | 206.38           | 49.40             | 86.70              | 649.50                           | -                          |
| 1981               | 94.65             |            | 127.87                                        | 181.21             | 189.61 | 163.48          | 209.26           | 80.09             | 127.42             | 757.24                           | 11.81                      |
| 1991               | 120.45            |            | 123.91                                        | 149.73             | 145.50 | 189.74          | 201.42           | 109.83            | 111.95             | 181.89                           | 48.50                      |
| 2001               | 119.63            |            | 113.02                                        | 104.42             | 108.45 | 88.93           | 180.86           | 110.44            | 115.64             | 85.21                            | 84.24                      |
| 2008               | 105.11            |            | 101.63                                        | 89.44              | 91.77  | 80.50           | 140.55           | 111.81            | 98.31              | 73.62                            | 87.06                      |
| 2009               | 103.25            |            | 102.60                                        | 96.87              | 99.46  | 86.92           | 136.79           | 108.18            | 99.85              | 70.02                            | 90.37                      |
| 2010               | 105.47            |            | 105.36                                        | 90.87              | 91.42  | 88.39           | 133.51           | 119.28            | 102.60             | 77.29                            | 92.12                      |
| 2011               | 109.39            |            | 111.87                                        | 102.32             | 105.08 | 91.80           | 128.21           | 125.22            | 109.05             | 81.56                            | 98.82                      |
| 2012               | 107.49            |            | 107.25                                        | 102.98             | 107.21 | 86.77           | 118.94           | 119.42            | 100.44             | 90.38                            | 95.48                      |
| 2013               | 106.25            |            | 106.72                                        | 96.97              | 100.14 | 84.87           | 117.94           | 120.86            | 102.44             | 87.23                            | 97.30                      |
| 2014               | 107.41            |            | 110.15                                        | 107.91             | 109.20 | 102.97          | 120.46           | 120.22            | 105.21             | 84.94                            | 98.00                      |
| 2015               | 103.77            |            | 105.12                                        | 99.85              | 99.71  | 100.41          | 115.19           | 114.96            | 99.92              | 89.10                            | 100.04                     |
| 2016               | 100.00            |            | 100.00                                        | 100.00             | 100.00 | 100.00          | 100.00           | 100.00            | 100.00             | 100.00                           | 100.00                     |
| 2017 p             | 106.42            |            | 109.67                                        | 109.11             | 110.58 | 104.67          | 105.88           | 119.13            | 104.70             | 93.79                            | 98.81                      |
| Year               | Forestry products |            |                                               | Livestock products |        |                 | Fishery products |                   |                    |                                  |                            |
|                    | Group index       | Saw timber | Fire & charcoal wood and bamboo & by-products | Group index        | Hogs   | Other livestock | Group index      | Far sea fisheries | Offshore fisheries | Coastal & inland water fisheries | Aquacul-<br>ture fisheries |
| No. of commodities | 13                | 5          | 8                                             | 14                 | 1      | 13              | 70               | 12                | 23                 | 22                               | 13                         |
| 1950               | 1 518.28          | 2 850.05   | 796.02                                        | 5.14               | 6.08   | 3.94            | 9.32             | 1.50              | 34.61              | 85.67                            | 11.06                      |
| 1971               | 4 444.29          | 11 355.40  | 730.98                                        | 26.32              | 39.91  | 13.98           | 67.48            | 47.07             | 305.15             | 98.33                            | 33.18                      |
| 1981               | 2 448.86          | 5 080.49   | 1 033.08                                      | 54.04              | 72.86  | 34.89           | 112.92           | 56.86             | 437.04             | 133.29                           | 101.71                     |
| 1991               | 777.05            | 538.43     | 982.49                                        | 101.52             | 136.34 | 65.46           | 153.36           | 123.59            | 285.11             | 140.76                           | 146.92                     |
| 2001               | 347.58            | 107.61     | 570.86                                        | 109.73             | 116.31 | 104.32          | 152.98           | 157.69            | 192.28             | 165.59                           | 129.73                     |
| 2008               | 232.71            | 113.26     | 353.79                                        | 97.79              | 104.21 | 92.57           | 126.60           | 116.05            | 114.97             | 156.17                           | 139.58                     |
| 2009               | 236.57            | 99.46      | 380.35                                        | 97.41              | 103.65 | 92.33           | 115.24           | 108.81            | 119.51             | 149.39                           | 116.67                     |
| 2010               | 217.25            | 72.36      | 374.43                                        | 98.71              | 102.23 | 95.77           | 117.37           | 114.19            | 102.04             | 115.34                           | 125.73                     |
| 2011               | 214.50            | 93.84      | 340.02                                        | 102.00             | 104.57 | 99.79           | 115.71           | 113.92            | 118.19             | 96.47                            | 119.16                     |
| 2012               | 222.22            | 137.49     | 310.34                                        | 100.55             | 106.12 | 95.77           | 118.82           | 121.16            | 112.94             | 112.11                           | 118.52                     |
| 2013               | 241.48            | 169.08     | 316.80                                        | 98.59              | 103.39 | 94.47           | 117.32           | 115.61            | 103.82             | 100.90                           | 125.35                     |
| 2014               | 207.19            | 220.97     | 192.83                                        | 98.70              | 98.58  | 98.82           | 116.20           | 116.02            | 110.68             | 105.90                           | 119.22                     |
| 2015               | 125.57            | 133.55     | 117.24                                        | 98.14              | 100.63 | 96.01           | 110.48           | 111.28            | 95.62              | 94.35                            | 115.88                     |
| 2016               | 100.00            | 100.00     | 100.00                                        | 100.00             | 100.00 | 100.00          | 100.00           | 100.00            | 100.00             | 100.00                           | 100.00                     |
| 2017 p             | 84.90             | 89.11      | 81.40                                         | 99.67              | 98.09  | 100.88          | 109.45           | 107.26            | 120.59             | 104.94                           | 108.93                     |

**Note:** Data do not include Kinmen County and Lienchiang County before 2010.**Source:** Council of Agriculture, Executive Yuan

**Table 58. Farm households and population**

Households, Persons

| End of Year | Households |                                |                                 |                       |                                    |                         | Persons   |
|-------------|------------|--------------------------------|---------------------------------|-----------------------|------------------------------------|-------------------------|-----------|
|             | Total      | Having cultivated land         |                                 |                       |                                    | Without cultivated land |           |
|             |            | Cultivated land all self-owned | Cultivated land part self-owned | self-owned 50% & over | Cultivated land all non-self-owned |                         |           |
| 2004        | 721 418    | 611 280                        | 76 909                          | 38 685                | 28 523                             | 4 706                   | 3 392 676 |
| 2005        | 767 316    | 671 740                        | 52 517                          | 26 371                | 39 074                             | 3 985                   | 3 400 036 |
| 2006        | 772 210    | 666 830                        | 61 551                          | 28 638                | 37 341                             | 3 989                   | 3 232 592 |
| 2007        | 772 977    | 667 131                        | 77 169                          | 37 305                | 24 641                             | 4 036                   | 3 050 483 |
| 2008        | 772 795    | 665 836                        | 73 200                          | 35 218                | 29 677                             | 4 082                   | 3 027 627 |
| 2009        | 775 816    | 659 134                        | 83 539                          | 39 139                | 29 024                             | 4 119                   | 2 983 560 |
| 2010        | 776 724    | 673 944                        | 54 633                          | 26 533                | 42 754                             | 5 393                   | 2 961 874 |
| 2011        | 775 496    | 668 483                        | 62 066                          | 29 764                | 39 554                             | 5 393                   | 2 944 336 |
| 2012        | 775 455    | 661 298                        | 81 762                          | 33 879                | 27 620                             | 4 735                   | 2 930 689 |
| 2013        | 774 963    | 662 726                        | 78 122                          | 33 457                | 30 162                             | 3 953                   | 2 988 973 |
| 2014        | 774 237    | 649 466                        | 86 676                          | 38 351                | 34 989                             | 3 106                   | 3 014 907 |
| 2015        | 775 258    | 675 377                        | 50 948                          | 23 127                | 44 139                             | 4 794                   | 2 698 300 |
| 2016        | 775 472    | 622 798                        | 111 903                         | 47 948                | 34 626                             | 6 145                   | 2 818 091 |

**Note:** 1. Data do not include Kinmen County and Lienchiang County.

2. The figures in 2005, 2010, and 2015 came from the Agricultural, Forestry, Fishery and Husbandry Census by DGBAS, Executive Yuan.

**Source:** 1. Agriculture and Food Agency, COA, Executive Yuan

2. Directorate-General of Budget, Accounting and Statistics, Executive Yuan

Table 59. Quantity and value of major farm products

MTs, Thousand NT\$

| Year | Paddy rice  |            | Betel nuts           |            | Pineapples |            | Mangos   |           |
|------|-------------|------------|----------------------|------------|------------|------------|----------|-----------|
|      | Quantity    | Value      | Quantity             | Value      | Quantity   | Value      | Quantity | Value     |
| 1946 | 1 173 105   | 28 040 289 | ...                  | ...        | 17 625     | 98 876     | 2 017    | 16 768    |
| 1971 | 2 913 559   | 12 894 373 | 10 075               | 78 835     | 358 529    | 449 241    | 43 467   | 152 931   |
| 1981 | 3 004 808   | 46 369 380 | 24 358               | 694 461    | 181 039    | 940 726    | 152 062  | 1 530 763 |
| 1991 | 2 311 638   | 38 738 610 | 111 090              | 8 887 200  | 241 477    | 2 897 724  | 144 730  | 2 749 870 |
| 2001 | 1 723 895   | 32 828 360 | 165 076              | 13 206 057 | 388 691    | 5 052 978  | 212 875  | 4 640 673 |
| 2008 | 1 457 175   | 31 362 747 | 144 195              | 8 651 698  | 452 060    | 6 498 808  | 176 716  | 6 626 867 |
| 2009 | 1 578 169   | 33 775 015 | 142 636              | 8 387 007  | 434 769    | 6 238 070  | 140 290  | 5 064 466 |
| 2010 | 1 451 011   | 30 355 766 | 131 737              | 8 288 370  | 420 172    | 7 042 078  | 135 293  | 5 032 899 |
| 2011 | 1 666 273   | 38 145 866 | 129 316              | 8 082 247  | 401 367    | 6 742 965  | 169 380  | 6 478 771 |
| 2012 | 1 700 229   | 39 746 469 | 124 091              | 8 065 946  | 392 211    | 7 220 603  | 167 247  | 7 016 029 |
| 2013 | 1 589 564   | 36 983 554 | 124 054              | 8 435 695  | 413 465    | 8 008 823  | 215 168  | 9 181 220 |
| 2014 | 1 732 210   | 41 479 191 | 121 435              | 10 686 248 | 456 243    | 9 143 108  | 152 932  | 7 620 614 |
| 2015 | 1 581 732   | 37 419 791 | 113 182              | 10 186 357 | 493 998    | 10 215 886 | 166 260  | 6 974 608 |
| 2016 | 1 587 776   | 37 976 695 | 99 992               | 9 199 261  | 527 161    | 12 103 611 | 106 766  | 8 414 265 |
| 2017 | 1 754 049   | 40 496 356 | 102 165              | 11 401 603 | 553 531    | 13 019 045 | 150 559  | 7 724 153 |
| Year | Watermelons |            | Sugar-cane (Refined) |            | Tea        |            | Pears    |           |
|      | Quantity    | Value      | Quantity             | Value      | Quantity   | Value      | Quantity | Value     |
| 1946 | 6 202       | 20 527     | 1 006 526            | 112 399    | 2 919      | 135 915    | ...      | ...       |
| 1971 | 277 519     | 588 331    | 7 881 040            | 2 127 880  | 26 984     | 577 918    | 35 181   | 279 525   |
| 1981 | 307 786     | 1 736 409  | 8 422 015            | 7 234 511  | 25 223     | 1 566 285  | 118 199  | 1 733 946 |
| 1991 | 350 038     | 3 675 399  | 4 536 231            | 5 761 013  | 21 380     | 1 817 300  | 127 495  | 2 677 395 |
| 2001 | 330 082     | 4 291 062  | 2 180 288            | 2 579 280  | 19 837     | 3 570 596  | 100 565  | 3 318 648 |
| 2008 | 203 275     | 2 540 941  | 707 102              | 546 763    | 17 384     | 4 844 785  | 138 381  | 4 822 569 |
| 2009 | 217 619     | 2 437 337  | 613 228              | 585 018    | 16 780     | 4 906 438  | 153 450  | 5 079 179 |
| 2010 | 225 925     | 2 485 170  | 665 359              | 794 306    | 17 467     | 6 410 527  | 174 858  | 6 120 022 |
| 2011 | 246 643     | 2 843 300  | 653 952              | 839 674    | 17 310     | 6 894 424  | 150 013  | 5 760 495 |
| 2012 | 243 067     | 3 159 871  | 548 455              | 630 723    | 14 902     | 6 735 506  | 137 911  | 5 981 216 |
| 2013 | 212 690     | 2 764 964  | 505 526              | 530 802    | 14 718     | 6 917 312  | 109 105  | 4 797 348 |
| 2014 | 211 330     | 3 090 485  | 502 706              | 519 798    | 15 200     | 7 523 876  | 134 549  | 6 723 438 |
| 2015 | 217 466     | 2 763 563  | 618 264              | 635 575    | 14 405     | 6 827 835  | 127 016  | 5 973 577 |
| 2016 | 201 133     | 3 643 523  | 526 843              | 510 511    | 13 018     | 7 602 478  | 111 424  | 7 481 031 |
| 2017 | 210 661     | 2 677 505  | 455 144              | 470 619    | 13 443     | 7 639 774  | 117 694  | 7 454 766 |

**Note:** Data do not include Kinmen County and Lienchiang County before 2010.**Source:** Agriculture and Food Agency, COA, Executive Yuan

**Table 59. Quantity and value of major farm products (continued)**

M.T., Thousand NT\$

| Year | Peanuts  |            | Bamboo shoot |            | Grapes   |           | Japanese apricot |           |
|------|----------|------------|--------------|------------|----------|-----------|------------------|-----------|
|      | Quantity | Value      | Quantity     | Value      | Quantity | Value     | Quantity         | Value     |
| 1946 | 37 379   | 487 120    | ...          | ...        | 26       | 748       | ...              | ...       |
| 1971 | 97 579   | 744 899    | 56 123       | 178 764    | 20 227   | 177 768   | 14 688           | 49 651    |
| 1981 | 81 713   | 2 544 726  | 252 714      | 1 948 537  | 69 818   | 1 122 966 | 74 492           | 640 737   |
| 1991 | 83 816   | 3 520 272  | 382 933      | 2 871 998  | 113 610  | 2 726 640 | 61 705           | 1 851 150 |
| 2001 | 56 087   | 2 366 889  | 322 959      | 3 520 248  | 85 018   | 2 380 484 | 55 956           | 2 042 405 |
| 2008 | 55 075   | 2 464 073  | 255 046      | 6 223 127  | 84 656   | 3 809 507 | 35 812           | 799 320   |
| 2009 | 56 941   | 2 762 760  | 251 994      | 6 904 640  | 98 091   | 4 311 093 | 46 890           | 761 501   |
| 2010 | 65 036   | 3 467 744  | 292 209      | 7 725 999  | 102 831  | 4 414 535 | 49 695           | 873 141   |
| 2011 | 68 231   | 3 159 771  | 294 938      | 7 992 818  | 107 280  | 4 655 962 | 42 010           | 861 615   |
| 2012 | 56 845   | 2 491 497  | 278 903      | 7 471 248  | 99 967   | 4 575 507 | 31 880           | 556 941   |
| 2013 | 46 809   | 2 662 031  | 267 092      | 7 155 400  | 97 256   | 4 891 954 | 30 706           | 666 317   |
| 2014 | 68 513   | 4 454 733  | 277 201      | 7 280 672  | 82 199   | 5 450 649 | 34 709           | 690 355   |
| 2015 | 62 083   | 3 481 015  | 247 449      | 6 700 685  | 85 435   | 5 115 837 | 32 473           | 764 033   |
| 2016 | 61 832   | 4 180 451  | 239 800      | 7 344 125  | 79 680   | 5 971 248 | 16 613           | 579 115   |
| 2017 | 63 287   | 4 588 316  | 257 895      | 10 775 644 | 92 602   | 6 641 397 | 15 565           | 651 090   |
| Year | Bananas  |            | Cabbage      |            | Shiitake |           | Garlic bulbs     |           |
|      | Quantity | Value      | Quantity     | Value      | Quantity | Value     | Quantity         | Value     |
| 1946 | 53 412   | 332 317    | 26 728       | 137 414    | ...      | ...       | ...              | ...       |
| 1971 | 470 595  | 1 122 131  | 200 234      | 265 099    | ...      | ...       | 16 629           | 71 815    |
| 1981 | 185 309  | 1 214 736  | 207 852      | 1 287 597  | ...      | ...       | 47 926           | 432 251   |
| 1991 | 196 663  | 2 163 293  | 153 811      | 1 153 582  | 3 682    | 2 651 040 | 42 962           | 1 288 860 |
| 2001 | 204 724  | 2 456 687  | 349 719      | 2 378 087  | 4 866    | 2 967 977 | 54 103           | 1 839 499 |
| 2008 | 207 702  | 4 536 205  | 348 818      | 3 374 816  | 4 233    | 3 386 104 | 54 508           | 2 111 081 |
| 2009 | 172 550  | 4 400 020  | 346 297      | 3 289 823  | 4 012    | 3 249 695 | 49 600           | 2 231 998 |
| 2010 | 287 895  | 3 978 714  | 329 149      | 3 097 297  | 4 540    | 3 845 349 | 44 916           | 3 144 130 |
| 2011 | 305 740  | 4 601 381  | 367 307      | 3 460 109  | 4 716    | 4 462 406 | 63 939           | 2 367 004 |
| 2012 | 295 265  | 5 642 506  | 341 279      | 5 155 979  | 5 334    | 5 259 521 | 46 759           | 2 524 988 |
| 2013 | 291 292  | 6 522 039  | 354 390      | 5 400 896  | 5 187    | 5 969 756 | 43 894           | 2 459 814 |
| 2014 | 299 900  | 7 251 579  | 376 417      | 4 806 844  | 5 025    | 6 437 167 | 59 496           | 1 887 168 |
| 2015 | 274 066  | 7 512 153  | 361 317      | 5 889 471  | 5 119    | 6 249 222 | 49 716           | 2 357 465 |
| 2016 | 257 559  | 9 766 625  | 399 667      | 8 247 533  | 5 789    | 7 582 185 | 34 667           | 3 310 009 |
| 2017 | 356 017  | 12 321 747 | 422 320      | 5 895 591  | 5 276    | 7 855 529 | 36 543           | 3 822 411 |

**Table 60. Consumption and production of chemical fertilizers, and agricultural chemicals**

MTs, Thousand NT\$

| Year | Consumption of chemical fertilizers |            | Production of chemical fertilizers |            | Consumption of agricultural chemicals |                      |
|------|-------------------------------------|------------|------------------------------------|------------|---------------------------------------|----------------------|
|      | Quantity                            | Value      | Quantity                           | Value      | Quantity (1)                          | Value (Million NT\$) |
| 1946 | 43 178                              | ...        | ...                                | ...        | ...                                   | ...                  |
| 1971 | 839 968                             | 2 113 122  | ...                                | ...        | ...                                   | ...                  |
| 1981 | 1 335 889                           | 6 719 290  | 1 502 424                          | 6 953 486  | ...                                   | ...                  |
| 1991 | 1 409 426                           | 7 534 122  | 1 525 692                          | 6 997 392  | ...                                   | ...                  |
| 2001 | 1 294 910                           | 6 019 850  | 1 381 364                          | 5 100 741  | 8 476                                 | 5 169                |
| 2008 | 1 013 714                           | 11 587 133 | 1 426 451                          | 14 630 661 | 8 782                                 | 5 795                |
| 2009 | 1 042 231                           | 12 252 938 | 1 326 038                          | 11 496 717 | 8 589                                 | 6 932                |
| 2010 | 1 030 819                           | 8 875 676  | 1 352 858                          | 9 711 934  | 7 851                                 | 8 852                |
| 2011 | 1 008 025                           | 10 983 937 | 1 463 569                          | 12 646 880 | 8 254                                 | 5 774                |
| 2012 | 1 010 722                           | 12 174 233 | 1 417 442                          | 13 800 171 | 9 396                                 | 6 760                |
| 2013 | 999 908                             | 11 081 692 | 1 467 269                          | 13 231 980 | 9 632                                 | 6 664                |
| 2014 | 972 277                             | 9 453 794  | 1 342 107                          | 10 420 609 | 8 619                                 | 6 943                |
| 2015 | 959 623                             | 9 798 378  | 1 195 553                          | 10 700 169 | 9 295                                 | 7 692                |
| 2016 | 979 215                             | 8 808 109  | 1 267 510                          | 8 929 201  | 9 504                                 | 7 643                |
| 2017 | 899 866                             | 8 568 252  | 1 607 175                          | 20 767 078 | 10 549                                | 8 805                |

**Note:** (1) The quantity is statistics on effective composition of agricultural chemicals.**Source:** 1. Agriculture and Food Agency, COA, Executive Yuan

2. Bureau of Animal and Plant Health Inspection and Quarantine, COA, Executive Yuan



Table 61. Quantity and value of forestry production

M<sup>3</sup>, Thousand NT\$

| Year | Grand total value | Main-products |              |           |                         |           |           |                      |
|------|-------------------|---------------|--------------|-----------|-------------------------|-----------|-----------|----------------------|
|      |                   | Total value   | Saw-timber   |           |                         |           |           |                      |
|      |                   |               | Sub-total    |           | Conifers                |           | Hardwoods |                      |
|      |                   |               | Quantity     | Value     | Quantity                | Value     | Quantity  | Value                |
| 1971 | 3 170 917         | 3 073 822     | 1 217 791    | 2 705 524 | 693 600                 | 2 127 304 | 524 191   | 578 220              |
| 1981 | 4 643 007         | 3 908 752     | 529 684      | 3 667 667 | 331 754                 | 2 930 070 | 197 931   | 737 597              |
| 1991 | 1 305 620         | 464 821       | 74 190       | 376 179   | 49 752                  | 308 193   | 24 438    | 67 986               |
| 2001 | 597 494           | 111 693       | 26 401       | 96 031    | 13 919                  | 60 586    | 12 482    | 35 444               |
| 2006 | 518 773           | 232 212       | 26 979       | 213 967   | 16 135                  | 183 265   | 10 844    | 30 702               |
| 2008 | 445 114           | 129 592       | 25 135       | 100 653   | 20 297                  | 87 010    | 4 838     | 13 643               |
| 2009 | 416 165           | 117 069       | 25 176       | 86 923    | 18 947                  | 70 974    | 6 229     | 15 949               |
| 2010 | 390 062           | 88 363        | 19 131       | 61 174    | 10 598                  | 40 547    | 8 533     | 20 627               |
| 2011 | 388 278           | 103 557       | 23 273       | 86 621    | 17 652                  | 72 772    | 5 620     | 13 850               |
| 2012 | 374 936           | 147 614       | 24 898       | 129 043   | 21 341                  | 118 634   | 3 557     | 10 409               |
| 2013 | 431 659           | 184 626       | 26 785       | 157 134   | 21 253                  | 140 140   | 5 532     | 16 994               |
| 2014 | 381 613           | 234 872       | 37 899       | 205 172   | 33 167                  | 190 675   | 4 732     | 14 496               |
| 2015 | 243 783           | 165 243       | 29 870       | 124 912   | 26 055                  | 113 172   | 3 815     | 11 740               |
| 2016 | 206 886           | 128 024       | 24 768       | 93 943    | 19 706                  | 78 353    | 5 062     | 15 590               |
| 2017 | 167 296           | 110 023       | 20 591       | 83 753    | 16 752                  | 71 338    | 3 840     | 12 415               |
| Year | Main-products     |               |              |           |                         |           |           | Value of by-products |
|      | Firewood          |               | Mill-wood    |           | Bamboo                  |           |           |                      |
|      | Quantity          | Value         | Quantity (1) | Value     | Quantity (1,000 Pieces) | Value     |           |                      |
| 1971 | 346 994           | 177 002       | 233 060      | 104 877   | 14 403                  | 86 419    | 97 095    |                      |
| 1981 | 64 898            | 74 892        | 58 095       | 95 771    | 10 060                  | 70 422    | 734 255   |                      |
| 1991 | 19 320            | 23 184        | 13 182       | 41 704    | 4 319                   | 23 754    | 840 799   |                      |
| 2001 | 5 953             | 8 573         | 1 727        | 2 635     | 594                     | 4 455     | 485 800   |                      |
| 2006 | 9 224             | 13 957        | 31           | 47        | 544                     | 4 241     | 286 562   |                      |
| 2008 | 6 059             | 8 956         | 37           | 59        | 2 430                   | 19 925    | 315 522   |                      |
| 2009 | 2 624             | 3 665         | 90           | 145       | 3 251                   | 26 336    | 299 096   |                      |
| 2010 | 296               | 381           | 41           | 67        | 3 261                   | 26 742    | 301 699   |                      |
| 2011 | 740               | 992           | 200          | 330       | 1 881                   | 15 614    | 284 720   |                      |
| 2012 | 2 542             | 3 701         | 40           | 66        | 1 742                   | 14 805    | 227 321   |                      |
| 2013 | 8 123             | 14 611        | 15           | 26        | 1 512                   | 12 855    | 247 034   |                      |
| 2014 | 4 189             | 9 063         | 80           | 132       | 2 384                   | 20 505    | 146 741   |                      |
| 2015 | 7 762             | 19 764        | 6            | 10        | 2 390                   | 20 557    | 78 540    |                      |
| 2016 | 7 142             | 18 333        | 51           | 82        | 1 801                   | 15 666    | 78 861    |                      |
| 2017 | 4 825             | 15 836        | 95           | 146       | 1 169                   | 10 288    | 57 273    |                      |

**Note:** Data do not include Kinmen County and Lienchiang County before 2010.

(1) Before 1992, its unit of measurement is metric tons.

**Source:** Council of Agriculture, Executive Yuan

**Table 62. Quantity and value of fishery production**

MTs, Thousand NT\$

| Year   | Total     |             | Farsea fisheries |            | Offshore fisheries |            | Coastal fisheries |           |
|--------|-----------|-------------|------------------|------------|--------------------|------------|-------------------|-----------|
|        | Quantity  | Value       | Quantity         | Value      | Quantity           | Value      | Quantity          | Value     |
| 1946   | 51 474    | 1 162 665   | 2 732            | 93 409     | 21 823             | 330 470    | 16 949            | 367 905   |
| 1971   | 650 167   | 8 350 345   | 293 014          | 3 570 401  | 247 429            | 2 627 589  | 30 515            | 381 179   |
| 1981   | 911 676   | 50 351 120  | 321 567          | 15 235 194 | 346 203            | 16 584 578 | 39 265            | 1 922 721 |
| 1991   | 1 316 651 | 83 526 073  | 714 263          | 32 203 991 | 266 945            | 17 457 328 | 41 231            | 3 516 865 |
| 2001   | 1 316 904 | 90 128 416  | 795 622          | 46 659 957 | 158 969            | 12 193 237 | 48 923            | 4 315 518 |
| 2008   | 1 339 291 | 91 843 193  | 828 427          | 43 706 858 | 132 594            | 9 376 801  | 47 366            | 5 069 824 |
| 2009   | 1 087 814 | 85 901 383  | 614 614          | 39 926 218 | 145 596            | 10 738 745 | 45 732            | 5 325 900 |
| 2010   | 1 167 080 | 92 499 034  | 688 288          | 43 319 996 | 128 289            | 8 924 129  | 34 731            | 3 596 694 |
| 2011   | 1 222 655 | 106 321 684 | 702 133          | 47 531 566 | 163 579            | 12 726 058 | 28 117            | 3 594 362 |
| 2012   | 1 256 082 | 106 174 291 | 726 775          | 50 139 586 | 148 279            | 13 730 358 | 33 027            | 4 395 228 |
| 2013   | 1 274 282 | 101 649 634 | 772 714          | 43 828 751 | 125 021            | 12 530 670 | 27 566            | 4 045 555 |
| 2014   | 1 407 622 | 104 279 897 | 899 040          | 43 644 435 | 139 928            | 14 273 950 | 29 407            | 4 077 160 |
| 2015   | 1 299 261 | 92 393 154  | 825 024          | 39 172 116 | 135 298            | 9 997 719  | 25 264            | 3 589 385 |
| 2016   | 1 003 861 | 86 518 575  | 584 135          | 37 714 515 | 138 120            | 10 641 077 | 26 215            | 4 114 796 |
| 2017 p | 1 073 771 | 95 581 004  | 602 712          | 41 690 066 | 158 702            | 13 260 066 | 26 681            | 4 037 503 |

**Note:** 1. Data do not include Kinmen County and Lienchiang County before 2010.

2. After 2010, the quantity of the inland water aquaculture excludes Ornamental fish culture.

**Source:** Fisheries Agency, COA, Executive Yuan

**Table 62. Quantity and value of fishery production (continued)**

MTs, Thousand NT\$

| Year   | Marine aquaculture |           | Inland water fisheries |         | Inland water aquaculture |            |
|--------|--------------------|-----------|------------------------|---------|--------------------------|------------|
|        | Quantity           | Value     | Quantity               | Value   | Quantity                 | Value      |
| 1946   | ...                | ...       | ...                    | ...     | 9 970                    | 370 881    |
| 1971   | 17 446             | 306 876   | 1 440                  | 20 098  | 60 323                   | 1 444 202  |
| 1981   | 31 002             | 3 243 345 | 2 715                  | 115 654 | 170 924                  | 13 249 628 |
| 1991   | 31 192             | 2 597 564 | 2 327                  | 91 686  | 260 693                  | 27 658 639 |
| 2001   | 26 763             | 3 343 174 | 609                    | 30 202  | 286 018                  | 23 586 328 |
| 2008   | 37 765             | 4 300 366 | 198                    | 16 123  | 292 940                  | 29 373 221 |
| 2009   | 26 760             | 2 802 461 | 132                    | 7 887   | 254 980                  | 27 100 173 |
| 2010   | 41 410             | 5 953 314 | 77                     | 5 591   | 274 286                  | 30 699 310 |
| 2011   | 38 098             | 6 079 394 | 69                     | 6 173   | 290 660                  | 36 384 131 |
| 2012   | 30 390             | 4 247 021 | 66                     | 5 519   | 317 543                  | 33 656 579 |
| 2013   | 31 706             | 6 997 706 | 29                     | 2 014   | 317 246                  | 34 244 937 |
| 2014   | 29 287             | 6 168 541 | 30                     | 1 343   | 309 930                  | 36 114 468 |
| 2015   | 24 737             | 6 255 335 | 103                    | 7 015   | 288 835                  | 33 371 585 |
| 2016   | 25 267             | 5 601 349 | 88                     | 6 265   | 230 036                  | 28 440 573 |
| 2017 p | 26 799             | 5 695 826 | 2 624                  | 113 034 | 256 253                  | 30 784 509 |

Table 63. Quantity and value of major livestock production

Thousand NT\$

| Year | Hogs                |            | Chickens                     |            | Ducks                        |           | Cow milk          |            | Eggs                          |            |
|------|---------------------|------------|------------------------------|------------|------------------------------|-----------|-------------------|------------|-------------------------------|------------|
|      | Quantity<br>(Heads) | Value      | Quantity<br>(1,000<br>Heads) | Value      | Quantity<br>(1,000<br>Heads) | Value     | Quantity<br>(MTs) | Value      | Quantity<br>(1,000<br>Pieces) | Value      |
| 1946 | 303 307             | 1 637 858  | ...                          | ...        | ...                          | ...       | 908               | 45 390     | ...                           | ...        |
| 1971 | 4 374 787           | 9 482 536  | 33 405                       | 1 806 592  | 14 606                       | 589 118   | 17 906            | 97 404     | 1 055 657                     | 1 376 731  |
| 1981 | 7 738 018           | 42 682 384 | 115 670                      | 15 507 978 | 32 026                       | 3 778 051 | 50 154            | 876 195    | 2 524 964                     | 6 289 243  |
| 1991 | 13 525 987          | 53 277 428 | 233 971                      | 18 226 838 | 36 295                       | 3 303 534 | 225 656           | 4 064 065  | 4 289 316                     | 5 750 367  |
| 2001 | 10 420 000          | 46 255 141 | 376 196                      | 27 271 501 | 32 142                       | 2 928 077 | 345 970           | 7 389 567  | 7 806 914                     | 11 423 219 |
| 2008 | 8 727 229           | 68 596 020 | 322 182                      | 37 727 084 | 31 730                       | 5 470 791 | 315 559           | 7 121 227  | 6 953 549                     | 19 984 641 |
| 2009 | 8 745 585           | 65 897 983 | 329 151                      | 36 900 515 | 29 246                       | 5 281 557 | 321 781           | 7 304 434  | 6 873 926                     | 19 957 844 |
| 2010 | 8 575 777           | 70 701 364 | 334 761                      | 36 691 825 | 30 301                       | 5 344 711 | 336 036           | 8 138 802  | 7 212 272                     | 16 918 126 |
| 2011 | 8 786 528           | 75 158 291 | 350 120                      | 41 959 469 | 30 515                       | 5 646 099 | 350 894           | 9 056 576  | 7 149 999                     | 18 968 647 |
| 2012 | 8 965 036           | 66 752 941 | 324 521                      | 37 457 720 | 28 952                       | 5 225 385 | 348 489           | 9 102 535  | 7 236 932                     | 21 173 707 |
| 2013 | 8 720 858           | 66 463 490 | 307 487                      | 38 113 220 | 33 955                       | 6 372 921 | 358 146           | 9 354 763  | 7 255 761                     | 20 593 944 |
| 2014 | 8 067 477           | 76 841 266 | 326 298                      | 41 588 121 | 38 332                       | 7 589 795 | 363 145           | 9 503 514  | 7 313 297                     | 23 409 457 |
| 2015 | 8 229 635           | 71 739 210 | 321 139                      | 41 153 784 | 35 061                       | 8 599 626 | 375 499           | 9 826 805  | 7 398 899                     | 24 056 558 |
| 2016 | 8 144 235           | 71 396 192 | 340 754                      | 42 057 514 | 36 184                       | 8 460 642 | 378 488           | 9 905 042  | 7 787 684                     | 24 791 004 |
| 2017 | 7 947 275           | 75 558 002 | 335 214                      | 39 393 060 | 37 719                       | 8 039 319 | 386 362           | 10 111 090 | 7 943 973                     | 20 658 139 |

**Note:** 1. Data do not include Kinmen County and Lienchiang County before 2010.

2. In the table, data excluding cow milk and eggs is heads slaughtered.

**Source:** 1. Council of Agriculture, Executive Yuan

2. Agriculture and Food Agency, COA, Executive Yuan

## INDUSTRY

Table 64. Indices of industrial production

2016=100

| Year        |                        |                              |                                             |                                               |                                                                              |                              |                                                 |                  |                  |                                          |                                 |                             |
|-------------|------------------------|------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------|------------------------------|-------------------------------------------------|------------------|------------------|------------------------------------------|---------------------------------|-----------------------------|
|             | General                | Mining & quarrying           | Crude petroleum & natural gas extraction    | Quarrying of stone, sand, clay & other mining | Manufac- turing                                                              | Food & prepared animal feeds | Beve- rages                                     | Tobacco products | Textiles mills   | Wearing apparel & clothing accesso- ries | Leather, fur & related products |                             |
| Weights (%) | 1000.00                | 3.02                         | 0.47                                        | 2.55                                          | 917.12                                                                       | 25.79                        | 10.09                                           | 12.37            | 15.96            | 1.60                                     | 0.57                            |                             |
| 1981        | ...                    | ...                          | ...                                         | ...                                           | 17.30                                                                        | 70.46                        | 53.87                                           | 100.52           | 93.81            | 1499.48                                  | 1081.19                         |                             |
| 1991        | ...                    | ...                          | ...                                         | ...                                           | 33.58                                                                        | 98.32                        | 84.00                                           | 112.36           | 125.72           | 1133.02                                  | 1411.89                         |                             |
| 1996        | 42.38                  | 237.61                       | ...                                         | ...                                           | 40.86                                                                        | 109.70                       | 102.62                                          | 98.20            | 140.81           | 635.04                                   | 591.88                          |                             |
| 2001        | 49.84                  | 189.11                       | ...                                         | ...                                           | 47.81                                                                        | 95.15                        | 105.13                                          | 81.65            | 143.70           | 397.73                                   | 304.96                          |                             |
| 2006        | 69.55                  | 157.59                       | 145.42                                      | 159.19                                        | 67.74                                                                        | 90.23                        | 81.37                                           | 59.57            | 115.58           | 216.19                                   | 258.19                          |                             |
| 2008        | 74.41                  | 124.88                       | 111.56                                      | 127.49                                        | 72.73                                                                        | 86.28                        | 81.54                                           | 64.51            | 103.34           | 161.86                                   | 207.96                          |                             |
| 2009        | 68.73                  | 112.73                       | 109.54                                      | 113.58                                        | 67.06                                                                        | 86.25                        | 86.96                                           | 68.03            | 92.12            | 129.13                                   | 183.05                          |                             |
| 2010        | 87.72                  | 140.64                       | 91.20                                       | 143.55                                        | 86.99                                                                        | 92.59                        | 95.88                                           | 70.34            | 106.84           | 140.11                                   | 200.33                          |                             |
| 2011        | 90.01                  | 131.07                       | 100.85                                      | 132.93                                        | 89.37                                                                        | 93.55                        | 103.52                                          | 78.28            | 99.36            | 119.67                                   | 178.18                          |                             |
| 2012        | 90.46                  | 127.63                       | 132.35                                      | 127.41                                        | 89.87                                                                        | 93.95                        | 107.39                                          | 82.63            | 98.54            | 115.78                                   | 164.78                          |                             |
| 2013        | 93.36                  | 117.07                       | 114.49                                      | 117.55                                        | 92.93                                                                        | 95.20                        | 101.49                                          | 82.11            | 101.88           | 115.84                                   | 160.19                          |                             |
| 2014        | 99.34                  | 118.44                       | 115.50                                      | 118.98                                        | 99.28                                                                        | 95.47                        | 102.60                                          | 81.37            | 103.59           | 114.11                                   | 159.60                          |                             |
| 2015        | 98.07                  | 110.70                       | 111.78                                      | 110.52                                        | 98.13                                                                        | 96.36                        | 101.57                                          | 81.04            | 104.74           | 105.97                                   | 122.11                          |                             |
| 2016        | 100.00                 | 100.00                       | 100.00                                      | 100.00                                        | 100.00                                                                       | 100.00                       | 100.00                                          | 100.00           | 100.00           | 100.00                                   | 100.00                          |                             |
| 2017        | 105.00                 | 98.00                        | 84.38                                       | 100.52                                        | 105.27                                                                       | 100.57                       | 102.81                                          | 119.06           | 97.84            | 89.27                                    | 103.83                          |                             |
| Year        | Manufacturing          |                              |                                             |                                               |                                                                              |                              |                                                 |                  |                  |                                          |                                 |                             |
|             | Wood & bamboo products | Pulp, paper & paper products | Printing & reproduc- tion of recorded media | Petro- leum & coal products                   | Chemical, fertilizers, nitrogen compounds, plastic & rubber, man-made fibres | Other chemical products      | Pharmaceu- ticals & medicinal chemical products | Rubber products  | Plastic products | Non- metallic mineral products           | Basic metal                     | Fabrica- ted metal products |
| Weights (%) | 0.87                   | 8.83                         | 5.63                                        | 44.51                                         | 61.91                                                                        | 16.76                        | 7.51                                            | 7.93             | 16.90            | 11.40                                    | 45.21                           | 39.43                       |
| 1981        | 963.79                 | 38.31                        | 41.31                                       | 23.46                                         | 12.09                                                                        | 16.25                        | 19.46                                           | 38.77            | 37.34            | 59.00                                    | 15.02                           | 40.44                       |
| 1991        | 608.49                 | 76.47                        | 61.92                                       | 33.40                                         | 28.89                                                                        | 41.26                        | 51.12                                           | 100.65           | 115.65           | 101.02                                   | 39.35                           | 84.31                       |
| 1996        | 254.55                 | 84.10                        | 66.21                                       | 51.49                                         | 46.87                                                                        | 62.98                        | 58.92                                           | 99.29            | 113.72           | 112.93                                   | 57.18                           | 100.87                      |
| 2001        | 189.83                 | 86.05                        | 80.85                                       | 73.24                                         | 64.53                                                                        | 64.64                        | 64.33                                           | 81.68            | 111.58           | 102.35                                   | 72.60                           | 93.03                       |
| 2006        | 122.08                 | 97.94                        | 113.11                                      | 109.96                                        | 82.90                                                                        | 78.22                        | 70.97                                           | 99.55            | 108.36           | 110.64                                   | 91.28                           | 98.95                       |
| 2008        | 97.89                  | 94.52                        | 114.24                                      | 102.01                                        | 87.07                                                                        | 76.33                        | 75.97                                           | 101.99           | 99.28            | 100.48                                   | 85.44                           | 94.86                       |
| 2009        | 80.85                  | 89.73                        | 103.16                                      | 102.59                                        | 93.06                                                                        | 71.54                        | 81.04                                           | 84.65            | 85.76            | 87.05                                    | 74.65                           | 74.21                       |
| 2010        | 89.33                  | 96.30                        | 113.42                                      | 98.39                                         | 104.84                                                                       | 87.47                        | 86.79                                           | 107.99           | 98.73            | 101.48                                   | 95.74                           | 91.91                       |
| 2011        | 94.83                  | 96.90                        | 114.60                                      | 91.15                                         | 99.42                                                                        | 87.84                        | 88.19                                           | 110.07           | 100.37           | 109.47                                   | 99.56                           | 99.11                       |
| 2012        | 94.72                  | 97.59                        | 108.18                                      | 97.39                                         | 98.90                                                                        | 87.67                        | 93.27                                           | 104.29           | 99.97            | 104.54                                   | 95.36                           | 99.49                       |
| 2013        | 96.30                  | 98.32                        | 106.00                                      | 98.73                                         | 100.13                                                                       | 94.89                        | 96.14                                           | 102.29           | 100.14           | 109.97                                   | 99.19                           | 101.49                      |
| 2014        | 103.61                 | 100.83                       | 104.16                                      | 98.77                                         | 100.41                                                                       | 99.65                        | 92.03                                           | 106.97           | 105.15           | 112.12                                   | 102.75                          | 105.99                      |
| 2015        | 100.88                 | 98.91                        | 101.74                                      | 98.99                                         | 99.80                                                                        | 101.52                       | 95.51                                           | 106.41           | 101.96           | 108.57                                   | 96.01                           | 101.40                      |
| 2016        | 100.00                 | 100.00                       | 100.00                                      | 100.00                                        | 100.00                                                                       | 100.00                       | 100.00                                          | 100.00           | 100.00           | 100.00                                   | 100.00                          | 100.00                      |
| 2017        | 103.34                 | 100.22                       | 96.97                                       | 95.20                                         | 102.67                                                                       | 107.98                       | 99.12                                           | 102.79           | 101.95           | 97.49                                    | 102.73                          | 100.03                      |

Source: Ministry of Economic Affairs

**Table 64. Indices of industrial production (continued)**

2016=100

| Year        | Manufacturing                 |                                          |                      |                     |                        |                                   |           |                                         |                                                           | Electricity & gas supply | Water supply |
|-------------|-------------------------------|------------------------------------------|----------------------|---------------------|------------------------|-----------------------------------|-----------|-----------------------------------------|-----------------------------------------------------------|--------------------------|--------------|
|             | Electronic parts & components | Computers, electronic & optical products | Electrical equipment | Machinery equipment | Motor vehicles & parts | Other transport equipment & parts | Furniture | Manufacturing not else-where classified | Repair & installation of industrial machinery & equipment |                          |              |
| Weights (%) | 421.16                        | 48.40                                    | 17.28                | 38.36               | 24.21                  | 14.08                             | 2.12      | 11.85                                   | 6.38                                                      | 73.24                    | 6.62         |
| 1981        | 1.32                          | 6.93                                     | 23.92                | 25.98               | 27.52                  | 48.06                             | 148.10    | 60.40                                   | ...                                                       | 18.95                    | 33.18        |
| 1991        | 5.38                          | 17.82                                    | 84.54                | 53.67               | 75.39                  | 77.13                             | 250.18    | 110.89                                  | ...                                                       | 40.18                    | 65.06        |
| 1996        | 9.55                          | 27.85                                    | 99.24                | 66.49               | 77.71                  | 81.31                             | 173.12    | 88.11                                   | ...                                                       | 59.91                    | 78.92        |
| 2001        | 14.52                         | 49.74                                    | 107.23               | 62.87               | 67.50                  | 62.28                             | 127.59    | 68.79                                   | ...                                                       | 76.41                    | 103.68       |
| 2006        | 41.47                         | 55.06                                    | 109.69               | 94.14               | 93.65                  | 85.60                             | 96.74     | 69.45                                   | 65.10                                                     | 92.17                    | 103.53       |
| 2008        | 55.86                         | 61.91                                    | 96.71                | 97.11               | 73.07                  | 105.22                            | 93.78     | 70.52                                   | 63.29                                                     | 93.06                    | 101.95       |
| 2009        | 54.59                         | 52.42                                    | 81.10                | 66.24               | 71.07                  | 77.15                             | 75.95     | 63.38                                   | 58.15                                                     | 90.57                    | 99.65        |
| 2010        | 76.65                         | 80.86                                    | 98.18                | 103.52              | 92.79                  | 85.14                             | 90.81     | 74.42                                   | 71.56                                                     | 94.68                    | 100.98       |
| 2011        | 76.75                         | 109.64                                   | 92.94                | 109.94              | 101.12                 | 90.80                             | 90.45     | 74.79                                   | 78.14                                                     | 96.21                    | 101.18       |
| 2012        | 81.06                         | 91.37                                    | 92.40                | 103.34              | 98.64                  | 95.71                             | 96.14     | 78.41                                   | 76.41                                                     | 96.24                    | 100.58       |
| 2013        | 86.89                         | 92.12                                    | 91.65                | 99.03               | 95.01                  | 98.26                             | 93.79     | 82.87                                   | 72.93                                                     | 97.61                    | 101.29       |
| 2014        | 96.75                         | 101.83                                   | 96.33                | 107.52              | 107.16                 | 105.76                            | 98.34     | 91.06                                   | 78.43                                                     | 99.08                    | 101.82       |
| 2015        | 95.55                         | 104.13                                   | 98.19                | 106.11              | 103.91                 | 105.76                            | 100.28    | 94.56                                   | 86.83                                                     | 96.68                    | 99.50        |
| 2016        | 100.00                        | 100.00                                   | 100.00               | 100.00              | 100.00                 | 100.00                            | 100.00    | 100.00                                  | 100.00                                                    | 100.00                   | 100.00       |
| 2017        | 108.20                        | 104.49                                   | 97.94                | 110.86              | 100.38                 | 105.72                            | 99.96     | 112.04                                  | 116.28                                                    | 102.22                   | 101.30       |

Table 65. Industrial production value

Million NT\$

| Year | Grand total | Mining & Quarrying |                                            |                                               | Manufacturing |                              |           |                  |                |                                        |
|------|-------------|--------------------|--------------------------------------------|-----------------------------------------------|---------------|------------------------------|-----------|------------------|----------------|----------------------------------------|
|      |             | Total              | Crude petroleum and natural gas extraction | Quarrying of stone, sand, clay & other mining | Total         | Food & prepared animal feeds | Beverages | Tobacco products | Textiles mills | Wearing apparel & clothing accessories |
| 1981 | ...         | ...                | 11 121                                     | 9 622                                         | 2 511 547     | 268 091                      | 39 432    | 26 830           | 257 740        | 142 869                                |
| 1991 | ...         | ...                | 6 340                                      | 4 298                                         | 4 878 887     | 336 763                      | 81 458    | 32 075           | 337 013        | 163 370                                |
| 1996 | 7 010 254   | 20 988             | 5 326                                      | 15 663                                        | 6 659 890     | 455 089                      | 93 540    | 29 575           | 376 323        | 99 285                                 |
| 2001 | 7 775 653   | 23 739             | 6 944                                      | 16 795                                        | 7 321 512     | 325 018                      | 90 719    | 26 440           | 338 351        | 68 497                                 |
| 2006 | 12 521 963  | 29 461             | 5 506                                      | 23 955                                        | 11 962 851    | 347 316                      | 87 270    | 28 696           | 295 205        | 43 033                                 |
| 2008 | 13 869 188  | 33 413             | 5 602                                      | 27 810                                        | 13 254 772    | 423 024                      | 90 566    | 32 196           | 282 199        | 34 086                                 |
| 2009 | 11 329 815  | 28 901             | 4 655                                      | 24 246                                        | 10 675 425    | 409 074                      | 93 476    | 39 402           | 239 006        | 26 720                                 |
| 2010 | 14 680 770  | 29 624             | 4 264                                      | 25 360                                        | 13 980 039    | 448 643                      | 95 303    | 44 485           | 304 634        | 28 163                                 |
| 2011 | 15 316 190  | 28 229             | 5 157                                      | 23 072                                        | 14 606 969    | 480 244                      | 97 398    | 46 726           | 316 306        | 26 837                                 |
| 2012 | 14 849 580  | 29 769             | 8 143                                      | 21 626                                        | 14 110 231    | 484 325                      | 102 774   | 51 102           | 295 282        | 26 064                                 |
| 2013 | 14 804 124  | 27 814             | 7 068                                      | 20 746                                        | 14 016 588    | 485 429                      | 97 065    | 47 619           | 300 695        | 25 443                                 |
| 2014 | 15 364 878  | 30 046             | 7 108                                      | 22 938                                        | 14 513 432    | 504 540                      | 94 839    | 45 905           | 302 207        | 25 490                                 |
| 2015 | 13 802 947  | 25 634             | 4 566                                      | 21 067                                        | 13 010 070    | 491 492                      | 94 819    | 46 507           | 298 927        | 24 529                                 |
| 2016 | 13 145 607  | 21 084             | 3 003                                      | 18 081                                        | 12 411 640    | 501 879                      | 94 273    | 55 056           | 278 016        | 23 190                                 |
| 2017 | 13 910 073  | 21 170             | 2 795                                      | 18 375                                        | 13 184 032    | 507 011                      | 95 178    | 69 917           | 273 349        | 20 829                                 |

Source: Ministry of Economic Affairs



Table 65. Industrial production value (continued)

Million NT\$

| Year | Manufacturing                   |                                 |                                          |                                           |                             |                                                                              |                                   |                                               |                                        |                                                           |                               |              |
|------|---------------------------------|---------------------------------|------------------------------------------|-------------------------------------------|-----------------------------|------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------|----------------------------------------|-----------------------------------------------------------|-------------------------------|--------------|
|      | Leather, fur & related products | Wood & bamboo products          | Pulp, paper & paper products             | Printing & reproduction of recorded media | Petroleum and coal products | Chemical, fertilizers, nitrogen compounds, plastic & rubber, man-made fibres | Other chemical products           | Pharmaceuticals & medicinal chemical products | Rubber products                        | Plastic products                                          | Non-metallic mineral products | Basic metal  |
| 1981 | 101 634                         | 64 822                          | 63 410                                   | 27 065                                    | 179 476                     | 203 526                                                                      | 36 087                            | 11 251                                        | 28 540                                 | 109 895                                                   | 89 932                        | 100 561      |
| 1991 | 135 701                         | 50 659                          | 115 022                                  | 55 537                                    | 172 672                     | 355 978                                                                      | 97 913                            | 30 853                                        | 55 608                                 | 276 941                                                   | 169 815                       | 322 864      |
| 1996 | 69 705                          | 30 472                          | 133 652                                  | 67 532                                    | 228 611                     | 572 214                                                                      | 128 562                           | 37 490                                        | 61 118                                 | 299 026                                                   | 198 176                       | 500 155      |
| 2001 | 37 845                          | 20 184                          | 120 179                                  | 64 552                                    | 423 627                     | 739 386                                                                      | 136 091                           | 45 059                                        | 56 519                                 | 268 694                                                   | 163 054                       | 551 485      |
| 2006 | 33 009                          | 17 722                          | 148 653                                  | 71 098                                    | 1 005 299                   | 1 593 179                                                                    | 199 160                           | 51 275                                        | 79 435                                 | 281 346                                                   | 218 937                       | 1 401 846    |
| 2008 | 28 237                          | 16 245                          | 165 820                                  | 71 533                                    | 1 302 003                   | 1 966 525                                                                    | 213 197                           | 56 389                                        | 86 307                                 | 281 763                                                   | 217 736                       | 1 761 382    |
| 2009 | 23 770                          | 13 950                          | 139 104                                  | 68 614                                    | 954 425                     | 1 601 296                                                                    | 199 867                           | 59 492                                        | 72 145                                 | 242 869                                                   | 187 411                       | 1 138 133    |
| 2010 | 27 109                          | 16 339                          | 175 202                                  | 75 601                                    | 1 106 042                   | 2 155 322                                                                    | 243 025                           | 62 534                                        | 92 158                                 | 285 604                                                   | 207 394                       | 1 681 390    |
| 2011 | 24 503                          | 17 778                          | 177 247                                  | 77 144                                    | 1 241 463                   | 2 269 122                                                                    | 251 683                           | 63 846                                        | 102 558                                | 295 484                                                   | 221 630                       | 1 801 700    |
| 2012 | 23 064                          | 17 325                          | 169 747                                  | 74 175                                    | 1 391 894                   | 2 134 658                                                                    | 253 562                           | 67 745                                        | 98 803                                 | 295 199                                                   | 215 679                       | 1 568 641    |
| 2013 | 23 501                          | 18 340                          | 167 039                                  | 73 032                                    | 1 319 190                   | 2 155 140                                                                    | 264 814                           | 70 420                                        | 96 354                                 | 297 049                                                   | 225 381                       | 1 465 002    |
| 2014 | 24 879                          | 19 912                          | 171 433                                  | 72 105                                    | 1 269 679                   | 2 111 249                                                                    | 274 483                           | 68 835                                        | 100 289                                | 310 696                                                   | 237 124                       | 1 534 399    |
| 2015 | 19 334                          | 19 233                          | 167 143                                  | 71 012                                    | 841 452                     | 1 678 084                                                                    | 270 144                           | 73 159                                        | 98 397                                 | 300 291                                                   | 226 106                       | 1 216 363    |
| 2016 | 15 078                          | 18 776                          | 163 349                                  | 69 905                                    | 707 064                     | 1 582 164                                                                    | 265 286                           | 76 808                                        | 93 613                                 | 292 186                                                   | 199 847                       | 1 125 896    |
| 2017 | 15 161                          | 18 981                          | 172 528                                  | 67 422                                    | 784 451                     | 1 784 677                                                                    | 273 651                           | 77 297                                        | 96 439                                 | 288 755                                                   | 190 194                       | 1 347 043    |
| Year | Manufacturing                   |                                 |                                          |                                           |                             |                                                                              |                                   |                                               |                                        |                                                           | Electricity & gas supply      | Water supply |
|      | Fabricated metal products       | Electronic parts and components | Computers, electronic & optical products | Electrical equipment                      | Machinery & equipment       | Motor vehicles & parts                                                       | Other transport equipment & parts | Furniture                                     | Manufacturing not elsewhere classified | Repair & installation of industrial machinery & equipment |                               |              |
| 1981 | 149 787                         | 74 691                          | 105 344                                  | 97 933                                    | 66 100                      | 70 917                                                                       | 70 734                            | 31 034                                        | 89 095                                 | 4 749                                                     | 115 975                       | 6 577        |
| 1991 | 358 742                         | 318 803                         | 339 740                                  | 263 505                                   | 229 122                     | 226 307                                                                      | 144 845                           | 60 645                                        | 137 028                                | 9 908                                                     | 208 004                       | 16 725       |
| 1996 | 495 084                         | 798 822                         | 659 664                                  | 328 026                                   | 342 809                     | 283 985                                                                      | 172 288                           | 47 274                                        | 136 005                                | 15 408                                                    | 302 302                       | 27 073       |
| 2001 | 465 752                         | 1 289 784                       | 914 794                                  | 278 453                                   | 344 837                     | 240 941                                                                      | 136 002                           | 38 164                                        | 111 773                                | 25 312                                                    | 390 972                       | 39 430       |
| 2006 | 698 454                         | 2 935 210                       | 756 386                                  | 392 538                                   | 555 141                     | 335 588                                                                      | 193 740                           | 33 706                                        | 111 571                                | 48 036                                                    | 489 387                       | 40 264       |
| 2008 | 790 739                         | 3 046 993                       | 672 505                                  | 396 320                                   | 597 753                     | 259 285                                                                      | 261 459                           | 35 970                                        | 112 754                                | 51 787                                                    | 540 818                       | 40 185       |
| 2009 | 561 546                         | 2 695 905                       | 563 738                                  | 297 674                                   | 395 102                     | 267 495                                                                      | 205 500                           | 28 662                                        | 102 121                                | 48 929                                                    | 586 618                       | 38 871       |
| 2010 | 740 229                         | 3 603 620                       | 790 793                                  | 395 506                                   | 607 051                     | 351 517                                                                      | 230 618                           | 33 189                                        | 119 220                                | 59 347                                                    | 631 430                       | 39 677       |
| 2011 | 828 791                         | 3 313 363                       | 1 028 549                                | 399 249                                   | 667 438                     | 387 059                                                                      | 248 023                           | 33 764                                        | 123 952                                | 65 108                                                    | 640 872                       | 40 120       |
| 2012 | 789 463                         | 3 333 397                       | 812 798                                  | 385 774                                   | 639 733                     | 388 839                                                                      | 260 061                           | 36 150                                        | 130 054                                | 63 922                                                    | 669 437                       | 40 143       |
| 2013 | 782 433                         | 3 487 565                       | 763 375                                  | 374 700                                   | 609 916                     | 373 662                                                                      | 259 539                           | 36 474                                        | 136 469                                | 60 941                                                    | 719 260                       | 40 462       |
| 2014 | 826 487                         | 3 769 945                       | 741 758                                  | 389 034                                   | 668 056                     | 420 570                                                                      | 277 880                           | 39 067                                        | 146 535                                | 66 036                                                    | 780 654                       | 40 747       |
| 2015 | 761 609                         | 3 623 376                       | 697 292                                  | 375 616                                   | 666 037                     | 408 381                                                                      | 280 166                           | 40 151                                        | 146 592                                | 73 859                                                    | 727 612                       | 39 632       |
| 2016 | 740 850                         | 3 535 769                       | 648 864                                  | 367 334                                   | 626 743                     | 388 885                                                                      | 265 804                           | 39 901                                        | 148 612                                | 86 495                                                    | 671 458                       | 41 424       |
| 2017 | 778 969                         | 3 696 071                       | 636 413                                  | 373 558                                   | 672 225                     | 384 622                                                                      | 264 121                           | 39 797                                        | 155 971                                | 99 403                                                    | 662 788                       | 42 083       |

Table 66. Saturation of water supply

| Year | Families or population served (1) |                                   | Percentage of families or population served (1) |                     | Monthly household water consumption per capita (2) (m <sup>3</sup> ) |
|------|-----------------------------------|-----------------------------------|-------------------------------------------------|---------------------|----------------------------------------------------------------------|
|      | No. of families (1,000 Families)  | No. of population (1,000 Persons) | As % of total number of families or population  |                     |                                                                      |
|      |                                   |                                   | Based on families                               | Based on population |                                                                      |
| 1974 | 1 416                             | 7 723                             | 47.86                                           | 48.72               | ...                                                                  |
| 1981 | 1 947                             | 9 565                             | 63.69                                           | 63.92               | 4.59                                                                 |
| 1991 | 3 338                             | 13 495                            | 81.91                                           | 80.81               | 6.93                                                                 |
| 2001 | 6 210                             | 20 287                            | 91.29                                           | 90.54               | 7.71                                                                 |
| 2006 | 6 829                             | 21 018                            | 92.35                                           | 91.87               | 7.53                                                                 |
| 2008 | 7 091                             | 21 240                            | 92.62                                           | 92.20               | 7.39                                                                 |
| 2009 | 7 229                             | 21 318                            | 92.61                                           | 92.21               | 7.24                                                                 |
| 2010 | 7 359                             | 21 386                            | 92.72                                           | 92.33               | 7.26                                                                 |
| 2011 | 7 485                             | 21 494                            | 92.90                                           | 92.55               | 7.23                                                                 |
| 2012 | 7 618                             | 21 622                            | 93.05                                           | 92.74               | 7.20                                                                 |
| 2013 | 7 724                             | 21 722                            | 93.21                                           | 92.93               | 7.27                                                                 |
| 2014 | 7 831                             | 21 826                            | 93.42                                           | 93.14               | 7.36                                                                 |
| 2015 | 7 934                             | 21 953                            | 93.69                                           | 93.45               | 7.36                                                                 |
| 2016 | 8 041                             | 22 060                            | 93.92                                           | 93.71               | 7.47                                                                 |
| 2017 | 8 140                             | 22 136                            | 94.12                                           | 93.91               | 7.53                                                                 |

**Note:** (1) Data come from Taiwan Water Supply Corporation before 2000.

(2) Data do not include Kinmen County and Lienchiang County.

**Source:** Water Resources Agency, Ministry of Economic Affairs

**Table 67. Composition of energy supply**

%

| Year | Quantity of energy supply (10 <sup>3</sup> KLOE) | By energy form         |                                  |             |                   |                          |               |        |
|------|--------------------------------------------------|------------------------|----------------------------------|-------------|-------------------|--------------------------|---------------|--------|
|      |                                                  | Coal and coal products | Crude oil and petroleum products | Natural gas | Biomass and waste | Conventional hydro power | Nuclear power | Others |
| 1989 | 52 281                                           | 23.8                   | 57.1                             | 2.4         | 0                 | 0.9                      | 15.7          | 0.0    |
| 1991 | 58 396                                           | 22.8                   | 53.8                             | 5.0         | 0                 | 0.6                      | 17.5          | 0.0    |
| 1996 | 81 700                                           | 25.8                   | 54.6                             | 5.2         | 0                 | 0.6                      | 13.4          | 0.1    |
| 2001 | 106 548                                          | 30.5                   | 51.6                             | 6.5         | 1.2               | 0.5                      | 9.6           | 0.1    |
| 2006 | 136 833                                          | 30.1                   | 52.1                             | 7.7         | 1.2               | 0.3                      | 8.4           | 0.1    |
| 2008 | 139 289                                          | 30.3                   | 50.8                             | 8.8         | 1.3               | 0.3                      | 8.5           | 0.1    |
| 2009 | 136 482                                          | 28.2                   | 52.6                             | 8.7         | 1.2               | 0.3                      | 8.8           | 0.1    |
| 2010 | 143 079                                          | 29.5                   | 50.0                             | 10.3        | 1.2               | 0.3                      | 8.4           | 0.2    |
| 2011 | 138 916                                          | 31.7                   | 46.1                             | 11.7        | 1.3               | 0.3                      | 8.8           | 0.2    |
| 2012 | 141 691                                          | 30.0                   | 47.8                             | 12.1        | 1.3               | 0.4                      | 8.3           | 0.2    |
| 2013 | 144 229                                          | 30.5                   | 47.4                             | 11.9        | 1.3               | 0.4                      | 8.4           | 0.2    |
| 2014 | 148 592                                          | 29.6                   | 48.3                             | 12.1        | 1.2               | 0.3                      | 8.3           | 0.2    |
| 2015 | 146 198                                          | 29.7                   | 48.2                             | 13.2        | 1.2               | 0.3                      | 7.2           | 0.2    |
| 2016 | 146 686                                          | 29.3                   | 48.9                             | 13.7        | 1.2               | 0.4                      | 6.3           | 0.2    |
| 2017 | 146 635                                          | 30.2                   | 48.4                             | 15.1        | 1.1               | 0.4                      | 4.4           | 0.3    |

Source: Bureau of Energy, Ministry of Economic Affairs

Table 68. Composition of energy consumption

%

| Year | Quantity of domestic energy consumption (10 <sup>3</sup> KLOE) | Energy use (By sector) |            |                |              |          |             | Non-energy use |
|------|----------------------------------------------------------------|------------------------|------------|----------------|--------------|----------|-------------|----------------|
|      |                                                                | Energy                 | Industrial | Transportation | Agricultural | Services | Residential |                |
| 1989 | 34 718                                                         | 9.9                    | 37.6       | 19.5           | 3.2          | 7.1      | 9.4         | 13.3           |
| 1991 | 38 920                                                         | 9.1                    | 37.5       | 20.1           | 2.9          | 7.4      | 9.3         | 13.7           |
| 1996 | 50 889                                                         | 9.1                    | 34.9       | 22.0           | 2.4          | 7.4      | 9.4         | 14.9           |
| 2001 | 65 921                                                         | 8.5                    | 33.5       | 18.9           | 1.7          | 7.3      | 8.7         | 21.4           |
| 2006 | 77 444                                                         | 7.9                    | 34.4       | 17.8           | 1.1          | 7.7      | 8.2         | 22.9           |
| 2008 | 78 785                                                         | 6.7                    | 32.6       | 16.0           | 0.9          | 7.6      | 8.1         | 28.0           |
| 2009 | 78 392                                                         | 6.6                    | 31.0       | 16.3           | 0.8          | 7.5      | 8.2         | 29.7           |
| 2010 | 83 544                                                         | 6.6                    | 32.6       | 15.8           | 0.7          | 7.2      | 7.7         | 29.4           |
| 2011 | 81 312                                                         | 6.8                    | 34.1       | 16.4           | 0.7          | 7.2      | 7.9         | 26.7           |
| 2012 | 81 496                                                         | 6.7                    | 33.7       | 16.1           | 0.8          | 7.1      | 7.7         | 27.9           |
| 2013 | 84 090                                                         | 6.6                    | 33.3       | 15.6           | 0.7          | 7.0      | 7.4         | 29.4           |
| 2014 | 85 066                                                         | 7.1                    | 32.5       | 15.6           | 0.8          | 7.0      | 7.5         | 29.6           |
| 2015 | 85 216                                                         | 7.0                    | 31.7       | 15.9           | 0.8          | 7.1      | 7.5         | 30.1           |
| 2016 | 85 742                                                         | 6.8                    | 31.8       | 16.2           | 0.8          | 7.0      | 7.7         | 29.6           |
| 2017 | 85 263                                                         | 6.9                    | 32.0       | 16.1           | 0.8          | 7.2      | 7.7         | 29.4           |

Source: Bureau of Energy, Ministry of Economic Affairs

**Table 69. Water resources demand and supply****I. Total water supply**Million M<sup>3</sup>

| Year | Grand total | Surface water |                    |                         | Ground water and others | Per capita annual withdrawal (M <sup>3</sup> ) | Percentage of available resources (1) (%) |
|------|-------------|---------------|--------------------|-------------------------|-------------------------|------------------------------------------------|-------------------------------------------|
|      |             | Total         | Intake from rivers | Reservoirs water supply |                         |                                                |                                           |
| 1971 | 15 072      | ...           | ...                | ...                     | ...                     | ...                                            | ...                                       |
| 1981 | 16 613      | ...           | ...                | ...                     | ...                     | ...                                            | ...                                       |
| 1991 | 17 675      | 10 536        | 5 107              | 5 429                   | 7 139                   | 862.0                                          | ...                                       |
| 2001 | 18 477      | 12 992        | 8 199              | 4 793                   | 5 485                   | 827.4                                          | 15.8                                      |
| 2006 | 17 404      | 11 885        | 6 720              | 5 165                   | 5 519                   | 762.6                                          | 16.8                                      |
| 2007 | 18 569      | 12 732        | 8 427              | 4 305                   | 5 837                   | 810.2                                          | 13.6                                      |
| 2008 | 17 978      | 12 144        | 8 720              | 3 424                   | 5 834                   | 781.7                                          | 15.5                                      |
| 2009 | 18 084      | 12 267        | 9 072              | 3 196                   | 5 816                   | 783.6                                          | 20.0                                      |
| 2010 | 17 098      | 11 360        | 7 902              | 3 457                   | 5 739                   | 738.9                                          | 18.2                                      |
| 2011 | 17 218      | 11 497        | 7 383              | 4 114                   | 5 720                   | 742.3                                          | 19.6                                      |
| 2012 | 17 310      | 11 624        | 7 517              | 4 107                   | 5 685                   | 743.8                                          | 13.7                                      |
| 2013 | 17 299      | 11 684        | 7 418              | 4 266                   | 5 615                   | 741.0                                          | 16.5                                      |
| 2014 | 16 864      | 11 340        | 6 996              | 4 344                   | 5 524                   | 720.6                                          | 24.6                                      |
| 2015 | 16 025      | 10 498        | 7 622              | 2 876                   | 5 527                   | 683.0                                          | 19.4                                      |
| 2016 | 16 546      | 11 086        | 6 927              | 4 159                   | 5 460                   | 703.6                                          | 12.6                                      |

**II. Total water consumption**Million M<sup>3</sup>

| Year | Grand total | Agriculture consumption |            |           |             | Domestic consumption | Industrial consumption |
|------|-------------|-------------------------|------------|-----------|-------------|----------------------|------------------------|
|      |             | Total                   | Irrigation | Livestock | Aquaculture |                      |                        |
| 1971 | 15 072      | 13 737                  | ...        | ...       | ...         | 480                  | 855                    |
| 1981 | 16 613      | 13 708                  | ...        | ...       | ...         | 1 125                | 1 780                  |
| 1991 | 17 675      | 13 554                  | 10 332     | 129       | 3 093       | 2 493                | 1 628                  |
| 2001 | 18 477      | 13 012                  | 11 479     | 114       | 1 419       | 3 725                | 1 740                  |
| 2006 | 17 404      | 12 238                  | 10 549     | 111       | 1 578       | 3 591                | 1 575                  |
| 2007 | 18 569      | 13 359                  | 11 667     | 105       | 1 588       | 3 566                | 1 644                  |
| 2008 | 17 978      | 12 960                  | 11 212     | 101       | 1 647       | 3 350                | 1 668                  |
| 2009 | 18 084      | 13 170                  | 11 782     | 73        | 1 315       | 3 362                | 1 551                  |
| 2010 | 17 098      | 12 239                  | 11 088     | 74        | 1 077       | 3 256                | 1 603                  |
| 2011 | 17 218      | 12 435                  | 11 310     | 75        | 1 050       | 3 231                | 1 552                  |
| 2012 | 17 310      | 12 514                  | 11 403     | 72        | 1 039       | 3 186                | 1 610                  |
| 2013 | 17 299      | 12 468                  | 11 384     | 70        | 1 013       | 3 192                | 1 639                  |
| 2014 | 16 864      | 12 031                  | 10 982     | 67        | 982         | 3 197                | 1 636                  |
| 2015 | 16 546      | 11 804                  | 10 857     | 67        | 880         | 3 141                | 1 601                  |
| 2016 | 16 546      | 11 734                  | 10 792     | 66        | 876         | 3 183                | 1 629                  |

**Note:** 1. Data do not include Kinmen County and Lienchiang County before 2000.

2. Domestic water consumption is only tap-water supplied to families before 1980 and includes water intake by self from 1981.

(1) Data do not include Kinmen County and Lienchiang County.

**Source:** Water Resources Agency, Ministry of Economic Affairs



## **TRANSPORTATION, STORAGE, COMMUNICATIONS AND TOURISM**

Table 70. Transport on railway and mass rapid transit

| Year | Passenger traffic volume                   |                                |                               |                                |                                |                                               |                                |
|------|--------------------------------------------|--------------------------------|-------------------------------|--------------------------------|--------------------------------|-----------------------------------------------|--------------------------------|
|      | No. of passengers<br>(1,000 Person-times)  |                                |                               |                                |                                | Passenger-kilometers<br>(1,000 Passenger-kms) | Taiwan Railways Administration |
|      |                                            | Taiwan Railways Administration | Taipei Rapid Transit Corp.    | Taiwan High Speed Rail         | Kaohsiung Rapid Transit Corp.  |                                               |                                |
| 1952 | 32 493                                     | 64 937                         | -                             | -                              | -                              | 1 933 936                                     | 1 749 772                      |
| 1971 | 141 524                                    | 134 213                        | -                             | -                              | -                              | 6 806 205                                     | 6 715 449                      |
| 1981 | 131 667                                    | 130 737                        | -                             | -                              | -                              | 7 981 908                                     | 7 946 881                      |
| 1991 | 137 785                                    | 137 124                        | -                             | -                              | -                              | 8 621 006                                     | 8 611 316                      |
| 2001 | 476 214                                    | 186 079                        | 289 643                       | -                              | -                              | 12 268 691                                    | 10 036 882                     |
| 2008 | 689 880                                    | 178 661                        | 450 024                       | 30 581                         | 29 475                         | 19 065 567                                    | 8 717 782                      |
| 2009 | 718 515                                    | 179 369                        | 462 472                       | 32 349                         | 43 339                         | 19 277 397                                    | 8 386 856                      |
| 2010 | 778 779                                    | 189 763                        | 505 466                       | 36 940                         | 46 010                         | 20 930 786                                    | 8 998 411                      |
| 2011 | 864 491                                    | 205 829                        | 566 404                       | 41 629                         | 49 637                         | 22 825 848                                    | 9 719 605                      |
| 2012 | 925 243                                    | 220 297                        | 602 199                       | 44 526                         | 56 480                         | 24 207 701                                    | 10 185 549                     |
| 2013 | 972 332                                    | 227 287                        | 634 961                       | 47 487                         | 60 706                         | 25 322 755                                    | 10 513 137                     |
| 2014 | 1 024 083                                  | 232 826                        | 679 506                       | 48 025                         | 61 308                         | 26 339 952                                    | 11 037 421                     |
| 2015 | 1 062 853                                  | 232 217                        | 717 512                       | 50 562                         | 60 203                         | 27 110 886                                    | 11 114 977                     |
| 2016 | 1 092 127                                  | 230 365                        | 739 990                       | 56 586                         | 63 103                         | 27 949 684                                    | 10 967 847                     |
| 2017 | 1 122 946                                  | 232 806                        | 746 067                       | 60 571                         | 64 321                         | 29 003 962                                    | 11 016 324                     |
| Year | Passenger traffic volume                   |                                |                               | Freight traffic volume (1)     |                                |                                               |                                |
|      | Passenger-kilometers (1,000 Passenger-kms) |                                |                               |                                |                                |                                               |                                |
|      | Taipei Rapid Transit Corp.                 | Taiwan High Speed Rail         | Kaohsiung Rapid Transit Corp. | Freight tonnage<br>(1,000 MTs) | Taiwan Railways Administration | Ton-kilometers<br>(1,000 Ton-kms)             | Taiwan Railways Administration |
| 1952 | -                                          | -                              | -                             | 17 089                         | 8 231                          | 1 253 832                                     | 1 158 549                      |
| 1971 | -                                          | -                              | -                             | 24 550                         | 15 220                         | 2 550 225                                     | 2 449 599                      |
| 1981 | -                                          | -                              | -                             | 31 723                         | 16 906                         | 2 527 131                                     | 2 392 595                      |
| 1991 | -                                          | -                              | -                             | 26 256                         | 16 417                         | 1 961 142                                     | 1 903 945                      |
| 2001 | 2 223 487                                  | -                              | -                             | 19 287                         | 12 371                         | 1 009 863                                     | 984 633                        |
| 2008 | 3 548 827                                  | 6 566 120                      | 221 476                       | 16 583                         | 11 106                         | 933 341                                       | 925 289                        |
| 2009 | 3 720 991                                  | 6 863 960                      | 297 230                       | 14 144                         | 9 578                          | 776 023                                       | 769 868                        |
| 2010 | 4 123 190                                  | 7 491 020                      | 314 701                       | 15 106                         | 10 426                         | 872 520                                       | 866 301                        |
| 2011 | 4 607 794                                  | 8 147 869                      | 346 198                       | 14 451                         | 10 661                         | 853 362                                       | 847 707                        |
| 2012 | 4 973 667                                  | 8 641 573                      | 400 730                       | 13 905                         | 10 873                         | 833 102                                       | 828 475                        |
| 2013 | 5 232 349                                  | 9 118 060                      | 452 085                       | 11 167                         | 10 659                         | 729 178                                       | 727 279                        |
| 2014 | 5 589 414                                  | 9 235 162                      | 465 106                       | 11 223                         | 11 012                         | 683 452                                       | 681 421                        |
| 2015 | 5 880 980                                  | 9 654 961                      | 446 870                       | 11 117                         | 10 910                         | 636 213                                       | 634 220                        |
| 2016 | 6 016 179                                  | 10 488 340                     | 464 232                       | 9 387                          | 9 215                          | 563 955                                       | 562 276                        |
| 2017 | 6 039 704                                  | 11 103 359                     | 481 384                       | 7 971                          | 7 764                          | 514 520                                       | 512 372                        |

Note: (1) Excluding the data baggages and package

Source: Ministry of Transportation and Communications



**Table 70. Transport on railway and mass rapid transit (continued)**

| Year | Efficiency of seat utilization (%)      |                            |                                |                      |                        |                        | Mileages (3) (Kms)             |                        |
|------|-----------------------------------------|----------------------------|--------------------------------|----------------------|------------------------|------------------------|--------------------------------|------------------------|
|      | Taiwan Railways Administration          |                            |                                |                      |                        | Taiwan High Speed Rail | Taiwan Railways Administration | Taiwan High Speed Rail |
|      | Avg.                                    | Tze-chiang Limited Express | Chu-kuang Limited Express      | Local train (2)      | Ordinary train         |                        |                                |                        |
| 1952 | ...                                     | ...                        | ...                            | ...                  | ...                    | -                      | 940                            | -                      |
| 1971 | ...                                     | ...                        | ...                            | ...                  | ...                    | -                      | 1 000                          | -                      |
| 1981 | ...                                     | ...                        | ...                            | ...                  | ...                    | -                      | 1 091                          | -                      |
| 1991 | 57.9                                    | 96.6                       | 78.5                           | 57.8                 | 29.7                   | -                      | 1 045                          | -                      |
| 2001 | 68.5                                    | 84.3                       | 72.2                           | 65.5                 | 25.8                   | -                      | 1 097                          | -                      |
| 2008 | 57.5                                    | 67.1                       | 53.2                           | 52.5                 | 21.2                   | 43.5                   | 1 091                          | 340                    |
| 2009 | 55.5                                    | 63.7                       | 46.9                           | 52.8                 | 12.8                   | 46.3                   | 1 085                          | 340                    |
| 2010 | 59.7                                    | 71.4                       | 49.1                           | 55.0                 | 12.0                   | 49.0                   | 1 085                          | 340                    |
| 2011 | 63.6                                    | 75.2                       | 54.6                           | 58.2                 | 9.7                    | 51.6                   | 1 087                          | 340                    |
| 2012 | 66.1                                    | 76.8                       | 57.2                           | 61.3                 | 11.8                   | 54.6                   | 1 067                          | 340                    |
| 2013 | 66.9                                    | 76.3                       | 57.2                           | 62.9                 | 12.9                   | 57.5                   | 1 061                          | 340                    |
| 2014 | 66.2                                    | 74.9                       | 52.1                           | 63.3                 | 16.0                   | 57.1                   | 1 065                          | 340                    |
| 2015 | 64.5                                    | 73.2                       | 47.6                           | 61.4                 | 12.8                   | 59.7                   | 1 065                          | 340                    |
| 2016 | 63.3                                    | 70.3                       | 42.9                           | 61.9                 | 11.4                   | 63.5                   | 1 065                          | 348                    |
| 2017 | 65.1                                    | 70.9                       | 43.4                           | 64.3                 | 20.3                   | 65.2                   | 1 065                          | 348                    |
| Year | Total railroad accidents and casualties |                            | Taiwan Railways Administration |                      | Taiwan High Speed Rail |                        | Mass rapid transit             |                        |
|      | Accidents (Cases)                       | Casualties (Persons)       | Accidents (Cases)              | Casualties (Persons) | Accidents (Cases)      | Casualties (Persons)   | Accidents (Cases)              | Casualties (Persons)   |
| 1952 | ...                                     | ...                        | ...                            | ...                  | ...                    | ...                    | ...                            | ...                    |
| 1971 | ...                                     | ...                        | ...                            | ...                  | ...                    | ...                    | ...                            | ...                    |
| 1981 | ...                                     | ...                        | ...                            | ...                  | ...                    | ...                    | ...                            | ...                    |
| 1991 | ...                                     | ...                        | ...                            | ...                  | ...                    | ...                    | ...                            | ...                    |
| 2001 | 878                                     | 290                        | 857                            | 279                  | -                      | -                      | 18                             | 1                      |
| 2008 | 841                                     | 108                        | 825                            | 105                  | 13                     | -                      | 3                              | 3                      |
| 2009 | 824                                     | 124                        | 800                            | 119                  | 12                     | -                      | 24                             | 5                      |
| 2010 | 889                                     | 125                        | 853                            | 114                  | 15                     | -                      | 19                             | 11                     |
| 2011 | 826                                     | 215                        | 812                            | 87                   | 2                      | -                      | 11                             | 8                      |
| 2012 | 684                                     | 107                        | 639                            | 101                  | 35                     | 1                      | 8                              | 6                      |
| 2013 | 696                                     | 91                         | 632                            | 85                   | 40                     | -                      | 10                             | 6                      |
| 2014 | 646                                     | 65                         | 590                            | 59                   | 38                     | -                      | 11                             | 4                      |
| 2015 | 660                                     | 91                         | 618                            | 88                   | 29                     | -                      | 7                              | 3                      |
| 2016 | 609                                     | 75                         | 547                            | 71                   | 48                     | -                      | 7                              | 2                      |
| 2017 | 569                                     | 54                         | 509                            | 50                   | 39                     | -                      | 8                              | 1                      |

**Note:** (2) Including Fu-Hsing Semi Express

(3) The data is end of year.

Table 71. Transport on roads

Km

| End of Year | Length of roads |         |          |            |        |        |              | Road density<br>(M/km <sup>2</sup> ) |
|-------------|-----------------|---------|----------|------------|--------|--------|--------------|--------------------------------------|
|             | Total           | Highway |          |            |        |        | Urban<br>(1) |                                      |
|             |                 |         | National | Provincial | County | Rural  |              |                                      |
| 1952        | 15 619          | 14 734  | -        | 1 364      | 2 815  | 10 555 | ...          | ...                                  |
| 1971        | 15 747          | 15 747  | -        | 2 471      | 2 725  | 10 216 | ...          | ...                                  |
| 1981        | 17 522          | 17 522  | 373      | 3 981      | 2 330  | 10 451 | ...          | ...                                  |
| 1991        | 28 472          | 19 872  | 382      | 4 062      | 2 613  | 12 429 | 8 600        | 791                                  |
| 2001        | 36 466          | 20 675  | 739      | 4 515      | 3 401  | 11 630 | 15 791       | 1 013                                |
| 2008        | 39 315          | 21 492  | 1 010    | 5 024      | 3 484  | 11 560 | 17 823       | 1 092                                |
| 2009        | 39 849          | 21 781  | 1 010    | 5 092      | 3 518  | 11 765 | 18 068       | 1 107                                |
| 2010        | 40 353          | 21 821  | 1 010    | 5 099      | 3 551  | 11 765 | 18 532       | 1 121                                |
| 2011        | 41 298          | 21 847  | 1 010    | 5 124      | 3 551  | 11 766 | 19 451       | 1 147                                |
| 2012        | 43 350          | 23 001  | 1 010    | 5 451      | 3 757  | 12 379 | 20 349       | 1 204                                |
| 2013        | 43 961          | 23 067  | 1 050    | 5 446      | 3 779  | 12 388 | 20 894       | 1 221                                |
| 2014        | 41 916          | 21 575  | 1 050    | 5 148      | 3 619  | 11 362 | 20 341       | 1 164                                |
| 2015        | 41 950          | 21 587  | 1 050    | 5 160      | 3 619  | 11 362 | 20 363       | 1 165                                |
| 2016        | 43 365          | 21 618  | 1 050    | 5 235      | 3 633  | 11 304 | 21 747       | 1 204                                |
| 2017        | 43 206          | 21 710  | 1 050    | 5 262      | 3 602  | 11 383 | 21 496       | 1 200                                |

**Note:** (1) Urban road figures include the part which pavement width is over 6m in urban planning district. Prior to and including 2003, urban road of pavement includes sidewalk, safety island and ditch cover.

**Source:** Ministry of Transportation and Communications

**Table 71. Transport on roads (continued)**

| Year | Passenger traffic volume of automobile transportation |                                             |                |                                            |                  |                     | Freight traffic volume of highway trucking carriers |
|------|-------------------------------------------------------|---------------------------------------------|----------------|--------------------------------------------|------------------|---------------------|-----------------------------------------------------|
|      | No. of passengers (1,000 Person-times)                |                                             |                | Passenger-Kilometers (1,000 Passenger-kms) |                  |                     | Freight tonnages (1,000 MTs)                        |
|      | Total                                                 | City bus                                    | Highway bus    | Total                                      | City bus         | Highway bus         |                                                     |
| 1952 | ...                                                   | ...                                         | ...            | 1 507 145                                  | 497 180          | 1 009 965           | 2 597                                               |
| 1971 | ...                                                   | ...                                         | ...            | 12 468 626                                 | 4 722 119        | 7 746 507           | 39 599                                              |
| 1981 | ...                                                   | ...                                         | ...            | 26 101 329                                 | 6 991 918        | 19 109 412          | 182 646                                             |
| 1991 | 1 638 097                                             | 965 192                                     | 672 906        | 20 548 765                                 | 6 528 376        | 14 020 389          | 254 297                                             |
| 2001 | 1 109 347                                             | 804 337                                     | 305 009        | 15 236 537                                 | 6 288 993        | 8 947 544           | 502 300                                             |
| 2008 | 1 054 094                                             | 807 660                                     | 246 434        | 15 783 116                                 | 6 442 971        | 9 340 145           | 604 137                                             |
| 2009 | 1 038 779                                             | 800 975                                     | 237 805        | 15 882 309                                 | 6 433 076        | 9 449 233           | 596 742                                             |
| 2010 | 1 109 829                                             | 877 067                                     | 232 762        | 16 307 047                                 | 7 021 088        | 9 285 959           | 628 167                                             |
| 2011 | 1 164 297                                             | 943 694                                     | 220 603        | 17 039 888                                 | 7 503 861        | 9 536 027           | 638 499                                             |
| 2012 | 1 191 309                                             | 994 257                                     | 197 051        | 17 585 569                                 | 8 188 123        | 9 397 446           | 653 265                                             |
| 2013 | 1 219 615                                             | 1 045 843                                   | 173 771        | 17 927 530                                 | 8 904 389        | 9 023 140           | 551 430                                             |
| 2014 | 1 238 797                                             | 1 066 896                                   | 171 901        | 18 384 479                                 | 9 326 310        | 9 058 169           | 541 939                                             |
| 2015 | 1 217 178                                             | 1 048 555                                   | 168 623        | 17 565 272                                 | 9 037 316        | 8 527 956           | 531 858                                             |
| 2016 | 1 225 342                                             | 1 056 904                                   | 168 438        | 17 378 671                                 | 8 988 253        | 8 390 417           | 530 290                                             |
| 2017 | 1 235 066                                             | 1 093 161                                   | 141 905        | 17 053 464                                 | 9 342 251        | 7 711 213           | 537 079                                             |
| Year | Freight traffic volume of highway trucking carriers   | Freeway transportation                      |                |                                            |                  |                     |                                                     |
|      |                                                       | Vehicle traffic of freeway (2) (1,000 Cars) |                |                                            |                  | Toll (Million NT\$) | Rule-violating vehicles (Cases)                     |
|      | Ton-kilometers (1,000 Ton-kms)                        | Total                                       | Small vehicles | Large vehicles                             | Tractor trailers |                     |                                                     |
| 1952 | 63 682                                                | ...                                         | ...            | ...                                        | ...              | ...                 | ...                                                 |
| 1971 | 1 554 301                                             | ...                                         | ...            | ...                                        | ...              | ...                 | ...                                                 |
| 1981 | 8 727 256                                             | 96 585                                      | 59 699         | 22 634                                     | 14 252           | 2 184               | ...                                                 |
| 1991 | 11 813 756                                            | 295 616                                     | 226 159        | 40 255                                     | 29 202           | 9 065               | 1 370 484                                           |
| 2001 | 27 810 051                                            | 464 702                                     | 375 777        | 55 336                                     | 33 589           | 18 077              | 2 263 239                                           |
| 2008 | 30 159 525                                            | 543 548                                     | 453 932        | 50 348                                     | 39 269           | 20 481              | 843 169                                             |
| 2009 | 29 071 104                                            | 539 568                                     | 457 101        | 48 561                                     | 33 906           | 20 755              | 697 916                                             |
| 2010 | 29 631 573                                            | 555 060                                     | 464 819        | 51 797                                     | 38 444           | 21 976              | 703 558                                             |
| 2011 | 29 550 818                                            | 571 229                                     | 479 549        | 52 565                                     | 39 115           | 22 602              | 679 086                                             |
| 2012 | 29 850 997                                            | 573 512                                     | 482 797        | 52 562                                     | 38 154           | 21 620              | 657 172                                             |
| 2013 | 38 473 579                                            | 589 778                                     | 498 892        | 52 575                                     | 38 311           | 21 826              | 611 971                                             |
| 2014 | 37 851 697                                            | 5 184 346                                   | 4 490 688      | 393 024                                    | 300 634          | 21 247              | 595 519                                             |
| 2015 | 37 805 306                                            | 5 489 975                                   | 4 791 782      | 399 730                                    | 298 464          | 22 474              | 617 961                                             |
| 2016 | 38 532 689                                            | 5 791 026                                   | 5 076 726      | 409 192                                    | 305 108          | 23 289              | 630 454                                             |
| 2017 | 40 350 856                                            | 5 919 022                                   | 5 193 466      | 415 253                                    | 310 303          | 23 700              | 588 776                                             |

**Note:** (2) Since 2014, the way of calculating vehicles that has been changed by passing through the toll gate, instead of the toll station.

Table 72. Number of registered vehicles

Cars

| End of Year | Total      | Bus       |         |           | Heavy truck |         |           |
|-------------|------------|-----------|---------|-----------|-------------|---------|-----------|
|             |            | Sub-total | Private | Operating | Sub-total   | Private | Operating |
| 1952        | 10 710     | 1 623     | 244     | 1 379     | 3 699       | 1 511   | 2 188     |
| 1971        | 957 295    | 8 900     | 1 732   | 7 168     | 21 992      | 8 028   | 13 964    |
| 1981        | 5 413 409  | 18 790    | 4 726   | 14 064    | 66 564      | 34 782  | 31 782    |
| 1991        | 10 611 036 | 20 120    | 5 381   | 14 739    | 121 161     | 66 184  | 54 977    |
| 2001        | 17 465 037 | 24 053    | 2 580   | 21 473    | 155 140     | 81 813  | 73 327    |
| 2008        | 21 092 358 | 27 339    | 1 723   | 25 616    | 161 231     | 91 215  | 70 016    |
| 2009        | 21 374 175 | 27 667    | 1 909   | 25 758    | 158 812     | 91 543  | 67 269    |
| 2010        | 21 721 447 | 29 030    | 1 856   | 27 174    | 161 084     | 93 304  | 67 780    |
| 2011        | 22 226 684 | 29 991    | 1 863   | 28 128    | 164 221     | 95 003  | 69 218    |
| 2012        | 22 346 398 | 31 098    | 1 770   | 29 328    | 161 256     | 91 468  | 69 788    |
| 2013        | 21 562 645 | 31 960    | 1 689   | 30 271    | 162 122     | 92 449  | 69 673    |
| 2014        | 21 290 279 | 32 928    | 1 661   | 31 267    | 163 446     | 93 563  | 69 883    |
| 2015        | 21 400 863 | 33 890    | 1 647   | 32 243    | 165 695     | 94 866  | 70 829    |
| 2016        | 21 510 650 | 34 531    | 1 651   | 32 880    | 166 943     | 95 772  | 71 171    |
| 2017        | 21 704 365 | 34 188    | 1 650   | 32 538    | 167 088     | 96 685  | 70 403    |

Source: Ministry of Transportation and Communications

**Table 72. Number of registered vehicles (continued)**

| End of Year | Sedan     |           |           | Light truck |         |           | Specially constructed vehicles | Motorcycles |
|-------------|-----------|-----------|-----------|-------------|---------|-----------|--------------------------------|-------------|
|             | Sub-total | Private   | Operating | Sub-total   | Private | Operating |                                |             |
| 1952        | 2 579     | 2 089     | 490       | 325         | 316     | 9         | 482                            | 2 002       |
| 1971        | 55 111    | 32 824    | 22 287    | 25 593      | 24 686  | 907       | 3 656                          | 826 492     |
| 1981        | 506 291   | 438 052   | 68 239    | 211 304     | 206 748 | 4 556     | 11 142                         | 4 591 547   |
| 1991        | 2 541 364 | 2 440 685 | 100 679   | 495 167     | 489 381 | 5 786     | 24 049                         | 7 409 175   |
| 2001        | 4 825 581 | 4 720 641 | 104 940   | 675 533     | 665 718 | 9 815     | 51 528                         | 11 733 202  |
| 2008        | 5 674 426 | 5 530 314 | 144 112   | 812 440     | 786 782 | 25 658    | 51 480                         | 14 365 442  |
| 2009        | 5 704 312 | 5 559 247 | 145 065   | 827 955     | 792 288 | 35 667    | 51 099                         | 14 604 330  |
| 2010        | 5 803 413 | 5 642 969 | 160 444   | 832 466     | 803 493 | 28 973    | 50 522                         | 14 844 932  |
| 2011        | 5 960 088 | 5 787 010 | 173 078   | 848 732     | 817 543 | 31 189    | 50 050                         | 15 173 602  |
| 2012        | 6 091 324 | 5 909 115 | 182 209   | 862 230     | 828 914 | 33 316    | 60 862                         | 15 139 628  |
| 2013        | 6 236 879 | 6 046 599 | 190 280   | 875 544     | 841 477 | 34 067    | 61 017                         | 14 195 123  |
| 2014        | 6 405 778 | 6 205 246 | 200 532   | 890 703     | 855 191 | 35 512    | 61 464                         | 13 735 960  |
| 2015        | 6 573 746 | 6 365 190 | 208 556   | 903 739     | 866 616 | 37 123    | 62 074                         | 13 661 719  |
| 2016        | 6 666 006 | 6 453 083 | 212 923   | 911 524     | 872 709 | 38 815    | 63 419                         | 13 668 227  |
| 2017        | 6 763 422 | 6 542 685 | 220 737   | 919 294     | 879 034 | 40 260    | 64 791                         | 13 755 582  |

**Table 73. Number of national vessels registration and freight traffic volume**

| Year | National vessels registration<br>(1) |                |                | Cargo tonnage<br>(1,000 MTs) | Ton-nautical mile<br>(Million ton-nautical miles) |
|------|--------------------------------------|----------------|----------------|------------------------------|---------------------------------------------------|
|      | Vessels<br>(Vessels)                 | G.R.T<br>(Ton) | D.W.T<br>(Ton) |                              |                                                   |
| 1952 | 7                                    | 2 248          | 1 742          | 2 840                        | 7 055                                             |
| 1971 | 23                                   | 35 803         | 50 139         | 12 571                       | 78 095                                            |
| 1981 | 71                                   | 612 141        | 883 108        | 23 135                       | 139 226                                           |
| 1991 | 245                                  | 5 300 548      | 8 144 768      | 90 907                       | 532 574                                           |
| 2001 | 280                                  | 4 790 827      | 7 472 055      | 101 533                      | 359 295                                           |
| 2008 | 267                                  | 2 868 332      | 4 709 741      | 65 250                       | 129 950                                           |
| 2009 | 267                                  | 2 703 834      | 4 237 587      | 53 972                       | 113 343                                           |
| 2010 | 278                                  | 2 789 176      | 4 400 330      | 55 390                       | 114 607                                           |
| 2011 | 290                                  | 2 888 558      | 4 493 037      | 53 477                       | 126 859                                           |
| 2012 | 288                                  | 3 113 599      | 4 672 453      | 47 727                       | 97 230                                            |
| 2013 | 295                                  | 3 373 753      | 4 977 349      | 49 521                       | 107 343                                           |
| 2014 | 304                                  | 3 635 946      | 5 284 951      | 54 997                       | 116 643                                           |
| 2015 | 313                                  | 3 847 758      | 5 481 654      | 55 414                       | 121 382                                           |
| 2016 | 278                                  | 3 463 074      | 4 958 454      | 55 472                       | 122 086                                           |
| 2017 | 283                                  | 3 578 719      | 5 120 324      | 51 744                       | 111 127                                           |

**Note:** (1) The gross tonnage of the ships in this table is at least 100 tons.

**Source:** Ministry of Transportation and Communications

**Table 74. Waterborne imports and exports, and the percentage carried by national vessels**

1,000 MTs

| Year | Imports and exports |                |                   |                |                   |                |                 | Imports       |                |                                 |                |                 |
|------|---------------------|----------------|-------------------|----------------|-------------------|----------------|-----------------|---------------|----------------|---------------------------------|----------------|-----------------|
|      | Total               | Keelung Harbor | Kaoh-siung Harbor | Hualien Harbor | Taichung Harbor   | Taipei Harbor  | Others (1)      | Sub-total     | Keelung Harbor | Kaoh-siung Harbor               | Hualien Harbor | Taichung Harbor |
| 1952 | 1 859               | 562            | 1 297             | -              | -                 | -              | -               | 1 097         | 386            | 710                             | -              | -               |
| 1971 | 20 640              | 5 900          | 14 550            | 189            | -                 | -              | -               | 15 655        | 4 597          | 11 048                          | 9              | -               |
| 1981 | 59 897              | 8 991          | 38 267            | 1 919          | 3 884             | -              | 6 837           | 48 609        | 6 655          | 31 488                          | 487            | 3 735           |
| 1991 | 121 182             | 23 636         | 68 234            | 2 952          | 18 648            | -              | 7 712           | 103 328       | 17 389         | 60 341                          | 1 720          | 16 895          |
| 2001 | 184 078             | 24 504         | 115 792           | 5 934          | 34 132            | -              | 3 716           | 145 082       | 18 000         | 91 950                          | 2 826          | 29 385          |
| 2008 | 219 928             | 22 465         | 130 192           | 4 914          | 47 072            | 5 400          | 9 884           | 174 182       | 15 756         | 100 297                         | 2 481          | 41 674          |
| 2009 | 202 788             | 17 789         | 112 433           | 4 597          | 48 716            | 9 081          | 10 172          | 157 039       | 12 277         | 83 136                          | 1 561          | 42 884          |
| 2010 | 218 083             | 20 492         | 118 188           | 5 412          | 58 943            | 10 464         | 4 584           | 168 826       | 14 688         | 86 606                          | 2 535          | 52 694          |
| 2011 | 214 687             | 19 152         | 116 090           | 4 627          | 57 280            | 13 100         | 4 438           | 167 340       | 13 614         | 85 571                          | 2 630          | 50 832          |
| 2012 | 212 720             | 18 627         | 113 494           | 3 583          | 59 160            | 13 598         | 4 258           | 166 186       | 13 674         | 82 740                          | 2 436          | 52 765          |
| 2013 | 216 510             | 17 505         | 109 041           | 4 511          | 64 930            | 16 005         | 4 517           | 169 083       | 12 795         | 77 829                          | 2 754          | 58 058          |
| 2014 | 225 737             | 17 015         | 115 798           | 4 240          | 66 971            | 17 473         | 4 240           | 177 777       | 12 449         | 83 825                          | 2 697          | 59 720          |
| 2015 | 213 244             | 15 256         | 103 976           | 3 948          | 68 771            | 17 298         | 3 995           | 168 377       | 11 453         | 74 180                          | 2 597          | 61 331          |
| 2016 | 220 974             | 13 536         | 110 470           | 3 702          | 70 339            | 19 032         | 3 896           | 172 618       | 10 224         | 78 173                          | 2 272          | 61 969          |
| 2017 | 224 663             | 13 962         | 111 555           | 3 306          | 70 208            | 21 916         | 3 716           | 176 698       | 10 662         | 79 439                          | 2 208          | 62 259          |
| Year | Imports             |                | Exports           |                |                   |                |                 |               |                | Carried by national vessels (%) |                |                 |
|      | Taipei Harbor       | Others (1)     | Sub-total         | Keelung Harbor | Kaoh-siung Harbor | Hualien Harbor | Taichung Harbor | Taipei Harbor | Others (1)     | Total                           | Imports        | Exports         |
| 1952 | -                   | -              | 762               | 176            | 586               | -              | -               | -             | -              | 43.2                            | 19.0           | 78.0            |
| 1971 | -                   | -              | 4 985             | 1 303          | 3 502             | 180            | -               | -             | -              | 41.8                            | 46.0           | 28.6            |
| 1981 | -                   | 6 242          | 11 289            | 2 335          | 6 778             | 1 432          | 149             | -             | 594            | 20.4                            | 20.4           | 20.4            |
| 1991 | -                   | 6 984          | 17 854            | 6 248          | 7 893             | 1 232          | 1 753           | -             | 728            | 29.2                            | 30.2           | 23.4            |
| 2001 | -                   | 2 920          | 38 997            | 6 504          | 23 842            | 3 109          | 4 747           | -             | 795            | 24.9                            | 28.1           | 12.9            |
| 2008 | 5 382               | 8 592          | 45 745            | 6 710          | 29 894            | 2 432          | 5 398           | 18            | 1 292          | 9.3                             | 10.4           | 5.0             |
| 2009 | 8 241               | 8 939          | 45 750            | 5 512          | 29 297            | 3 037          | 5 831           | 839           | 1 233          | 12.4                            | 14.3           | 6.0             |
| 2010 | 9 105               | 3 199          | 49 257            | 5 804          | 31 582            | 2 877          | 6 249           | 1 360         | 1 385          | 10.1                            | 10.8           | 7.6             |
| 2011 | 11 603              | 3 089          | 47 347            | 5 538          | 30 519            | 1 997          | 6 448           | 1 497         | 1 349          | 11.3                            | 11.9           | 9.2             |
| 2012 | 11 541              | 3 029          | 46 534            | 4 953          | 30 754            | 1 147          | 6 395           | 2 057         | 1 228          | 12.7                            | 13.6           | 9.4             |
| 2013 | 14 052              | 3 595          | 47 427            | 4 711          | 31 213            | 1 757          | 6 872           | 1 953         | 922            | 12.7                            | 13.4           | 10.4            |
| 2014 | 15 517              | 3 568          | 47 960            | 4 566          | 31 973            | 1 543          | 7 251           | 1 956         | 672            | 12.8                            | 13.7           | 9.8             |
| 2015 | 15 087              | 3 729          | 44 868            | 3 803          | 29 796            | 1 351          | 7 440           | 2 212         | 266            | 14.0                            | 15.1           | 10.0            |
| 2016 | 16 473              | 3 508          | 48 356            | 3 311          | 32 297            | 1 430          | 8 370           | 2 560         | 387            | 11.1                            | 11.8           | 8.7             |
| 2017 | 18 817              | 3 314          | 47 965            | 3 300          | 32 117            | 1 098          | 7 948           | 3 099         | 402            | 10.4                            | 10.9           | 8.6             |

**Note :** Since 2001, the cargo figures have been calculated from customs declaration. Prior to and including 2000, they were sourced from manifest.

General Trade System is adopted from 2016.

(1) Including Su-ao and Anping Harbor

**Source:** Ministry of Transportation and Communications

Table 75. Traffic of civil aviation by airports

| Year | Total                                 |                    |               |                                        |                    |               |         |                 |                    |               |
|------|---------------------------------------|--------------------|---------------|----------------------------------------|--------------------|---------------|---------|-----------------|--------------------|---------------|
|      | No. of aircraft movements (Movements) |                    |               | No. of passengers (1,000 Person-times) |                    |               |         | Tonnage of      |                    |               |
|      | Total                                 | International line | Domestic line | Total                                  | International line | Domestic line | Transit | cargo (1) (MTs) | International line | Domestic line |
| 1952 | 5 133                                 | ...                | ...           | 26                                     | ...                | ...           | ...     | 3 122           | ...                | ...           |
| 1971 | 74 993                                | 30 012             | 44 981        | 3 500                                  | 1 143              | 2 065         | 292     | 63 493          | 48 084             | 15 409        |
| 1981 | 121 654                               | 37 252             | 84 402        | 10 493                                 | 4 063              | 5 639         | 792     | 252 735         | 229 320            | 23 415        |
| 1991 | 317 481                               | 68 181             | 249 300       | 22 832                                 | 10 364             | 11 210        | 1 257   | 714 808         | 670 127            | 44 681        |
| 2001 | 561 910                               | 147 212            | 414 698       | 46 084                                 | 19 501             | 24 614        | 1 970   | 1 310 220       | 1 035 552          | 37 375        |
| 2008 | 357 982                               | 174 748            | 183 234       | 35 236                                 | 23 203             | 9 850         | 2 183   | 1 587 250       | 1 035 352          | 36 746        |
| 2009 | 335 667                               | 166 872            | 168 795       | 36 059                                 | 26 546             | 9 233         | 279     | 1 743 824       | 932 985            | 36 925        |
| 2010 | 360 409                               | 189 323            | 171 086       | 41 091                                 | 31 106             | 9 733         | 251     | 2 335 508       | 1 163 941          | 36 675        |
| 2011 | 385 140                               | 205 337            | 179 803       | 42 856                                 | 32 133             | 10 484        | 239     | 2 178 856       | 1 108 646          | 35 899        |
| 2012 | 404 695                               | 230 123            | 174 572       | 46 860                                 | 35 899             | 10 680        | 282     | 2 091 294       | 1 102 077          | 36 153        |
| 2013 | 426 635                               | 247 378            | 179 257       | 50 336                                 | 39 385             | 10 547        | 403     | 2 084 688       | 1 082 510          | 35 543        |
| 2014 | 454 911                               | 270 732            | 184 179       | 55 357                                 | 44 391             | 10 563        | 402     | 2 221 700       | 1 144 636          | 35 100        |
| 2015 | 481 028                               | 288 959            | 192 069       | 58 156                                 | 47 983             | 9 798         | 374     | 2 150 628       | 1 136 194          | 33 240        |
| 2016 | 527 025                               | 310 713            | 216 312       | 63 253                                 | 51 979             | 10 843        | 431     | 2 233 017       | 1 214 666          | 31 812        |
| 2017 | 509 181                               | 308 799            | 200 382       | 65 979                                 | 54 475             | 11 097        | 406     | 2 416 036       | 1 313 716          | 30 355        |

  

| Year | Taiwan Taoyuan International Airport  |                                        |         |                        | Kaohsiung International Airport       |                                        |                        | Taipei Songshan Airport               |                                        |                        |
|------|---------------------------------------|----------------------------------------|---------|------------------------|---------------------------------------|----------------------------------------|------------------------|---------------------------------------|----------------------------------------|------------------------|
|      | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Transit | Tonnage of cargo (MTs) | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) |
| 1952 | -                                     | -                                      | -       | -                      | -                                     | -                                      | -                      | 5 133                                 | 26                                     | 3 122                  |
| 1971 | -                                     | -                                      | -       | -                      | 11 036                                | 518                                    | 4 695                  | 46 357                                | 2 133                                  | 54 033                 |
| 1981 | 35 202                                | 4 714                                  | 792     | 215 153                | 21 667                                | 1 585                                  | 19 268                 | 21 638                                | 2 035                                  | 7 188                  |
| 1991 | 62 080                                | 10 614                                 | 1 257   | 634 390                | 58 440                                | 4 046                                  | 46 284                 | 68 532                                | 4 192                                  | 14 034                 |
| 2001 | 123 916                               | 18 461                                 | 1 968   | 1 189 874              | 94 531                                | 8 285                                  | 88 744                 | 151 617                               | 10 092                                 | 13 924                 |
| 2008 | 145 993                               | 21 936                                 | 2 182   | 1 493 120              | 47 793                                | 4 161                                  | 62 139                 | 49 264                                | 3 102                                  | 11 831                 |
| 2009 | 139 399                               | 23 293                                 | 279     | 1 654 213              | 40 335                                | 3 661                                  | 56 863                 | 44 655                                | 3 091                                  | 11 406                 |
| 2010 | 156 036                               | 26 749                                 | 251     | 2 230 097              | 41 300                                | 4 053                                  | 69 413                 | 48 925                                | 3 713                                  | 14 355                 |
| 2011 | 163 200                               | 26 414                                 | 239     | 2 064 194              | 42 596                                | 4 051                                  | 59 193                 | 58 185                                | 5 259                                  | 34 492                 |
| 2012 | 180 761                               | 29 270                                 | 282     | 1 981 807              | 45 302                                | 4 466                                  | 57 320                 | 58 170                                | 5 676                                  | 31 311                 |
| 2013 | 194 239                               | 32 214                                 | 403     | 1 967 170              | 46 721                                | 4 646                                  | 60 508                 | 60 066                                | 5 847                                  | 36 320                 |
| 2014 | 208 874                               | 35 804                                 | 402     | 2 088 727              | 51 681                                | 5 397                                  | 68 767                 | 61 881                                | 6 105                                  | 43 528                 |
| 2015 | 221 191                               | 38 473                                 | 369     | 2 021 865              | 55 685                                | 6 001                                  | 63 031                 | 57 642                                | 5 861                                  | 45 218                 |
| 2016 | 244 464                               | 42 296                                 | 419     | 2 097 228              | 57 446                                | 6 417                                  | 71 448                 | 59 351                                | 6 143                                  | 43 641                 |
| 2017 | 246 104                               | 44 879                                 | 399     | 2 269 585              | 51 768                                | 6 479                                  | 81 555                 | 53 854                                | 5 943                                  | 45 154                 |

**Note:** (1) Prior to and including 1994, the figures of cargo included freight, passenger baggages and mail; since 1995, the figures of cargo only include mail and freight (exclude passenger baggages).

**Source:** Ministry of Transportation and Communications



**Table 75. Traffic of civil aviation by airports (continued)**

| Year | Hualien Airport                       |                                        |                        | Taitung Airport                       |                                        |                        | Magong Airport                        |                                        |                        |
|------|---------------------------------------|----------------------------------------|------------------------|---------------------------------------|----------------------------------------|------------------------|---------------------------------------|----------------------------------------|------------------------|
|      | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) |
| 1952 | -                                     | -                                      | -                      | -                                     | -                                      | -                      | -                                     | -                                      | -                      |
| 1971 | 9 342                                 | 407                                    | 2 093                  | 604                                   | 2                                      | 0                      | 5 848                                 | 348                                    | 2 059                  |
| 1981 | 7 808                                 | 726                                    | 1 674                  | 18 235                                | 246                                    | 976                    | 12 033                                | 867                                    | 6 954                  |
| 1991 | 11 784                                | 703                                    | 2 143                  | 30 630                                | 492                                    | 1 220                  | 39 758                                | 1 534                                  | 10 681                 |
| 2001 | 21 473                                | 1 245                                  | 1 270                  | 18 720                                | 948                                    | 566                    | 39 687                                | 1 875                                  | 5 344                  |
| 2008 | 7 518                                 | 412                                    | 751                    | 8 870                                 | 369                                    | 358                    | 32 427                                | 1 688                                  | 6 820                  |
| 2009 | 5 005                                 | 255                                    | 598                    | 10 118                                | 382                                    | 391                    | 31 821                                | 1 703                                  | 6 898                  |
| 2010 | 5 258                                 | 263                                    | 594                    | 10 503                                | 408                                    | 351                    | 33 740                                | 1 838                                  | 7 075                  |
| 2011 | 4 938                                 | 251                                    | 541                    | 10 727                                | 437                                    | 376                    | 35 936                                | 2 010                                  | 7 073                  |
| 2012 | 5 131                                 | 266                                    | 490                    | 11 753                                | 447                                    | 403                    | 34 679                                | 2 107                                  | 6 902                  |
| 2013 | 5 299                                 | 280                                    | 474                    | 11 728                                | 429                                    | 359                    | 34 641                                | 2 156                                  | 7 308                  |
| 2014 | 4 799                                 | 214                                    | 402                    | 13 948                                | 380                                    | 305                    | 33 664                                | 2 119                                  | 6 989                  |
| 2015 | 3 402                                 | 119                                    | 312                    | 30 109                                | 302                                    | 281                    | 34 346                                | 2 078                                  | 6 296                  |
| 2016 | 5 599                                 | 184                                    | 288                    | 43 984                                | 300                                    | 284                    | 35 682                                | 2 320                                  | 6 061                  |
| 2017 | 4 522                                 | 235                                    | 191                    | 43 705                                | 323                                    | 236                    | 31 144                                | 2 380                                  | 5 663                  |
| Year | Taichung Airport                      |                                        |                        | Tainan Airport                        |                                        |                        | Others (3)                            |                                        |                        |
|      | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) | No. of aircraft movements (Movements) | No. of passengers (1,000 Person-times) | Tonnage of cargo (MTs) |
| 1952 | -                                     | -                                      | -                      | -                                     | -                                      | -                      | -                                     | -                                      | -                      |
| 1971 | 756                                   | 38                                     | 202                    | 1 050                                 | 54                                     | 413                    | -                                     | -                                      | -                      |
| 1981 | 1 798                                 | 15                                     | 209                    | 2 553                                 | 236                                    | 826                    | 720                                   | 71                                     | 488                    |
| 1991 | 9 546                                 | 189                                    | 697                    | 12 642                                | 644                                    | 1 900                  | 24 069                                | 419                                    | 3 459                  |
| 2001 | 36 829                                | 1 246                                  | 1 683                  | 22 274                                | 1 646                                  | 1 198                  | 52 863                                | 2 286                                  | 7 617                  |
| 2008 | 17 464                                | 1 106                                  | 1 723                  | 6 682                                 | 286                                    | 832                    | 41 971                                | 2 176                                  | 9 676                  |
| 2009 | 14 352                                | 1 015                                  | 1 947                  | 4 453                                 | 196                                    | 648                    | 45 529                                | 2 463                                  | 10 860                 |
| 2010 | 16 503                                | 1 284                                  | 2 294                  | 3 960                                 | 213                                    | 733                    | 44 184                                | 2 570                                  | 10 596                 |
| 2011 | 18 437                                | 1 450                                  | 2 133                  | 4 178                                 | 235                                    | 570                    | 46 943                                | 2 749                                  | 10 284                 |
| 2012 | 19 710                                | 1 592                                  | 1 820                  | 4 094                                 | 231                                    | 575                    | 45 095                                | 2 805                                  | 10 666                 |
| 2013 | 22 120                                | 1 807                                  | 2 004                  | 4 746                                 | 249                                    | 610                    | 47 075                                | 2 708                                  | 9 935                  |
| 2014 | 25 293                                | 2 187                                  | 2 143                  | 5 294                                 | 314                                    | 645                    | 49 477                                | 2 837                                  | 10 194                 |
| 2015 | 26 456                                | 2 343                                  | 2 942                  | 5 566                                 | 321                                    | 632                    | 46 631                                | 2 658                                  | 10 051                 |
| 2016 | 25 945                                | 2 380                                  | 3 807                  | 6 081                                 | 367                                    | 682                    | 48 473                                | 2 846                                  | 9 578                  |
| 2017 | 25 528                                | 2 395                                  | 3 567                  | 6 364                                 | 447                                    | 697                    | 46 192                                | 2 898                                  | 9 388                  |

**Note:** (3) From 2004, it includes the data of Hengchun Airport.

**Table 76. Cross-strait postal delivery and number of telephone incoming and outgoing volume**

Pieces, Calls, Minutes

| Year | Correspondence |                         |                         | Telephone   |             |             |              |
|------|----------------|-------------------------|-------------------------|-------------|-------------|-------------|--------------|
|      | Total          | From Taiwan to Mainland | From Mainland to Taiwan | Incoming    |             | Outgoing    |              |
|      |                |                         |                         | Calls       | Minutes     | Calls       | Minutes      |
| 1989 | 10 681 100     | 4 553 936               | 6 127 164               | 767 606     | 2 938 639   | 730 351     | 3 074 102    |
| 1991 | 15 197 609     | 6 109 466               | 9 088 143               | 8 025 958   | 26 257 083  | 8 719 209   | 26 989 763   |
| 1996 | 18 042 925     | 6 532 580               | 11 510 345              | 42 956 178  | 115 162 620 | 53 541 006  | 168 739 603  |
| 2001 | 12 630 660     | 5 004 283               | 7 626 377               | 114 970 716 | 321 953 043 | 154 668 202 | 509 835 107  |
| 2006 | 12 486 723     | 5 985 106               | 6 501 617               | 358 902 498 | 875 980 140 | 350 297 538 | 1505 975 668 |
| 2008 | 10 201 026     | 4 638 916               | 5 562 110               | 234 701 523 | 714 055 458 | 371 859 974 | 1538 542 237 |
| 2009 | 8 764 597      | 3 814 799               | 4 949 798               | 221 953 162 | 576 594 289 | 369 005 987 | 1423 249 660 |
| 2010 | 8 331 250      | 3 518 056               | 4 813 194               | 204 625 818 | 552 919 921 | 403 616 104 | 1496 326 500 |
| 2011 | 8 575 531      | 3 597 429               | 4 978 102               | 171 584 037 | 470 973 044 | 393 344 578 | 1364 127 550 |
| 2012 | 8 479 704      | 4 030 086               | 4 449 618               | 167 278 555 | 321 077 486 | 366 139 852 | 1186 399 744 |
| 2013 | 8 582 875      | 4 181 431               | 4 401 444               | 150 690 749 | 353 651 437 | 275 674 467 | 873 445 344  |
| 2014 | 8 692 880      | 4 643 922               | 4 048 958               | 161 446 245 | 310 080 038 | 286 519 406 | 794 238 649  |
| 2015 | 7 719 788      | 4 248 171               | 3 471 617               | 125 738 404 | 247 510 228 | 212 922 279 | 616 522 122  |
| 2016 | 6 851 716      | 3 699 181               | 3 152 535               | 71 952 515  | 181 607 130 | 169 657 521 | 427 881 509  |
| 2017 | 6 203 437      | 3 245 651               | 2 957 786               | 63 494 475  | 153 076 379 | 77 095 260  | 256 130 803  |

**Note:** The Ordinary Correspondence Posted to Mainland is operated from Apr. 18, 1988, and the Ordinary Correspondence Delivered from Mainland is operated from Mar. 19, 1988. Besides, the Registered Correspondence between Taiwan and Mainland are posted and delivered from June 1, 1993.

**Source:** 1. Ministry of Transportation and Communications

2. National Communications Commission

**Table 77. Telephone business**

| End of Year | Subscribers of local telephones<br>(10,000 Households) |                    | Subscribers of mobile telephones<br>(1,000 Subscribers) |                                        | No. of public telephones<br>(Sets) | Long-distance telephone circuits                    |
|-------------|--------------------------------------------------------|--------------------|---------------------------------------------------------|----------------------------------------|------------------------------------|-----------------------------------------------------|
|             | Subscribers per 100 pop.<br>(Subscribers)              |                    | No. of minutes of outgoing calls<br>(Million minutes)   | Domestic<br>(Circuits)                 |                                    |                                                     |
| 1952        | 2                                                      | ...                | -                                                       | -                                      | ...                                | 463                                                 |
| 1971        | 31                                                     | ...                | -                                                       | -                                      | 7 133                              | 4 266                                               |
| 1981        | 282                                                    | ...                | -                                                       | -                                      | 59 116                             | 63 012                                              |
| 1991        | 685                                                    | ...                | 197                                                     | ...                                    | 107 061                            | 296 842                                             |
| 2001        | 1 286                                                  | 57.4               | 21 786                                                  | 17 301                                 | 138 623                            | 921 225                                             |
| 2008        | 1 308                                                  | 56.8               | 25 413                                                  | 33 539                                 | 95 504                             | 11 058 124                                          |
| 2009        | 1 282                                                  | 55.5               | 26 959                                                  | 36 664                                 | 91 228                             | 9 587 932                                           |
| 2010        | 1 270                                                  | 54.8               | 27 840                                                  | 39 967                                 | 87 518                             | 10 360 710                                          |
| 2011        | 1 268                                                  | 54.6               | 28 862                                                  | 42 835                                 | 82 345                             | 7 310 590                                           |
| 2012        | 1 241                                                  | 53.2               | 29 449                                                  | 43 477                                 | 78 107                             | 6 760 106                                           |
| 2013        | 1 223                                                  | 52.3               | 29 701                                                  | 37 582                                 | 74 616                             | 5 514 334                                           |
| 2014        | 1 210                                                  | 51.4               | 26 535                                                  | 30 825                                 | 69 820                             | 5 480 924                                           |
| 2015        | 1 189                                                  | 50.6               | 29 369                                                  | 26 795                                 | 64 361                             | 4 647 876                                           |
| 2016        | 1 170                                                  | 49.7               | 28 928                                                  | 22 537                                 | 59 352                             | 4 107 852                                           |
| 2017        | 1 145                                                  | 48.6               | 28 656                                                  | 18 161                                 | 53 826                             | 6 202 512                                           |
| End of Year | Long-distance telephone circuits                       |                    |                                                         | International telephones (1)           |                                    |                                                     |
|             | International (Circuits)                               |                    |                                                         | No. of outgoing calls<br>(1,000 Calls) | Mainland China                     | No. of minutes of outgoing calls<br>(1,000 Minutes) |
|             | Total                                                  | Telephone circuits | Data circuits                                           |                                        |                                    |                                                     |
| 1952        | ...                                                    | ...                | ...                                                     | ...                                    | -                                  | ...                                                 |
| 1971        | ...                                                    | ...                | ...                                                     | ...                                    | -                                  | ...                                                 |
| 1981        | ...                                                    | ...                | ...                                                     | 4 293                                  | -                                  | 27 049                                              |
| 1991        | ...                                                    | ...                | ...                                                     | 104 844                                | 8 719                              | 297 616                                             |
| 2001        | ...                                                    | ...                | ...                                                     | 433 642                                | 154 668                            | 1 514 416                                           |
| 2008        | 1 852 963                                              | 69 830             | 1 783 133                                               | 948 230                                | 371 860                            | 3 993 877                                           |
| 2009        | 3 047 981                                              | 73 340             | 2 974 641                                               | 1 000 451                              | 369 006                            | 4 192 733                                           |
| 2010        | 3 903 549                                              | 65 850             | 3 837 699                                               | 1 096 639                              | 403 616                            | 4 650 852                                           |
| 2011        | 5 537 101                                              | 71 932             | 5 465 169                                               | 1 065 185                              | 393 345                            | 4 666 714                                           |
| 2012        | 7 237 750                                              | 77 916             | 7 159 834                                               | 1 089 690                              | 366 140                            | 4 941 466                                           |
| 2013        | 9 978 853                                              | 83 840             | 9 895 013                                               | 828 532                                | 275 674                            | 3 800 525                                           |
| 2014        | 13 522 970                                             | 82 636             | 13 440 334                                              | 740 936                                | 286 519                            | 2 960 807                                           |
| 2015        | 18 540 103                                             | 87 407             | 18 452 696                                              | 607 540                                | 212 922                            | 2 230 693                                           |
| 2016        | 23 253 314                                             | 79 049             | 23 174 265                                              | 507 428                                | 169 658                            | 1 829 726                                           |
| 2017        | 33 306 651                                             | 74 221             | 33 232 430                                              | 372 689                                | 77 095                             | 1 366 845                                           |

**Note:** (1) Telephone services between the Straits started from June 1989.

**Source:** 1. Ministry of Transportation and Communications

2. National Communications Commission

Table 78. Data communication business

| End of Year | No. of rental data circuit (Circuits) |          |               | Subscribers of<br>ISDN<br>(Households) | No. of internet<br>accounts<br>(1,000 Households) | Broadband<br>(1,000 Households) | Regular internet<br>pop.<br>(10,000 Persons) |
|-------------|---------------------------------------|----------|---------------|----------------------------------------|---------------------------------------------------|---------------------------------|----------------------------------------------|
|             | Total                                 | Domestic | International |                                        |                                                   |                                 |                                              |
| 1986        | 54                                    | -        | 54            | -                                      | -                                                 | -                               | -                                            |
| 1991        | 30 899                                | 30 742   | 157           | -                                      | -                                                 | -                               | 1                                            |
| 1996        | 61 988                                | 61 600   | 388           | -                                      | 165                                               | -                               | 60                                           |
| 2001        | 147 022                               | 146 557  | 465           | 42 470                                 | 6 232                                             | 1 170                           | 782                                          |
| 2006        | 166 954                               | 165 816  | 1 138         | 63 449                                 | 7 037                                             | 4 506                           | 976                                          |
| 2008        | 165 775                               | 164 380  | 1 395         | 69 798                                 | 6 027                                             | 5 024                           | 1 046                                        |
| 2009        | 165 225                               | 163 725  | 1 500         | 88 804                                 | 5 668                                             | 4 998                           | 1 067                                        |
| 2010        | 167 749                               | 166 177  | 1 572         | 105 826                                | 5 888                                             | 5 312                           | 1 079                                        |
| 2011        | 172 124                               | 170 476  | 1 648         | 123 321                                | 6 092                                             | 5 516                           | 1 097                                        |
| 2012        | 161 736                               | 160 070  | 1 666         | 118 102                                | 6 988                                             | 6 449                           | 1 107                                        |
| 2013        | 144 673                               | 142 881  | 1 792         | 109 373                                | 7 536                                             | 7 012                           | 1 109                                        |
| 2014        | 138 384                               | 136 511  | 1 873         | 104 324                                | 7 945                                             | 7 437                           | 1 110                                        |
| 2015        | 146 442                               | 144 112  | 2 330         | 14 423                                 | 8 112                                             | 7 617                           | 1 101                                        |
| 2016        | 169 004                               | 166 806  | 2 198         | 13 753                                 | 6 205                                             | 5 792                           | ...                                          |
| 2017        | 152 179                               | 150 040  | 2 139         | 13 073                                 | 6 223                                             | 5 823                           | ...                                          |

Source: 1. Ministry of Transportation and Communications  
2. National Communications Commission  
3. Institute for Information Industry

**Table 79. Outbound visitors**

Person-times

| Year | Total      | By destination of trip |         |         |         |        |         |
|------|------------|------------------------|---------|---------|---------|--------|---------|
|      |            | Asia                   | America | Europe  | Oceania | Africa | Others  |
| 1980 | 484 901    | 402 244                | 73 754  | 4 830   | 1 300   | 2 773  | -       |
| 1981 | 575 537    | 480 673                | 80 901  | 6 777   | 1 779   | 5 407  | -       |
| 1991 | 3 366 076  | 3 039 090              | 284 062 | 20 281  | 7 894   | 14 749 | -       |
| 2001 | 7 152 877  | 5 970 766              | 673 906 | 246 659 | 131 810 | -      | 129 736 |
| 2006 | 8 671 375  | 7 525 166              | 687 038 | 258 263 | 124 604 | -      | 76 304  |
| 2008 | 8 465 172  | 7 453 726              | 580 983 | 225 023 | 93 221  | 40     | 112 179 |
| 2009 | 8 142 946  | 7 319 789              | 477 468 | 236 782 | 103 115 | 2 838  | 2 954   |
| 2010 | 9 415 074  | 8 642 677              | 499 518 | 172 405 | 95 845  | 1 110  | 3 519   |
| 2011 | 9 583 873  | 8 762 214              | 473 259 | 239 062 | 101 614 | 238    | 7 486   |
| 2012 | 10 239 760 | 9 367 597              | 537 014 | 240 760 | 89 166  | 1 826  | 3 397   |
| 2013 | 11 052 908 | 10 388 937             | 446 595 | 119 800 | 97 120  | 14     | 442     |
| 2014 | 11 844 635 | 11 095 664             | 495 479 | 133 677 | 116 342 | 13     | 3 460   |
| 2015 | 13 182 976 | 12 353 288             | 548 267 | 161 529 | 118 390 | 30     | 1 472   |
| 2016 | 14 588 923 | 13 539 067             | 623 191 | 258 087 | 157 726 | 5 206  | 5 646   |
| 2017 | 15 654 579 | 14 253 762             | 697 361 | 496 529 | 184 317 | 16 740 | 5 870   |

**Note:** The figures are outbound departure of first or main destination.**Source:** Ministry of Transportation and Communications

**Table 80. Visitor arrivals and visitor expenditures**

| Year | Visitor arrivals (Person-times) |            |                  | No. of visitors arriving by visiting purpose (Person-times) |                |          |                 |        |            |
|------|---------------------------------|------------|------------------|-------------------------------------------------------------|----------------|----------|-----------------|--------|------------|
|      | Total                           | Foreigners | Overseas Chinese | Pleasure                                                    | Mainland China | Business | Visit relatives | Study  | Conference |
| 1981 | 1 409 465                       | 1 116 008  | 293 457          | 1 095 754                                                   | ...            | 129 756  | 43 841          | 7 122  | -          |
| 1991 | 1 854 506                       | 1 629 448  | 225 058          | 826 441                                                     | -              | 436 490  | 154 309         | 24 579 | 15 964     |
| 1996 | 2 358 221                       | 2 088 539  | 269 682          | 904 489                                                     | -              | 704 450  | 241 704         | 27 320 | 25 931     |
| 2001 | 2 831 035                       | 2 291 871  | 539 164          | 1 021 572                                                   | 17 643         | 848 732  | 332 834         | 26 971 | 39 390     |
| 2006 | 3 519 827                       | 2 855 629  | 664 198          | 1 510 207                                                   | 102 782        | 949 836  | 377 455         | 38 649 | 52 634     |
| 2008 | 3 845 187                       | 2 962 536  | 882 651          | 1 775 229                                                   | 94 765         | 881 431  | 404 692         | 45 229 | 59 226     |
| 2009 | 4 395 004                       | 2 770 082  | 1 624 922        | 2 298 334                                                   | 539 106        | 795 669  | 413 942         | 54 701 | 68 925     |
| 2010 | 5 567 277                       | 3 235 477  | 2 331 800        | 3 246 005                                                   | 1 228 086      | 937 777  | 496 627         | 62 681 | 88 097     |
| 2011 | 6 087 484                       | 3 588 727  | 2 498 757        | 3 633 856                                                   | 1 290 933      | 984 845  | 500 131         | 62 829 | 81 780     |
| 2012 | 7 311 470                       | 3 831 635  | 3 479 835        | 4 677 330                                                   | 2 019 757      | 893 767  | 444 213         | 62 719 | 62 988     |
| 2013 | 8 016 280                       | 4 095 599  | 3 920 681        | 5 479 099                                                   | 2 263 635      | 927 262  | 469 877         | 75 938 | 61 608     |
| 2014 | 9 910 204                       | 4 687 048  | 5 223 156        | 7 192 095                                                   | 3 393 346      | 769 665  | 393 656         | 56 562 | 63 135     |
| 2015 | 10 439 785                      | 4 883 047  | 5 556 738        | 7 505 457                                                   | 3 437 425      | 758 889  | 408 034         | 59 204 | 60 777     |
| 2016 | 10 690 279                      | 5 703 020  | 4 987 259        | 7 560 753                                                   | 2 845 547      | 732 968  | 428 625         | 67 954 | 64 704     |
| 2017 | 10 739 601                      | 6 452 938  | 4 286 663        | 7 648 509                                                   | 2 093 548      | 744 402  | 455 429         | 73 135 | 66 519     |

  

| Year | No. of visitors arriving by visiting purpose (Person-times) |                   |           | Visitor expenditures (Million US\$) | Per visitor                     |                         |                 | Occupancy rate (%)          |                        |
|------|-------------------------------------------------------------|-------------------|-----------|-------------------------------------|---------------------------------|-------------------------|-----------------|-----------------------------|------------------------|
|      | Exhibitions                                                 | Medical treatment | Others    |                                     | Average length of stay (Nights) | Spending per day (US\$) | Spending (US\$) | International tourist hotel | Standard tourist hotel |
| 1981 | -                                                           | -                 | 132 992   | 1 080                               | 6.62                            | 116                     | 766.5           | ...                         | ...                    |
| 1991 | -                                                           | -                 | 396 723   | 2 018                               | 7.31                            | 149                     | 1 088.4         | 56.4                        | 45.1                   |
| 1996 | -                                                           | -                 | 454 327   | 3 636                               | 7.40                            | 208                     | 1 542.1         | 63.4                        | 55.7                   |
| 2001 | -                                                           | -                 | 561 536   | 4 335                               | 7.37                            | 208                     | 1 531.3         | 62.0                        | 58.9                   |
| 2006 | -                                                           | -                 | 591 046   | 5 136                               | 6.92                            | 211                     | 1 459.2         | 70.4                        | 62.5                   |
| 2008 | -                                                           | -                 | 679 380   | 5 936                               | 7.30                            | 211                     | 1 543.7         | 66.0                        | 57.9                   |
| 2009 | -                                                           | -                 | 763 433   | 6 816                               | 7.17                            | 216                     | 1 550.9         | 63.9                        | 55.8                   |
| 2010 | -                                                           | -                 | 736 090   | 8 719                               | 7.06                            | 222                     | 1 566.2         | 68.9                        | 65.2                   |
| 2011 | -                                                           | -                 | 824 043   | 11 065                              | 7.05                            | 258                     | 1 817.6         | 69.5                        | 62.2                   |
| 2012 | 15 789                                                      | 58 444            | 1 096 220 | 11 769                              | 6.87                            | 234                     | 1 609.7         | 70.9                        | 66.2                   |
| 2013 | 16 316                                                      | 100 083           | 886 097   | 12 322                              | 6.86                            | 224                     | 1 537.1         | 71.0                        | 62.8                   |
| 2014 | 13 316                                                      | 60 951            | 1 360 824 | 14 615                              | 6.65                            | 222                     | 1 474.7         | 73.5                        | 66.6                   |
| 2015 | 13 749                                                      | 67 298            | 1 566 377 | 14 388                              | 6.63                            | 208                     | 1 378.2         | 71.0                        | 63.6                   |
| 2016 | 14 876                                                      | 38 260            | 1 782 139 | 13 374                              | 6.49                            | 193                     | 1 251.1         | 67.7                        | 62.1                   |
| 2017 | 16 274                                                      | 30 764            | 1 704 569 | 12 315                              | 6.39                            | 179                     | 1 146.7         | 66.5                        | 59.3                   |

Source: Ministry of Transportation and Communications

**Table 81. Number of foreign visitor arrivals by residence**

Persons

| Year | Grand Total |           |                  |           |           |          |           |           |             |          |
|------|-------------|-----------|------------------|-----------|-----------|----------|-----------|-----------|-------------|----------|
|      |             | Asia      | Hong Kong, Macao | Japan     | Korea     | Malaysia | Singapore | Indonesia | Philippines | Thailand |
| 2003 | 1 812 034   | 1 336 849 | 56 076           | 655 131   | 90 174    | 66 487   | 78 300    | 37 116    | 75 851      | 97 478   |
| 2004 | 2 428 297   | 1 760 612 | 70 878           | 885 168   | 144 769   | 92 272   | 116 445   | 43 694    | 82 319      | 101 989  |
| 2005 | 2 798 210   | 2 107 089 | 77 275           | 1 122 192 | 178 964   | 107 084  | 165 666   | 88 086    | 87 205      | 92 584   |
| 2006 | 2 855 629   | 2 164 552 | 77 549           | 1 159 533 | 192 521   | 114 761  | 183 511   | 90 593    | 75 240      | 94 644   |
| 2007 | 2 988 815   | 2 262 176 | 79 548           | 1 164 446 | 222 347   | 140 720  | 204 015   | 95 327    | 80 117      | 89 137   |
| 2008 | 2 962 536   | 2 213 938 | 78 628           | 1 084 888 | 247 815   | 155 073  | 204 967   | 110 017   | 83 056      | 83 685   |
| 2009 | 2 770 082   | 2 052 861 | 84 685           | 998 973   | 164 152   | 166 354  | 194 129   | 106 272   | 73 182      | 77 344   |
| 2010 | 3 235 477   | 2 459 348 | 93 662           | 1 078 459 | 213 863   | 285 038  | 241 008   | 123 409   | 84 464      | 91 657   |
| 2011 | 3 588 727   | 2 773 717 | 97 222           | 1 292 999 | 239 740   | 307 301  | 299 238   | 155 881   | 98 740      | 101 695  |
| 2012 | 3 831 635   | 3 001 848 | 109 735          | 1 430 946 | 255 990   | 340 399  | 326 876   | 163 188   | 102 387     | 96 698   |
| 2013 | 4 095 599   | 3 225 595 | 120 924          | 1 420 092 | 348 125   | 393 699  | 364 348   | 170 877   | 97 175      | 103 357  |
| 2014 | 4 687 048   | 3 754 200 | 119 405          | 1 633 608 | 524 975   | 438 621  | 375 940   | 182 335   | 134 569     | 104 172  |
| 2015 | 4 883 047   | 3 919 868 | 119 893          | 1 625 900 | 655 886   | 430 843  | 392 687   | 177 397   | 136 915     | 123 872  |
| 2016 | 5 703 020   | 4 644 519 | 120 225          | 1 894 172 | 881 245   | 473 683  | 406 947   | 188 295   | 170 022     | 195 020  |
| 2017 | 6 452 938   | 5 305 939 | 121 881          | 1 897 327 | 1 050 922 | 527 293  | 425 238   | 189 178   | 288 033     | 292 054  |
| Year |             |           |                  |           |           |          |           | Oceania   | Africa      | Others   |
|      | America     | Canada    | U.S.A.           | Europe    | France    | Germany  | U.K.      |           |             |          |
| 2003 | 311 594     | 33 873    | 270 523          | 118 273   | 15 188    | 28 476   | 28 316    | 31 849    | 7 375       | 6 094    |
| 2004 | 440 887     | 49 891    | 380 210          | 164 032   | 21 152    | 37 063   | 36 913    | 50 294    | 9 538       | 2 934    |
| 2005 | 453 271     | 53 838    | 388 153          | 171 665   | 21 785    | 39 626   | 35 748    | 55 185    | 9 018       | 1 982    |
| 2006 | 457 167     | 53 225    | 392 004          | 171 816   | 22 372    | 38 602   | 35 794    | 51 433    | 8 714       | 1 947    |
| 2007 | 464 911     | 56 554    | 395 036          | 185 553   | 23 693    | 39 372   | 39 758    | 61 146    | 8 414       | 6 615    |
| 2008 | 456 494     | 59 605    | 383 747          | 199 952   | 23 956    | 40 129   | 48 176    | 67 930    | 8 334       | 15 888   |
| 2009 | 436 859     | 59 490    | 365 266          | 196 120   | 24 975    | 39 372   | 44 619    | 65 551    | 7 578       | 11 113   |
| 2010 | 469 099     | 64 074    | 391 440          | 202 394   | 26 249    | 42 280   | 44 242    | 71 424    | 8 076       | 25 136   |
| 2011 | 489 442     | 67 049    | 408 054          | 211 422   | 28 909    | 44 506   | 43 278    | 70 018    | 8 714       | 35 414   |
| 2012 | 491 814     | 70 081    | 406 806          | 217 359   | 31 304    | 44 915   | 42 658    | 74 971    | 8 687       | 36 956   |
| 2013 | 497 550     | 72 254    | 410 295          | 222 561   | 32 244    | 46 416   | 42 367    | 77 152    | 8 608       | 64 133   |
| 2014 | 560 904     | 88 234    | 455 226          | 264 408   | 36 249    | 52 418   | 58 103    | 92 576    | 9 788       | 5 172    |
| 2015 | 583 707     | 90 370    | 475 933          | 273 543   | 38 228    | 54 847   | 58 675    | 90 364    | 10 013      | 5 552    |
| 2016 | 644 573     | 105 877   | 520 122          | 299 184   | 42 252    | 59 662   | 59 763    | 97 837    | 10 507      | 6 400    |
| 2017 | 696 934     | 117 345   | 557 282          | 329 489   | 46 721    | 65 843   | 64 719    | 107 909   | 11 540      | 1 127    |

Source: Tourism Bureau, MOTC





## **FINANCE AND INSURANCE**

Table 82. Key financial indicators

100 Millions NT\$

| End of year | Foreign exchange reserves (100 Million US\$) | Monetary aggregates (M <sub>1B</sub> ) |                         | Monetary aggregates (M <sub>2</sub> ) (1) |                                         | Liquid liabilities      |                              | Reserve money                           |                                               |
|-------------|----------------------------------------------|----------------------------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|------------------------------|-----------------------------------------|-----------------------------------------------|
|             |                                              | Amount                                 | Annual growth rate (%)  | Amount                                    | Annual growth rate (%)                  | Amount                  | Annual growth rate (%)       | Amount                                  | Annual growth rate (2) (%)                    |
| 1990        | 724                                          | 19 256                                 | -6.65                   | 62 019                                    | 10.96                                   | 69 905                  | 12.60                        | 11 564                                  | 2.99                                          |
| 1991        | 824                                          | 21 584                                 | 12.09                   | 74 030                                    | 19.37                                   | 82 874                  | 18.55                        | 12 653                                  | 9.57                                          |
| 1996        | 880                                          | 34 261                                 | 8.31                    | 139 739                                   | 9.13                                    | 156 464                 | 9.71                         | 16 525                                  | 6.67                                          |
| 2001        | 1 222                                        | 50 259                                 | 11.88                   | 197 125                                   | 4.31                                    | 234 565                 | 6.94                         | 14 561                                  | 5.58                                          |
| 2006        | 2 661                                        | 82 226                                 | 4.47                    | 256 682                                   | 5.15                                    | 350 416                 | 7.99                         | 18 832                                  | 7.32                                          |
| 2008        | 2 917                                        | 81 537                                 | -0.81                   | 277 555                                   | 7.23                                    | 388 270                 | 5.38                         | 21 254                                  | 8.16                                          |
| 2009        | 3 482                                        | 105 116                                | 28.92                   | 293 556                                   | 5.76                                    | 416 730                 | 7.33                         | 23 040                                  | 8.31                                          |
| 2010        | 3 820                                        | 114 571                                | 9.00                    | 309 544                                   | 5.45                                    | 445 203                 | 6.83                         | 25 018                                  | 8.57                                          |
| 2011        | 3 855                                        | 118 302                                | 3.26                    | 324 519                                   | 4.84                                    | 469 541                 | 5.47                         | 27 209                                  | 7.49                                          |
| 2012        | 4 032                                        | 124 184                                | 4.97                    | 335 744                                   | 3.46                                    | 496 032                 | 5.64                         | 29 021                                  | 6.66                                          |
| 2013        | 4 168                                        | 134 708                                | 8.47                    | 355 189                                   | 5.79                                    | 530 162                 | 6.88                         | 31 208                                  | 7.53                                          |
| 2014        | 4 190                                        | 143 101                                | 6.23                    | 376 968                                   | 6.13                                    | 568 299                 | 7.19                         | 32 633                                  | 4.57                                          |
| 2015        | 4 260                                        | 152 926                                | 6.87                    | 398 840                                   | 5.80                                    | 607 126                 | 6.83                         | 34 524                                  | 5.79                                          |
| 2016        | 4 342                                        | 161 777                                | 5.79                    | 413 018                                   | 3.55                                    | 638 980                 | 5.25                         | 36 303                                  | 5.15                                          |
| 2017        | 4 515                                        | 167 414                                | 3.48                    | 427 702                                   | 3.56                                    | 672 411                 | 5.23                         | 37 765                                  | 4.03                                          |
| End of year | Monetary financial institutions              |                                        |                         |                                           | Checking accounts of domestic banks (5) |                         | Interest rates (% per annum) |                                         |                                               |
|             | Deposits (3)                                 |                                        | Loans & investments (4) |                                           | Total debits                            | Annual rate of turnover | Discount rate                | 31-90 days CP rates in secondary market | Weighted averages of overnight interest rates |
|             | Amount                                       | Annual growth rate (%)                 | Amount                  | Annual growth rate (%)                    |                                         |                         |                              |                                         |                                               |
| 1990        | 64 715                                       | 10.30                                  | 50 635                  | 14.83                                     | 604 050                                 | 301.5                   | 7.750                        | 9.57                                    | 10.49                                         |
| 1991        | 75 765                                       | 17.07                                  | 61 897                  | 22.24                                     | 588 939                                 | 300.3                   | 6.250                        | 7.58                                    | 6.33                                          |
| 1996        | 142 609                                      | 8.61                                   | 130 518                 | 7.86                                      | 942 225                                 | 438.7                   | 5.000                        | 5.79                                    | 5.44                                          |
| 2001        | 201 362                                      | 4.29                                   | 164 893                 | -0.80                                     | 1 179 413                               | 559.5                   | 2.125                        | 3.69                                    | 3.69                                          |
| 2006        | 258 115                                      | 4.88                                   | 201 539                 | 4.10                                      | 940 383                                 | 323.6                   | 2.750                        | 1.54                                    | 1.55                                          |
| 2008        | 278 702                                      | 6.98                                   | 213 315                 | 3.42                                      | 913 571                                 | 324.6                   | 2.000                        | 1.92                                    | 2.01                                          |
| 2009        | 294 486                                      | 5.66                                   | 214 823                 | 0.71                                      | 715 295                                 | 253.8                   | 1.250                        | 0.24                                    | 0.11                                          |
| 2010        | 310 063                                      | 5.29                                   | 228 037                 | 6.15                                      | 763 483                                 | 239.4                   | 1.625                        | 0.38                                    | 0.19                                          |
| 2011        | 323 022                                      | 4.18                                   | 241 729                 | 6.00                                      | 808 714                                 | 240.0                   | 1.875                        | 0.70                                    | 0.34                                          |
| 2012        | 333 004                                      | 3.09                                   | 255 488                 | 5.69                                      | 813 810                                 | 241.7                   | 1.875                        | 0.79                                    | 0.43                                          |
| 2013        | 350 624                                      | 5.29                                   | 267 206                 | 4.59                                      | 819 204                                 | 235.3                   | 1.875                        | 0.69                                    | 0.39                                          |
| 2014        | 371 339                                      | 5.91                                   | 281 106                 | 5.20                                      | 849 557                                 | 231.4                   | 1.875                        | 0.62                                    | 0.39                                          |
| 2015        | 393 558                                      | 5.98                                   | 294 063                 | 4.61                                      | 818 518                                 | 224.2                   | 1.625                        | 0.58                                    | 0.35                                          |
| 2016        | 407 174                                      | 3.46                                   | 305 492                 | 3.89                                      | 786 187                                 | 215.9                   | 1.375                        | 0.39                                    | 0.19                                          |
| 2017        | 420 940                                      | 3.38                                   | 320 227                 | 4.82                                      | 812 686                                 | 222.7                   | 1.375                        | 0.44                                    | 0.18                                          |

**Note:** (1) M<sub>2</sub> has included the net present value of money market mutual funds since Oct. 2004. (2) The annual growth rates are adjusted for most recent changes in required reserve ratios on Jan. 1, 2011 and in the share of required reserves deposited with the Bank's B account in November 2001. (3) The carrying values of the host contracts of structured products issued by banks are excluded from deposits from 2001. (4) Beginning 2004, loans includes the securities acquired under reverse repurchase agreements. Investment represents portfolio investments in entities excluding financial institutions and measured at original costs. (5) Prior to Jan. 2002, the figures exclude the data of medium business banks.

**Source:** Central Bank

**Table 83. Consolidated assets and liabilities of monetary financial institutions****I . Assets**

Million NT\$

| End of year | Assets(net) =<br>lia.& equity (net)                                       | Foreign<br>assets<br>(1)  | Loans and discounts (2) |                                                                       |                                                  |                            | Portfolio investments<br>in entities excluding<br>financial institutions (3) |
|-------------|---------------------------------------------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------|--------------------------------------------------|----------------------------|------------------------------------------------------------------------------|
|             |                                                                           |                           | Subtotal                | Government<br>agencies                                                | Government<br>enterprises                        | Private<br>sector          | Subtotal                                                                     |
| 1997        | 18 243 191                                                                | 3 471 583                 | 12 510 156              | 1 396 040                                                             | 395 458                                          | 10 718 658                 | 1 841 874                                                                    |
| 2001        | 22 940 262                                                                | 6 003 051                 | 14 036 644              | 2 134 732                                                             | 460 515                                          | 11 441 397                 | 2 452 640                                                                    |
| 2005        | 30 365 629                                                                | 10 613 957                | 17 158 349              | 1 782 204                                                             | 557 852                                          | 14 818 293                 | 2 201 851                                                                    |
| 2006        | 31 927 680                                                                | 11 227 432                | 17 598 943              | 1 611 281                                                             | 525 391                                          | 15 462 271                 | 2 693 911                                                                    |
| 2007        | 32 769 344                                                                | 11 663 216                | 18 021 730              | 1 385 356                                                             | 591 936                                          | 16 044 438                 | 2 694 318                                                                    |
| 2008        | 34 939 362                                                                | 13 250 923                | 18 470 098              | 1 281 184                                                             | 760 190                                          | 16 428 724                 | 2 861 563                                                                    |
| 2009        | 36 710 601                                                                | 14 828 834                | 18 599 228              | 1 510 414                                                             | 733 832                                          | 16 354 982                 | 2 978 043                                                                    |
| 2010        | 37 807 420                                                                | 14 590 580                | 19 852 506              | 1 525 105                                                             | 791 888                                          | 17 535 513                 | 3 045 296                                                                    |
| 2011        | 39 918 536                                                                | 15 372 443                | 20 960 771              | 1 553 540                                                             | 824 558                                          | 18 582 673                 | 3 259 381                                                                    |
| 2012        | 41 496 610                                                                | 15 521 003                | 21 650 271              | 1 612 117                                                             | 693 934                                          | 19 344 220                 | 3 971 878                                                                    |
| 2013        | 44 352 874                                                                | 17 174 208                | 22 404 430              | 1 460 375                                                             | 704 415                                          | 20 239 640                 | 4 405 861                                                                    |
| 2014        | 47 673 680                                                                | 19 048 393                | 23 472 558              | 1 445 684                                                             | 632 234                                          | 21 394 640                 | 4 735 074                                                                    |
| 2015        | 50 317 419                                                                | 20 331 688                | 24 276 983              | 1 376 404                                                             | 610 739                                          | 22 289 840                 | 5 211 569                                                                    |
| 2016        | 51 762 925                                                                | 20 582 106                | 25 122 090              | 1 327 585                                                             | 515 184                                          | 23 279 321                 | 5 505 143                                                                    |
| 2017        | 53 113 157                                                                | 20 347 837                | 26 298 188              | 1 255 487                                                             | 499 143                                          | 24 543 558                 | 5 835 205                                                                    |
| End of year | Portfolio investments in entities<br>excluding financial institutions (3) |                           |                         | Portfolio<br>investments in<br>financial<br>institutions<br>(3)(4)(5) | Claims on life<br>insurance<br>companies<br>etc. | Real estate<br>investments | Cash in vaults                                                               |
|             | Government<br>agencies                                                    | Government<br>enterprises | Private<br>enterprises  |                                                                       |                                                  |                            |                                                                              |
| 1997        | 648 132                                                                   | 45 957                    | 1 147 785               | 169 184                                                               | 30 411                                           | 46 036                     | 173 947                                                                      |
| 2001        | 1 011 687                                                                 | 58 838                    | 1 382 115               | 175 385                                                               | 59 666                                           | 45 623                     | 167 253                                                                      |
| 2005        | 1 182 856                                                                 | 103 828                   | 915 167                 | 192 724                                                               | 5 924                                            | 281                        | 192 543                                                                      |
| 2006        | 1 442 945                                                                 | 123 333                   | 1 127 633               | 204 614                                                               | 1 708                                            | 1                          | 201 071                                                                      |
| 2007        | 1 535 740                                                                 | 126 144                   | 1 032 434               | 180 146                                                               | 10 845                                           | 1                          | 199 088                                                                      |
| 2008        | 1 784 210                                                                 | 239 355                   | 837 998                 | 136 020                                                               | 4                                                | 1                          | 220 753                                                                      |
| 2009        | 1 973 133                                                                 | 184 826                   | 820 084                 | 94 357                                                                | 2                                                | 1                          | 210 136                                                                      |
| 2010        | 2 067 752                                                                 | 187 003                   | 790 541                 | 110 064                                                               | 2                                                | 1                          | 208 971                                                                      |
| 2011        | 2 199 313                                                                 | 219 252                   | 840 816                 | 112 405                                                               | 270                                              | 1                          | 213 265                                                                      |
| 2012        | 2 503 889                                                                 | 370 148                   | 1 097 841               | 119 122                                                               | 19                                               | -                          | 234 317                                                                      |
| 2013        | 2 718 228                                                                 | 401 312                   | 1 286 321               | 142 032                                                               | 2                                                | -                          | 226 341                                                                      |
| 2014        | 2 955 462                                                                 | 420 733                   | 1 358 879               | 171 863                                                               | 2                                                | -                          | 245 790                                                                      |
| 2015        | 3 255 789                                                                 | 461 798                   | 1 493 982               | 244 487                                                               | 13 501                                           | -                          | 239 191                                                                      |
| 2016        | 3 533 556                                                                 | 453 475                   | 1 518 112               | 295 835                                                               | 17                                               | -                          | 257 734                                                                      |
| 2017        | 3 571 638                                                                 | 502 684                   | 1 760 883               | 380 869                                                               | 176                                              | -                          | 250 882                                                                      |

**Note:** All transactions between institutions within the same financial subsector as well as their other assets and other liabilities are netted out in the consolidation process and are shown in other items (net).

(1) Beginning Jan. 2013, the assets in and liabilities to its (own) OBU are netted. (2) Beginning Jan. 2004, includes data for securities acquired under reverse reverse repurchase agreements. (3) Beginning Jan. 2006, portfolio investments are measured at fair values instead of original costs. (4) Beginning Jan. 2010, portfolio investments of securities of financial institutions include structured products issued by banks. (5) Beginning Sep. 2014, includes investments in RMB-denominated bonds issued by Taipei branches of Bank of China and China Construction Bank, respectively.

**Source:** Central Bank

**Table 83. Consolidated assets and liabilities of monetary financial institution (continued)****II. Liabilities & equity**

Millions NT\$

| End of year | Foreign liabilities<br>(1)                                                  | Currency<br>issued            | Deposits & money market mutual funds held by enterprises and individuals |                        |                                               |                                      |                         |                          |
|-------------|-----------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------|------------------------|-----------------------------------------------|--------------------------------------|-------------------------|--------------------------|
|             |                                                                             |                               | Subtotal                                                                 | Checking<br>accounts   | Passbook<br>deposits                          | Passbook<br>savings<br>deposits      | Time deposits<br>(6)(7) | Time savings<br>deposits |
| 1997        | 489 623                                                                     | 684 311                       | 14 321 928                                                               | 308 031                | 892 481                                       | 2 004 376                            | 3 162 938               | 5 148 420                |
| 2001        | 540 096                                                                     | 692 912                       | 18 742 707                                                               | 274 532                | 1 118 498                                     | 3 107 171                            | 2 959 070               | 7 140 862                |
| 2005        | 1 988 874                                                                   | 922 910                       | 22 990 663                                                               | 383 098                | 1 869 647                                     | 4 888 036                            | 2 992 000               | 7 758 841                |
| 2006        | 1 913 993                                                                   | 959 792                       | 24 171 821                                                               | 368 535                | 1 942 742                                     | 5 152 628                            | 3 207 793               | 7 799 752                |
| 2007        | 1 996 647                                                                   | 961 715                       | 24 389 919                                                               | 321 284                | 2 072 730                                     | 5 063 336                            | 3 418 622               | 7 531 709                |
| 2008        | 2 150 809                                                                   | 1 054 290                     | 26 300 624                                                               | 316 928                | 2 071 833                                     | 4 931 406                            | 4 456 484               | 7 968 580                |
| 2009        | 1 731 412                                                                   | 1 122 754                     | 27 974 744                                                               | 337 260                | 2 674 529                                     | 6 587 179                            | 4 123 174               | 7 488 005                |
| 2010        | 1 918 491                                                                   | 1 204 824                     | 29 391 589                                                               | 352 769                | 2 935 099                                     | 7 173 405                            | 4 383 882               | 7 471 306                |
| 2011        | 2 197 026                                                                   | 1 320 609                     | 30 782 080                                                               | 407 865                | 3 013 953                                     | 7 301 054                            | 4 792 661               | 7 929 738                |
| 2012        | 2 325 666                                                                   | 1 437 529                     | 31 945 268                                                               | 410 493                | 3 128 026                                     | 7 676 649                            | 4 733 653               | 8 196 426                |
| 2013        | 2 451 154                                                                   | 1 555 992                     | 33 810 339                                                               | 380 553                | 3 548 807                                     | 8 211 741                            | 4 710 445               | 8 343 732                |
| 2014        | 2 763 728                                                                   | 1 706 694                     | 35 824 894                                                               | 392 702                | 3 715 570                                     | 8 740 910                            | 4 795 683               | 8 549 672                |
| 2015        | 2 273 608                                                                   | 1 804 606                     | 37 935 013                                                               | 386 245                | 4 108 659                                     | 9 232 268                            | 4 928 531               | 8 844 915                |
| 2016        | 2 275 508                                                                   | 1 938 122                     | 39 268 169                                                               | 441 418                | 4 220 235                                     | 9 835 635                            | 4 945 638               | 8 905 975                |
| 2017        | 2 679 435                                                                   | 2 042 185                     | 40 618 922                                                               | 432 011                | 4 301 094                                     | 10 217 015                           | 5 211 288               | 8 805 026                |
| End of year | Deposits & money market mutual funds held by<br>enterprises and individuals |                               |                                                                          | Government<br>deposits | Due to life<br>insurance<br>companies<br>etc. | Bank<br>debentures<br>issued<br>(10) | Equity                  | Others<br>(net)<br>(7)   |
|             | Foreign currency<br>deposits<br>(7)(8)                                      | Postal<br>savings<br>deposits | Money market<br>mutual funds<br>(9)                                      |                        |                                               |                                      |                         |                          |
| 1997        | 569 905                                                                     | 2 235 777                     | -                                                                        | 837 283                | 309 611                                       | 68 890                               | 1 838 474               | - 306 929                |
| 2001        | 1 101 348                                                                   | 3 041 226                     | -                                                                        | 949 375                | 340 047                                       | 202 611                              | 2 489 969               | -1 017 455               |
| 2005        | 1 437 043                                                                   | 3 660 395                     | 1 603                                                                    | 931 901                | 208 628                                       | 811 192                              | 2 775 927               | - 264 466                |
| 2006        | 1 693 697                                                                   | 4 002 250                     | 4 424                                                                    | 901 968                | 236 295                                       | 925 915                              | 3 011 388               | - 193 492                |
| 2007        | 1 939 493                                                                   | 4 039 656                     | 3 089                                                                    | 932 044                | 375 198                                       | 900 327                              | 3 378 156               | - 164 662                |
| 2008        | 2 320 607                                                                   | 4 232 126                     | 2 660                                                                    | 948 229                | 591 042                                       | 878 048                              | 3 386 895               | - 370 575                |
| 2009        | 2 341 112                                                                   | 4 421 531                     | 1 954                                                                    | 1 005 609              | 815 312                                       | 797 961                              | 3 406 762               | - 143 953                |
| 2010        | 2 575 206                                                                   | 4 498 514                     | 1 408                                                                    | 1 047 773              | 910 642                                       | 800 783                              | 3 051 858               | - 518 540                |
| 2011        | 2 678 404                                                                   | 4 656 799                     | 1 606                                                                    | 957 601                | 842 215                                       | 884 870                              | 3 184 415               | - 250 280                |
| 2012        | 2 875 311                                                                   | 4 924 124                     | 586                                                                      | 929 219                | 979 599                                       | 1 013 405                            | 3 400 461               | - 534 537                |
| 2013        | 3 475 115                                                                   | 5 139 278                     | 668                                                                      | 873 225                | 972 089                                       | 1 020 927                            | 3 644 467               | 24 681                   |
| 2014        | 4 160 474                                                                   | 5 469 587                     | 296                                                                      | 897 944                | 769 603                                       | 1 210 475                            | 3 904 578               | 595 764                  |
| 2015        | 4 696 000                                                                   | 5 738 129                     | 266                                                                      | 1 037 247              | 515 403                                       | 1 253 490                            | 4 300 269               | 1 197 783                |
| 2016        | 5 002 156                                                                   | 5 916 847                     | 265                                                                      | 1 095 954              | 630 714                                       | 1 206 586                            | 4 581 407               | 766 465                  |
| 2017        | 5 671 371                                                                   | 5 981 117                     | -                                                                        | 1 115 041              | 828 479                                       | 1 224 554                            | 4 738 892               | - 134 351                |

**Note:** (6) Including NCDs (7) Beginning Jan. 2001, the carrying values of the host contracts of structured products issued by banks are excluded from deposits and relisted under other items. (8) Including foreign currency NCDs (9) The time series begins from Oct. 2004 when money market mutual funds were first issued, and ends in May 2017 after the liquidation procedure of Yuanta Commercial Bank Money Market Common Trust Fund was completed. (10) It includes the NT dollar & foreign currency-denominated bonds issued in Taiwan by domestic banks and local branches of foreign and mainland Chinese banks.

**Table 84. Consolidated assets and liabilities of financial institutions****I . Assets**

Million NT\$

| End of year | Assets(net) =<br>lia.& equity (net)                                       | Foreign assets<br>(1)     | Loans and discounts (2) |                                                                       |                           |                |           |
|-------------|---------------------------------------------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------|---------------------------|----------------|-----------|
|             |                                                                           |                           | Subtotal                | Government<br>agencies                                                | Government<br>enterprises | Private sector | Subtotal  |
| 1997        | 19 862 917                                                                | 3 541 258                 | 13 306 163              | 1 396 040                                                             | 400 458                   | 11 509 665     | 2 385 362 |
| 2001        | 25 629 805                                                                | 6 352 382                 | 15 067 541              | 2 134 732                                                             | 460 515                   | 12 472 294     | 3 534 548 |
| 2005        | 36 024 614                                                                | 12 382 522                | 18 166 221              | 1 782 204                                                             | 557 852                   | 15 826 165     | 4 460 007 |
| 2006        | 38 408 672                                                                | 13 278 845                | 18 692 761              | 1 611 281                                                             | 525 391                   | 16 556 089     | 5 337 022 |
| 2007        | 39 616 314                                                                | 13 927 717                | 19 187 183              | 1 385 356                                                             | 591 936                   | 17 209 891     | 5 420 268 |
| 2008        | 42 197 744                                                                | 15 595 585                | 19 722 367              | 1 281 184                                                             | 760 190                   | 17 680 993     | 5 766 575 |
| 2009        | 44 940 829                                                                | 17 713 238                | 19 788 845              | 1 510 414                                                             | 733 832                   | 17 544 599     | 6 250 565 |
| 2010        | 47 243 764                                                                | 18 064 698                | 21 033 957              | 1 525 105                                                             | 791 888                   | 18 716 964     | 6 707 921 |
| 2011        | 50 439 640                                                                | 19 620 010                | 22 154 442              | 1 553 540                                                             | 824 558                   | 19 776 344     | 7 189 692 |
| 2012        | 53 397 797                                                                | 20 649 802                | 22 894 778              | 1 612 117                                                             | 693 934                   | 20 588 727     | 8 138 888 |
| 2013        | 57 990 506                                                                | 23 374 432                | 23 849 205              | 1 460 375                                                             | 704 415                   | 21 684 415     | 8 906 817 |
| 2014        | 63 441 795                                                                | 26 986 801                | 25 030 744              | 1 445 684                                                             | 632 234                   | 22 952 826     | 9 123 135 |
| 2015        | 67 631 343                                                                | 30 357 903                | 25 820 298              | 1 376 404                                                             | 610 739                   | 23 833 155     | 9 170 413 |
| 2016        | 70 798 905                                                                | 32 658 882                | 26 617 842              | 1 327 585                                                             | 515 184                   | 24 775 073     | 9 193 298 |
| 2017        | 73 881 533                                                                | 33 880 438                | 27 775 040              | 1 255 487                                                             | 499 143                   | 26 020 410     | 9 809 079 |
| End of year | Portfolio investments in entities<br>excluding financial institutions (3) |                           |                         | Portfolio<br>investments in<br>financial<br>institutions<br>(3)(4)(5) | Real estate investments   | Cash in vaults |           |
|             | Government<br>securities                                                  | Government<br>enterprises | Private<br>enterprises  |                                                                       |                           |                |           |
| 1997        | 822 081                                                                   | 67 260                    | 1 496 021               | 262 414                                                               | 192 689                   | 175 031        |           |
| 2001        | 1 572 587                                                                 | 105 020                   | 1 856 941               | 238 447                                                               | 268 112                   | 168 775        |           |
| 2005        | 2 652 754                                                                 | 129 381                   | 1 677 872               | 583 053                                                               | 239 726                   | 193 085        |           |
| 2006        | 3 048 905                                                                 | 173 679                   | 2 114 438               | 635 693                                                               | 262 635                   | 201 716        |           |
| 2007        | 3 164 180                                                                 | 193 497                   | 2 062 591               | 586 050                                                               | 295 320                   | 199 776        |           |
| 2008        | 3 608 765                                                                 | 309 005                   | 1 848 805               | 566 842                                                               | 324 878                   | 221 497        |           |
| 2009        | 3 937 490                                                                 | 293 256                   | 2 019 819               | 584 840                                                               | 392 676                   | 210 665        |           |
| 2010        | 4 238 343                                                                 | 372 374                   | 2 097 204               | 815 133                                                               | 412 612                   | 209 443        |           |
| 2011        | 4 586 950                                                                 | 434 326                   | 2 168 416               | 797 279                                                               | 464 518                   | 213 699        |           |
| 2012        | 4 932 009                                                                 | 605 924                   | 2 600 955               | 927 958                                                               | 551 654                   | 234 717        |           |
| 2013        | 5 162 587                                                                 | 628 585                   | 3 115 645               | 962 690                                                               | 670 679                   | 226 683        |           |
| 2014        | 5 236 257                                                                 | 639 651                   | 3 247 227               | 1 156 179                                                             | 898 776                   | 246 160        |           |
| 2015        | 5 321 722                                                                 | 625 986                   | 3 222 705               | 1 096 541                                                             | 946 659                   | 239 529        |           |
| 2016        | 5 287 777                                                                 | 600 463                   | 3 305 058               | 1 075 169                                                             | 995 658                   | 258 056        |           |
| 2017        | 5 296 289                                                                 | 631 407                   | 3 881 383               | 1 142 038                                                             | 1 023 739                 | 251 199        |           |

**Note:** All transactions between institutions within the same financial subsector as well as their other assets and other liabilities are netted out in the consolidation process and are shown in other items (net). This balance sheet has included the data of money market mutual funds since 2004.

(1) Beginning Jan. 2013, the assets in and liabilities to its (own) OBU are netted. (2) Beginning Jan. 2004, includes data for securities acquired under reverse repurchase agreements. (3) Beginning Jan. 2006, portfolio investments are measured at fair values instead of original costs. (4) Beginning Jan. 2010, portfolio investments of securities of financial institutions include structured products issued by banks. (5) Beginning Sep. 2014, includes investments in RMB-denominated bonds issued by Taipei branches of Bank of China and China Construction Bank, respectively.

**Source:** Central Bank

**Table 84. Consolidated assets and liabilities of financial institutions (continued)**

## II . Liabilities &amp; equity

Million NT\$

| End of year | Foreign liabilities<br>(1)                                               | Currency issued               | Deposits & money market mutual funds held by enterprises and individuals |                   |                           |                             |                       |                                  |
|-------------|--------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------|-------------------|---------------------------|-----------------------------|-----------------------|----------------------------------|
|             |                                                                          |                               | Checking accounts                                                        | Passbook deposits | Passbook savings deposits | Time deposits (6)(7)        | Time savings deposits | Foreign currency deposits (7)(8) |
| 1997        | 489 623                                                                  | 684 311                       | 308 031                                                                  | 892 481           | 2 004 376                 | 3 181 377                   | 5 148 420             | 569 905                          |
| 2001        | 540 096                                                                  | 692 912                       | 274 532                                                                  | 1 118 498         | 3 107 171                 | 2 967 276                   | 7 140 862             | 1 101 348                        |
| 2005        | 1 988 874                                                                | 922 910                       | 383 098                                                                  | 1 869 647         | 4 888 036                 | 2 992 000                   | 7 758 841             | 1 437 043                        |
| 2006        | 1 913 993                                                                | 959 792                       | 368 535                                                                  | 1 942 742         | 5 152 628                 | 3 207 793                   | 7 799 752             | 1 693 697                        |
| 2007        | 1 996 647                                                                | 961 715                       | 321 284                                                                  | 2 072 730         | 5 063 336                 | 3 418 622                   | 7 531 709             | 1 939 493                        |
| 2008        | 2 150 809                                                                | 1 054 290                     | 316 928                                                                  | 2 071 833         | 4 931 406                 | 4 456 484                   | 7 968 580             | 2 320 607                        |
| 2009        | 1 731 412                                                                | 1 122 754                     | 337 260                                                                  | 2 674 529         | 6 587 179                 | 4 123 174                   | 7 488 005             | 2 341 112                        |
| 2010        | 1 918 491                                                                | 1 204 824                     | 352 769                                                                  | 2 935 099         | 7 173 405                 | 4 383 882                   | 7 471 306             | 2 575 206                        |
| 2011        | 2 197 026                                                                | 1 320 609                     | 407 865                                                                  | 3 013 953         | 7 301 054                 | 4 792 661                   | 7 929 738             | 2 678 404                        |
| 2012        | 2 325 666                                                                | 1 437 529                     | 410 493                                                                  | 3 128 026         | 7 676 649                 | 4 733 653                   | 8 196 426             | 2 875 311                        |
| 2013        | 2 451 154                                                                | 1 555 992                     | 380 553                                                                  | 3 548 807         | 8 211 741                 | 4 710 445                   | 8 343 732             | 3 475 115                        |
| 2014        | 2 763 728                                                                | 1 706 694                     | 392 702                                                                  | 3 715 570         | 8 740 910                 | 4 795 683                   | 8 549 672             | 4 160 474                        |
| 2015        | 2 273 608                                                                | 1 804 606                     | 386 245                                                                  | 4 108 659         | 9 232 268                 | 4 928 531                   | 8 844 915             | 4 696 000                        |
| 2016        | 2 275 508                                                                | 1 938 122                     | 441 418                                                                  | 4 220 235         | 9 835 635                 | 4 945 638                   | 8 905 975             | 5 002 156                        |
| 2017        | 2 679 435                                                                | 2 042 185                     | 432 011                                                                  | 4 301 094         | 10 217 015                | 5 211 288                   | 8 805 026             | 5 671 371                        |
| End of year | Deposits & money market mutual funds held by enterprises and individuals |                               | Government deposits                                                      | Trust funds (10)  | Life insurance reserves   | Bank debentures issued (11) | Equity                | Othes (net) (7)                  |
|             | Postal savings deposits                                                  | Money market mutual funds (9) |                                                                          |                   |                           |                             |                       |                                  |
| 1997        | 2 235 777                                                                | -                             | 837 623                                                                  | 356 550           | 1 565 449                 | 68 890                      | 2 109 461             | - 589 357                        |
| 2001        | 3 041 226                                                                | -                             | 949 400                                                                  | 700 131           | 2 919 504                 | 202 611                     | 2 681 307             | -1 807 069                       |
| 2005        | 3 660 395                                                                | 1 603                         | 931 901                                                                  | 1 856 404         | 5 704 484                 | 811 192                     | 3 058 557             | -2 240 371                       |
| 2006        | 4 002 250                                                                | 4 424                         | 901 968                                                                  | 2 496 023         | 6 434 160                 | 925 915                     | 3 515 992             | -2 910 992                       |
| 2007        | 4 039 656                                                                | 3 089                         | 932 044                                                                  | 3 420 323         | 7 140 109                 | 900 327                     | 3 818 543             | -3 943 313                       |
| 2008        | 4 232 126                                                                | 2 660                         | 948 229                                                                  | 2 885 596         | 7 842 007                 | 878 048                     | 3 594 489             | -3 456 348                       |
| 2009        | 4 421 531                                                                | 1 954                         | 1 005 609                                                                | 3 075 211         | 8 973 000                 | 797 961                     | 3 844 889             | -3 584 751                       |
| 2010        | 4 498 514                                                                | 1 408                         | 1 047 773                                                                | 3 105 832         | 10 224 292                | 800 783                     | 3 540 755             | -3 990 575                       |
| 2011        | 4 656 799                                                                | 1 606                         | 957 601                                                                  | 3 076 140         | 11 182 235                | 884 870                     | 3 615 411             | -3 576 332                       |
| 2012        | 4 924 124                                                                | 586                           | 929 219                                                                  | 3 210 316         | 12 547 269                | 1 013 405                   | 3 991 456             | -4 002 331                       |
| 2013        | 5 139 278                                                                | 668                           | 873 225                                                                  | 3 061 921         | 14 129 560                | 1 020 927                   | 4 289 082             | -3 201 694                       |
| 2014        | 5 469 587                                                                | 296                           | 897 944                                                                  | 3 248 329         | 15 557 494                | 1 210 475                   | 4 883 481             | -2 651 244                       |
| 2015        | 5 738 129                                                                | 266                           | 1 037 247                                                                | 3 245 149         | 17 178 532                | 1 253 490                   | 5 319 925             | -2 416 227                       |
| 2016        | 5 916 847                                                                | 265                           | 1 095 954                                                                | 3 224 494         | 18 944 639                | 1 206 586                   | 5 694 567             | -2 849 134                       |
| 2017        | 5 981 117                                                                | -                             | 1 115 041                                                                | 3 286 557         | 20 760 292                | 1 224 554                   | 6 102 883             | -3 948 336                       |

**Note:** (6) Including NCDs (7)Beginning Jan. 2001, the carrying values of the host contracts of structured products issued by banks are excluded from deposits and relisted under other items. (8) Including foreign currency NCDs (9) The time series begins from Oct. 2004 when money market mutual funds were first issued, and ends in May 2017 after the liquidation procedure of Yuanta Commercial Bank Money Market Common Trust Fund was completed. (10) Beginning Jan. 2013, those data in custodial accounts are excluded. (11) It includes the NT dollar & foreign currency-denominated bonds issued in Taiwan by domestic banks and local branches of foreign and mainland Chinese banks.

Table 85. Interest rates and monetary market

%

| Year | Discount rate<br>(End of period) | Base lending rates<br>(End of period)<br>(1) | Weighted averages<br>of overnight interest<br>rates | CP rates<br>(2) | Monetary aggregates<br>(End of period)<br>(100 million NT\$) |                       |
|------|----------------------------------|----------------------------------------------|-----------------------------------------------------|-----------------|--------------------------------------------------------------|-----------------------|
|      |                                  |                                              |                                                     |                 | M <sub>1B</sub>                                              | M <sub>2</sub><br>(3) |
| 2003 | 1.38                             | 3.43                                         | 1.10                                                | 1.05            | 65 528                                                       | 213 583               |
| 2004 | 1.75                             | 3.52                                         | 1.06                                                | 0.99            | 73 680                                                       | 228 931               |
| 2005 | 2.25                             | 3.85                                         | 1.31                                                | 1.27            | 78 711                                                       | 244 101               |
| 2006 | 2.75                             | 4.12                                         | 1.55                                                | 1.54            | 82 226                                                       | 256 682               |
| 2007 | 3.38                             | 4.31                                         | 2.00                                                | 1.90            | 82 200                                                       | 258 831               |
| 2008 | 2.00                             | 4.21                                         | 2.01                                                | 1.92            | 81 537                                                       | 277 555               |
| 2009 | 1.25                             | 2.56                                         | 0.11                                                | 0.24            | 105 116                                                      | 293 556               |
| 2010 | 1.63                             | 2.68                                         | 0.19                                                | 0.38            | 114 571                                                      | 309 544               |
| 2011 | 1.88                             | 2.88                                         | 0.34                                                | 0.70            | 118 302                                                      | 324 519               |
| 2012 | 1.88                             | 2.88                                         | 0.43                                                | 0.79            | 124 184                                                      | 335 744               |
| 2013 | 1.88                             | 2.88                                         | 0.39                                                | 0.69            | 134 708                                                      | 355 189               |
| 2014 | 1.88                             | 2.88                                         | 0.39                                                | 0.62            | 143 101                                                      | 376 968               |
| 2015 | 1.63                             | 2.83                                         | 0.35                                                | 0.58            | 152 926                                                      | 398 840               |
| 2016 | 1.38                             | 2.63                                         | 0.19                                                | 0.39            | 161 777                                                      | 413 018               |
| 2017 | 1.38                             | 2.63                                         | 0.18                                                | 0.44            | 167 414                                                      | 427 702               |

**Note:** (1) Prior to Jan. 2003, the figures represent prime lending rates.

(2) It is 31-90 days CP rates in secondary market.

(3) M<sub>2</sub> has included the net present value of money market mutual funds since Oct. 2004.

**Source:** Central Bank

**Table 86. Securities trading on TWSE market****I . Trading value and volume**

Million NT\$

| Year | Trading days (Days) | Weighted averages of stock index (Annual average) | Total trading value | Stock                                 |                     | Beneficiary Security                 |                     | Warrant                              |                     | TDR                                  |                     | Total trading value of bonds |
|------|---------------------|---------------------------------------------------|---------------------|---------------------------------------|---------------------|--------------------------------------|---------------------|--------------------------------------|---------------------|--------------------------------------|---------------------|------------------------------|
|      |                     |                                                   |                     | Total trading volume (Million shares) | Total trading value | Total trading volume (Million units) | Total trading value | Total trading volume (Million units) | Total trading value | Total trading volume (Million units) | Total trading value |                              |
| 1981 | 292                 | 548.84                                            | 209 621             | 13 198                                | 209 217             | -                                    | -                   | -                                    | -                   | -                                    | -                   | 404                          |
| 1991 | 286                 | 4 928.83                                          | 10 328 388          | 175 941                               | 9 682 738           | -                                    | -                   | -                                    | -                   | -                                    | -                   | 6 367                        |
| 1996 | 288                 | 6 003.72                                          | 13 142 485          | 350 739                               | 12 907 561          | -                                    | -                   | -                                    | -                   | -                                    | -                   | 10 033                       |
| 2001 | 244                 | 4 907.43                                          | 18 421 319          | 606 420                               | 18 354 936          | -                                    | -                   | 7 784                                | 28 440              | 1 005                                | 8 707               | 24 037                       |
| 2006 | 248                 | 6 842.04                                          | 24 205 339          | 732 510                               | 23 900 362          | 2 346                                | 24 982              | 149 122                              | 175 070             | 5 358                                | 29 054              | 98                           |
| 2008 | 249                 | 7 024.06                                          | 26 666 171          | 778 910                               | 26 115 408          | 1 329                                | 13 412              | 300 078                              | 275 816             | 4 266                                | 28 611              | -                            |
| 2009 | 251                 | 6 459.56                                          | 30 118 748          | 1 088 769                             | 29 680 471          | 518                                  | 5 014               | 93 590                               | 106 425             | 9 527                                | 128 489             | -                            |
| 2010 | 251                 | 7 949.63                                          | 28 890 337          | 817 567                               | 28 218 676          | 478                                  | 5 012               | 204 090                              | 204 945             | 17 609                               | 261 906             | -                            |
| 2011 | 247                 | 8 155.79                                          | 26 996 174          | 650 941                               | 26 197 408          | 768                                  | 10 641              | 296 822                              | 284 679             | 11 082                               | 142 184             | -                            |
| 2012 | 250                 | 7 481.34                                          | 20 789 632          | 530 706                               | 20 238 166          | 1 026                                | 15 358              | 246 201                              | 231 314             | 4 600                                | 35 184              | -                            |
| 2013 | 246                 | 8 092.77                                          | 19 603 328          | 543 162                               | 18 940 933          | 679                                  | 11 620              | 349 623                              | 340 013             | 3 850                                | 27 746              | -                            |
| 2014 | 248                 | 8 992.01                                          | 23 043 284          | 566 992                               | 21 898 537          | 602                                  | 9 905               | 658 104                              | 678 846             | 3 357                                | 22 574              | -                            |
| 2015 | 244                 | 8 959.35                                          | 22 505 096          | 511 248                               | 20 191 486          | 718                                  | 12 011              | 620 183                              | 644 962             | 4 274                                | 22 217              | -                            |
| 2016 | 244                 | 8 763.26                                          | 18 915 619          | 438 312                               | 16 771 139          | 496                                  | 7 113               | 436 467                              | 425 542             | 1 024                                | 4 427               | -                            |
| 2017 | 246                 | 10 208.12                                         | 25 798 882          | 593 663                               | 23 972 239          | 306                                  | 4 262               | 561 952                              | 584 465             | 1 292                                | 6 182               | -                            |

Source: Financial Supervisory Commission



**Table 86. Securities trading on TWSE market (continued)****I . Trading value and volume (continued)**

Million NT\$

| Year | ETF                                  |                     | Closed-end Fund                      |                     | Investor analysis by trading value on TWSE market (1) (%) |                           |                      |                     |
|------|--------------------------------------|---------------------|--------------------------------------|---------------------|-----------------------------------------------------------|---------------------------|----------------------|---------------------|
|      | Total trading volume (Million units) | Total trading value | Total trading volume (Million units) | Total trading value | Domestic juridical persons                                | Foreign juridical persons | Domestic individuals | Foreign individuals |
| 1981 | -                                    | -                   | -                                    | -                   | -                                                         | -                         | -                    | -                   |
| 1991 | -                                    | -                   | 41 847                               | 639 283             | 3.03                                                      | 0.05                      | 96.91                | 0.01                |
| 1996 | -                                    | -                   | 24 088                               | 224 890             | 8.62                                                      | 2.12                      | 89.25                | 0.01                |
| 2001 | -                                    | -                   | 764                                  | 5 200               | 9.69                                                      | 5.89                      | 84.41                | 0.01                |
| 2006 | 1 533                                | 75 212              | 63                                   | 561                 | 11.04                                                     | 16.15                     | 70.56                | 2.25                |
| 2008 | 5 905                                | 232 039             | 116                                  | 886                 | 13.97                                                     | 22.11                     | 61.66                | 2.26                |
| 2009 | 5 980                                | 197 837             | 79                                   | 512                 | 11.60                                                     | 16.32                     | 72.05                | 0.03                |
| 2010 | 5 527                                | 199 576             | 29                                   | 222                 | 13.57                                                     | 18.44                     | 67.95                | 0.04                |
| 2011 | 9 269                                | 360 762             | 65                                   | 500                 | 15.45                                                     | 21.78                     | 62.74                | 0.03                |
| 2012 | 9 297                                | 269 236             | 53                                   | 374                 | 15.35                                                     | 22.56                     | 62.03                | 0.06                |
| 2013 | 10 427                               | 282 346             | 81                                   | 670                 | 16.17                                                     | 24.64                     | 59.16                | 0.03                |
| 2014 | 16 745                               | 433 264             | 17                                   | 158                 | 17.42                                                     | 23.76                     | 58.79                | 0.03                |
| 2015 | 66 236                               | 1 634 420           | -                                    | -                   | 18.35                                                     | 28.36                     | 53.27                | 0.02                |
| 2016 | 87 851                               | 1 707 397           | -                                    | -                   | 17.57                                                     | 30.43                     | 51.98                | 0.02                |
| 2017 | 61 829                               | 1 231 734           | -                                    | -                   | 14.69                                                     | 25.89                     | 59.38                | 0.04                |

**II . Securities margin trading on TWSE market**

Million NT\$

| Year | Total trading value (2) (A) | Margin purchasing (B) | Margin liquidation (c) | Short selling (D) | Short covering (E) | Margin purchasing (F)=(B)+(c) | Short selling (G)=(D)+(E) | Securities margin trading (H)=(B)+(C)+(D)+(E) |
|------|-----------------------------|-----------------------|------------------------|-------------------|--------------------|-------------------------------|---------------------------|-----------------------------------------------|
| 1981 | 209 217                     | 36 774                | 32 180                 | 1 892             | 1 769              | 68 954                        | 3 661                     | 72 615                                        |
| 1991 | 9 682 738                   | 2 291 783             | 2 199 898              | 253 293           | 246 494            | 4 491 681                     | 499 787                   | 4 991 468                                     |
| 1996 | 13 134 673                  | 5 673 983             | 5 329 480              | 430 629           | 390 899            | 11 003 463                    | 821 528                   | 11 824 991                                    |
| 2001 | 18 398 344                  | 6 536 956             | 5 857 411              | 1 085 153         | 609 345            | 12 394 367                    | 1 694 498                 | 14 088 865                                    |
| 2006 | 24 195 028                  | 5 734 807             | 5 605 136              | 510 621           | 448 820            | 11 339 942                    | 959 441                   | 12 299 384                                    |
| 2008 | 26 662 224                  | 4 979 649             | 4 907 450              | 569 654           | 534 568            | 9 887 099                     | 1 104 222                 | 10 991 321                                    |
| 2009 | 30 112 083                  | 6 426 858             | 6 261 045              | 621 349           | 572 345            | 12 687 903                    | 1 193 694                 | 13 881 597                                    |
| 2010 | 28 877 100                  | 5 646 511             | 5 503 217              | 536 750           | 497 461            | 11 149 729                    | 1 034 211                 | 12 183 939                                    |
| 2011 | 26 989 135                  | 4 431 382             | 4 408 553              | 659 424           | 606 673            | 8 839 935                     | 1 266 096                 | 10 106 031                                    |
| 2012 | 20 788 027                  | 3 216 681             | 3 290 446              | 540 607           | 547 867            | 6 507 127                     | 1 088 474                 | 7 595 601                                     |
| 2013 | 19 602 858                  | 2 873 796             | 2 897 768              | 393 655           | 392 372            | 5 771 564                     | 786 027                   | 6 557 591                                     |
| 2014 | 23 043 284                  | 3 157 356             | 3 201 057              | 421 543           | 421 841            | 6 358 413                     | 843 383                   | 7 201 796                                     |
| 2015 | 22 505 096                  | 2 581 282             | 2 639 023              | 391 291           | 382 134            | 5 220 306                     | 773 425                   | 5 993 731                                     |
| 2016 | 18 915 619                  | 1 833 737             | 1 844 606              | 310 909           | 305 212            | 3 678 343                     | 616 121                   | 4 294 464                                     |
| 2017 | 25 798 796                  | 2 611 933             | 2 563 188              | 349 153           | 327 154            | 5 175 121                     | 676 307                   | 5 851 428                                     |

**Note:** (1) The amounts in the table consist of both buying and selling, but they do not include auction and bidding.

(2) Total trading value include trade executed by computer only.

Table 87. Foreign exchange rates

NT\$ per foreign currency

| End of year | U.S. dollar<br>(1) |         | Hong Kong dollar |         | Pound sterling |         | Rand   |         | Singapore dollar |         | Australian dollar |         |
|-------------|--------------------|---------|------------------|---------|----------------|---------|--------|---------|------------------|---------|-------------------|---------|
|             | Buying             | Selling | Buying           | Selling | Buying         | Selling | Buying | Selling | Buying           | Selling | Buying            | Selling |
| 1981        | 37.79              | 37.89   | 6.63             | 6.67    | 72.18          | 72.54   | 39.37  | 39.57   | 18.44            | 18.53   | 42.57             | 42.79   |
| 1991        | 25.70              | 25.80   | 3.28             | 3.34    | 47.84          | 48.46   | 9.29   | 9.47    | 15.70            | 15.93   | 19.43             | 19.69   |
| 1996        | 27.44              | 27.54   | 3.52             | 3.58    | 46.34          | 46.74   | 5.82   | 6.00    | 19.56            | 19.76   | 21.82             | 22.02   |
| 2001        | 34.94              | 35.04   | 4.46             | 4.52    | 50.57          | 50.97   | 2.79   | 2.99    | 18.81            | 19.01   | 17.80             | 18.00   |
| 2006        | 32.55              | 32.65   | 4.16             | 4.22    | 63.84          | 64.24   | -      | -       | 21.16            | 21.36   | 25.70             | 25.90   |
| 2008        | 32.81              | 32.91   | 4.20             | 4.26    | 47.32          | 47.72   | -      | -       | 22.76            | 22.96   | 22.63             | 22.83   |
| 2009        | 31.98              | 32.08   | 4.10             | 4.16    | 51.39          | 51.79   | 4.30   | 4.40    | 22.73            | 22.93   | 28.68             | 28.88   |
| 2010        | 30.32              | 30.42   | 3.88             | 3.94    | 46.86          | 47.26   | 4.53   | 4.63    | 23.57            | 23.77   | 30.83             | 31.03   |
| 2011        | 30.22              | 30.32   | 3.87             | 3.93    | 46.52          | 46.92   | 3.67   | 3.77    | 23.21            | 23.41   | 30.63             | 30.83   |
| 2012        | 28.98              | 29.08   | 3.72             | 3.78    | 46.60          | 47.00   | 3.37   | 3.47    | 23.64            | 23.84   | 30.06             | 30.26   |
| 2013        | 29.72              | 29.82   | 3.81             | 3.87    | 49.01          | 49.41   | 2.80   | 2.90    | 23.45            | 23.65   | 26.46             | 26.66   |
| 2014        | 31.58              | 31.68   | 4.05             | 4.11    | 49.02          | 49.42   | 2.68   | 2.78    | 23.82            | 24.02   | 25.79             | 25.99   |
| 2015        | 32.78              | 32.88   | 4.21             | 4.27    | 48.50          | 48.90   | 2.06   | 2.16    | 23.15            | 23.35   | 23.89             | 24.09   |
| 2016        | 32.20              | 32.30   | 4.13             | 4.19    | 39.38          | 39.78   | 2.32   | 2.42    | 22.19            | 22.39   | 23.19             | 23.39   |
| 2017        | 29.75              | 29.85   | 3.82             | 3.88    | 40.44          | 40.84   | 2.14   | 2.24    | 22.18            | 22.38   | 22.62             | 22.82   |

  

| End of year | Swiss franc |         | Thai baht |         | Canadian dollar |         | Euro   |         | Renminbi<br>(2) |         | Yen    |         |
|-------------|-------------|---------|-----------|---------|-----------------|---------|--------|---------|-----------------|---------|--------|---------|
|             | Buying      | Selling | Buying    | Selling | Buying          | Selling | Buying | Selling | Buying          | Selling | Buying | Selling |
| 1981        | 20.99       | 21.10   | -         | -       | 31.89           | 32.05   | -      | -       | ...             | ...     | 0.1696 | 0.1746  |
| 1991        | 18.89       | 19.14   | -         | -       | 22.15           | 22.34   | -      | -       | -               | -       | 0.2037 | 0.2082  |
| 1996        | 20.30       | 20.50   | -         | -       | 19.99           | 20.19   | -      | -       | -               | -       | 0.2352 | 0.2392  |
| 2001        | 20.81       | 21.01   | 0.7847    | 0.8047  | 21.91           | 22.11   | 30.78  | 31.18   | -               | -       | 0.2646 | 0.2688  |
| 2006        | 26.59       | 26.79   | 0.8935    | 0.9335  | 27.98           | 28.18   | 42.73  | 43.13   | -               | -       | 0.2720 | 0.2760  |
| 2008        | 30.98       | 31.18   | 0.9300    | 0.9600  | 26.91           | 27.11   | 46.07  | 46.47   | -               | -       | 0.3616 | 0.3656  |
| 2009        | 30.92       | 31.12   | 0.9446    | 0.9896  | 30.35           | 30.55   | 45.89  | 46.29   | -               | -       | 0.3451 | 0.3491  |
| 2010        | 32.31       | 32.51   | 0.9965    | 1.0415  | 30.30           | 30.50   | 40.37  | 40.77   | -               | -       | 0.3713 | 0.3753  |
| 2011        | 32.06       | 32.32   | 0.9442    | 0.9842  | 29.56           | 29.76   | 38.97  | 39.37   | -               | -       | 0.3885 | 0.3925  |
| 2012        | 31.70       | 31.96   | 0.9323    | 0.9723  | 29.09           | 29.29   | 38.28  | 38.68   | -               | -       | 0.3343 | 0.3383  |
| 2013        | 33.32       | 33.58   | 0.8915    | 0.9315  | 27.87           | 28.07   | 40.83  | 41.23   | 4.89            | 4.94    | 0.2815 | 0.2855  |
| 2014        | 31.83       | 32.09   | 0.9454    | 0.9854  | 27.14           | 27.34   | 38.24  | 38.64   | 5.08            | 5.12    | 0.2623 | 0.2663  |
| 2015        | 33.07       | 33.33   | 0.8939    | 0.9339  | 23.55           | 23.75   | 35.68  | 36.08   | 4.97            | 5.02    | 0.2707 | 0.2747  |
| 2016        | 31.41       | 31.67   | 0.8838    | 0.9238  | 23.81           | 24.01   | 33.69  | 34.09   | 4.59            | 4.64    | 0.2735 | 0.2775  |
| 2017        | 30.39       | 30.65   | 0.9037    | 0.9437  | 23.24           | 23.44   | 35.60  | 36.00   | 4.52            | 4.57    | 0.2645 | 0.2685  |

**Note:** The rates in the table are spot exchange rates.

(1) Spot exchange rates of the N.T. dollar against the U.S. dollar are bank-customer rates, and beginning Dec. 1991, figures are quoted by First Commercial Bank. (2) In view of the development where authorized foreign exchange banks has commenced renminbi business since Feb. 2013. So, data in the table would, beginning Oct. 2013, include the spot exchange rates of renminbi.

**Source:** Central Bank

Table 88. Balance of payments

Million US\$

| Year | Current account (1)   |                   |                      |                           |                             | Capital account (1)   |                              |                                | Balance on current and capital account (C)=(A)+(B) |
|------|-----------------------|-------------------|----------------------|---------------------------|-----------------------------|-----------------------|------------------------------|--------------------------------|----------------------------------------------------|
|      | (A)                   | Balance on goods  | Balance on services  | Balance on primary income | Balance on secondary income | (B)                   | credit                       | debit                          |                                                    |
| 2003 | 28 250                | 34 103            | 21 521               | 30 969                    | - 2 719                     | - 18                  | 1                            | 19                             | 28 232                                             |
| 2004 | 17 249                | 24 874            | 10 090               | 21 074                    | - 3 825                     | - 2                   | 6                            | 8                              | 17 247                                             |
| 2005 | 14 926                | 24 509            | 10 189               | 19 190                    | - 4 264                     | - 46                  | 1                            | 47                             | 14 880                                             |
| 2006 | 23 137                | 31 430            | 17 491               | 27 072                    | - 3 935                     | - 63                  | 4                            | 67                             | 23 074                                             |
| 2007 | 32 013                | 38 451            | 25 664               | 35 796                    | - 3 783                     | - 25                  | 3                            | 28                             | 31 988                                             |
| 2008 | 24 801                | 29 151            | 17 621               | 27 599                    | - 2 798                     | - 270                 | 3                            | 273                            | 24 531                                             |
| 2009 | 40 650                | 39 371            | 30 271               | 42 795                    | - 2 145                     | - 50                  | 2                            | 52                             | 40 600                                             |
| 2010 | 36 832                | 37 014            | 25 966               | 39 542                    | - 2 710                     | - 49                  | 5                            | 54                             | 36 783                                             |
| 2011 | 37 878                | 39 642            | 28 390               | 41 569                    | - 3 691                     | - 36                  | 3                            | 39                             | 37 842                                             |
| 2012 | 43 168                | 49 571            | 31 190               | 45 783                    | - 2 615                     | - 24                  | 4                            | 28                             | 43 144                                             |
| 2013 | 49 872                | 54 557            | 39 355               | 52 875                    | - 3 003                     | 67                    | 103                          | 36                             | 49 939                                             |
| 2014 | 60 438                | 60 190            | 48 774               | 63 231                    | - 2 793                     | - 8                   | 29                           | 37                             | 60 430                                             |
| 2015 | 74 883                | 73 095            | 62 412               | 78 266                    | - 3 383                     | - 5                   | 15                           | 20                             | 74 878                                             |
| 2016 | 72 781                | 70 639            | 60 300               | 75 945                    | - 3 164                     | - 9                   | 17                           | 26                             | 72 772                                             |
| 2017 | 82 860                | 80 857            | 72 211               | 86 969                    | - 4 109                     | - 12                  | 14                           | 26                             | 82 848                                             |
| Year | Financial account (1) |                   |                      |                           |                             | Total (E)=(A)+(B)-(D) | Net errors and omissions (F) | Reserves and related items (G) |                                                    |
|      | (D)                   | Direct investment | Portfolio investment | Financial derivatives     | Other investment            |                       |                              |                                |                                                    |
| 2003 | - 7 735               | 5 229             | 5 197                | 108                       | - 18 269                    | 35 967                | 1 125                        | 37 092                         |                                                    |
| 2004 | - 7 317               | 5 247             | 4 669                | 695                       | - 17 928                    | 24 564                | 2 032                        | 26 596                         |                                                    |
| 2005 | - 2 340               | 4 403             | 2 857                | 965                       | - 10 565                    | 17 220                | 2 836                        | 20 056                         |                                                    |
| 2006 | 19 601                | - 25              | 18 965               | 965                       | - 304                       | 3 473                 | 2 613                        | 6 086                          |                                                    |
| 2007 | 38 932                | 3 338             | 40 062               | 289                       | - 4 757                     | - 6 944               | 2 924                        | - 4 020                        |                                                    |
| 2008 | 1 641                 | 4 855             | 12 250               | - 1 589                   | - 13 875                    | 22 890                | 3 384                        | 26 274                         |                                                    |
| 2009 | - 13 488              | 3 072             | 10 327               | - 852                     | - 26 035                    | 54 088                | 38                           | 54 126                         |                                                    |
| 2010 | 339                   | 9 082             | 20 664               | - 577                     | - 28 830                    | 36 444                | 3 729                        | 40 173                         |                                                    |
| 2011 | 32 027                | 14 723            | 35 691               | - 1 038                   | - 17 349                    | 5 815                 | 424                          | 6 239                          |                                                    |
| 2012 | 31 501                | 9 930             | 42 496               | - 391                     | - 20 534                    | 11 643                | 3 841                        | 15 484                         |                                                    |
| 2013 | 41 089                | 10 687            | 29 129               | - 838                     | 2 111                       | 8 850                 | 2 468                        | 11 318                         |                                                    |
| 2014 | 50 461                | 9 883             | 44 041               | - 546                     | - 2 917                     | 9 969                 | 3 046                        | 13 015                         |                                                    |
| 2015 | 65 965                | 12 318            | 57 198               | 1 184                     | - 4 735                     | 8 913                 | 6 098                        | 15 011                         |                                                    |
| 2016 | 55 814                | 8 685             | 78 820               | - 2 244                   | - 29 447                    | 16 958                | - 6 295                      | 10 663                         |                                                    |
| 2017 | 65 636                | 8 263             | 77 964               | - 4 983                   | - 15 608                    | 17 212                | - 4 745                      | 12 467                         |                                                    |

**Note:** (1) It excludes components that have been classified in the categories of reserves and related items.**Source:** Central Bank

**Table 89. Number of financial institutions**

Numbers

| End of year | Total | Domestic banks<br>(1) | Foreign banks<br>(2) | Credit co-<br>operative<br>associations | Credit<br>departments of<br>farmers'<br>associations | Credit<br>departments of<br>fishermen's<br>associations | Bills finance<br>companies |
|-------------|-------|-----------------------|----------------------|-----------------------------------------|------------------------------------------------------|---------------------------------------------------------|----------------------------|
| 2008        | 5 475 | 3 426                 | 168                  | 298                                     | 1 077                                                | 67                                                      | 43                         |
| 2009        | 5 461 | 3 445                 | 160                  | 284                                     | 1 086                                                | 67                                                      | 42                         |
| 2010        | 5 474 | 3 504                 | 117                  | 287                                     | 1 086                                                | 67                                                      | 39                         |
| 2011        | 5 508 | 3 538                 | 117                  | 280                                     | 1 092                                                | 68                                                      | 38                         |
| 2012        | 5 534 | 3 604                 | 76                   | 279                                     | 1 094                                                | 68                                                      | 38                         |
| 2013        | 5 551 | 3 632                 | 64                   | 281                                     | 1 100                                                | 69                                                      | 38                         |
| 2014        | 5 564 | 3 659                 | 63                   | 269                                     | 1 101                                                | 69                                                      | 38                         |
| 2015        | 5 577 | 3 654                 | 64                   | 276                                     | 1 104                                                | 70                                                      | 38                         |
| 2016        | 5 593 | 3 651                 | 62                   | 283                                     | 1 105                                                | 71                                                      | 38                         |
| 2017        | 5 594 | 3 646                 | 61                   | 290                                     | 1 104                                                | 72                                                      | 38                         |

**Note:** Data in the table do not include Central Bank, Central Deposit Insurance Corporation and credit card companies.

(1) Including the Department of Savings &amp; Remittances, Chunghwa Post Co.

(2) Including local branches of Mainland Chinese Banks

**Source:** Central Bank

**Table 89. Number of financial institutions (continued)**

| End of year | Numbers                            |                                                |                                                                |                                      |                                        |                                                               |                                     |                                   |
|-------------|------------------------------------|------------------------------------------------|----------------------------------------------------------------|--------------------------------------|----------------------------------------|---------------------------------------------------------------|-------------------------------------|-----------------------------------|
|             | Securities<br>finance<br>companies | Domestic life<br>insurance<br>companies<br>(3) | Domestic<br>property and<br>casualty<br>insurance<br>companies | Domestic<br>reinsurance<br>companies | Foreign life<br>insurance<br>companies | Foreign<br>property and<br>casualty<br>insurance<br>companies | Foreign<br>reinsurance<br>companies | Financial<br>holding<br>companies |
| 2008        | 8                                  | 162                                            | 192                                                            | -                                    | 7                                      | 8                                                             | 4                                   | 15                                |
| 2009        | 8                                  | 151                                            | 185                                                            | -                                    | 8                                      | 6                                                             | 4                                   | 15                                |
| 2010        | 6                                  | 152                                            | 185                                                            | -                                    | 7                                      | 6                                                             | 3                                   | 15                                |
| 2011        | 6                                  | 153                                            | 185                                                            | 1                                    | 6                                      | 6                                                             | 2                                   | 16                                |
| 2012        | 6                                  | 153                                            | 185                                                            | 1                                    | 6                                      | 6                                                             | 2                                   | 16                                |
| 2013        | 6                                  | 146                                            | 185                                                            | 1                                    | 5                                      | 6                                                             | 2                                   | 16                                |
| 2014        | 6                                  | 146                                            | 185                                                            | 1                                    | 4                                      | 5                                                             | 2                                   | 16                                |
| 2015        | 6                                  | 151                                            | 186                                                            | 1                                    | 4                                      | 5                                                             | 2                                   | 16                                |
| 2016        | 6                                  | 157                                            | 189                                                            | 2                                    | 5                                      | 6                                                             | 2                                   | 16                                |
| 2017        | 6                                  | 156                                            | 190                                                            | 2                                    | 5                                      | 6                                                             | 2                                   | 16                                |

**Note:** (3) Including Life Insurance Department of Chunghwa Post Co.



**REVENUES AND EXPENDITURES OF GOVERNMENT**

Table 90. Net government revenues of all levels

Million NT\$

| Fiscal Year | Total                                       | Revenues from taxes                     | Revenues from monopolies                                           | Revenues from fines & indemnities | Revenues from fees |
|-------------|---------------------------------------------|-----------------------------------------|--------------------------------------------------------------------|-----------------------------------|--------------------|
| 1976        | 156 124                                     | 106 983                                 | 14 784                                                             | 2 258                             | 5 368              |
| 1981        | 411 712                                     | 281 087                                 | 33 963                                                             | 6 239                             | 11 998             |
| 1991        | 1 049 931                                   | 748 508                                 | 60 113                                                             | 13 815                            | 23 846             |
| 2001        | 1 896 841                                   | 1 200 278                               | 57 563                                                             | 41 996                            | 76 932             |
| 2006        | 2 177 018                                   | 1 556 652                               | -                                                                  | 42 488                            | 91 135             |
| 2008        | 2 231 614                                   | 1 710 617                               | -                                                                  | 46 690                            | 94 302             |
| 2009        | 2 113 644                                   | 1 483 518                               | -                                                                  | 41 402                            | 92 008             |
| 2010        | 2 115 554                                   | 1 565 847                               | -                                                                  | 43 021                            | 96 458             |
| 2011        | 2 306 173                                   | 1 703 989                               | -                                                                  | 41 675                            | 96 251             |
| 2012        | 2 321 205                                   | 1 733 350                               | -                                                                  | 66 652                            | 96 018             |
| 2013        | 2 457 632                                   | 1 768 817                               | -                                                                  | 43 931                            | 215 028            |
| 2014        | 2 508 815                                   | 1 917 609                               | -                                                                  | 43 293                            | 99 805             |
| 2015        | 2 662 328                                   | 2 076 623                               | -                                                                  | 48 856                            | 128 161            |
| 2016        | 2 690 918                                   | 2 165 967                               | -                                                                  | 45 763                            | 96 613             |
| 2017        | 2 753 318                                   | 2 187 690                               | -                                                                  | 53 741                            | 126 489            |
| Fiscal Year | Revenues from surplus of public enterprises | Interest earnings, sales waste material | Sales properties, assessing value of properties & recalled capital | Revenues from donations & gifts   | Others             |
| 1976        | 16 570                                      | 886                                     | 4 061                                                              | 241                               | 4 973              |
| 1981        | 41 107                                      | 1 693                                   | 20 831                                                             | 1 213                             | 13 582             |
| 1991        | 94 835                                      | 5 949                                   | 52 395                                                             | 620                               | 49 851             |
| 2001        | 346 581                                     | 20 319                                  | 87 762                                                             | 3 748                             | 61 662             |
| 2006        | 325 939                                     | 14 414                                  | 82 994                                                             | 6 947                             | 56 449             |
| 2008        | 264 918                                     | 14 249                                  | 50 425                                                             | 8 862                             | 41 550             |
| 2009        | 330 928                                     | 14 110                                  | 72 232                                                             | 8 657                             | 70 789             |
| 2010        | 286 479                                     | 16 085                                  | 53 532                                                             | 12 204                            | 41 928             |
| 2011        | 293 954                                     | 14 220                                  | 67 268                                                             | 9 333                             | 79 484             |
| 2012        | 298 007                                     | 16 388                                  | 62 102                                                             | 11 982                            | 36 707             |
| 2013        | 275 040                                     | 20 821                                  | 87 241                                                             | 11 945                            | 34 809             |
| 2014        | 271 916                                     | 33 372                                  | 92 611                                                             | 11 602                            | 38 607             |
| 2015        | 262 085                                     | 28 279                                  | 69 922                                                             | 10 113                            | 38 290             |
| 2016        | 254 953                                     | 19 197                                  | 48 382                                                             | 9 592                             | 50 450             |
| 2017        | 271 422                                     | 20 286                                  | 35 081                                                             | 9 194                             | 49 415             |

**Note:** 1. Before 2003, the figures are final audit accounts; 2003 to 2016, the figures are final accounts.

2. Net Revenues exclude the bond issuance and borrowing and appropriation from previous year's surplus.

**Source:** 1. Ministry of Finance

2. National Audit Office



**Table 91. Net government expenditures of all levels**

Million NT\$

| Fiscal Year | Total                              | Expenditures for<br>general administration                                    | Expenditures for<br>national defense             | Expenditures for<br>education, science &<br>culture | Expenditures for<br>economic development |
|-------------|------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|------------------------------------------|
| 1976        | 146 594                            | 17 859                                                                        | 37 013                                           | 23 783                                              | 47 603                                   |
| 1981        | 425 731                            | 42 219                                                                        | 104 623                                          | 75 409                                              | 145 365                                  |
| 1991        | 1 275 613                          | 153 278                                                                       | 227 099                                          | 288 077                                             | 322 087                                  |
| 2001        | 2 271 755                          | 328 736                                                                       | 247 597                                          | 430 078                                             | 398 792                                  |
| 2006        | 2 214 226                          | 345 237                                                                       | 234 699                                          | 484 827                                             | 341 944                                  |
| 2008        | 2 343 585                          | 350 500                                                                       | 262 150                                          | 495 515                                             | 432 335                                  |
| 2009        | 2 670 898                          | 357 412                                                                       | 297 746                                          | 581 535                                             | 601 896                                  |
| 2010        | 2 566 804                          | 368 420                                                                       | 286 929                                          | 554 254                                             | 517 039                                  |
| 2011        | 2 612 947                          | 376 015                                                                       | 288 889                                          | 588 555                                             | 473 801                                  |
| 2012        | 2 677 984                          | 388 759                                                                       | 303 903                                          | 595 622                                             | 403 945                                  |
| 2013        | 2 665 241                          | 381 641                                                                       | 292 646                                          | 599 058                                             | 393 669                                  |
| 2014        | 2 645 712                          | 380 634                                                                       | 291 418                                          | 618 139                                             | 399 261                                  |
| 2015        | 2 645 189                          | 382 543                                                                       | 304 636                                          | 634 781                                             | 352 780                                  |
| 2016        | 2 745 305                          | 385 293                                                                       | 314 847                                          | 664 723                                             | 394 635                                  |
| 2017        | 2 770 074                          | 380 189                                                                       | 304 632                                          | 690 852                                             | 387 001                                  |
| Fiscal Year | Expenditures for<br>social welfare | Expenditures for<br>community<br>development<br>& environmental<br>protection | Expenditures for<br>retirement and<br>condolence | Expenditures for<br>obligations<br>(1)              | Others                                   |
| 1976        |                                    | 16 940                                                                        |                                                  | 763                                                 | 2 632                                    |
| 1981        | 16 549                             | 9 109                                                                         | 25 637                                           | 1 756                                               | 5 064                                    |
| 1991        | 117 772                            | 33 089                                                                        | 88 320                                           | 33 398                                              | 12 492                                   |
| 2001        | 396 981                            | 109 597                                                                       | 175 722                                          | 171 565                                             | 12 687                                   |
| 2006        | 370 303                            | 88 849                                                                        | 196 963                                          | 138 331                                             | 13 072                                   |
| 2008        | 368 136                            | 82 157                                                                        | 202 228                                          | 134 697                                             | 15 867                                   |
| 2009        | 388 562                            | 91 639                                                                        | 205 291                                          | 129 484                                             | 17 333                                   |
| 2010        | 415 356                            | 89 388                                                                        | 201 002                                          | 119 615                                             | 14 801                                   |
| 2011        | 446 922                            | 88 872                                                                        | 213 039                                          | 121 120                                             | 15 735                                   |
| 2012        | 540 440                            | 85 380                                                                        | 218 355                                          | 124 937                                             | 16 643                                   |
| 2013        | 536 912                            | 104 932                                                                       | 209 680                                          | 128 453                                             | 18 250                                   |
| 2014        | 517 143                            | 84 293                                                                        | 213 708                                          | 125 171                                             | 15 945                                   |
| 2015        | 532 096                            | 82 498                                                                        | 218 504                                          | 120 640                                             | 16 712                                   |
| 2016        | 548 538                            | 91 967                                                                        | 208 057                                          | 121 036                                             | 16 209                                   |
| 2017        | 563 430                            | 123 038                                                                       | 198 046                                          | 107 339                                             | 15 548                                   |

**Note:** 1. Before 2003, the figures are final audit accounts; 2003 to 2016, the figures are final accounts.

2. Net Expenditures exclude the debt repayment.

(1) Principal repayment are excluded.

**Source:** 1. Ministry of Finance

2. National Audit Office

Table 92. Total net tax revenues

Million NT\$

| Fiscal Year | Total     | Customs duties | Income tax | Estate and gift tax | Commodity tax | Securities transaction tax | Futures transaction tax | Tobacco and alcohol tax | Business tax | Financial enterprises business tax |
|-------------|-----------|----------------|------------|---------------------|---------------|----------------------------|-------------------------|-------------------------|--------------|------------------------------------|
| 2003        | 1 252 766 | 82 783         | 411 087    | 30 106              | 146 012       | 69 283                     | 4 806                   | 49 773                  | 219 954      | 22 433                             |
| 2004        | 1 387 300 | 78 885         | 455 914    | 29 048              | 159 644       | 84 148                     | 8 272                   | 48 336                  | 257 689      | 24 230                             |
| 2005        | 1 567 396 | 82 374         | 625 807    | 30 451              | 168 411       | 68 204                     | 6 342                   | 50 443                  | 263 243      | 25 712                             |
| 2006        | 1 600 804 | 79 567         | 646 218    | 28 694              | 159 201       | 89 954                     | 4 072                   | 51 042                  | 263 575      | 26 644                             |
| 2007        | 1 733 895 | 81 859         | 730 160    | 28 481              | 149 037       | 128 895                    | 5 758                   | 50 415                  | 274 268      | 28 131                             |
| 2008        | 1 760 438 | 80 426         | 834 988    | 28 978              | 126 660       | 90 630                     | 6 692                   | 49 506                  | 273 667      | 29 706                             |
| 2009        | 1 530 282 | 68 827         | 640 967    | 22 327              | 127 879       | 105 956                    | 3 750                   | 45 349                  | 245 356      | 21 853                             |
| 2010        | 1 622 244 | 89 484         | 590 387    | 40 330              | 150 777       | 104 574                    | 4 556                   | 44 516                  | 289 816      | 21 602                             |
| 2011        | 1 764 611 | 96 323         | 710 191    | 23 659              | 164 877       | 93 990                     | 5 860                   | 44 660                  | 307 691      | 23 806                             |
| 2012        | 1 796 697 | 94 918         | 760 810    | 28 280              | 160 897       | 71 940                     | 4 298                   | 44 939                  | 306 537      | 24 720                             |
| 2013        | 1 834 124 | 97 009         | 743 290    | 23 728              | 162 504       | 71 383                     | 2 669                   | 44 769                  | 327 971      | 24 932                             |
| 2014        | 1 976 107 | 107 142        | 813 484    | 25 444              | 172 897       | 88 711                     | 2 862                   | 43 810                  | 360 698      | 25 609                             |
| 2015        | 2 134 857 | 110 978        | 936 731    | 32 736              | 183 131       | 82 033                     | 3 783                   | 44 160                  | 360 899      | 25 137                             |
| 2016        | 2 224 075 | 114 971        | 1 006 360  | 47 515              | 181 907       | 70 855                     | 3 706                   | 45 627                  | 378 354      | 23 746                             |
| 2017        | 2 251 246 | 114 957        | 986 412    | 51 085              | 178 467       | 89 967                     | 4 190                   | 50 235                  | 384 978      | 23 124                             |

Source: Ministry of Finance

**Table 92. Total net tax revenues (continued)**

Million NT\$

| Fiscal Year | Specifically<br>selected<br>goods and<br>services<br>tax | Land<br>tax | House<br>tax | Vehicle<br>license<br>tax | Deed<br>tax | Stamp<br>tax | Amusement<br>tax | Special<br>and<br>provisional<br>tax levies<br>(1) | Education<br>surtax | Health and<br>welfare<br>surcharge<br>on tobacco |
|-------------|----------------------------------------------------------|-------------|--------------|---------------------------|-------------|--------------|------------------|----------------------------------------------------|---------------------|--------------------------------------------------|
| 2003        | -                                                        | 111 803     | 48 013       | 47 765                    | 11 600      | 7 786        | 1 751            | -                                                  | 18                  | 10 217                                           |
| 2004        | -                                                        | 133 893     | 49 323       | 49 904                    | 12 937      | 7 771        | 1 862            | -                                                  | 9                   | 9 661                                            |
| 2005        | -                                                        | 135 370     | 50 877       | 51 863                    | 13 178      | 8 458        | 1 979            | -                                                  | 10                  | 10 387                                           |
| 2006        | -                                                        | 131 208     | 52 494       | 52 548                    | 14 014      | 8 714        | 1 986            | -                                                  | 8                   | 17 508                                           |
| 2007        | -                                                        | 133 691     | 53 883       | 53 271                    | 13 637      | 8 837        | 1 809            | -                                                  | 5                   | 19 888                                           |
| 2008        | -                                                        | 116 082     | 55 343       | 53 255                    | 12 696      | 9 650        | 1 745            | -                                                  | 5                   | 20 115                                           |
| 2009        | -                                                        | 112 367     | 56 347       | 53 050                    | 13 066      | 8 464        | 1 666            | -                                                  | 0                   | 24 911                                           |
| 2010        | -                                                        | 136 357     | 58 203       | 54 052                    | 13 815      | 8 945        | 1 646            | -                                                  | - 9                 | 34 795                                           |
| 2011        | 2 206                                                    | 141 982     | 59 467       | 55 380                    | 12 640      | 9 397        | 1 676            | -                                                  | 1                   | 34 609                                           |
| 2012        | 4 275                                                    | 143 849     | 61 796       | 56 534                    | 11 693      | 10 009       | 1 566            | -                                                  | 2                   | 34 352                                           |
| 2013        | 5 318                                                    | 174 081     | 63 013       | 57 759                    | 13 560      | 10 377       | 1 634            | -                                                  | 1                   | 35 057                                           |
| 2014        | 5 401                                                    | 173 175     | 64 673       | 59 326                    | 12 535      | 10 644       | 1 624            | 793                                                | 0                   | 32 889                                           |
| 2015        | 4 192                                                    | 184 598     | 69 422       | 61 679                    | 13 827      | 11 285       | 1 633            | 667                                                | 7                   | 33 097                                           |
| 2016        | 2 826                                                    | 177 274     | 72 963       | 63 016                    | 11 376      | 10 644       | 1 525            | 795                                                | - 1                 | 34 363                                           |
| 2017        | 2 317                                                    | 188 638     | 76 724       | 64 077                    | 12 789      | 11 100       | 1 596            | 1 535                                              | 0                   | 32 178                                           |

**Note:** (1) Including the special tax levies and the provisional tax levies which are imposed on the disposal of construction surplus, mining and quarrying



## **ADMINISTRATION**

**Table 93. Legislator election summary**

Persons, Years

| Term         | Population | Eligible voters | Election Date | Candidates |        | Electees |        | Electee's average age | Electee's education degree above college | Turnouts   | Turnout ratio (%) |
|--------------|------------|-----------------|---------------|------------|--------|----------|--------|-----------------------|------------------------------------------|------------|-------------------|
|              |            |                 |               |            | Female |          | Female |                       |                                          |            |                   |
| The 1st term | ...        | ...             | 1948.01       | ...        | ...    | 760      | ...    | ...                   | ...                                      | ...        | ...               |
| The 2nd term | 20 685 341 | 13 421 170      | 1992.12.19    | 403        | ...    | 161      | ...    | 46                    | 144                                      | 9 666 021  | 72.02             |
| The 3rd term | 21 258 039 | 14 153 424      | 1995.12.02    | 397        | 50     | 164      | 23     | 47                    | 147                                      | 9 574 388  | 67.65             |
| The 4th Term | 21 833 772 | 14 961 930      | 1998.12.05    | 498        | 86     | 225      | 43     | 48                    | 192                                      | 10 188 302 | 68.09             |
| The 5th term | 22 350 363 | 15 822 583      | 2001.12.01    | 584        | 110    | 225      | 50     | 49                    | 206                                      | 10 468 990 | 66.16             |
| The 6th term | 22 640 250 | 16 559 254      | 2004.12.11    | 492        | 96     | 225      | 47     | 50                    | 430                                      | 9 796 299  | 59.16             |
| The 7th term | 22 925 311 | 17 179 656      | 2008.01.12    | 423        | 121    | 113      | 34     | 52                    | 102                                      | 10 050 619 | 58.50             |
| The 8th term | 23 224 912 | 17 980 578      | 2012.01.14    | 410        | 131    | 113      | 38     | 52                    | 105                                      | 13 390 326 | 74.47             |
| The 9th term | 23 483 793 | 18 692 217      | 2016.01.16    | 556        | 187    | 113      | 43     | 50                    | 104                                      | 12 400 029 | 66.34             |

**Source:** Central Election Commission

**Table 94. Number of all civil servants**

I . By educational attainment

Persons

| End of Year<br>&<br>Sex | Grand total | Graduate school |              |             | University | College | High<br>(vocational)<br>school | Junior high<br>school &<br>under |
|-------------------------|-------------|-----------------|--------------|-------------|------------|---------|--------------------------------|----------------------------------|
|                         |             | Total           | Ph.D. degree | M.A. degree |            |         |                                |                                  |
| 1971                    | 302 019     | 3 040           | -            | -           | 57 503     | 43 558  | 113 917                        | 84 001                           |
| 1981                    | 442 991     | 8 560           | 1 859        | 6 701       | 102 900    | 120 382 | 149 183                        | 61 966                           |
| 1991                    | 574 658     | 22 275          | 6 274        | 16 001      | 167 377    | 176 828 | 170 502                        | 37 676                           |
| 2001                    | 395 523     | 22 214          | 2 398        | 19 816      | 100 410    | 140 841 | 118 154                        | 13 904                           |
| 2006                    | 335 274     | 33 953          | 2 414        | 31 539      | 105 999    | 116 381 | 74 340                         | 4 601                            |
| 2008                    | 338 305     | 41 681          | 2 712        | 38 969      | 115 382    | 111 268 | 66 181                         | 3 793                            |
| 2009                    | 339 875     | 46 007          | 2 906        | 43 101      | 120 109    | 108 130 | 62 255                         | 3 374                            |
| 2010                    | 340 106     | 51 391          | 3 150        | 48 241      | 125 430    | 104 138 | 56 321                         | 2 826                            |
| 2011                    | 343 323     | 56 580          | 3 371        | 53 209      | 131 514    | 100 455 | 52 014                         | 2 760                            |
| 2012                    | 343 861     | 61 202          | 3 593        | 57 609      | 136 508    | 95 682  | 48 060                         | 2 409                            |
| 2013                    | 346 059     | 65 790          | 3 812        | 61 978      | 141 322    | 92 686  | 44 226                         | 2 035                            |
| 2014                    | 347 816     | 70 259          | 4 035        | 66 224      | 145 484    | 89 788  | 40 467                         | 1 818                            |
| 2015                    | 347 552     | 74 370          | 4 192        | 70 178      | 148 766    | 86 476  | 36 364                         | 1 576                            |
| 2016                    | 347 572     | 78 119          | 4 294        | 73 825      | 152 456    | 83 117  | 32 572                         | 1 308                            |
| 2017                    | 349 676     | 81 703          | 4 472        | 77 231      | 156 324    | 80 562  | 29 987                         | 1 100                            |
| By sex                  |             |                 |              |             |            |         |                                |                                  |
| Male                    | 202 463     | 48 643          | 3 475        | 45 168      | 73 834     | 55 588  | 23 436                         | 962                              |
| Female                  | 147 213     | 33 060          | 997          | 32 063      | 82 490     | 24 974  | 6 551                          | 138                              |

Source: Ministry Of Civil Service

**Table 94. Number of all civil servants (continued)**

## II. By age

Persons

| End of Year | Grand<br>Total | Average<br>age (Years) | 18-25  | 25-30  | 30-35  | 35-40                |
|-------------|----------------|------------------------|--------|--------|--------|----------------------|
|             |                |                        |        |        |        |                      |
| 1971        | 302 019        | 40.32                  | 23 278 | 40 919 | 42 881 | 37 058               |
| 1981        | 442 991        | 39.87                  | 32 663 | 76 609 | 80 357 | 53 602               |
| 1991        | 574 658        | 39.55                  | 41 665 | 79 142 | 97 325 | 104 417              |
| 2001        | 395 523        | 42.09                  | 4 200  | 34 461 | 63 341 | 69 026               |
| 2006        | 335 274        | 42.88                  | 4 454  | 16 010 | 42 356 | 64 009               |
| 2008        | 338 305        | 43.19                  | 5 892  | 20 818 | 35 084 | 59 655               |
| 2009        | 339 875        | 43.38                  | 5 718  | 22 202 | 33 750 | 55 813               |
| 2010        | 340 106        | 43.42                  | 5 121  | 24 982 | 34 209 | 51 521               |
| 2011        | 343 323        | 43.49                  | 5 291  | 25 978 | 36 391 | 48 805               |
| 2012        | 343 861        | 43.39                  | 6 074  | 26 166 | 40 488 | 45 551               |
| 2013        | 364 059        | 43.38                  | 6 609  | 26 550 | 43 493 | 43 605               |
| 2014        | 347 816        | 43.37                  | 7 876  | 26 052 | 45 337 | 43 103               |
| 2015        | 347 552        | 43.31                  | 8 935  | 25 688 | 46 390 | 43 977               |
| 2016        | 347 572        | 43.22                  | 10 152 | 25 988 | 45 546 | 45 939               |
| 2017        | 349 676        | 43.17                  | 11 342 | 26 964 | 44 130 | 49 811               |
| End of Year | 40-45          | 45-50                  | 50-55  | 55-60  | 60-65  | 65 Years<br>and over |
|             |                |                        |        |        |        |                      |
| 1971        | 46 105         | 51 579                 | 32 466 | 17 580 | 8 477  | 1 676                |
| 1981        | 47 499         | 39 400                 | 51 130 | 42 128 | 17 883 | 1 720                |
| 1991        | 87 625         | 55 622                 | 44 658 | 32 783 | 28 151 | 3 270                |
| 2001        | 73 001         | 69 963                 | 46 489 | 20 554 | 13 104 | 1 384                |
| 2006        | 64 077         | 62 346                 | 46 285 | 25 203 | 9 124  | 1 410                |
| 2008        | 63 877         | 64 098                 | 48 915 | 28 345 | 10 834 | 787                  |
| 2009        | 65 753         | 64 184                 | 49 871 | 29 338 | 12 525 | 721                  |
| 2010        | 66 415         | 63 946                 | 49 545 | 30 369 | 13 472 | 526                  |
| 2011        | 65 672         | 64 117                 | 49 636 | 30 728 | 15 875 | 830                  |
| 2012        | 65 143         | 63 894                 | 48 928 | 30 449 | 16 282 | 886                  |
| 2013        | 62 607         | 64 624                 | 48 931 | 31 676 | 16 964 | 1 000                |
| 2014        | 58 759         | 66 345                 | 49 160 | 32 484 | 17 693 | 1 007                |
| 2015        | 54 660         | 67 228                 | 49 045 | 32 445 | 18 073 | 1 111                |
| 2016        | 52 211         | 66 457                 | 50 035 | 32 084 | 17 901 | 1 259                |
| 2017        | 48 976         | 65 204                 | 51 465 | 32 323 | 18 228 | 1 233                |



## APPENDIX



## EXPLANATORY NOTES

### LAND AND CLIMATE

This chapter is concerned with the land and climate in Taiwan Area. The information on land is obtained from data compiled by the Department of Land Administration, the Ministry of the Interior and the Council of Agriculture, Executive Yuan. Please refer to the *Statistical Yearbook of Interior* and the *Agricultural Statistics Yearbook* for details. The information on climate is obtained from data collected by the weather observatories of the Central Weather Bureau located all over Taiwan Area and published in the *Statistical Abstract of Transportation and Communications* by the Department of Statistics Ministry of Transportation and Communications are the same as those reported by the Central Weather Bureau .

The size of territory of the Republic of China (Taiwan) is approximately 36,000 square kilometers. It comprises the main island of Taiwan (Taiwan Proper), the archipelagoes of Penghu, Kinmen and Matsu, as well as a number of other islands.

Taiwan proper is part of the arc that lies closest to the continent and marks the edge of the Asiatic continental shelf. Measuring nearly 400 kilometers from north to south and around 145 kilometers from east to west at its widest. The Central Mountain Range slopes gently to a broad and fertile plain in the west. In the east, the mountains descend precipitously to the Pacific. The island's uplands are so extensive that only about one-fifth of Taiwan is arable. Shorelines are fairly straight and there are few good natural harbors. Rivers are short and useful for power generation, but not for navigation. Taiwan proper can be divided into five major physiographical regions: mountain ranges, volcanic mountains, foothills, tablelands, and coastal plains and basins.

The cultivated land refers to land under temporary and permanent crops, and can be classified into paddy field, and upland field of registered land, non-registered land, river alluvial land, tidal land, slope land, and virgin field. Before 1995, data of forest land area is obtained from an aerial survey from 1973 to 1977 while data of 1995 was from survey from 1984 to 1993.

The Central Weather Bureau distinctively takes the responsibility for meteorological, seismological, and related marine and astronomical operations of the nation. Taiwan's climate is subtropical but pleasant. Recently, the average temperature is between 11°C (51.8°F) and 26°C (78.8°F). Summer runs from May to October, and a mild winter from December to February. Local and seasonal variations are numerous. The north is often rainy in the winter and the south in the summer. Snow is rare and falls only on the higher mountains.

## POPULATION AND HOUSING

This chapter is concerned with population and housing. On the front of population, it contains information on population growth as well as the current status of population. Other population statistics come from the Demographic Fact Book, the *Monthly Bulletin of Interior Statistics*, and the *Statistical Yearbook of Interior*, published by the Ministry of the Interior.

The population statistics mainly come from the household registration. According to the provisions of laws and regulations, the registered population refers to all of the R.O.C. nationals maintaining household registration in Taiwan-Fukien Area. The demographic data can be divided into two kinds, i.e., year-end static population data and year-round dynamic population data. The static data are defined as those collected during a particular reference period of time; those collected by continuous registration are called dynamic data. Thus, the former includes such population data as household, age-sex composition, education, marital status, and population density; the latter comprises data of birth, death, marriage, divorce and migration. All of the static population data are conducted from the outcome of household registration. The standard day of the statistics is on December 31. All of the dynamic data are calculated in accordance with the records of the application forms of those vital events. The standard period of the statistics is from January 1 to December 31 in the year.

Fertility Rates -- Two kinds of fertility rates are presented in this section, i.e., general fertility rate and total fertility rate. The general fertility rate refers to the number of live births per thousand of mid-year childbearing age women (aged 15 to 49). The total fertility rate refers to the birth rate derived from the total number of births likely to come out from the current generation of childbearing age women during their childbearing period without death.

## MANPOWER

This chapter is concerned with labor force, employment, and unemployment. The data are mainly obtained from the results produced by the manpower resource survey and the employees' earnings survey regularly conducted by the Directorate-General of Budget, Accounting and Statistics, Executive Yuan, which are incorporated in the *Yearbook of Manpower Survey Statistics*, the *Monthly Bulletin of Manpower Statistics*, the *Yearbook of Earnings and Productivity Statistics*, and the *Monthly Bulletin of Earnings and Productivity Statistics*.

The manpower resource survey, conducted once a month, and the week containing the fifteenth day of a month is set as the reference week. The survey covers all the population of age 15 or over who are engaged in economic activities in Taiwan Area (Kinmen County and Lienchiang County excluded), but excludes those in active military services and in prison. Everyone is classified into only one of the following three slots; employment, unemployment, or not in labor force. Where a person in employment has more than one job, the job occupying the longest working time in the reference week is counted as his job. The survey adopts the two-stage stratified sampling method with the basic administration unit of Tsun or Li as the first stage sampling unit and the household as the second stage sampling unit.

In the employees' earnings survey, unless otherwise specified, the number of employees on payroll at the end of a month is collected while earning, working hours and turnover of employees at the end of each month during a year. The employees' earnings, working hours, accession and separation are monthly data multiply the number of employees of the month. Then calculate the 12-month weighted average. The object of this survey are public and private firms and their employees in Taiwan Area (Kinmen County and Lienchiang County excluded), excluding the factories owned by the Ministry of National Defense, consumers cooperatives, workshops of schools, relief institutions and prisons. In the survey period, if a surveyed worker has two jobs, these two jobs will both be counted, a way different from that for the manpower resource survey. The survey adopts both of the complete investigation approach and the cut-off stratified random sampling approach which uses the Dalenius-Hodges approximate optimum method for stratum division and the Neyman optimum Allocation for allocation of samples in each stratum. The survey is conducted in accordance with the 9th revision of Standard Industrial Classification of the Republic of China.

Labor force -- It is defined as those civilians who, during the reference week, are 15 years of age or over and who are available to work, including both the employed and the unemployed. The employed population comprise all the persons who, during the reference week, work for pay or work for 15 hours or more as unpaid family workers. The unemployed population comprise all the persons who, during the reference week, are 15 years of age or over and under the following conditions: (1) jobless, (2) available to work, (3) seeking a job or waiting for results after job seeking. Besides, the

unemployed population also includes the persons who are waiting to recall or start a new job but not working and paid yet.

Not in Labor Force -- The category comprises those civilians who during the reference week are 15 years or over and not in labor force, including the persons who intend to work but not seeking for , attending schools, being engaged in housekeeping, aged, disabled, or with some other reasons so that unemployed and not seeking for a job.--

Earnings of Employees -- The earnings of an employee are composed of the following three categories: (1) Regular earnings: It refers to regular rewards paid to employees every month. Included in the regular earnings are basic pay, regular allowance and awards such as housing allowance, transportation allowance, free meals, free water and electricity, regularly (production, good job-rating, good sales, etc.) performance awards, full attendance award, etc. Pay in kind should be converted into value at the current prices. The regular earnings should include payable income tax, insurance premium and labor union fees. (2) Over time pay: it refers to the rewards paid for employees working overtime. (3) Other irregular earnings: Included are performance awards, full attendance award, year-end bonus, bonus for Dragon Festival and/or other festivals, official trip per diems, and job transfer allowance.

## **EDUCATION, SCIENCE AND TECHNOLOGY, CULTURE AND MASS COMMUNICATION**

This chapter is concerned with information on education, science & technology, culture, and mass communication in our country. On the front of education, it contains data on the education situation and educational expenditure. All of the educational statistics are obtained from the *Education Statistics* and the *Education Statistical Indicators*, both compiled by the Ministry of Education based on statistical reports regularly submitted by all of the public and private schools, except for information on educational attainments which come from the official statistics of the Ministry of the Interior. On the front of science and technology, this chapter contains data on national research and development (R&D) expenditures, and number of patents granted. Information on R&D expenditures is obtained from the *Indicators of Science and Technology*, compiled from results of the Survey of National Science and Technology Activity annually conducted by the Ministry of Science and Technology. On the front of culture, this chapter contains data on the status of libraries and the status of historic relics. Information on culture is obtained from official statistics compiled by the Ministry of Education and the Ministry of Culture, respectively. On the front of mass communication, this chapter introduces the status of mass communication enterprises and the saturation rates for newspapers and magazines. The information on mass communication enterprises come from official statistics produced by the Ministry of Finance while that on newspapers and magazines, from the *Report on the Survey of Family Income and Expenditure* published by the Directorate-General of Budget, Accounting and Statistics, Executive Yuan.

The National Science and Technology Survey takes place once a year. Objects of the survey are all of the organizations engaging in research in the fields of natural sciences, engineering, medical sciences, agricultural sciences, humanities and social sciences, including departments and institutes of all public and private colleges and universities, independent research institutes, and public and private industries. For investigation, private industries are drawn by the stratified sampling method, and the data are used as a base to estimate the population of each related parameter by ratio estimation. For all other kinds, every object is investigated in the survey, and the data obtained from this part are directly compiled and tabulated in the statistical tables without going through any estimation process. The survey adopts the calendar year as the survey period.

School Year -- A school year begins August 1 of a year to July 31 of the next year. Each school year is divided into two semesters, with the first semester being from August 1 of a year to January 31 of the next year and the second semester, from February 1 to July 31 of the next year.

To facilitate comparison with international statistics, the indicators have presented R&D expenditures and personnel since 2001, which are classified according to the definitions in the newest edition of the OECD's R&D manual "Frascati Manual". In the OECD criterion, only persons with university degree or above are counted as "researchers". Those with lower formal qualifications are counted as "technicians."



## HEALTH

This chapter is concerned with information on public health in our country. It contains data on medical care facilities, health personnel, causes of death and nutrient consumption. Data on medical care facilities, health personnel and death rates of the leading causes, infant and maternity are obtained from the website of the Ministry of Health and Welfare. Data on nutrient supply are obtained from the *Food Supply & Utilization Yearbook* published by the Council of Agriculture, Executive Yuan.

The scope of data on medical care facilities covered public and private medical care institutions.

The classification standards of major causes of death are based on the tenth revision of the *International Statistical Classification of Diseases and Related Health Problems* (ICD) by the World Health Organization.

The nutrient supply is derived from the nutrients contained in the foods taken each day by each person.

## ENVIRONMENT

This chapter includes information on air pollution. Data on environment come from the official statistics contained in the *Yearbook of Environmental Protection Statistics* published by the Environmental Protection Administration, Executive Yuan.

Pollutants Standard Index (PSI) -- The procedure to calculate the PSI is as follows: First, each of the air pollutants( including suspended particulate with a diameter of 10 microns or less fine particles, sulfur dioxide(SO<sub>2</sub>), nitrogen dioxide(NO<sub>2</sub>), carbon monoxide(CO), and ozone(O<sub>3</sub>)) is monitored in the air by the monitoring stations increased to 60 stations from 2012 and scattered in Taiwan Island and Outer Islands, and the monitoring data is converted to the PSI sub-index value. Second, the largest one picked from the 5 PSI sub-index values calculated by the stations for a day is to serve as the PSI for the station on the specific day.

**PSI value cross reference table**

| PSI value | PM <sub>10</sub><br>24-hr.<br>Average | SO <sub>2</sub><br>24-hr.<br>Average | CO<br>24-hr.<br>Maximum 8-hour<br>average | O <sub>3</sub><br>24-hr.<br>Maximum value<br>of the hour | NO <sub>2</sub><br>24-hr.<br>Maximum value<br>of the hour |
|-----------|---------------------------------------|--------------------------------------|-------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
|           | µg/m <sup>3</sup>                     | ppb                                  | ppm                                       | ppb                                                      | ppb                                                       |
| 50        | 50                                    | 30                                   | 4.5                                       | 60                                                       | -                                                         |
| 100       | 150                                   | 140                                  | 9                                         | 120                                                      | -                                                         |
| 200       | 350                                   | 300                                  | 15                                        | 200                                                      | 600                                                       |
| 300       | 420                                   | 600                                  | 30                                        | 400                                                      | 1200                                                      |
| 400       | 500                                   | 800                                  | 40                                        | 500                                                      | 1600                                                      |
| 500       | 600                                   | 1000                                 | 50                                        | 600                                                      | 2000                                                      |

The comprehensive index of measurement for air quality was PSI before 2017, and it was changed into AQI beginning 2017.

Air quality index based on monitoring data will be on the same day in the air ozone(O<sub>3</sub>), suspended fine particles(PM<sub>2.5</sub>), suspended particles(PM<sub>10</sub>), carbon monoxide(CO), sulfur dioxide(SO<sub>2</sub>) and II Nitric oxide(NO<sub>2</sub>) such as the concentration of value, its impact on human health, were converted into different pollutants The vice-value targets, indicators, deputy to the day of the maximum value of the stations on the day of the air quality index (AQI).

**The concentration of pollutants and air quality index value deputy table**

| Air Quality Index(AQI)                       |                                |                                                |                                                    |                                                   |                     |                                  |                                  |
|----------------------------------------------|--------------------------------|------------------------------------------------|----------------------------------------------------|---------------------------------------------------|---------------------|----------------------------------|----------------------------------|
| AQI                                          | O <sub>3</sub><br>(ppm)<br>8hr | O <sub>3</sub><br>(ppm)<br>1-hr <sup>(1)</sup> | PM <sub>2.5</sub><br>(μg/m <sup>3</sup> )<br>24-hr | PM <sub>10</sub><br>(μg/m <sup>3</sup> )<br>24-hr | CO<br>(ppm)<br>8-hr | SO <sub>2</sub><br>(ppb)<br>1-hr | NO <sub>2</sub><br>(ppb)<br>1-hr |
| Good<br>0~50                                 | 0.000 - 0.054                  | -                                              | 0.0 - 15.4                                         | 0 - 54                                            | 0 - 4.4             | 0 - 35                           | 0 - 53                           |
| Moderate<br>51~100                           | 0.055 - 0.070                  | -                                              | 15.5 - 35.4                                        | 55 - 125                                          | 4.5 - 9.4           | 36 - 75                          | 54 - 100                         |
| Unhealthy for<br>Sensitive Groups<br>101~150 | 0.071 - 0.085                  | 0.125 - 0.164                                  | 35.5 - 54.4                                        | 126 - 254                                         | 9.5 - 12.4          | 76 - 185                         | 101 - 360                        |
| Unhealthy<br>151~200                         | 0.086 - 0.105                  | 0.165 - 0.204                                  | 54.5 - 150.4                                       | 255 - 354                                         | 12.5 - 15.4         | 186 - 304 <sup>(3)</sup>         | 361 - 649                        |
| Very Unhealthy<br>201~300                    | 0.106 - 0.200                  | 0.205 - 0.404                                  | 150.5 - 250.4                                      | 355 - 424                                         | 15.5 - 30.4         | 305 - 604 <sup>(3)</sup>         | 650 - 1249                       |
| Hazardous<br>301~400                         | <sup>(2)</sup>                 | 0.405 - 0.504                                  | 250.5 - 350.4                                      | 425 - 504                                         | 30.5 - 40.4         | 605 - 804 <sup>(3)</sup>         | 1250 - 1649                      |
| Hazardous<br>401~500                         | <sup>(2)</sup>                 | 0.505 - 0.604                                  | 350.5 - 500.4                                      | 505 - 604                                         | 40.5 - 50.4         | 805 - 1004 <sup>(3)</sup>        | 1650 - 2049                      |

(1) Areas are generally required to report the AQI based on 8-hour ozone values. However, there are a small number of areas where an AQI based on 1-hour ozone values would be more precautionary. In these cases, in addition to calculating the 8-hour ozone index value, the 1-hour ozone value may be calculated, and the maximum of the two values reported.

(2) 8-hour O<sub>3</sub> values do not define higher AQI values ( $\geq 301$ ). AQI values of 301 or higher are calculated with 1-hour O<sub>3</sub> concentrations.

(3) 1-hour SO<sub>2</sub> values do not define higher AQI values ( $\geq 200$ ). AQI values of 200 or greater are calculated with 24-hour SO<sub>2</sub> concentrations.

## JUSTICE AND PUBLIC SAFETY

This chapter is concerned with information on status and treatment of crimes, and fire accidents. Data on status of crimes is obtained from the official statistics contained in the *Statistics Annual Report of Police Affairs*, an annual report published by the National Police Agency, Ministry of the Interior. Data on fire accidents come from the National Fire Agency, Ministry of the Interior. Data on treatment of crimes mainly come from the official statistics compiled by the Ministry of Justice and the Judicial Yuan, contained in the *Statistical Yearbook*, an annual report published by the Statistical Department, Ministry of Justice.

Data on the status of crimes include criminal cases, cleared cases, and the number of offenders. A criminal case refers to a case in which one is found offending against the criminal codes, indicted and punished according to the Criminal Suit Law. Statistics on criminal cases are reported by the police agencies regarding complaints or accusations filed by ordinary persons or crimes found by policemen while on duty, with the figure for a specific period. The number of cleared cases refers to the criminal cases which, after investigation, are cleared by police in a specific period. Statistics on offenders refer to the number of criminal suspects who are implicated and after being revised, the monthly statistics are compiled into an annual report at the end of a year.

Violent Crime -- It principally refers to murder and nonnegligent manslaughter, serious intimidation, robbery and forceful taking, kidnapping, serious injury and forcible rape (gang rape).

Theft -- It refers to stealing of automobiles, motorcycles and other properties.

Offender Rate -- It refers to the number of offenders per 100 000 of mid-year population. Offenders are divided to 4 categories according to their age:

1. An adult offender -- refers to the offender who is of age 24 or more.
2. An adolescent offender -- refers to the offender who is of age 18 - 23.
3. A juvenile offender -- refers to the offender who is of age 12 - 17.
4. A child offender -- refers to the offender who is of age less than 12.

## SOCIAL WELFARE

This chapter is concerned with statistics on social insurance, social assistance and relief, low income households, social welfare services, and social welfare expenditure. For social insurance, the data of Government Employees' and School Staffs' Insurance, and Retired Government Employees' Insurance are obtained from the *Statistical Data for Government Employee and School Staff Insurance*, published by Bank of Taiwan. Data on Labor Insurance and Farmers' Health Insurance come from the *Statistical Yearbooks*, published by the Bureau of Labor Insurance. Statistics on National Health Insurance are obtained from the *National Health Insurance Annual Statistical Report*, published by the National Health Insurance Administration Ministry of Health and Welfare. Statistics on social welfare expenditure are obtained from the *Yearbook of Financial Statistics*, published by the Department of Statistics, Ministry of Finance. All other information comes from the *Monthly Social Welfare Statistics*, and the *Statistical Yearbook of Social Welfare*, published by the Department of Statistics, Ministry of Health and Welfare.

Social welfare statistics are compiled by the Ministry of Health and Welfare from monthly and quarterly reports regularly submitted by Municipal Governments. As it is hard to secure data concerning private social relief institutions, readers shall pay attention to revisions to data of the previous year.

Social Insurance -- It shall cover National Health Insurance, Government Employees' and School Staffs' Insurance, Retired Government Employees' Insurance, Labor Insurance, Farmers' Health Insurance and Employment Insurance.

Low Income Household -- The low-income households shall qualify under the following conditions: they are approved by their local municipality competent authority via application; their average divided monthly income among each person in the household falls below the lowest living index; and their total household assets do not exceed the specific amount announced by the central and municipality competent authorities in the year of application. The aforementioned lowest living index is based on the standard announced by the central department of budget, accounting and statistics, and is defined by the central and municipality competent authorities as 60% of the median rate of the expenditure per person in the past year in the household's local area.

Net Expenditure for Social Welfare -- The expenditure is compiled on a basis of fiscal year and it is net of the double counting arising from inter-governmental transfers. The social welfare expenditure covered social insurance (including expenditures for pension and survivors' benefits), social relief, benefit service, nationwide employment service, medical care and community development, and environmental protection before FY1989. Since FY1990, it excluded expenditure on community development, environmental protection and expenditures for pension and survivors' benefits. Data from FY1981 to 1989 are recalculated by the definition of the social welfare expenditure made in 1990.

## **NATIONAL ECONOMICS AND BUSINESS ACTIVITIES**

This chapter is concerned with information on national income, family income and expenditure and industrial inter-relations, all coming from the Directorate-General of Budget, Accounting and Statistics, Executive Yuan(DGBAS). Data on family income and expenditure, which are derived from the family income and expenditure survey, are contained in the Report on the Survey of Family Income and Expenditure. Besides, this chapter is concerned with statistical information on business activities, and the information is from Investment Commission, MOEA.

In 1953, our country began compiling annual national income statistics in Taiwan area, based on the system of national accounts by the United Nations. Preliminary Compilation of quarterly national product and income statistics started in 1970. Beginning in 1978, a macro-econometric model has been used to forecast economic conditions for the current quarter. In 1986, the prediction was extended to cover a quarter beyond the current one, an additional quarter in 1987, and four quarters to come in 1988. Data have been revised in accordance with system of national accounts 2008, and incorporated with nearly available sources such as Industrial and Commercial Census,etc. Estimates by kinds of activities have been revised, according to the ninth edition of “Standard Industrial Classification of the Republic of China”, and traced back to 2007. Data have been revised and released every 5 years, for years ending in “3” and “8”.

This country started preparation of statistics on personal income distribution in 1964, a sampling survey on household income and expenditure in the Taiwan area conducted by the DGBAS. This survey adopts a stratified two-stage sampling method with counties and cities as subpopulations. The Ts'un and Li, a basic administrative unit, is designated as the primary sampling unit (PSU), and the household in the PSU is the secondary sampling unit (SSU).

## **EXTERNAL TRADE**

External trade, covering imports and exports in value, trade composition, and trade indices are compiled from the import and export declaration documents on a monthly basis, with the results incorporated in the Monthly Statistics of Exports and Imports published by the Department of Statistics, Ministry of Finance.

Imports and exports statistics cover only cargoes exported to and imported from foreign countries; fish sales and bunker oil receipts at local ports have also been included in exports since 1970. Values of exports are priced on a free-on-board (F.O.B.) basis, and values of imports are priced on a cost-insurance-freight (C.I.F.) basis. Exported goods are classified according to the country of destination which was declared by the exporter. If there are more than one destination, the final destination shall be applied.

## **AGRICULTURE, FORESTRY AND FISHING**

This chapter is concerned with information on agriculture, forestry, fisheries, and livestock husbandry. All data on agriculture, forestry and fishing are obtained from the Agricultural Statistics Yearbook, the Fisheries Statistical Yearbook, and the Food Supply and Utilization Yearbook all published by Council of Agriculture, Executive Yuan.

The scope of agricultural production reporting system cover all agricultural products produced in Taiwan Area except sheep, horses and deer. Production does not include intermediate inputs, consumption or waste. The productions of principal products are all reported. For by-products only productions of forestry are reported. From the reported data, the Council of Agriculture picks out a number of representative products for calculation of the agricultural production index which adopts the Laspeyres fixed base weighted formula, with the weights being the prices of farm products prevailing in the base year. In shifting the base year, the Fisher Ideal formula is used to splice the new and old indices. To avoid double counting the agricultural output, seeds are deducted from the output of a crop in calculation of the output index for the crop. In calculation of the general agricultural production index, crop products used as animal feed are further deducted in order to avoid double counting of the animal feed in the crop sector. Animal feed is included in the livestock and fisheries production.

Fisheries -- This line of business can be divided into six categories, i.e., deep sea fisheries, offshore fisheries, coastal fisheries, marine aquaculture, inland water fisheries and inland water aquaculture. The deep sea fisheries refer to fishing on waters beyond the economic zones of our country by means of powered vessels. The offshore fisheries refer to fishing on the waters within the economic zones of our country, i.e., 12 nautical miles to 200 nautical miles from the coast by means of powered vessels. The coastal fisheries refer to fishing on the territorial waters, i.e., 12 nautical miles from the coast by fishing raft or other means. The marine aquaculture refers to raising aquatic animals or plants in the waters along the coast. The inland water fisheries refer to fishing or harvesting of aquatic animals or plants in inland waters. The inland water aquaculture refers to raising aquatic animals or plants in inland waters.



## **INDUSTRY**

This chapter is concerned with statistical data on industries and energy. Data on industrial production and industrial production indices are obtained from statistical results of the monthly industrial production, shipment and inventory survey issued in the Yearbook of Industrial Production Statistics published by the Department of Statistics, Ministry of Economic Affairs. Statistics on energy demand and supply mainly come from the official statistics printed in the yearbook of Taiwan Energy Statistics published by the Bureau of Energy, Ministry of Economic Affairs.

The industrial production, shipment and inventory survey is conducted once a month, and its scope covers the five industrial sectors in Taiwan-Fukien area, i.e. mining and quarrying, manufacturing, electricity & gas supply, water supply and building construction industries. Objects of the survey are enterprises selected from the Factory Registration Update Survey. Different sampling sizes are applied to different industries. Mining and quarrying, electricity & gas, water supply, building construction and public enterprises sectors are all subject to survey. Other sectors are partly selected as samples for survey by way of “cut-off sampling”. Different objects are subject to different survey methods. The data source of mining and quarrying major division is from the Bureau of Mines, Ministry of Economic Affairs. Public and private enterprises as well as business operators of electricity & gas supply and water supply are required to fill out the survey questionnaires by themselves. The industrial production index is calculated by Laspeyres’s formula and from the production weighted by unit net value of selected products.

On the front of energy statistics, the data has been compiled according to the new format Energy Balances.

## **TRANSPORTATION, STORAGE, COMMUNICATIONS AND TOURISM**

This chapter is concerned with statistical data on sea transportation, inland transportation, air transportation, postal services, communications, and tourism. All of the information except for tourism and communications is obtained from official registration data which are incorporated in the Statistical Abstract of Transportation and Communications published by the Ministry of Transportation and Communications. On the front of tourism, the information is contained in the relative report on tourism statistics published by the Tourism Bureau. Visitor arrivals by length of stay and visitor expenditure in Taiwan are from the Survey Report on Visitors Expenditure and Trends in Taiwan published by the Tourism Bureau, M.O.T.C. Besides, data of communications except for internet users obtained from Institute for Information Industry come from National Communications Commission.

The survey of visitors expenditure and trends in Taiwan is conducted once a year. The objects of this survey are the foreign and overseas Chinese inbound visitors(excluding the foreign and overseas Chinese transit visitors).

Passenger-kilometers (or Ton-Kilometer) -- The passenger-kilometers, a unit used to measure the passenger transportation volume, refers to carrying a passenger for a distance of one kilometer. The number of passengers refer to the number of persons buying tickets, excluding the passengers exempt from transportation service charges. The distance of transportation is the one stated on the ticket. Therefore, the passenger transportation volume can be derived from the number of passengers multiplied by the distance of transportation. The ton-kilometer, a unit used to measure the volume of freight transportation, refers to carrying a ton of freight for a distance of one kilometer. The freight excludes mail, personal luggage, and fuel. The volume of freight is based on the amount and the distance stated on the invoice, and the volume of freight transportation can be derived from the weight of freight multiplied by the distance of transportation.

Number of Motor Vehicles -- The motor vehicles refer to those registered with and licensed by the vehicle administration agencies, excluding military vehicles, tricars, and motor vehicles without license plate or with temporary license plate. In March 1987, the motor vehicles further excluded those license plates having expired. Commercial vehicles include buses, trucks, pick-up truck. Specially constructed vehicles, which are installed with special equipment to serve special purposes, include towing vehicles, ambulances, fire engines, armored police vehicles, and police patrol cars.

## FINANCE AND INSURANCE

This chapter is concerned with statistical data on financial statistics, balance of payments and insurance. All of the information except for insurance is obtained from the Financial Statistics Monthly, published by the Central Bank.

The domestic financial institutions refer to financial service institutions organized and registered in accordance with the Banking Act or other decrees. The financial statistics at present classify financial institutions as monetary financial institutions, trust and investment companies, and life insurance companies. The monetary financial institutions are grouped according to whether they are able to create money, and they include the Central Bank, domestic banks (including medium business banks), local branches of foreign and Mainland Chinese banks, credit cooperative associations, Credit Departments of Farmers' and Fishermen's Associations, Chunghwa Post Co., and money market mutual funds. Although property and casualty insurance companies, bills finance companies and securities finance companies also provide financial services, they differ greatly from financial institutions in terms of the financial liabilities they hold. For this reason, they are classified as privated enterprises, instead of financial institutions, in the compilation of financial statistics.

Stock price index, which is compiled by the Taiwan Stock Exchange, is a weighted annual index using 1966 as the base year. The index is based on the closing prices of selected issues, using amount issued as the weight and calculated by the Passche Formula. The annual average is derived from the number of total trading days in a year.

Currency held by the public-- This refers to currency held by all sectors/departments except monetary financial institutions (currency held by the public = currency issued by the Central Bank — cash in vaults of monetary financial institutions).

Quasi-money-- This refers to the time deposits (including general time deposits and negotiable certificates of deposit (NCDs)), time savings deposits, and foreign currency deposits of enterprises and individuals in other monetary financial institutions. In addition, postal deposits are also included. From Jan. 1994 on, the data also include repurchase agreements and non-resident NT deposits. From Oct. 2004 on, the data also include money market mutual funds. The carrying values of the host contracts of structured products issued by banks are excluded.

Reserve money-- The reserve money comprises all reserves held by other monetary financial institutions and currency held by the public, both of which are monetary liabilities of the Central Bank. It is also referred to as “high-powered money” or “base money”. Changes in reserve money affect directly the amount of loanable funds of other monetary financial institutions. Through the money-creating process, money supply and liquidity expand or contract by a multiple which is usually measured by the ratio of monetary aggregate to reserve money.

Monetary aggregate (M1B)-- It is composed of currency held by the public and deposit money.

## **REVENUES AND EXPENDITURES OF GOVERNMENT**

This chapter is concerned with statistical data on the revenues and expenditures of general governments. The governments' net revenues and expenditures are based on an accrual basis. All of the data are obtained from the Yearbook of Financial Statistics published by the Department of Statistics, Ministry of Finance.

Net Revenues and Expenditures of General Governments -- Net revenues exclude the government bonds, borrowing and surplus of previous fiscal years. Net expenditures exclude the principal repayment.

The tax statistics of our country include direct taxes and indirect taxes. The direct taxes include income tax, land tax (agricultural land tax, land value tax, and land value increment tax), house tax, estate and gift tax, securities transaction tax, futures transaction tax, education surtax, and deed tax. All other taxes are classified as indirect taxes.

## **ADMINISTRATION**

This chapter is concerned with information on civil service personnel and central & local public office elections. Information on civil service personnel is obtained from the statistical yearbook compiled by the Ministry of Civil Service. Data on public office elections are compiled by the Central Election Commission.

Civil Service Personnel -- They include all politically appointed officials and administrative officers filling in civil service positions given with specific titles and grades at executive agencies, public enterprises, public schools, and other organizations formed on accordance with laws.

Central Public Office Elections -- After our country put the Constitution into force, the first central public office elections took place in 1947. Legislators had a term of three years before 2008, which is four afterwards. Meanwhile national assemblymen and members of Control Yuan had a term of six years. However, due to the loss of the mainland to the Chinese communists, the central public offices could not be put for re-election. To meet the national requirement and to make up the vacancies left for one reason or another, several additional and supplementary elections have been conducted. When the Mobilization Period ended in 1991, the second term of national assemblymen was elected in accordance with the provisions of the Constitution as amended.

Local Public Office Elections -- Local elected public offices include Taiwan provincial governor, Taiwan provincial assemblymen, mayors and councilors at New Taipei, Taipei, Taoyuan, Taichung, Tainan, and Kaohsiung Cities, county (or city) councilors, county magistrates, and city mayors in Taiwan Province. However, the term of Taiwan Provincial governor and Taiwan provincial assemblymen ended in December 1998.



### The other important indicators (URL)

| Indicators                                                           | Related ministries             | URL                                                                                                                                                                                                           | Notes                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population by 5-year age groups/Population (Admin 1 or Admin 2 only) | Ministry of the Interior       | <a href="https://www.moi.gov.tw/files/site_stuff/321/1/month/m1-06.ods">https://www.moi.gov.tw/files/site_stuff/321/1/month/m1-06.ods</a>                                                                     | <a href="https://www.moi.gov.tw/files/site_stuff/321/1/month/m1-06.xls">https://www.moi.gov.tw/files/site_stuff/321/1/month/m1-06.xls</a>                                                                                                                                    |
| Competency exam results                                              | Ministry of Education          | <a href="http://english.moe.gov.tw/lp.asp?ctNode=11432&amp;CtUnit=1348&amp;BaseDSD=16&amp;mp=1">http://english.moe.gov.tw/lp.asp?ctNode=11432&amp;CtUnit=1348&amp;BaseDSD=16&amp;mp=1</a>                     | Report name and location-International Comparison of Education Statistical Indicators 2017 Edition ,<br>Table 5-1 、 5-2 、 5-3 、 5-4 、 5-5 、 5-7                                                                                                                              |
| Immunization rate                                                    | Centers for Disease Control    | <a href="https://www.cdc.gov.tw/english/list.aspx?treeid=E79C7A9E1E9B1CDF&amp;nowtreeid=9ACA97F87D31282D">https://www.cdc.gov.tw/english/list.aspx?treeid=E79C7A9E1E9B1CDF&amp;nowtreeid=9ACA97F87D31282D</a> | Immunization Coverage Annual Data - 2016                                                                                                                                                                                                                                     |
| Diseases prevalence/incidence (see notes)                            | Ministry of Health and Welfare | <a href="https://www.mohw.gov.tw/np-135-2.html">https://www.mohw.gov.tw/np-135-2.html</a>                                                                                                                     | Report name and location- Taiwan Supplement (Malaria incidenceh 、 TB incidenceg)                                                                                                                                                                                             |
| Stunting, wasting, or obesity rate                                   | Ministry of Health and Welfare | <a href="https://www.mohw.gov.tw/np-135-2.html">https://www.mohw.gov.tw/np-135-2.html</a>                                                                                                                     | Report name and location- Taiwan Supplement (Prevalence of stunting in children under 5 、<br>Prevalence of wasting in children under 5 、<br>Prevalence of overweight in children under 5)                                                                                    |
| Maternal mortality ratio                                             | Ministry of Health and Welfare | <a href="https://www.mohw.gov.tw/np-128-2.html">https://www.mohw.gov.tw/np-128-2.html</a>                                                                                                                     | Report name and location-2016 Statistics of Causes of Death<br>Table 11 No. of Deaths and Crude Death Rates for Neonatal, Infant and Maternal                                                                                                                                |
| Infant mortality rate                                                | Ministry of Health and Welfare | <a href="https://www.mohw.gov.tw/np-128-2.html">https://www.mohw.gov.tw/np-128-2.html</a>                                                                                                                     | Report name and location-2016 Statistics of Causes of Death<br>Table 11 No. of Deaths and Crude Death Rates for Neonatal, Infant and Maternal                                                                                                                                |
| Under-5 mortality rate                                               | Ministry of Health and Welfare | <a href="https://www.mohw.gov.tw/np-128-2.html">https://www.mohw.gov.tw/np-128-2.html</a>                                                                                                                     | Report name and location-2016 Statistics of Causes of Death<br>Table 34 No. of Deaths and Crude Death Rates for Leading Causes of Death by Age Group and Gender<br>Table 35 No. of Deaths and Crude Death Rates for Leading Causes of Death by Age-Specific Group and Gender |
| Data on violence against women                                       | Ministry of Health and Welfare | <a href="https://www.mohw.gov.tw/lp-3570-2.html">https://www.mohw.gov.tw/lp-3570-2.html</a>                                                                                                                   | Report name and location-The Statistics and Trends in Health and Welfare 2015 (Ch5.Social Welfare/ 3.Protection Services/ (1) Family Violence Prevention "Overview of Victims and Offenders of Domestic Violence Reported Over the Years")                                   |
| Data on child marriages                                              | Ministry of the Interior       | <a href="https://www.moi.gov.tw/files/site_stuff/321/2/year/y02-03.xls">https://www.moi.gov.tw/files/site_stuff/321/2/year/y02-03.xls</a>                                                                     |                                                                                                                                                                                                                                                                              |
| Prison population/count                                              | Ministry of Justice            | <a href="https://www.moj.gov.tw/lp-429-095.html">https://www.moj.gov.tw/lp-429-095.html</a>                                                                                                                   | Number of Prisoners by Type of Offense;<br>Number of Prisoners by Type of Penalty                                                                                                                                                                                            |