

Table 28. Air quality index

Year	Measurement days (Station day)						Percentage of measurement days (%)				
	Total	Good 0-50	Moderate 51-100	Unhealthy 101-199	Very unhealthy 200-299	Hazardous >=300	Good 0-50	Good 51-100	Unhealthy 101-199	Very unhealthy 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	
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	-	
2011	20 721	9 208	11 228	285	-	-	44.44	54.19	1.38	-	
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 & District	Measurement days (Station day)							Percentage of measurement days (%)			
	Total	Good 0-50	Moderate 51-100	Unhealthy for Sensitive Groups 101-150	Unhealthy 151-200	Very Unhealthy 201-300	Hazardous 301-500	Good 0-50	Moderate 51-100	Unhealthy for Sensitive Groups 101-150	Unhealthy 151-200
2017	21 876	8 690	9 231	3 334	610	11	-	39.72	42.20	15.24	2.79
2018	21 885	9 299	9 083	2 955	540	8	-	42.49	41.50	13.50	2.47
2019	21 775	10 423	8 543	2 423	383	3	-	47.87	39.23	11.13	1.76
2020	21 959	11 906	7 846	1 973	224	10	-	54.22	35.73	8.98	1.02
2021	21 887	11 329	8 416	1 920	222	-	-	51.76	38.45	8.77	1.01
2022	21 880	13 043	7 440	1 289	105	3	-	59.61	34.00	5.89	0.48
Taiwan Area											
New Taipei City	3 285	2 245	964	69	7	-	-	68.34	29.35	2.10	0.21
Taipei City	1 822	1 136	660	25	1	-	-	62.35	36.22	1.37	0.05
Taoyuan City	1 460	1 031	386	42	1	-	-	70.62	26.44	2.88	0.07
Taichung City	1 825	1 162	590	72	1	-	-	63.67	32.33	3.95	0.05
Tainan City	1 457	637	677	133	10	-	-	43.72	46.47	9.13	0.69
Kaohsiung City	2 915	1 066	1 457	368	24	-	-	36.57	49.98	12.62	0.82
Yilan County	730	668	57	5	-	-	-	91.51	7.81	0.68	-
Hsinchu County	730	551	157	20	2	-	-	75.48	21.51	2.74	0.27
Miaoli County	722	531	170	20	1	-	-	73.55	23.55	2.77	0.14
Changhua County	730	411	279	36	4	-	-	56.30	38.22	4.93	0.55
Nantou County	729	350	292	84	3	-	-	48.01	40.05	11.52	0.41
Yunlin County	730	352	308	63	7	-	-	48.22	42.19	8.63	0.96
Chiayi County	730	330	342	52	6	-	-	45.21	46.85	7.12	0.82
Pingtung County	1 095	592	335	152	16	-	-	54.06	30.59	13.88	1.46
Taitung County	365	357	8	-	-	-	-	97.81	2.19	-	-
Hualien County	365	343	20	2	-	-	-	93.97	5.48	0.55	-
Penghu County	365	238	108	16	3	-	-	65.21	29.59	4.38	0.82
Keelung City	365	279	79	7	-	-	-	76.44	21.64	1.92	-
Hsinchu City	365	268	90	7	-	-	-	73.42	24.66	1.92	-
Chiayi City	365	166	153	42	4	-	-	45.48	41.92	11.51	1.10
Kinmen & Lienchiang Area											
Kinmen County	365	162	154	39	7	3	-	44.38	42.19	10.68	1.92
Lienchiang County	365	168	154	35	8	-	-	46.03	42.19	9.59	2.19

**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 stations from 1994, 57 stations from 1996 and 60 stations from 2012.

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

**Source:** Ministry of Environment

Table 28. Air quality index (continued)

Year	% of measurement days (%)		Measurement days with PSI>100 by maximum index pollutant (Station day)								
	Hazardous >=300		Total	Percentage (%)	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	
2001	-		703	3.40	259	-	-	-	444	-	
2006	-		863	4.16	352	-	-	-	511	-	
2011	-		285	1.38	88	-	-	-	197	-	
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 & District	% of measurement days (%)		Measurement days with AQI>100 by maximum index pollutant (Station day)								
	Very Unhealthy 201-300	Hazardous 301-500	Total	Percentage (%)	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	-	-	-
2018	0.04	-	3 503	16.01	1 733	-	1 744	24	-	2	-
2019	0.01	-	2 809	12.90	1 687	1	1 118	3	-	-	-
2020	0.05	-	2 207	10.05	1 586	-	619	2	-	-	-
2021	-	-	2 142	9.79	967	-	1 148	25	-	2	-
2022	0.01	-	1 397	6.38	843	1	545	6	-	2	-
Taiwan Area											
New Taipei City	-	-	76	2.31	69	-	3	4	-	-	-
Taipei City	-	-	26	1.43	23	-	3	-	-	-	-
Taoyuan City	-	-	43	2.95	35	-	8	-	-	-	-
Taichung City	-	-	73	4.00	51	-	22	-	-	-	-
Tainan City	-	-	143	9.81	63	-	80	-	-	-	-
Kaohsiung City	-	-	392	13.45	180	1	208	1	-	2	-
Yilan County	-	-	5	0.68	5	-	-	-	-	-	-
Hsinchu County	-	-	22	3.01	20	-	2	-	-	-	-
Miaoli County	-	-	21	2.91	16	-	5	-	-	-	-
Changhua County	-	-	40	5.48	17	-	22	1	-	-	-
Nantou County	-	-	87	11.93	70	-	17	-	-	-	-
Yunlin County	-	-	70	9.59	34	-	36	-	-	-	-
Chiayi County	-	-	58	7.95	23	-	35	-	-	-	-
Pingtung County	-	-	168	15.34	126	-	42	-	-	-	-
Taitung County	-	-	-	-	-	-	-	-	-	-	-
Hualien County	-	-	2	0.55	2	-	-	-	-	-	-
Penghu County	-	-	19	5.21	19	-	-	-	-	-	-
Keelung City	-	-	7	1.92	6	-	1	-	-	-	-
Hsinchu City	-	-	7	1.92	4	-	3	-	-	-	-
Chiayi City	-	-	46	12.60	17	-	29	-	-	-	-
Kinmen & Lienchiang Area											
Kinmen County	0.82	-	49	13.42	33	-	16	-	-	-	-
Lienchiang County	-	-	43	11.78	30	-	13	-	-	-	-