

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	-	
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 & 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
Taiwan Area											
New Taipei City	3 285	1 944	1 240	92	9	-	-	59.18	37.75	2.80	0.27
Taipei City	1 823	987	785	46	5	-	-	54.14	43.06	2.52	0.27
Taoyuan City	1 460	887	513	56	4	-	-	60.75	35.14	3.84	0.27
Taichung City	1 821	869	785	141	26	-	-	47.72	43.11	7.74	1.43
Tainan City	1 460	593	618	224	25	-	-	40.62	42.33	15.34	1.71
Kaohsiung City	2 915	1 005	1 293	563	54	-	-	34.48	44.36	19.31	1.85
Yilan County	730	642	88	-	-	-	-	87.95	12.05	-	-
Hsinchu County	730	449	237	38	6	-	-	61.51	32.47	5.21	0.82
Miaoli County	730	431	263	31	5	-	-	59.04	36.03	4.25	0.68
Changhua County	730	341	304	72	13	-	-	46.71	41.64	9.86	1.78
Nantou County	730	271	331	115	13	-	-	37.12	45.34	15.75	1.78
Yunlin County	730	273	326	114	17	-	-	37.40	44.66	15.62	2.33
Chiayi County	730	309	326	87	8	-	-	42.33	44.66	11.92	1.10
Pingtung County	1 093	577	345	156	15	-	-	52.79	31.56	14.27	1.37
Taitung County	365	341	23	1	-	-	-	93.42	6.30	0.27	-
Hualien County	365	327	38	-	-	-	-	89.59	10.41	-	-
Penghu County	365	201	151	13	-	-	-	55.07	41.37	3.56	-
Keelung City	365	265	98	2	-	-	-	72.60	26.85	0.55	-
Hsinchu City	365	209	136	18	2	-	-	57.26	37.26	4.93	0.55
Chiayi City	365	144	146	64	11	-	-	39.45	40.00	17.53	3.01
Kinmen & Lienchiang Area											
Kinmen County	365	139	175	48	3	-	-	38.08	47.95	13.15	0.82
Lienchiang County	365	125	195	39	6	-	-	34.25	53.42	10.68	1.64

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: 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	Percentage (%)	PM ₁₀	SO ₂	PM ₁₀ × SO ₂	CO	O ₃	NO ₂	
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	-	
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 & 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 ₃ (Maximum 8 hours average)	O ₃ (Maximum hourly value)	PM _{2.5}	PM ₁₀	CO	SO ₂	NO ₂
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	-
Taiwan Area											
New Taipei City	-	-	101	3.07	73	-	21	7	-	-	-
Taipei City	-	-	51	2.80	33	-	16	2	-	-	-
Taoyuan City	-	-	60	4.11	29	-	31	-	-	-	-
Taichung City	-	-	167	9.17	88	-	79	-	-	-	-
Tainan City	-	-	249	17.05	72	-	177	-	-	-	-
Kaohsiung City	-	-	617	21.17	270	-	344	2	-	1	-
Yilan County	-	-	-	-	-	-	-	-	-	-	-
Hsinchu County	-	-	44	6.03	32	-	12	-	-	-	-
Miaoli County	-	-	36	4.93	25	-	11	-	-	-	-
Changhua County	-	-	85	11.64	20	-	59	6	-	-	-
Nantou County	-	-	128	17.53	71	-	56	-	-	1	-
Yunlin County	-	-	131	17.95	36	-	91	4	-	-	-
Chiayi County	-	-	95	13.01	18	-	74	3	-	-	-
Pingtung County	-	-	171	15.65	109	-	62	-	-	-	-
Taitung County	-	-	1	0.27	1	-	-	-	-	-	-
Hualien County	-	-	-	-	-	-	-	-	-	-	-
Penghu County	-	-	13	3.56	11	-	2	-	-	-	-
Keelung City	-	-	2	0.55	1	-	-	1	-	-	-
Hsinchu City	-	-	20	5.48	13	-	7	-	-	-	-
Chiayi City	-	-	75	20.55	16	-	59	-	-	-	-
Kinmen & Lienchiang Area											
Kinmen County	-	-	51	13.97	23	-	28	-	-	-	-
Lienchiang County	-	-	45	12.33	26	-	19	-	-	-	-