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2023

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EXECUTIVE YUAN, REPUBLIC OF CHINA

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EXPLANATION OF SYMBOLS

Not yet published.....	...
Zero or not available.....	-
Meaningless.....	--
Less than a half unit.....	0
Revised figure.....	r
Preliminary estimate.....	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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1. Explanatory notes
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LAND AND CLIMATE

Table 1. Land, agricultural land and forest land areas

End of Year	Land area (Km ²)	Cultivated land (Ha.)							Forest land area (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	
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 & District	Land area (Km ²)	Agricultural land area (Ha.)								Forest land area (Ha.)
		Grand total	Cropland						Fallow	
			Total	Short-term cropland				Permanent cropland		
				Sub-total	Rice	Temporary crops, excluding rice	Short-term fallow			
2011	36 192.82	808 294	755 355	479 332	153 405	119 314	206 613	276 022	52 939	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
2018	36 197.07	790 680	743 879	478 724	169 789	80 626	228 308	265 155	46 801	2 197 090
2019	36 197.07	790 197	742 162	477 840	169 740	75 808	232 292	264 322	48 035	2 197 090
2020	36 197.07	790 079	740 443	479 186	159 891	78 432	240 863	261 257	49 636	2 200 153
2021	36 197.07	790 079	740 443	479 186	159 891	78 432	240 863	261 257	49 636	2 200 153
2022	36 197.07	779 826	726 870	472 233	157 126	79 419	235 687	254 637	52 956	2 200 153
2023	36 197.34	778 516	724 562	473 009	143 258	85 069	244 682	251 552	53 955	2 200 153
Taiwan Area										
New Taipei City	2 052.57	22 566	15 821	10 651	141	1 266	9 245	5 170	6 745	154 245
Taipei City	271.80	3 233	2 773	2 091	220	230	1 641	683	460	11 398
Taoyuan City	1 220.95	30 321	29 285	26 075	10 036	3 778	12 261	3 210	1 036	44 141
Taichung City	2 214.90	47 521	45 954	24 131	11 627	3 087	9 417	21 823	1 566	114 968
Tainan City	2 191.65	90 649	85 542	54 597	4 751	19 194	30 651	30 945	5 107	55 065
Kaohsiung City	2 952.12	46 997	45 953	25 229	4 852	3 582	16 795	20 724	1 044	172 088
Yilan County	2 143.63	26 096	23 492	21 295	11 128	2 167	8 000	2 196	2 604	167 823
Hsinchu County	1 427.54	27 267	25 180	20 876	4 514	685	15 677	4 304	2 087	102 028
Miaoli County	1 820.31	32 934	29 726	20 283	6 004	1 735	12 544	9 442	3 209	131 994
Changhua County	1 074.40	61 097	57 947	43 922	27 530	4 352	12 040	14 025	3 149	9 269
Nantou County	4 106.44	65 016	59 073	23 262	2 083	3 748	17 431	35 811	5 943	302 460
Yunlin County	1 290.83	79 499	78 160	63 191	27 203	17 071	18 917	14 969	1 340	10 944
Chiayi County	1 903.64	73 130	72 645	41 505	10 851	12 944	17 710	31 141	485	83 711
Pingtung County	2 775.60	70 693	67 360	32 091	6 057	5 520	20 513	35 270	3 333	163 352
Taitung County	3 515.25	47 707	40 263	27 985	6 221	1 271	20 493	12 278	7 444	294 541
Hualien County	4 628.57	41 474	37 540	29 320	8 745	3 844	16 732	8 220	3 933	359 288
Penghu County	126.86	5 555	1 414	932	-	301	632	482	4 141	4 474
Keelung City	132.76	739	725	538	-	9	529	186	15	8 893
Hsinchu City	104.15	2 215	2 079	1 931	603	35	1 293	148	137	2 453
Chiayi City	60.03	1 793	1 617	1 102	692	48	363	515	176	438
Kinmen & Lienchiang Area										
Kinmen County	151.66	2 013	2 013	2 002	-	201	1 800	12	-	5 309
Lienchiang County	28.80	-	-	-	-	-	-	-	-	1 271

Source: 1. Ministry of the Interior

2. Agriculture and Food Agency, Ministry of Agriculture

3. Forestry and Nature Conservation Agency, Ministry of Agriculture

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
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
2011	22.2	21.6	22.7	22.3	22.1	23.5	23.1	18.9	11.0	24.9	24.7
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
2018	23.2	23.0	23.9	23.4	23.4	24.2	24.0	19.5	11.7	25.9	25.8
2019	23.3	23.2	24.1	23.7	23.6	24.4	24.4	19.8	11.3	26.3	25.9
2020	23.5	23.2	24.2	23.8	23.5	24.5	24.4	20.0	11.4	26.4	26.0
2021	23.3	23.2	24.1	23.6	23.1	24.2	23.9	19.6	11.3	25.5	25.5
2022	22.9	22.6	23.5	23.1	22.9	23.9	24.0	19.6	11.5	24.7	25.7
2023	23.2	23.2	23.9	23.5	23.1	24.3	23.9	19.7	11.7	24.8	25.7

Source: Central Weather Administration

POPULATION AND HOUSING

Table 3. General situation of population

End of Year & District	No. of population (1,000 Persons)						Sex ratio (Female=100)	Depen- dency ratio (%)	House- holds (1,000 Households)	Mean size of house- holds (Persons/ households)	Popula- tion density (Persons per km ²)
	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
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
2011	23 225	11 646	11 579	3 502	17 195	2 528	100.6	35.1	8 058	2.9	641.7
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	2.8	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
2018	23 589	11 713	11 876	3 048	17 107	3 434	98.6	37.9	8 734	2.7	651.7
2019	23 603	11 705	11 898	3 010	16 986	3 607	98.4	39.0	8 833	2.7	652.1
2020	23 561	11 674	11 887	2 963	16 811	3 787	98.2	40.2	8 934	2.6	650.9
2021	23 375	11 579	11 797	2 890	16 546	3 939	98.2	41.3	9 007	2.6	645.8
2022	23 265	11 499	11 766	2 819	16 360	4 086	97.7	42.2	9 089	2.6	642.7
2023	23 420	11 553	11 867	2 793	16 330	4 297	97.4	43.4	9 241	2.5	647.0
Taiwan Area											
New Taipei City	4 041	1 965	2 076	457	2 856	728	94.7	41.5	1 671	2.4	1 968.8
Taipei City	2 512	1 187	1 325	310	1 649	553	89.6	52.4	1 065	2.4	9 241.7
Taoyuan City	2 317	1 143	1 175	319	1 650	349	97.3	40.5	903	2.6	1 898.1
Taichung City	2 846	1 392	1 454	378	2 019	449	95.7	41.0	1 060	2.7	1 284.9
Tainan City	1 860	923	937	212	1 299	349	98.5	43.2	727	2.6	848.7
Kaohsiung City	2 738	1 343	1 395	306	1 909	523	96.3	43.4	1 151	2.4	927.5
Yilan County	450	226	224	51	313	87	100.8	43.9	179	2.5	209.9
Hsinchu County	589	300	289	91	416	83	103.7	41.8	221	2.7	412.8
Miaoli County	535	275	260	61	373	101	105.9	43.4	200	2.7	293.7
Changhua County	1 239	628	611	148	860	231	102.8	44.1	406	3.1	1 153.3
Nantou County	477	243	234	49	329	99	103.8	45.0	181	2.6	116.2
Yunlin County	659	340	319	69	455	136	106.5	45.0	247	2.7	510.9
Chiayi County	485	251	234	41	335	108	107.3	44.6	186	2.6	254.5
Pingtung County	795	403	392	80	555	160	102.8	43.2	298	2.7	286.4
Taitung County	212	108	104	23	147	41	104.2	43.6	85	2.5	60.2
Hualien County	317	160	158	36	219	63	101.2	44.9	129	2.5	68.6
Penghu County	108	55	53	11	77	20	105.1	40.3	43	2.5	849.3
Keelung City	362	180	182	35	254	73	98.9	42.6	159	2.3	2 728.7
Hsinchu City	456	225	231	72	317	67	97.4	44.2	179	2.6	4 382.8
Chiayi City	264	127	137	33	182	48	92.4	44.5	103	2.6	4 391.2
Kinmen & Lienchiang Area											
Kinmen County	144	72	73	12	107	25	98.5	34.1	44	3.3	950.5
Lienchiang County	14	8	6	1	11	2	135.6	33.4	4	3.8	487.5

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 & District	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
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
2011	196 627	101 943	94 684	8.48	152 915	93 810	59 105	6.59
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
2018	181 601	93 876	87 725	7.70	172 784	101 931	70 853	7.33
2019	177 767	92 237	85 530	7.53	176 296	103 720	72 576	7.47
2020	165 249	85 704	79 545	7.01	173 156	101 468	71 688	7.34
2021	153 820	79 513	74 307	6.55	183 732	106 877	76 855	7.83
2022	138 986	72 097	66 889	5.96	207 230	119 920	87 310	8.89
2023	135 571	70 227	65 344	5.81	205 368	118 854	86 514	8.80
Taiwan Area								
New Taipei City	18 463	9 444	9 019	4.59	29 958	17 503	12 455	7.46
Taipei City	16 027	8 251	7 776	6.42	20 357	11 144	9 213	8.15
Taoyuan City	17 910	9 227	8 683	7.79	16 103	9 654	6 449	7.00
Taichung City	17 035	8 973	8 062	6.02	20 784	12 044	8 740	7.34
Tainan City	9 351	4 873	4 478	5.04	17 928	10 155	7 773	9.66
Kaohsiung City	15 805	8 257	7 548	5.78	25 576	14 941	10 635	9.36
Yilan County	2 405	1 250	1 155	5.35	4 540	2 576	1 964	10.10
Hsinchu County	3 978	2 064	1 914	6.80	4 504	2 688	1 816	7.70
Miaoli County	2 296	1 215	1 081	4.29	6 014	3 570	2 444	11.24
Changhua County	9 808	5 058	4 750	7.90	12 361	7 090	5 271	9.95
Nantou County	2 417	1 255	1 162	5.05	5 535	3 189	2 346	11.57
Yunlin County	3 206	1 675	1 531	4.84	8 171	4 677	3 494	12.35
Chiayi County	2 360	1 236	1 124	4.85	6 302	3 593	2 709	12.96
Pingtung County	4 260	2 132	2 128	5.35	9 537	5 678	3 859	11.97
Taitung County	1 468	783	685	6.92	2 647	1 622	1 025	12.48
Hualien County	1 861	950	911	5.85	3 708	2 218	1 490	11.65
Penghu County	767	384	383	7.14	1 135	670	465	10.56
Keelung City	1 352	713	639	3.74	3 695	2 117	1 578	10.21
Hsinchu City	2 767	1 441	1 326	6.09	3 091	1 753	1 338	6.80
Chiayi City	1 211	611	600	4.60	2 373	1 348	1 025	9.01
Kinmen & Lienchiang Area								
Kinmen County	721	374	347	5.05	976	578	398	6.84
Lienchiang County	103	61	42	7.35	73	46	27	5.21

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 & District	Immigrants & emigrants (Persons)		Natural increase rates (0/00)	Social increase rates (0/00)	Marriages		Divorces	
	Immigrants	Emigrants			Couples (Pairs)	Crude marriage rates (0/00)	Couples (Pairs)	Crude divorce rates (0/00)
1966	680 765	661 991	31.58	1.54	95 897	7.49	4 915	0.38
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
2011	1 128 449	1 109 372	1.88	0.82	165 327	7.13	57 008	2.46
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
2018	984 815	975 927	0.37	0.38	135 403	5.74	54 443	2.31
2019	972 043	959 325	0.06	0.54	134 524	5.70	54 473	2.31
2020	946 251	980 229	-0.34	-1.44	121 702	5.16	51 680	2.19
2021	920 703	1 076 713	-1.27	-6.65	114 606	4.88	47 887	2.04
2022	1 086 712	1 129 142	-2.93	-1.82	124 997	5.36	50 609	2.17
2023	1 126 548	900 949	-2.99	9.66	125 192	5.36	53 085	2.27
Taiwan Area								
New Taipei City	210 461	153 397	-2.86	14.20	21 800	5.43	9 367	2.33
Taipei City	164 913	129 378	-1.73	14.24	13 685	5.48	5 037	2.02
Taoyuan City	122 067	87 893	0.79	14.86	13 472	5.86	6 124	2.66
Taichung City	147 731	112 532	-1.32	12.44	16 544	5.85	6 651	2.35
Tainan City	78 460	62 934	-4.62	8.36	9 526	5.13	3 870	2.08
Kaohsiung City	126 931	107 356	-3.58	7.16	14 798	5.41	6 233	2.28
Yilan County	21 822	18 859	-4.75	6.59	2 267	5.04	998	2.22
Hsinchu County	28 273	18 961	-0.90	15.92	3 318	5.67	1 386	2.37
Miaoli County	19 739	16 578	-6.95	5.91	2 816	5.26	1 332	2.49
Changhua County	35 425	39 063	-2.06	-2.93	5 855	4.71	2 327	1.87
Nantou County	15 215	14 598	-6.52	1.29	2 257	4.72	1 087	2.27
Yunlin County	20 067	19 726	-7.50	0.52	3 044	4.60	1 277	1.93
Chiayi County	15 127	14 783	-8.11	0.71	2 158	4.44	978	2.01
Pingtung County	28 386	26 815	-6.62	1.97	4 015	5.04	1 864	2.34
Taitung County	7 549	7 377	-5.56	0.81	1 034	4.88	590	2.78
Hualien County	14 299	13 855	-5.80	1.40	1 746	5.49	952	2.99
Penghu County	5 957	5 073	-3.42	8.22	556	5.17	316	2.94
Keelung City	19 073	16 001	-6.47	8.49	1 814	5.01	928	2.56
Hsinchu City	22 755	18 429	-0.71	9.52	2 552	5.62	949	2.09
Chiayi City	11 497	9 675	-4.41	6.92	1 265	4.81	568	2.16
Kinmen & Lienchiang Area								
Kinmen County	9 565	6 456	-1.79	21.78	598	4.19	218	1.53
Lienchiang County	1 236	1 210	2.14	1.86	72	5.14	33	2.36

Table 5. Fertility rates of childbearing age women

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Year & District	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
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
2011	32	1 065	4	23	66	81	34	5	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
2018	31	1 060	4	20	55	80	44	9	0
2019	30	1 050	4	20	53	79	44	9	1
2020	28	990	4	19	48	74	43	9	1
2021	28	975	3	18	47	74	43	9	1
2022	25	870	3	16	41	64	40	9	1
2023	25	865	3	16	41	63	40	9	1
Taiwan Area									
New Taipei City	19	665	2	10	28	51	33	8	1
Taipei City	28	970	1	8	33	77	58	15	2
Taoyuan City	31	1 060	3	19	54	80	45	10	1
Taichung City	24	835	2	15	41	63	37	8	1
Tainan City	22	760	2	14	36	55	36	8	1
Kaohsiung City	25	875	3	16	42	64	40	9	1
Yilan County	24	825	6	22	43	57	30	7	0
Hsinchu County	28	1 015	4	19	48	76	46	9	1
Miaoli County	19	665	4	16	38	46	24	5	0
Changhua County	34	1 155	3	22	62	86	47	10	1
Nantou County	23	815	7	22	43	53	29	8	1
Yunlin County	22	790	4	20	44	54	30	6	0
Chiayi County	23	790	3	19	45	52	33	6	0
Pingtung County	24	850	5	25	45	53	33	8	1
Taitung County	32	1 120	8	32	62	72	41	8	1
Hualien County	26	920	8	30	53	54	32	7	0
Penghu County	30	1 020	1	25	57	68	43	10	0
Keelung City	17	585	4	13	28	38	29	5	0
Hsinchu City	25	900	1	12	41	73	43	9	1
Chiayi City	19	690	2	12	32	51	34	6	1
Kinmen & Lienchiang Area									
Kinmen County	21	665	3	11	26	51	33	9	0
Lienchiang County	33	1 015	-	10	43	81	61	8	-

Source: Ministry of the Interior

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

Year	Life expectancy (1) (Years)		Infant mortality rates (2)	Maternal mortality rates (3)	All ages			0			1-4		
	Male	Female			Both sexes	Male	Female	Both sexes	Male	Female	Both 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
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	*	5.72	6.96	4.43	6.33	6.85	5.76	0.46	0.53	0.38
2011	75.96	82.63	4.2	*	6.61	8.07	5.13	5.05	5.30	4.79	0.30	0.31	0.28
2014	76.72	83.19	3.6	*	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	11.3	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	77.28	83.70	4.0	*	7.30	8.70	5.92	4.09	4.20	3.96	0.17	0.17	0.16
2018	77.55	84.05	4.2	11.6	7.32	8.70	5.96	4.26	4.55	3.95	0.20	0.21	0.20
2019	77.69	84.23	3.8	15.4	7.44	8.81	6.09	3.98	4.32	3.62	0.18	0.21	0.16
2020	78.11	84.75	3.6	13.0	7.34	8.68	6.02	3.61	3.95	3.24	0.17	0.18	0.16
2021	77.67	84.25	4.1	14.0	7.86	9.23	6.51	4.27	4.59	3.92	0.18	0.20	0.15
2022	76.63	83.28	4.4	*	8.92	10.43	7.45	4.40	4.68	4.10	0.19	0.21	0.16
2023	76.94	83.74	4.3	*	8.79	10.31	7.31	4.44	4.91	3.93	0.20	0.23	0.17

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
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
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
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
2018	0.10	0.11	0.10	0.14	0.18	0.10	0.31	0.42	0.19	0.43	0.59	0.25
2019	0.10	0.11	0.09	0.12	0.11	0.13	0.37	0.50	0.24	0.46	0.62	0.28
2020	0.09	0.09	0.08	0.12	0.13	0.10	0.36	0.48	0.22	0.47	0.62	0.31
2021	0.08	0.08	0.09	0.14	0.14	0.13	0.36	0.47	0.23	0.52	0.67	0.36
2022	0.10	0.11	0.08	0.12	0.12	0.11	0.37	0.49	0.24	0.50	0.66	0.33
2023	0.11	0.12	0.09	0.15	0.17	0.13	0.37	0.44	0.28	0.51	0.66	0.34

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.

: because it is a small sample that the number of death is less than 20, the death rate is unreliable, so it is represented by "" in the table.

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
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
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
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
2018	0.49	0.67	0.30	0.74	0.99	0.48	1.19	1.66	0.73	1.97	2.87	1.09
2019	0.47	0.63	0.30	0.72	0.97	0.47	1.13	1.60	0.68	1.89	2.80	1.00
2020	0.49	0.63	0.34	0.64	0.81	0.47	1.07	1.48	0.66	1.79	2.59	1.02
2021	0.50	0.66	0.33	0.68	0.89	0.45	1.05	1.43	0.66	1.84	2.66	1.05
2022	0.54	0.70	0.37	0.70	0.97	0.41	1.09	1.53	0.65	1.82	2.62	1.05
2023	0.55	0.71	0.38	0.65	0.86	0.44	1.07	1.45	0.68	1.81	2.59	1.06

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
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
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
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
2018	2.99	4.36	1.67	4.35	6.33	2.43	6.08	8.69	3.58	8.39	11.80	5.19
2019	3.02	4.44	1.65	4.35	6.34	2.41	6.05	8.82	3.39	8.36	11.79	5.16
2020	2.80	4.06	1.58	4.28	6.22	2.40	5.78	8.33	3.33	8.15	11.60	4.91
2021	2.89	4.18	1.66	4.29	6.27	2.37	5.90	8.63	3.29	8.32	11.90	4.97
2022	3.01	4.40	1.68	4.44	6.43	2.52	6.38	9.31	3.58	8.84	12.73	5.21
2023	2.91	4.30	1.58	4.56	6.65	2.57	6.29	9.19	3.54	8.89	12.92	5.15

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	-	-	-	-	-	-
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
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
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
2018	12.19	16.60	8.18	19.94	26.46	14.27	33.90	43.76	26.03	60.57	74.99	50.08
2019	12.01	16.66	7.79	19.29	25.60	13.79	32.64	41.75	25.34	58.58	72.78	48.40
2020	11.57	16.17	7.41	17.79	23.74	12.61	31.98	41.45	24.37	55.58	69.26	45.81
2021	11.96	16.89	7.50	18.92	25.34	13.33	32.84	42.17	25.34	57.63	71.60	47.64
2022	12.76	18.00	8.02	20.56	27.78	14.28	35.67	46.69	26.80	64.69	81.37	52.74
2023	12.56	17.61	8.01	19.90	27.18	13.61	33.65	44.25	25.09	60.85	76.85	49.38
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				-	-	-						
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
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
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
2018	105.94	123.01	91.88	168.11	182.84	155.54	254.89	255.92	254.11	338.41	313.27	359.21
2019	105.04	122.17	91.86	172.11	186.49	160.05	254.68	258.64	251.70	318.09	305.47	328.23
2020	100.14	119.16	86.49	164.46	181.83	150.31	242.34	246.29	239.34	319.33	286.76	345.23
2021	103.29	123.89	89.38	173.69	190.85	160.27	260.81	264.33	258.12	332.07	300.30	357.31
2022	117.80	142.33	102.03	205.37	227.10	189.32	312.52	328.34	300.67	403.40	369.65	430.55
2023	110.84	133.42	96.77	192.71	218.89	174.77	297.97	318.41	283.02	387.09	367.40	402.53

MANPOWER

Table 7. Indicators of labor force status

1,000 Persons

Year & District	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. 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. 2011	23 077	19 253	83.4	11 200	6 304	4 896	48.5	58.2	10 709	6 006
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
Ave. 2018	23 425	20 129	85.9	11 874	6 602	5 272	50.7	59.0	11 434	6 346
Ave. 2019	23 440	20 189	86.1	11 946	6 631	5 315	51.0	59.2	11 500	6 376
Ave. 2020	23 430	20 231	86.4	11 964	6 638	5 326	51.1	59.1	11 504	6 378
Ave. 2021	23 325	20 193	86.6	11 919	6 595	5 324	51.1	59.0	11 447	6 332
Ave. 2022	23 086	20 028	86.8	11 853	6 554	5 298	51.3	59.2	11 418	6 313
Ave. 2023	23 209	20 168	86.9	11 943	6 568	5 375	51.5	59.2	11 528	6 339
Taiwan Area										
New Taipei City	4 024	3 538	87.9	2 074	1 138	936	51.5	58.6	2 001	1 097
Taipei City	2 501	2 191	87.6	1 220	639	580	48.8	55.7	1 177	616
Taoyuan City	2 302	1 955	84.9	1 202	651	550	52.2	61.5	1 159	627
Taichung City	2 833	2 427	85.7	1 478	801	677	52.2	60.9	1 427	774
Tainan City	1 858	1 623	87.4	994	546	448	53.5	61.2	959	528
Kaohsiung City	2 735	2 387	87.3	1 405	759	646	51.4	58.9	1 357	735
Yilan County	450	392	87.1	228	129	99	50.8	58.3	220	125
Hsinchu County	586	489	83.5	289	170	119	49.3	59.1	279	162
Miaoli County	535	467	87.3	279	159	121	52.3	59.9	270	153
Changhua County	1 243	1 083	87.1	648	373	274	52.1	59.8	625	360
Nantou County	478	422	88.1	254	146	108	53.0	60.1	245	141
Yunlin County	662	585	88.4	344	200	144	52.0	58.9	333	194
Chiayi County	486	439	90.2	259	152	107	53.2	59.0	250	147
Pingtung County	797	697	87.4	418	237	182	52.5	60.0	404	229
Taitung County	212	183	86.1	109	61	48	51.4	59.7	105	58
Hualien County	318	273	85.7	158	87	71	49.7	58.0	153	84
Penghu County	107	91	84.5	51	28	23	47.4	56.1	49	27
Keelung City	362	323	89.1	182	101	82	50.4	56.5	176	97
Hsinchu City	455	377	83.0	223	123	100	49.1	59.2	216	118
Chiayi City	264	227	86.3	127	68	59	48.2	55.9	123	65
Kinmen & Lienchiang Area										
Kinmen County	143	53	36.9	30	17	13	21.1	57.1	30	17
Lienchiang County	14	5	38.3	4	2	2	28.2	73.6	4	2

Note: The figures of the annual average do not include Kinmen County and Lienchiang County.

Source: 1. Directorate-General of Budget, Accounting and Statistics, Executive Yuan

2. Kinmen County Government

3. Lienchiang County Government

Table 7. Indicators of labor force status (continued)

1,000 Persons

Year & District	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. 2021=100)	Numbers	Female	Unemployment rates (%)		Female
	Female									
Ave. 1952	-	34.8	64.5	95.5	-	137	-	4.5	1 455	-
Ave. 1981	2 224	37.1	57.0	98.6	58.3	92	37	1.4	4 934	3 572
Ave. 1991	3 165	41.3	58.2	98.5	73.7	130	49	1.5	5 927	4 026
Ave. 2001	3 830	42.1	54.6	95.4	82.0	450	148	4.6	7 347	4 651
Ave. 2011	4 702	46.4	55.6	95.6	93.6	491	194	4.4	8 053	4 901
Ave. 2014	4 913	47.6	56.2	96.0	96.8	457	182	4.0	8 170	4 966
Ave. 2015	4 964	48.0	56.4	96.2	97.8	440	177	3.8	8 204	4 991
Ave. 2016	5 000	48.2	56.4	96.1	98.4	460	185	3.9	8 235	5 022
Ave. 2017	5 047	48.5	56.6	96.2	99.2	443	180	3.8	8 254	5 038
Ave. 2018	5 089	48.8	56.8	96.3	99.9	440	184	3.7	8 254	5 037
Ave. 2019	5 124	49.1	57.0	96.3	100.5	446	191	3.7	8 243	5 026
Ave. 2020	5 126	49.1	56.9	96.2	100.5	460	200	3.9	8 267	5 034
Ave. 2021	5 115	49.1	56.7	96.1	100.0	471	209	4.0	8 274	5 016
Ave. 2022	5 105	49.5	57.0	96.3	99.7	434	193	3.7	8 175	4 968
Ave. 2023	5 188	49.7	57.2	96.5	100.7	415	186	3.5	8 225	4 997
Taiwan Area										
New Taipei City	905	49.7	56.6	96.5	100.8	73	31	3.5	1 464	904
Taipei City	561	47.1	53.7	96.5	95.2	43	19	3.5	971	584
Taoyuan City	532	50.4	59.3	96.5	103.1	42	18	3.5	753	459
Taichung City	653	50.4	58.8	96.5	102.7	52	24	3.5	949	584
Tainan City	432	51.6	59.1	96.5	101.9	34	16	3.5	629	381
Kaohsiung City	622	49.6	56.9	96.6	100.5	48	24	3.4	982	592
Yilan County	95	49.0	56.2	96.5	98.2	8	4	3.5	163	99
Hsinchu County	117	47.6	57.0	96.5	101.8	10	3	3.5	200	124
Miaoli County	116	50.4	57.8	96.5	102.3	10	4	3.5	187	109
Changhua County	265	50.3	57.7	96.5	100.2	23	9	3.5	435	266
Nantou County	104	51.2	58.1	96.5	101.7	9	4	3.5	168	103
Yunlin County	138	50.2	56.8	96.5	98.8	12	6	3.5	241	142
Chiayi County	103	51.3	56.9	96.5	98.8	9	4	3.5	180	107
Pingtung County	175	50.6	57.9	96.5	99.8	15	7	3.5	279	170
Taitung County	47	49.7	57.7	96.6	101.9	4	1	3.4	73	44
Hualien County	69	48.1	56.0	96.7	104.1	5	2	3.3	115	68
Penghu County	22	45.7	54.2	96.5	108.9	2	1	3.5	40	24
Keelung City	79	48.6	54.5	96.5	101.7	6	3	3.5	140	83
Hsinchu City	98	47.4	57.1	96.6	102.4	8	3	3.4	154	94
Chiayi City	57	46.5	53.9	96.5	100.8	4	2	3.5	100	61
Kinmen & Lienchiang Area										
Kinmen County	13	20.8	56.4	98.8	107.3	0	0	1.2	23	14
Lienchiang County	2	28.1	73.5	99.8	94.1	0	0	0.2	1	1

Table 8. Employed persons by industry

1,000 Persons

Year & District	Total	Agriculture, forestry, fishing & animal husbandry	Goods-producing industries					Services-providing industries		
			Mining & quarrying	Manufac- turing	Electricity & gas supply	Water supply & remediation activities	Construc- tion	Wholesale & retail trade	Accommo- dation & food service activities	Transporta- tion & 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. 2011	10 709	542	4	2 949	29	79	831	1 763	728	411
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
Ave. 2018	11 434	561	4	3 064	30	81	904	1 901	838	446
Ave. 2019	11 500	559	4	3 066	31	84	907	1 915	848	450
Ave. 2020	11 504	548	4	3 041	32	85	915	1 899	854	455
Ave. 2021	11 447	542	4	3 020	33	84	918	1 878	839	460
Ave. 2022	11 418	530	3	3 012	33	84	910	1 850	843	475
Ave. 2023	11 528	509	3	3 001	33	85	921	1 831	877	495
Taiwan Area										
New Taipei City	2 001	11	0	453	3	16	168	363	155	105
Taipei City	1 177	3	0	141	16	7	51	244	76	54
Taoyuan City	1 159	14	0	404	1	8	90	162	73	83
Taichung City	1 427	36	0	424	2	7	105	237	108	46
Tainan City	959	60	0	325	1	7	77	129	68	26
Kaohsiung City	1 357	43	0	372	5	11	109	219	112	61
Yilan County	220	11	0	39	0	2	28	34	24	10
Hsinchu County	279	7	0	125	0	2	19	28	18	8
Miaoli County	270	16	0	95	0	3	22	33	18	8
Changhua County	625	54	0	223	1	3	48	81	39	20
Nantou County	245	40	0	49	1	1	18	33	22	7
Yunlin County	333	66	0	73	0	3	34	44	23	8
Chiayi County	250	51	-	54	0	1	25	39	18	8
Pingtung County	404	60	1	70	0	3	51	55	41	12
Taitung County	105	16	0	5	0	1	13	16	13	3
Hualien County	153	13	0	14	0	2	17	23	19	7
Penghu County	49	3	-	4	0	1	6	8	6	2
Keelung City	176	1	0	31	1	1	15	31	14	18
Hsinchu City	216	-	-	77	0	2	16	31	19	5
Chiayi City	123	2	0	23	1	1	9	23	11	4
Kinmen & Lienchiang Area										
Kinmen County	30	1	-	2	1	1	3	4	3	2
Lienchiang County	4	0	-	0	0	0	0	0	0	0

Note: 1. The figures of the annual average do not include Kinmen County and Lienchiang County.

2. The data in the table are based on the 11th revised Statistical Classification of Industries from 2022.

Source: 1. Directorate-General of Budget, Accounting and Statistics, Executive Yuan

2. Kinmen County Government

3. Lienchiang County Government

Table 8. Employed persons by industry (continued)

1,000 Persons

Year & District	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. 2011	218	428	87	339	247	388	629	408	94	536
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
Ave. 2018	258	432	106	374	296	367	653	456	110	554
Ave. 2019	262	434	108	377	297	368	657	461	115	557
Ave. 2020	266	434	106	382	298	374	657	474	117	563
Ave. 2021	266	433	106	388	295	378	645	488	113	558
Ave. 2022	270	430	104	390	295	373	638	505	114	559
Ave. 2023	278	434	104	403	315	376	637	529	124	571
Taiwan Area										
New Taipei City	77	102	21	98	78	62	98	79	18	96
Taipei City	81	104	14	84	36	43	92	65	16	50
Taoyuan City	20	35	11	39	31	27	59	43	11	50
Taichung City	25	48	17	51	39	39	83	69	17	71
Tainan City	10	21	7	23	22	30	53	40	12	47
Kaohsiung City	25	44	12	33	39	42	72	69	13	76
Yilan County	3	5	1	5	5	10	13	13	3	14
Hsinchu County	4	5	3	7	10	5	14	9	2	13
Miaoli County	3	5	2	6	6	10	14	10	4	15
Changhua County	6	14	3	12	9	17	31	31	4	28
Nantou County	3	5	1	5	4	12	12	12	3	16
Yunlin County	3	6	2	6	4	11	16	14	3	17
Chiayi County	2	4	1	3	4	7	8	10	1	14
Pingtung County	4	8	2	7	8	17	17	20	6	22
Taitung County	1	2	0	2	2	9	7	7	2	6
Hualien County	2	4	1	4	4	9	10	12	2	9
Penghu County	1	1	0	1	1	6	3	2	1	2
Keelung City	6	9	2	7	6	7	10	7	1	10
Hsinchu City	3	7	2	8	6	6	16	7	3	9
Chiayi City	2	5	1	4	2	7	10	11	1	7
Kinmen & Lienchiang Area										
Kinmen County	0	1	0	1	1	4	2	2	1	1
Lienchiang County	0	0	-	0	0	1	0	0	0	0

Table 9. Unemployment rates by educational attainment and age

Year & District	Both sexes	Male	Female	Educational attainment						%
				Primary school & below	Junior high school	Senior high school (regular & vocational)	Junior college	University	Graduate school	
Ave. 1978	1.7	1.6	1.9	0.6	2.3	3.7	3.7	2.5		
Ave. 1981	1.4	1.2	1.7	0.5	1.7	2.3	2.6	1.9		
Ave. 1991	1.5	1.5	1.5	0.6	1.6	2.1	2.2	1.8		
Ave. 2001	4.6	3.4	2.4	3.6	5.8	4.9	4.0	3.3		
Ave. 2011	4.4	4.7	4.0	2.5	4.4	4.7	3.4	5.8	3.0	
Ave. 2014	4.0	4.3	3.6	2.0	3.9	3.8	3.1	5.6	3.0	
Ave. 2015	3.8	4.1	3.4	1.8	3.3	3.8	2.8	5.3	2.9	
Ave. 2016	3.9	4.2	3.6	2.3	3.5	3.9	2.9	5.4	3.0	
Ave. 2017	3.8	4.0	3.5	2.2	3.3	3.7	2.8	5.2	2.8	
Ave. 2018	3.7	3.9	3.5	2.4	3.3	3.6	2.7	5.1	2.9	
Ave. 2019	3.7	3.9	3.6	2.3	3.2	3.5	2.7	5.3	2.9	
Ave. 2020	3.9	3.9	3.8	2.0	3.3	3.6	2.8	5.5	3.1	
Ave. 2021	4.0	4.0	3.9	2.0	3.4	3.8	2.8	5.5	2.9	
Ave. 2022	3.7	3.7	3.6	1.7	2.9	3.3	2.6	5.2	2.8	
Ave. 2023	3.5	3.5	3.5	1.3	2.8	3.2	2.6	4.8	2.7	
Taiwan Area										
New Taipei City	3.5	3.6	3.4	1.6	3.7	3.6	2.6	4.2	2.6	
Taipei City	3.5	3.6	3.3	-	2.1	3.6	3.0	4.3	2.1	
Taoyuan City	3.5	3.7	3.3	2.7	4.4	3.2	2.2	4.5	2.7	
Taichung City	3.5	3.4	3.6	0.7	2.6	3.3	2.0	4.8	3.0	
Tainan City	3.5	3.3	3.6	1.8	2.3	2.9	3.1	5.6	2.0	
Kaohsiung City	3.4	3.2	3.7	2.0	3.2	3.0	2.5	4.5	3.0	
Yilan County	3.5	3.2	4.0	1.3	3.7	3.5	3.0	3.8	4.7	
Hsinchu County	3.5	4.4	2.1	1.3	2.2	2.9	1.9	5.4	2.5	
Miaoli County	3.5	3.4	3.5	-	4.6	2.3	3.0	5.6	1.7	
Changhua County	3.5	3.7	3.3	1.7	2.7	3.7	2.3	5.0	2.6	
Nantou County	3.5	3.2	3.9	-	0.4	2.5	2.5	7.8	6.2	
Yunlin County	3.5	2.8	4.3	0.2	1.4	3.2	3.2	7.7	1.6	
Chiayi County	3.5	3.4	3.7	0.2	0.9	3.0	2.1	8.1	8.9	
Pingtung County	3.5	3.2	3.9	0.1	2.4	3.3	4.2	5.9	3.2	
Taitung County	3.4	4.3	2.3	0.5	3.4	4.9	0.4	4.7	4.8	
Hualien County	3.3	3.5	3.2	4.8	2.5	2.6	4.8	3.8	3.3	
Penghu County	3.5	2.7	4.5	6.6	1.4	2.6	2.7	6.9	-	
Keelung City	3.5	3.5	3.6	-	2.1	2.4	2.3	6.0	3.0	
Hsinchu City	3.4	3.9	2.8	-	0.7	3.3	2.5	3.9	4.0	
Chiayi City	3.5	3.8	3.2	19.6	4.5	1.9	1.6	4.7	2.5	
Kinmen & Lienchiang Area										
Kinmen County	1.2	1.1	1.4	1.1		2.5	0.1	0.5		
Lienchiang County	0.2	0.0	0.3	-		-	0.4	0.3		

Note: The figures of the annual average do not include Kinmen County and Lienchiang County.

Source: 1. Directorate-General of Budget, Accounting and Statistics, Executive Yuan

2. Kinmen County Government

3. Lienchiang County Government

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

Year & District	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. 2011	11.2	12.7	7.1	4.3	3.3	3.0	3.0	2.7	2.4	1.6	0.2
Ave. 2014	8.8	13.3	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	2.2	1.9	1.6	0.2
Ave. 2017	8.8	12.4	6.6	3.5	3.3	2.6	2.3	2.1	1.7	1.7	0.1
Ave. 2018	8.5	12.0	6.4	3.4	3.4	2.6	2.2	2.0	1.7	2.0	0.1
Ave. 2019	9.2	12.3	6.6	3.2	3.2	2.8	2.0	2.0	1.7	2.1	0.3
Ave. 2020	8.2	12.1	6.5	3.7	3.1	2.8	2.4	2.3	2.1	2.3	0.4
Ave. 2021	8.7	12.5	6.6	3.8	3.0	2.8	2.7	2.5	2.4	2.2	0.8
Ave. 2022	8.7	12.4	6.1	3.7	2.9	2.5	2.5	2.2	2.3	1.9	0.6
Ave. 2023	8.4	11.8	6.0	3.7	2.7	2.5	2.5	2.1	2.2	1.7	0.5
Taiwan Area											
New Taipei City	9.4	10.7	5.6	3.9	3.2	2.2	3.0	2.2	2.3	1.4	0.5
Taipei City	5.7	15.8	7.2	4.3	1.6	1.7	3.0	2.0	1.4	1.8	0.4
Taoyuan City	7.3	11.8	4.9	3.3	2.9	2.7	2.7	2.1	1.4	3.0	0.5
Taichung City	6.7	10.0	5.8	3.5	3.1	2.1	3.2	2.2	2.5	0.9	0.6
Tainan City	10.5	11.7	6.0	3.5	3.7	2.2	2.0	2.4	2.4	2.5	0.5
Kaohsiung City	6.7	10.9	6.6	2.9	2.2	3.5	2.4	1.7	2.6	1.6	0.5
Yilan County	7.2	10.9	6.3	2.6	2.0	2.2	1.6	2.2	4.0	2.9	1.0
Hsinchu County	-	12.2	4.1	4.1	0.9	3.5	1.1	2.5	2.8	6.6	1.4
Miaoli County	10.2	12.8	7.2	4.3	1.2	1.4	2.1	2.7	2.0	-	1.1
Changhua County	19.0	12.3	4.4	3.3	1.6	3.3	2.2	3.2	3.7	-	0.1
Nantou County	-	16.1	6.6	6.0	1.3	1.8	1.4	0.8	1.3	2.0	-
Yunlin County	12.1	13.6	8.5	3.9	2.7	3.4	1.6	0.8	0.2	-	0.5
Chiayi County	5.9	9.4	5.4	6.1	5.1	3.3	1.0	2.0	2.1	1.0	0.3
Pingtung County	13.8	14.5	7.1	3.9	2.0	2.3	1.5	1.9	0.7	1.9	0.2
Taitung County	5.8	8.9	7.6	3.3	2.6	1.7	3.3	0.7	3.9	2.3	0.4
Hualien County	17.6	7.1	3.5	3.9	6.8	3.2	0.9	-	0.9	4.9	4.6
Penghu County	14.5	11.3	7.6	2.9	1.6	2.0	2.1	1.1	4.9	0.0	-
Keelung City	-	11.1	7.0	2.0	4.0	3.9	1.3	2.9	1.3	1.7	0.3
Hsinchu City	-	10.4	7.2	4.2	2.7	2.4	1.4	2.8	2.0	0.7	2.0
Chiayi City	23.6	14.0	4.8	2.5	2.1	1.2	2.2	1.2	6.3	2.9	-
Kinmen & Lienchiang Area											
Kinmen County	-	5.8	2.9	-	-	1.7	0.6	2.2	1.3	-	-
Lienchiang County	-	-	0.7	0.3	0.5	0.2	-	-	0.2	-	-

Table 10. Average monthly total earnings per employee 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	9 915	14 751	9 556	19 157	10 800	10 764	12 186	11 488
Ave. 1991	26 875	31 446	20 794	25 362	28 671	24 430	58 395	29 916	28 193	29 032	26 435
Ave. 2001	41 952	46 995	35 623	39 011	44 068	38 420	97 399	46 002	37 746	44 796	39 775
Ave. 2011	45 963	50 487	40 572	44 824	53 978	44 603	95 382	45 828	42 716	46 885	42 562
Ave. 2014	47 744	52 046	42 646	47 269	54 093	47 455	94 111	44 919	43 251	48 116	43 119
Ave. 2015	48 956	53 328	43 779	48 928	57 198	49 374	96 595	44 357	43 346	48 977	43 747
Ave. 2016	49 257	53 530	44 177	49 332	55 425	49 969	94 453	43 216	42 839	49 200	43 614
Ave. 2017	50 634	54 986	45 459	50 899	55 339	51 853	94 764	44 170	42 506	50 434	45 568
Ave. 2018	52 468	57 110	46 954	53 380	56 967	54 567	96 230	45 074	43 645	51 785	47 132
Ave. 2019	53 551	58 403	47 942	54 597	58 510	55 816	96 389	45 403	44 833	52 807	48 594
Ave. 2020	54 278	59 168	48 609	55 282	58 585	56 538	94 761	44 913	45 622	53 569	49 087
Ave. 2021	56 127	61 615	49 821	58 900	58 076	60 545	94 111	44 532	47 468	54 164	48 507
Ave. 2022	58 042	63 676	51 611	61 408	60 857	63 324	96 077	45 191	48 545	55 669	49 404
Ave. 2023	58 420	63 607	52 474	60 832	61 765	62 492	96 596	46 328	49 477	56 744	51 159
Year	Services										
	Transportation & storage	Accommodation & food service activities	Information & communication	Financial & insurance activities	Real estate activities	Professional, scientific & technical activities	Support service activities	Education (excluding all levels of public & private schools)	Human health & social work activities	Arts, entertainment & recreation	Others
Ave. 1973	3 163	-	-	-	-	-	-	-	-	-	-
Ave. 1981	12 697	8 501	15 999	17 467	18 724	12 458	11 401	-	14 502	10 033	8 462
Ave. 1991	29 898	17 049	41 579	41 031	39 214	33 345	23 702	-	32 366	18 235	18 631
Ave. 2001	48 019	25 973	62 100	62 657	42 277	48 812	35 579	-	54 484	28 338	29 927
Ave. 2011	50 330	29 715	66 376	76 920	43 783	54 097	32 855	22 416	59 900	33 236	32 526
Ave. 2014	50 142	31 225	66 613	83 071	44 786	55 169	34 177	24 226	63 750	35 829	34 556
Ave. 2015	51 369	31 986	66 879	84 718	44 075	55 735	34 881	24 304	67 676	36 184	33 996
Ave. 2016	52 275	31 870	68 127	85 417	42 897	55 844	35 189	24 876	69 903	36 821	33 611
Ave. 2017	53 204	32 896	69 466	86 395	44 840	56 874	35 669	25 287	70 612	37 522	33 987
Ave. 2018	54 813	33 558	69 835	89 238	47 552	57 945	36 446	26 032	71 569	38 799	35 116
Ave. 2019	55 348	34 112	71 863	93 081	50 267	62 377	36 994	30 521	65 828	39 608	35 844
Ave. 2020	54 834	34 496	73 631	94 557	53 937	62 949	37 240	31 068	65 278	40 685	36 564
Ave. 2021	57 271	34 884	75 186	99 209	57 014	63 507	37 466	31 535	64 522	38 737	36 402
Ave. 2022	61 933	36 109	78 601	100 543	56 842	65 471	37 930	32 449	66 795	40 009	38 045
Ave. 2023	61 957	37 662	80 434	98 243	55 337	66 841	39 193	33 433	68 516	41 508	39 599

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

2. The data in the table are based on the 11th revised Statistical Classification of Industries from 2023.

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 students per teacher (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	35.73	704
1981	5 241	170 347	87 733	82 614	4 641 975	2 402 005	2 239 970	27.25	20 395
1991	6 787	219 788	97 702	122 086	5 323 715	2 709 473	2 614 242	24.22	56 533
2001	8 156	271 625	105 326	166 299	5 354 091	2 732 602	2 621 489	19.71	113 255
2011	8 100	271 523	103 360	168 163	4 860 022	2 515 663	2 344 359	17.90	166 308
2014	11 078	303 078	102 086	200 992	4 729 465	2 441 816	2 287 649	15.60	179 890
2015	10 948	299 917	100 142	199 775	4 616 078	2 380 564	2 235 514	15.39	187 484
2016	10 882	294 911	97 749	197 162	4 504 363	2 318 647	2 185 716	15.27	195 380
2017	10 884	293 554	95 942	197 612	4 403 690	2 265 250	2 138 440	15.00	204 101
2018	10 902	295 054	95 110	199 944	4 325 027	2 223 310	2 101 717	14.66	210 178
2019	10 931	297 070	94 328	202 742	4 260 337	2 189 788	2 070 549	14.34	216 940
2020	10 928	299 269	93 656	205 613	4 211 731	2 164 995	2 046 736	14.07	229 429
2021	10 964	300 633	92 997	207 636	4 171 630	2 144 224	2 027 406	13.88	240 568
2022	11 106	302 075	92 202	209 873	4 103 865	2 108 303	1 995 562	13.59	246 001
2023	11 123	303 963	91 333	212 630	4 042 175	2 076 070	1 966 105	13.30	...

Source: Ministry of Education

Table 12. Expenditure situation on education

I . Total educational expenditure

Fiscal Year	Amount (Thousand NT\$)				As a % of GNI (%)		
	Total	Public sector		Private sector	Total	Public sector	Private sector
		Public expenditures	Self-help funds				
1951	213 082	213 082	-	-	1.73	1.73	-
1981	74 112 578	60 262 157	-	13 850 421	4.45	3.61	0.83
1991	300 965 051	247 488 080	-	53 476 971	6.20	5.10	1.10
2001	590 444 164	406 886 944	32 526 330	151 030 890	5.73	4.26	1.47
2011	784 467 274	537 799 401	65 738 372	180 929 501	5.36	4.12	1.24
2014	842 839 405	564 144 138	67 341 376	211 353 891	5.05	3.78	1.27
2015	856 100 475	575 286 556	66 832 053	213 981 866	4.89	3.67	1.22
2016	872 451 924	590 263 123	65 879 625	216 309 176	4.85	3.64	1.20
2017	886 585 738	601 520 617	67 665 305	217 399 816	4.81	3.63	1.18
2018	907 015 244	614 799 693	70 820 059	221 395 492	4.83	3.65	1.18
2019	911 642 082	615 245 161	75 610 681	220 786 240	4.70	3.56	1.14
2020	942 178 617	648 450 490	78 288 082	215 440 045	4.60	3.55	1.05
2021	993 586 604	698 356 958	82 971 070	212 258 575	4.47	3.51	0.95
2022	1016 800 608	727 888 657	79 917 441	208 994 509	4.35	3.46	0.89
2023	1003 094 684	711 446 308	83 436 498	208 211 878	4.14	3.28	0.86

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.

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
2011	35 716 015	5.32	289 288 021	43.08	70 880 551	33 560 846	10.56	5.00
2013	47 807 343	6.80	302 449 368	43.01	106 711 092		15.18	
2014	48 866 832	6.93	302 419 974	42.89	106 365 069		15.09	
2015	51 833 721	7.25	304 021 318	42.53	109 065 920		15.26	
2016	55 626 294	7.72	304 841 439	42.31	109 779 660		15.24	
2017	58 653 492	8.01	307 867 393	42.05	111 283 948		15.20	
2018	61 535 723	8.32	308 043 563	41.67	113 733 569		15.38	
2019	64 335 444	8.72	305 664 773	41.44	110 102 019		14.93	
2020	65 216 602	8.78	308 759 049	41.57	108 799 669		14.65	
2021	65 235 045	8.75	312 235 037	41.87	108 010 778		14.48	
2022	66 076 885	8.75	316 169 034	41.87	110 555 306		14.64	
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
2011	5 719 453	0.85	232 111 633	34.57	212 960	0.03	3 991 822	0.59
2013	5 238 632	0.74	236 641 558	33.65	199 747	0.03	4 133 424	0.59
2014	5 361 641	0.76	237 844 409	33.73	-	-	4 218 629	0.60
2015	5 580 545	0.78	240 052 267	33.58	-	-	4 258 515	0.60
2016	5 655 651	0.79	240 307 166	33.36	-	-	4 211 512	0.58
2017	5 208 252	0.71	244 965 773	33.46	-	-	4 220 560	0.58
2018	5 303 440	0.72	246 333 544	33.32	-	-	4 336 738	0.59
2019	5 304 445	0.72	247 860 753	33.60	-	-	4 350 097	0.59
2020	5 459 182	0.74	250 115 743	33.68	-	-	4 351 542	0.59
2021	5 459 152	0.73	250 378 456	33.57	-	-	4 477 677	0.60
2022	5 325 085	0.71	252 527 322	33.44	-	-	4 551 789	0.60

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 & District	No. of schools (Schools)	No. of teachers		No. of staffs	No. of classes (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	-
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
2011	2 659	98 559	68 326	8 046	57 986	1 457 004	694 988	285 628	136 258
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	94 403	67 063	9 032	50 311	1 146 661	548 134	201 696	95 952
2018	2 631	95 670	68 256	9 099	50 767	1 158 551	555 227	198 563	94 951
2019	2 631	96 612	69 253	9 173	51 119	1 170 614	561 740	197 948	94 324
2020	2 631	96 966	69 618	9 290	51 171	1 173 866	564 504	191 419	91 689
2021	2 626	98 104	70 692	9 358	51 768	1 191 317	573 498	174 414	83 393
2022	2 626	100 197	72 551	9 437	52 776	1 222 575	588 920	182 340	87 711
2023	2 624	101 475	73 719	9 487	53 288	1 235 355	595 340	...	...
Taiwan Area									
New Taipei City	217	15 420	11 402	1 049	8 240	208 971	101 073	30 834	14 966
Taipei City	147	10 053	7 642	1 202	4 746	127 398	61 341	19 361	9 249
Taoyuan City	192	9 910	7 485	792	5 469	138 435	66 566	20 148	9 761
Taichung City	238	12 721	9 443	1 054	6 817	168 751	81 294	24 239	11 635
Tainan City	214	7 651	5 548	782	4 219	96 383	46 471	13 729	6 502
Kaohsiung City	239	10 148	7 346	979	5 561	134 605	64 824	19 571	9 390
Yilan County	76	2 210	1 438	236	1 126	22 523	10 771	3 424	1 643
Hsinchu County	87	3 203	2 536	330	1 719	40 410	19 687	5 715	2 697
Miaoli County	113	2 908	2 095	293	1 512	29 208	14 178	4 373	2 138
Changhua County	173	5 431	3 788	437	2 784	62 675	30 081	9 538	4 570
Nantou County	139	2 690	1 780	271	1 394	22 883	10 907	3 640	1 770
Yunlin County	157	3 414	2 284	348	1 703	30 604	14 762	4 746	2 322
Chiayi County	120	2 436	1 580	279	1 215	17 664	8 549	2 840	1 370
Pingtung County	165	3 590	2 350	399	1 852	35 817	17 136	5 341	2 568
Taitung County	88	1 572	1 007	237	759	9 944	4 741	1 632	799
Hualien County	103	1 925	1 293	267	969	15 595	7 459	2 385	1 109
Penghu County	37	679	434	27	291	3 632	1 692	533	261
Keelung City	39	1 396	994	152	714	16 303	7 951	2 341	1 136
Hsinchu City	34	2 373	2 004	193	1 300	34 035	16 448	4 896	2 360
Chiayi City	20	1 150	850	81	635	15 035	7 258	2 384	1 146
Kinmen & Lienchiang Area									
Kinmen County	19	499	357	73	218	3 988	1 918	587	276
Lienchiang County	7	96	63	6	45	496	233	83	43

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 & District	No. of schools (Schools)	No. of teachers		No. of staffs	No. of classes (Classes)	No. of students		No. of graduates	
			Female				Female		Female
1968	487	18 587	-	3 704	11 459	617 225	241 816	147 140	-
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
2011	742	51 200	34 896	6 509	27 639	873 226	418 411	309 159	148 878
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	46 770	32 329	6 565	23 761	653 273	311 308	224 751	108 168
2018	737	46 452	32 086	6 510	23 034	624 409	297 523	209 978	100 501
2019	739	46 599	32 090	6 410	22 523	607 980	290 747	204 470	98 895
2020	737	46 489	32 032	6 448	22 161	597 787	285 392	197 412	94 816
2021	734	46 080	31 719	6 379	21 883	586 914	280 786	196 231	94 362
2022	736	45 418	31 313	6 332	21 398	562 216	268 968	195 409	93 623
2023	735	45 117	31 129	6 280	21 056	546 296	262 173	...	...
Taiwan Area									
New Taipei City	61	5 906	4 203	584	3 236	85 762	41 272	30 266	14 486
Taipei City	59	4 737	3 424	918	2 260	62 419	29 941	21 937	10 597
Taoyuan City	57	5 063	3 587	613	2 156	58 718	28 191	20 829	9 910
Taichung City	70	5 442	3 755	637	2 775	73 448	35 118	26 193	12 754
Tainan City	60	3 263	2 289	442	1 576	42 710	20 570	15 437	7 383
Kaohsiung City	80	5 186	3 630	710	2 331	58 888	28 466	21 439	10 299
Yilan County	25	1 136	719	180	476	11 013	5 264	3 749	1 809
Hsinchu County	31	1 496	1 145	216	631	16 537	7 842	5 731	2 725
Miaoli County	30	1 160	787	154	516	12 557	5 994	4 542	2 159
Changhua County	38	2 284	1 498	289	1 054	27 965	13 289	10 112	4 810
Nantou County	32	1 170	750	211	451	10 602	5 090	3 826	1 830
Yunlin County	32	1 409	883	227	661	15 454	7 531	5 821	2 827
Chiayi County	24	872	570	131	368	8 216	3 834	3 075	1 465
Pingtung County	35	1 509	931	223	652	15 960	7 635	5 870	2 799
Taitung County	21	636	389	128	237	4 752	2 278	1 758	828
Hualien County	23	844	507	152	326	7 484	3 553	2 610	1 241
Penghu County	14	308	167	51	95	1 625	795	605	293
Keelung City	11	604	434	107	298	7 270	3 526	2 626	1 257
Hsinchu City	14	1 097	829	133	562	15 109	7 278	5 377	2 482
Chiayi City	8	681	461	93	294	7 760	3 709	2 921	1 356
Kinmen & Lienchiang Area									
Kinmen County	5	251	139	52	83	1 795	882	609	275
Lienchiang County	5	63	32	29	18	252	115	76	38

Table 14. Senior secondary schools

Persons

School Year & District	No. of schools (Schools)		No. of teachers		No. of staffs		No. of classes (Classes)				
	Sr. high school	Vocational school	Sr. high school	Vocational school	Sr. high school	Vocational school	General education	Comprehensive high school	Vocational education	Practical technical program	Continuing education
1946	132	76	1 914	1 314	859	764	-	-	-	-	-
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
2011	336	155	36 407	16 976	6 607	3 995	10 119	-	8 847	1 241	2 515
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	-	53 962	-	10 880	-	8 352	1 255	8 605	970	1 650
2018	513	-	52 963	-	10 772	-	8 289	1 101	8 328	944	1 522
2019	513	-	52 120	-	10 679	-	8 262	954	8 012	911	1 384
2020	513	-	51 359	-	10 525	-	8 251	851	7 748	901	1 275
2021	514	-	51 201	-	10 381	-	8 249	781	7 479	881	1 203
2022	509	-	50 727	-	10 258	-	8 254	747	7 240	843	1 124
2023	508	-	50 649	-	10 268	-	8 256	729	7 001	811	1 061
Taiwan Area											
New Taipei City	62	-	6 881	-	1 294	-	1 053	142	786	10	129
Taipei City	70	-	7 345	-	1 487	-	1 547	48	708	23	132
Taoyuan City	34	-	4 041	-	735	-	810	23	765	83	105
Taichung City	52	-	6 593	-	1 298	-	988	43	896	186	155
Tainan City	46	-	3 949	-	854	-	624	71	543	102	90
Kaohsiung City	53	-	5 590	-	1 017	-	970	40	873	104	114
Yilan County	12	-	1 088	-	245	-	162	30	140	22	27
Hsinchu County	10	-	909	-	178	-	144	29	143	24	24
Miaoli County	17	-	1 323	-	289	-	191	8	188	22	19
Changhua County	24	-	2 667	-	521	-	316	75	403	70	74
Nantou County	15	-	1 189	-	313	-	120	33	216	19	33
Yunlin County	22	-	1 525	-	343	-	214	22	195	39	12
Chiayi County	8	-	587	-	145	-	91	-	70	14	7
Pingtung County	19	-	1 598	-	336	-	255	24	213	18	30
Taitung County	10	-	583	-	180	-	27	63	96	6	12
Hualien County	13	-	856	-	228	-	116	26	159	1	22
Penghu County	2	-	217	-	57	-	31	-	55	3	-
Keelung City	12	-	964	-	212	-	151	9	127	5	17
Hsinchu City	12	-	1 441	-	243	-	241	16	200	14	33
Chiayi City	12	-	1 095	-	235	-	175	15	189	46	23
Kinmen & Lienchiang Area											
Kinmen County	2	-	175	-	48	-	30	-	36	-	3
Lienchiang County	1	-	33	-	10	-	-	12	-	-	-

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)

Persons

School Year & District	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
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
2011	401 958		366 449	48 018	82 763	128 502	109 863
2014	311 213	65 042	345 937	37 741	58 933	272 662	
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	33 041	41 606	241 288	
2018	300 692	38 118	290 769	31 079	36 124	231 022	
2019	289 979	31 521	262 054	28 451	30 786	202 221	
2020	284 363	27 441	244 492	26 627	26 822	191 909	
2021	280 473	24 679	231 352	25 004	24 121	178 519	
2022	279 177	22 881	222 031	23 162	20 855	171 481	
2023	278 796	22 038	215 948	22 210	18 639	...	
Taiwan Area							
New Taipei City	36 520	3 948	26 891	254	2 371	19 826	
Taipei City	53 653	1 648	21 986	456	2 982	25 035	
Taoyuan City	29 124	740	26 776	2 736	2 016	18 460	
Taichung City	36 378	1 380	31 493	5 596	3 166	24 327	
Tainan City	21 844	2 258	14 842	2 300	1 231	13 276	
Kaohsiung City	31 353	1 027	27 449	3 129	1 629	19 890	
Yilan County	5 164	880	3 434	422	308	3 296	
Hsinchu County	5 062	1 006	4 741	907	533	3 439	
Miaoli County	6 025	195	5 249	714	325	3 841	
Changhua County	10 231	2 596	12 599	2 035	1 123	9 293	
Nantou County	3 288	922	4 731	320	359	3 084	
Yunlin County	6 719	769	5 383	1 006	305	4 803	
Chiayi County	2 535	-	2 276	326	98	1 746	
Pingtung County	7 301	612	5 100	279	450	4 306	
Taitung County	506	1 650	2 058	121	129	1 300	
Hualien County	3 460	972	2 800	5	322	2 217	
Penghu County	693	-	971	26	-	559	
Keelung City	3 292	136	3 083	59	222	2 128	
Hsinchu City	8 810	552	7 432	378	731	5 380	
Chiayi City	5 899	478	5 876	1 141	298	4 725	
Kinmen & Lienchiang Area							
Kinmen County	939	-	778	-	41	483	
Lienchiang County	-	269	-	-	-	67	

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

Persons

School Year	No. of schools (Schools)				No. of graduate schools (Schools)	No. of staffs	
	Total	University	College	Junior college			Female
1946	4	1	3	-	-	906	-
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
2011	163	116	32	15	3 326	29 779	21 050
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
2018	153	127	14	12	3 569	31 523	22 617
2019	152	126	14	12	3 575	31 108	22 328
2020	152	126	14	12	3 564	31 355	22 430
2021	149	126	11	12	3 530	31 257	22 347
2022	148	126	10	12	3 523	31 137	22 199
2023	145	124	9	12	3 521	30 782	21 946

School Year	No. of departments (Departments)	No. of teachers (Including assistants) (1)		No. of students		No. of graduates	
			Female		Female		Female
1946	59	616	-	2 983	54	154	-
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
2011	4 857	50 332	17 252	1 352 084	668 717	315 564	161 406
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	304 919	158 856
2018	4 518	46 794	16 958	1 244 822	630 469	301 170	157 241
2019	4 429	46 137	16 751	1 213 172	613 981	284 662	148 744
2020	4 555	45 811	16 687	1 203 460	608 622	284 414	148 721
2021	4 460	45 119	16 499	1 185 830	598 666	283 661	147 335
2022	4 289	44 388	16 372	1 140 089	575 913	274 842	143 109
2023	4 153	43 307	16 056	1 094 829	553 416	...	...

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)

I . Summary of universities, colleges and junior colleges

Persons

District	No. of schools (Schools)	No. of teachers	No. of staffs	No. of students
2023	145	43 307	30 782	1 094 829
Taiwan Area				
New Taipei City	20	4 155	3 046	121 961
Taipei City	24	9 864	7 885	237 221
Taoyuan City	12	3 682	2 285	94 438
Taichung City	17	6 286	4 034	177 725
Tainan City	13	3 926	2 093	94 711
Kaohsiung City	15	4 808	3 503	124 633
Yilan County	3	457	349	9 876
Hsinchu County	2	326	263	10 596
Miaoli County	3	585	317	16 591
Changhua County	4	844	633	17 722
Nantou County	2	357	246	9 122
Yunlin County	3	887	595	23 049
Chiayi County	4	937	676	23 233
Pingtung County	5	1 204	790	30 157
Taitung County	2	271	272	5 807
Hualien County	4	899	780	16 622
Penghu County	1	137	90	2 702
Keelung City	3	604	436	13 813
Hsinchu City	5	2 424	2 058	49 073
Chiayi City	2	510	315	11 727
Kinmen & Lienchiang Area				
Kinmen County	1	144	116	4 050
Lienchiang County	-	-	-	-

Table 15. Higher Education (continued)

II. Number of students by fields of study

Persons

School Year & Types of Degree	Total	Education	Arts	Huma- nities	Lan- guages & litera- tures	Social & behav- ioral sciences	Journa- lism & library informa- tion	Business & admini- stration	Law	Life sciences	Physical sciences, chemistry & earth sciences
1991	612 376	26 511	10 815	35 426	22 104	9 650	131 272	6 907	-	16 428	
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	
2011	1 352 084	40 693	81 923	116 266	49 227	27 018	239 452	20 358	23 169	24 025	
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
2018	1 244 822	35 701	104 695	14 585	87 605	40 346	17 888	211 565	20 212	25 259	21 170
2019	1 213 172	35 466	102 243	14 231	84 808	40 221	17 272	205 368	20 106	24 533	21 218
2020	1 203 460	35 808	100 113	14 248	82 876	39 845	16 642	205 918	20 179	23 718	21 070
2021	1 185 830	35 775	97 438	14 183	80 427	40 422	16 549	201 574	20 176	23 339	21 603
2022	1 140 089	35 559	91 247	13 918	74 340	40 218	16 036	191 606	19 988	22 385	21 669
2023	1 094 829	35 831	86 001	13 622	68 919	39 768	14 523	180 415	19 677	21 562	21 816
Ph.D. program	28 504	2 572	1 179	894	1 269	1 408	142	3 004	408	1 561	1 681
M. A. program	176 703	14 024	11 163	3 330	6 660	10 687	2 068	30 922	6 609	3 500	4 807
Univ. & college	812 707	19 168	71 515	9 398	56 008	27 673	12 313	140 066	12 660	15 974	15 328
Total for Jr. college	76 915	67	2 144	-	4 982	-	-	6 423	-	527	-

School Year & Types of Degree	Mathe- matics & statistics	Information & communica- tion tech- nologies	Engineering & engineering trades	Manufac- turing & proce- ssing	Architec- ture & construc- tion	Agricul- ture, forestry & fisheries	Medicine & health	Social welfare	Hospita- lity, tourism & personal service	Transport services	Environ- ment
1991	-	27 608	215 505	8 670	17 188	56 006	-	-	7 015	-	
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	
2011	15 910	77 611	295 319	15 631	26 446	122 639	31 134	128 938	8 921	3 239	
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
2018	13 066	83 239	203 484	9 977	31 364	14 696	120 488	29 903	140 785	9 553	2 805
2019	12 867	80 364	201 516	9 733	30 234	14 857	119 067	29 634	130 394	9 544	2 639
2020	12 857	81 302	201 599	9 586	30 061	15 065	119 027	31 106	124 175	8 816	2 651
2021	12 911	83 563	201 570	9 217	30 406	15 025	118 835	31 421	113 137	8 564	2 615
2022	12 603	83 083	198 940	8 414	29 826	14 859	116 603	30 475	100 547	8 279	2 595
2023	12 342	81 831	197 134	7 738	28 879	14 506	113 170	30 252	89 090	8 099	2 618
Ph.D. program	203	1 515	6 608	153	879	583	3 607	129	239	95	133
M. A. program	1 824	14 614	40 349	1 061	5 392	2 282	7 719	2 523	4 646	929	850
Univ. & college	10 315	62 928	145 646	6 332	21 616	11 435	62 101	22 600	75 730	6 664	1 627
Total for Jr. college	-	2 774	4 531	192	992	206	39 743	5 000	8 475	411	8

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

Persons

School Year	Number of overseas compatriot Chinese students			University		National Defense Medical Center		NTNU Division of Preparatory Programs for Overseas Chinese Students		
	Total	Male	Female	Male	Female	Male	Female	Male	Female	
2009	13 941	7 082	6 859	5 675	5 553	42	30	763	697	
2010	14 610	7 476	7 134	6 164	5 911	42	33	735	643	
2011	15 151	7 821	7 330	6 789	6 404	42	33	447	339	
2012	16 266	8 468	7 798	7 401	6 813	40	34	511	424	
2013	18 068	9 393	8 675	8 229	7 637	43	37	619	504	
2014	21 437	11 265	10 172	9 878	8 863	47	34	655	593	
2015	24 649	12 953	11 696	11 550	10 232	49	39	464	526	
2016	26 973	14 126	12 847	12 472	11 146	49	49	434	416	
2017	28 308	14 766	13 542	12 919	11 624	54	54	277	311	
2018	28 805	14 841	13 964	12 370	11 542	57	67	238	259	
2019	28 743	14 757	13 986	11 606	11 086	51	73	251	258	
2020	30 502	15 503	14 999	11 925	11 628	50	75	310	290	
2021	33 489	17 060	16 429	13 014	12 607	48	70	378	405	
2022	35 373	18 016	17 357	13 744	13 308	51	62	475	557	
2023	37 497	19 125	18 372	13 696	13 213	44	60	440	522	
School Year	Junior college		Senior secondary schools				Junior high school		Primary school	
	Male	Female	Male		Female		Male	Female	Male	Female
			Sr. high school	Voca-tional school	Sr. high school	Voca-tional school				
2009	42	110	197	91	199	69	111	95	161	106
2010	28	81	174	86	178	61	92	99	155	128
2011	18	48	203	74	218	65	92	84	156	139
2012	15	40	180	66	183	68	65	88	190	148
2013	21	45	188	56	187	59	59	71	178	135
2014	26	38	347		363		103	105	209	176
2015	22	36	588		571		78	94	202	198
2016	19	41	832		928		122	110	198	157
2017	14	37	1 275		1 286		73	91	154	139
2018	10	32	1 919		1 812		77	87	170	165
2019	11	30	2 546		2 284		112	100	180	155
2020	9	28	2 852		2 665		108	98	249	215
2021	11	22	3 245		2 978		94	107	270	240
2022	41	46	3 367		3 065		104	106	234	213
2023	69	65	4 507		4 184		113	95	256	233

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

Table 17. Summary of R&D personnel

Persons, Person-years

Year	R&D personnel							R&D personnel indicators		
	Total	Researchers		Technicians		Supporting staff		Resear- chers per 1,000 population	Resear- chers per 1,000 labor force	Annual R&D expenditure per researcher (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
2006	212 483	126 168	25 820	67 715	17 828	18 600	10 889	5.5	12.0	2.43
2011	288 311	174 341	37 544	91 618	25 028	22 352	13 453	7.5	15.6	2.38
2012	296 288	179 491	39 038	94 863	25 989	21 934	12 501	7.7	15.8	2.42
2013	300 514	179 975	39 482	98 356	26 507	22 183	13 147	7.7	15.7	2.55
2014	307 379	181 589	40 066	103 408	27 329	22 382	12 877	7.7	15.7	2.67
2015	312 923	183 022	40 574	106 822	28 019	23 079	13 070	7.8	15.7	2.80
2016	316 467	184 898	41 300	108 755	29 016	22 814	12 886	7.9	15.8	2.93
2017	321 877	187 971	42 393	110 428	29 977	23 478	13 525	8.0	15.9	3.06
2018	330 579	193 035	43 654	114 145	31 668	23 399	13 342	8.2	16.3	3.19
2019	342 476	199 144	45 115	118 973	32 702	24 360	13 708	8.4	16.7	3.32
2020	350 857	203 970	46 672	121 539	33 152	25 348	14 244	8.7	17.0	3.52
2021	359 578	208 660	48 290	125 368	34 067	25 549	14 767	8.9	17.5	3.93
2022	368 492	213 126	50 454	129 050	35 533	26 316	15 233	9.2	18.0	4.21
Year	Researchers (Full time equivalent)									
	Total	By field of science and technology						By qualification		
		Natural sciences	Engi- neering & techno- logy	Medical sciences	Agricul- tural sciences	Humanities	Social 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
2006	95 176	15 327	62 759	6 611	3 239	2 058	5 182	16 792	49 545	28 839
2011	134 503	22 040	89 922	9 063	3 530	3 204	6 745	23 813	71 071	39 619
2012	139 763	22 944	93 486	9 541	3 496	3 187	7 109	24 978	73 858	40 927
2013	140 781	23 497	93 973	9 558	3 546	3 169	7 038	25 926	75 239	39 616
2014	142 458	23 725	95 369	9 877	3 380	3 203	6 905	26 077	76 900	39 482
2015	144 836	24 035	97 298	10 234	3 204	3 230	6 836	26 661	79 198	38 978
2016	147 141	24 162	99 600	10 338	3 125	3 122	6 794	26 884	81 447	38 810
2017	149 886	24 494	101 660	10 598	3 037	3 115	6 982	27 061	83 445	39 380
2018	153 998	24 617	105 136	11 109	3 152	3 045	6 939	27 096	85 892	41 010
2019	159 160	25 341	109 409	11 582	3 220	3 060	6 548	27 349	88 864	42 947
2020	163 536	26 112	112 328	12 190	3 277	2 994	6 636	27 870	91 256	44 410
2021	167 766	26 828	115 470	12 329	3 392	3 039	6 708	28 074	94 564	45 127
2022	171 618	27 136	118 423	12 652	3 469	3 156	6 782	28 185	96 708	46 725
Business enterprise	127 084	18 896	101 204	4 219	678	297	1 790	8 022	76 144	42 918
Government	15 429	2 887	7 672	2 413	1 438	307	712	5 240	8 361	1 828
Higher education	28 958	5 340	9 528	5 974	1 298	2 551	4 267	14 857	12 146	1 955
Private non-profit	147	14	18	45	55	2	14	67	56	24

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: National Science and Technology Council

Table 18. Summary of R&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	
2006	307 037	9.3	2.37	2.43	31.4	1.34	10.2	2.22	
2011	415 357	4.9	2.84	2.91	26.4	1.60	10.5	2.88	
2013	458 433	5.6	2.92	3.00	23.5	1.85	9.8	3.06	
2014	484 541	5.7	2.90	2.98	21.9	1.91	9.5	3.03	
2015	511 618	5.6	2.92	3.00	21.2	2.23	9.2	3.08	
2016	541 757	5.9	3.01	3.09	21.4	2.33	8.7	3.15	
2017	574 502	6.0	3.12	3.19	19.8	2.48	8.2	3.29	
2018	615 986	7.2	3.28	3.35	18.8	2.58	7.5	3.52	
2019	660 511	7.2	3.41	3.49	18.1	2.92	7.1	3.73	
2020	718 791	8.8	3.51	3.61	16.8	3.29	7.0	3.92	
2021	820 632	14.2	3.69	3.79	15.1	3.20	7.4	4.09	
2022	897 975	9.4	3.84	3.96	13.9	3.35	7.6	4.38	
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
2006	206 177	96 443	3 257	1 071	91	207 238	60 965	37 565	1 270
2011	300 741	109 467	4 002	656	491	301 477	61 679	50 790	1 410
2013	345 369	107 612	4 049	427	976	346 206	59 877	50 895	1 455
2014	373 177	105 915	4 032	410	1 008	373 019	59 606	50 308	1 608
2015	397 673	108 694	3 964	429	859	397 163	62 125	50 761	1 569
2016	420 639	115 722	3 953	451	991	419 989	69 252	50 904	1 612
2017	455 260	113 571	4 248	527	895	454 116	67 420	51 560	1 406
2018	494 932	115 749	4 159	384	763	494 706	65 740	54 758	781
2019	535 313	119 793	4 114	419	873	534 586	69 754	55 302	869
2020	592 916	120 606	4 080	392	797	593 355	68 692	55 830	915
2021	690 871	124 290	4 391	415	664	691 589	71 855	56 339	848
2022	766 811	125 059	4 773	425	907	767 758	71 228	58 046	942

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. National Science and Technology Council

2. Directorate-General of Budget, Accounting and Statistics

Table 18. Summary of R&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	-	-
2006	31 229	81 270	194 539	269 860	143 957	125 903	37 177	2 898	34 279	-	-
2011	43 716	98 807	272 834	379 035	216 458	162 578	36 322	2 639	33 682	-	-
2013	44 796	106 795	306 843	417 795	242 066	175 729	40 638	3 885	36 753	-	-
2014	45 838	111 762	326 941	441 944	263 519	178 425	42 597	5 047	37 551	-	-
2015	47 232	118 117	346 269	464 948	280 622	184 326	46 671	6 368	40 303	-	-
2016	47 025	124 012	370 720	492 964	294 964	198 000	48 793	5 900	39 941	1 531	1 420
2017	47 133	130 408	396 961	517 161	312 520	204 641	57 340	5 394	46 200	3 598	2 148
2018	45 933	140 419	429 634	555 930	336 797	219 133	60 056	3 267	51 003	3 813	1 974
2019	46 756	149 017	464 738	595 949	363 256	232 693	64 562	2 746	55 299	4 810	1 708
2020	50 525	156 088	512 178	651 387	402 860	248 527	67 404	2 797	56 136	6 372	2 099
2021	61 135	165 436	594 060	751 913	482 153	269 760	68 719	1 930	57 004	7 563	2 223
2022	68 509	175 428	654 038	824 166	518 572	305 594	73 808	3 101	59 933	8 193	2 581

Table 19. Number of patent applications and grant

Year	No. of patent applications					
	Total	Types			Residents & non-residents	
		Invention	Utility model	Design	Residents	Non-residents
1956	541	59	322	160	514	27
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
2001	67 860	33 392	25 370	9 098	40 210	27 650
2011	82 824	49 919	25 170	7 735	52 061	30 763
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
2018	73 421	47 429	17 910	8 082	39 278	34 143
2019	74 652	48 268	17 580	8 804	39 604	35 048
2020	72 238	46 664	17 555	8 019	39 404	32 834
2021	72 613	49 116	15 796	7 701	37 624	34 989
2022	72 059	50 242	14 662	7 155	36 480	35 579
2023	72 607	50 854	14 466	7 287	36 380	36 227
Year	No. of patent grant (1)					
	Total	Types			Residents & non-residents	
		Invention	Utility model	Design	Residents	Non-residents
1956	189	31	114	44	170	19
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
2001	53 789	24 429	21 212	8 148	32 310	21 479
2011	50 305	20 025	24 038	6 242	36 767	13 538
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
2018	62 193	36 147	18 559	7 487	35 824	26 369
2019	57 886	34 926	16 300	6 660	33 065	24 821
2020	58 719	33 811	17 489	7 419	33 682	25 037
2021	59 476	36 576	15 742	7 158	33 261	26 215
2022	58 014	37 175	14 212	6 627	31 929	26 085
2023	59 698	39 253	14 035	6 410	32 795	26 903

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					Cinema (3)	Radio & TV				
	Publishing industries	Newspaper & related publishing (1)	Periodical & magazine publishing (1)	Book publishing (1)(2)		Wireless radio & TV		Satellite broadcasting		
						Radio	TV	Direct satellite broadcasting service operator	Program supplier (4)	
									Domestic	Foreign
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	9 036	211	1 218	1 829	113	171	5	8	80	29
2013	8 884	215	1 247	1 878	108	171	5	7	84	30
2014	8 642	224	1 298	1 876	104	171	5	6	86	29
2015	8 386	232	1 284	1 869	107	171	5	6	93	30
2016	8 254	248	1 291	1 897	114	170	5	6	93	33
2017	8 156	253	1 307	1 909	116	171	5	5	92	30
2018	8 110	258	1 317	1 962	125	171	5	5	90	28
2019	7 994	264	1 281	1 968	130	171	5	5	87	27
2020	7 905	262	1 261	1 985	133	185	5	4	78	27
2021	7 847	263	1 230	2 041	132	186	5	4	72	27
2022	7 838	263	1 227	2 030	133	186	5	4	71	22
2023	...	...	...	...	...	186	5	4	70	23

End of Year	Radio & TV									
	Satellite broadcasting		Cable TV					Multimedia content platform service		
	Channels		Transmi- sion system	System operators	Subscribers	Digital service subscribers	Digital pay- channel subscribers	Numbers	Channels	Subscribers
	Domestic	Foreign								
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
2018	171	114	-	65	5 077 382	5 075 066	1 531 364	1	206	2 009 964
2019	165	110	-	64	4 974 839	4 974 688	1 549 020	1	205	2 081 891
2020	150	104	-	64	4 867 591	4 867 591	1 610 976	1	204	2 068 889
2021	140	97	-	64	4 740 062	4 740 062	1 623 259	1	197	2 061 371
2022	132	85	-	64	4 647 577	4 647 577	1 649 571	1	195	2 049 206
2023	131	89	-	64	4 516 586	4 516 586	1 614 216	1	191	2 055 435

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, Km²

End of Year & District	Medical institutions	Hospitals				Clinics			
		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	-	-	-	-	-	-	-	-
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
2011	21 135	507	0.22	45 809	71.39	20 628	8.88	1 126	1.75
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
2018	22 816	483	0.20	48 838	74.94	22 333	9.47	1 056	1.62
2019	22 992	480	0.20	49 173	75.41	22 512	9.54	1 048	1.61
2020	23 132	479	0.20	49 188	75.57	22 653	9.61	1 040	1.60
2021	23 278	478	0.20	48 902	75.73	22 800	9.75	1 025	1.59
2022	23 578	480	0.21	48 468	75.41	23 098	9.93	1 007	1.57
2023	23 896	476	0.20	49 203	76.04	23 420	10.00	1 000	1.55
Taiwan Area									
New Taipei City	3 522	52	0.13	77 714	39.47	3 470	8.59	1 165	0.59
Taipei City	3 887	37	0.15	67 889	7.35	3 850	15.33	652	0.07
Taoyuan City	1 786	34	0.15	68 160	35.91	1 752	7.56	1 323	0.70
Taichung City	3 687	65	0.23	43 783	34.08	3 622	12.73	786	0.61
Tainan City	2 038	34	0.18	54 704	64.46	2 004	10.77	928	1.09
Kaohsiung City	3 123	85	0.31	32 211	34.73	3 038	11.10	901	0.97
Yilan County	363	9	0.20	49 988	238.18	354	7.87	1 271	6.06
Hsinchu County	440	10	0.17	58 929	142.75	430	7.30	1 370	3.32
Miaoli County	391	15	0.28	35 638	121.35	376	7.03	1 422	4.84
Changhua County	1 063	30	0.24	41 302	35.81	1 033	8.34	1 199	1.04
Nantou County	419	10	0.21	47 709	410.64	409	8.57	1 166	10.04
Yunlin County	503	16	0.24	41 217	80.68	487	7.38	1 354	2.65
Chiayi County	272	4	0.08	121 140	475.91	268	5.53	1 808	7.10
Pingtung County	653	23	0.29	34 565	120.68	630	7.92	1 262	4.41
Taitung County	160	7	0.33	30 221	502.18	153	7.23	1 383	22.98
Hualien County	280	10	0.31	31 749	462.86	270	8.50	1 176	17.14
Penghu County	87	3	0.28	35 913	42.29	84	7.80	1 283	1.51
Keelung City	304	9	0.25	40 251	14.75	295	8.14	1 228	0.45
Hsinchu City	452	9	0.20	50 719	11.57	443	9.70	1 030	0.24
Chiayi City	402	12	0.46	21 965	5.00	390	14.80	676	0.15
Kinmen & Lienchiang Area									
Kinmen County	59	1	0.07	144 149	151.66	58	4.02	2 485	2.61
Lienchiang County	5	1	0.71	14 039	28.80	4	2.85	3 510	7.20

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 & District	Beds, Persons			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 ²
	Beds	Beds per 10,000 population	Population served per bed					
1954	2 876	3.29	3 042	10 414	11.90	6.31	1 584	0.29
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
2011	160 472	69.09	145	250 258	107.75	19.62	510	6.91
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
2018	167 521	71.02	141	312 887	132.64	23.04	434	8.64
2019	168 266	71.29	140	326 691	138.41	24.00	417	9.03
2020	169 780	72.06	139	337 942	143.43	24.76	404	9.34
2021	170 710	73.03	137	347 555	148.68	25.52	392	9.60
2022	172 095	73.97	135	354 101	152.21	26.11	383	9.78
2023	171 717	73.32	136	359 954	153.69	26.43	378	9.94
Taiwan Area								
New Taipei City	20 166	49.90	200	44 221	109.43	19.20	521	21.54
Taipei City	26 489	105.45	95	63 869	254.27	50.89	197	234.99
Taoyuan City	14 415	62.20	161	31 168	134.49	22.31	448	25.53
Taichung City	22 425	78.80	127	48 602	170.78	30.95	323	21.94
Tainan City	13 401	72.05	139	30 219	162.47	25.69	389	13.79
Kaohsiung City	22 325	81.54	123	46 780	170.86	30.57	327	15.85
Yilan County	3 742	83.18	120	6 673	148.33	18.98	527	3.11
Hsinchu County	3 552	60.28	166	6 808	115.53	15.54	643	4.77
Miaoli County	3 408	63.75	157	5 276	98.70	13.17	759	2.90
Changhua County	8 009	64.64	155	16 443	132.71	21.50	465	15.30
Nantou County	3 544	74.28	135	5 601	117.40	16.81	595	1.36
Yunlin County	4 062	61.60	162	7 515	113.96	16.70	599	5.82
Chiayi County	3 344	69.01	145	5 959	122.98	21.48	465	3.13
Pingtung County	6 101	76.74	130	10 858	136.58	17.90	559	3.91
Taitung County	1 539	72.75	137	2 949	139.40	18.44	542	0.84
Hualien County	4 379	137.93	73	6 365	200.48	31.69	316	1.38
Penghu County	550	51.05	196	893	82.89	11.88	842	7.04
Keelung City	2 940	81.16	123	4 469	123.37	23.27	430	33.66
Hsinchu City	2 899	63.51	157	7 621	166.95	25.46	393	73.17
Chiayi City	4 033	153.01	65	6 945	263.48	41.24	242	115.70
Kinmen & Lienchiang Area								
Kinmen County	342	23.73	421	598	41.48	6.66	1 502	3.94
Lienchiang County	52	37.04	270	122	86.90	11.40	877	4.24

Note: (1) Data includes personnel in hospitals, clinics and other medical care institutions. From 2018, about the other medical care institutions, their definitions are adjusted and their scope of statistics is expanded.

(2) Including doctors of Chinese medicine

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

End of Year & District	Persons											
	Total	Physicians	Doctors of Chinese medicine	Dentists	Pharmacists & assistant pharmacists	Medical technologists & technicians	Medical radiological technologists & technicians	Registered nurses & professional nurses	Midwives & registered professional midwives	Dental assistants	Dietitians	Physical therapists & therapy technicians, occupational therapists & therapy technicians
1954	10 414	3 978	1 545	709	989	-	-	1 265	1 742	186	-	-
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
2011	250 258	40 002	5 570	11 992	31 300	8 579	5 133	133 336	134	40	1 824	8 104
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
2018	312 887	47 471	6 880	14 718	34 838	9 698	6 629	167 803	179	33	3 061	12 065
2019	326 691	49 542	7 096	15 128	35 316	9 940	6 840	172 966	200	31	3 237	12 906
2020	337 942	51 045	7 302	15 429	35 734	10 179	7 074	178 498	192	29	3 405	9 073
2021	347 555	52 175	7 468	15 741	35 977	10 340	7 278	183 253	190	27	3 502	13 627
2022	354 101	53 063	7 671	15 996	36 336	10 400	7 434	185 778	201	27	3 588	14 121
2023	359 954	54 016	7 883	16 285	36 726	10 491	7 541	187 725	208	27	3 662	14 635
Taiwan Area												
New Taipei City	44 221	6 652	1 105	2 856	5 363	928	827	21 007	28	3	396	2 085
Taipei City	63 869	11 651	1 132	3 477	5 778	2 362	1 636	30 919	37	-	625	2 405
Taoyuan City	31 168	4 541	629	1 429	2 995	757	578	16 924	15	-	291	1 221
Taichung City	48 602	7 245	1 563	2 160	4 986	1 459	1 076	24 505	20	9	527	1 960
Tainan City	30 219	4 144	635	1 236	3 157	891	562	16 374	16	4	295	1 304
Kaohsiung City	46 780	7 398	971	1 991	4 868	1 329	860	24 596	20	1	402	1 829
Yilan County	6 673	760	94	194	551	163	146	4 048	3	-	75	290
Hsinchu County	6 808	797	119	298	714	228	139	3 612	3	-	99	344
Miaoli County	5 276	581	123	206	617	150	115	2 847	-	-	72	326
Changhua County	16 443	2 238	426	613	1 746	468	309	8 870	15	3	163	625
Nantou County	5 601	656	146	159	666	140	125	3 059	7	1	67	270
Yunlin County	7 515	938	163	174	904	219	135	4 288	8	-	104	260
Chiayi County	5 959	950	91	98	574	156	110	3 573	2	-	55	130
Pingtung County	10 858	1 249	174	255	1 163	310	226	6 577	7	2	126	387
Taitung County	2 949	332	58	77	237	92	71	1 796	1	-	38	101
Hualien County	6 365	900	106	151	463	188	139	3 746	9	-	72	256
Penghu County	893	123	5	37	75	35	26	474	1	-	10	77
Keelung City	4 469	760	83	217	454	111	84	2 319	-	2	55	185
Hsinchu City	7 621	1 027	135	382	691	251	181	3 999	5	1	97	261
Chiayi City	6 945	970	117	246	673	225	173	3 810	11	1	75	278
Kinmen & Lienchiang Area												
Kinmen County	598	88	8	20	42	22	19	319	-	-	14	36
Lienchiang County	122	16	-	9	9	7	4	63	-	-	4	5

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 & District & Sex	All causes of deaths		Leading causes of deaths								
			Malignant neoplasms		Diseases of heart (except hypertensive diseases)		Pneumonia		Cerebrovascular diseases		Diabetes mellitus
	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	3 922	49.0	10 516	131.5	3 902	48.8	-
1981	86 204	479.7	13 764	76.6	7 706	42.9	2 833	15.8	14 202	79.0	1 613
1991	104 461	510.7	19 630	96.0	12 026	58.8	2 644	12.9	14 137	69.1	4 210
2001	126 667	567.0	32 993	147.7	11 003	49.2	3 746	16.8	13 141	58.8	9 113
2011	152 030	655.5	42 559	183.5	16 513	71.2	9 047	39.0	10 823	46.7	9 081
2014	162 886	696.0	46 093	196.9	19 399	82.9	10 353	44.2	11 733	50.1	9 846
2015	163 574	697.2	46 829	199.6	19 202	81.8	10 761	45.9	11 169	47.6	9 530
2016	172 418	733.2	47 760	203.1	20 812	88.5	12 212	51.9	11 846	50.4	9 960
2017	171 857	729.6	48 037	203.9	20 644	87.6	12 480	53.0	11 755	49.9	9 845
2018	172 859	733.1	48 784	206.9	21 569	91.5	13 421	56.9	11 520	48.9	9 374
2019	175 424	743.4	50 232	212.9	19 859	84.2	15 185	64.4	12 176	51.6	9 996
2020	173 067	733.9	50 161	212.7	20 457	86.7	13 736	58.2	11 821	50.1	10 311
2021	184 172	784.8	51 656	220.1	21 852	93.1	13 549	57.7	12 182	51.9	11 450
2022	208 438	893.8	51 927	222.7	23 668	101.5	14 320	61.4	12 416	53.2	12 289
2023	205 575	880.7	53 126	227.6	23 424	100.3	16 702	71.6	12 371	53.0	11 625
By district											
Taiwan Area											
New Taipei City	30 004	746.7	8 196	204.0	4 036	100.4	2 263	56.3	1 728	43.0	1 562
Taipei City	20 555	823.4	5 325	213.3	3 014	120.7	1 667	66.8	1 147	45.9	830
Taoyuan City	16 112	700.7	3 795	165.0	2 255	98.1	983	42.7	892	38.8	469
Taichung City	20 839	736.3	5 718	202.0	1 681	59.4	1 630	57.6	1 199	42.4	1 550
Tainan City	17 958	967.3	4 860	261.8	1 716	92.4	1 472	79.3	1 183	63.7	1 165
Kaohsiung City	25 541	934.5	6 929	253.5	2 267	82.9	2 208	80.8	1 594	58.3	1 489
Yilan County	4 514	1 004.3	1 119	249.0	560	124.6	380	84.5	341	75.9	171
Hsinchu County	4 493	768.2	997	170.5	437	74.7	326	55.7	330	56.4	306
Miaoli County	5 990	1 119.9	1 401	261.9	652	121.9	444	83.0	428	80.0	465
Changhua County	12 331	992.7	3 088	248.6	1 234	99.3	1 272	102.4	681	54.8	649
Nantou County	5 564	1 163.2	1 297	271.1	543	113.5	583	121.9	303	63.3	338
Yunlin County	8 166	1 233.9	2 055	310.5	1 193	180.3	850	128.4	410	62.0	600
Chiayi County	6 295	1 294.3	1 639	337.0	713	146.6	527	108.4	382	78.5	384
Pingtung County	9 513	1 193.8	2 292	287.6	910	114.2	765	96.0	647	81.2	575
Taitung County	2 653	1 251.1	630	297.1	567	267.4	207	97.6	151	71.2	103
Hualien County	3 712	1 166.6	879	276.2	410	128.9	275	86.4	251	78.9	230
Penghu County	1 140	1 060.7	283	263.3	164	152.6	86	80.0	73	67.9	53
Keelung City	3 686	1 018.5	912	252.0	410	113.3	320	88.4	206	56.9	324
Hsinchu City	3 073	676.2	756	166.3	319	70.2	191	42.0	216	47.5	211
Chiayi City	2 380	904.1	649	246.5	214	81.3	167	63.4	142	53.9	112
Kinmen & Lienchiang Area											
Kinmen County	983	688.8	284	199.0	125	87.6	80	56.1	62	43.4	38
Lienchiang County	73	521.0	22	157.0	4	*	6	*	5	*	1
By sex											
Male	118 961	1,032.1	31 885	276.6	13 476	116.9	9 822	85.2	7 274	63.1	5 975
Female	86 614	733.0	21 241	179.8	9 948	84.2	6 880	58.2	5 097	43.1	5 650

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. Besides, the 2016 ICD-10 criteria for selection of cause of death was adopted from 2019, so the historical data in the table could not be directly compared with the data after 2018.

4. "": because it is a small sample that the number of death is less than 20, the death rate is unreliable, so it is represented by "" in the table.

Source: Ministry of Health and Welfare

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

Year & District & Sex	Persons										
	Leading causes of deaths										
	Diabetes mellitus	Accidents & adverse effects		Hypertensive diseases		Chronic lower respiratory diseases		Nephritis, nephrotic syndrome and nephrosis		Chronic liver disease and cirrhosis	
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	Crude death rates	
1952	-	-	-	-	-	-	-	2 904	36.3	621	7.8
1981	9.0	11 616	64.6	3 146	17.5	-	-	2 329	13.0	3 075	17.1
1991	20.6	13 636	66.7	2 492	12.2	-	-	2 527	12.4	3 601	17.6
2001	40.8	9 513	42.6	1 766	7.9	-	-	4 056	18.2	5 239	23.5
2011	39.2	6 726	29.0	4 631	20.0	5 984	25.8	4 368	18.8	5 153	22.2
2014	42.1	7 118	30.4	5 459	23.3	6 428	27.5	4 868	20.8	4 962	21.2
2015	40.6	7 033	30.0	5 536	23.6	6 383	27.2	4 762	20.3	4 688	20.0
2016	42.4	7 206	30.6	5 881	25.0	6 787	28.9	5 226	22.2	4 738	20.1
2017	41.8	6 965	29.6	6 072	25.8	6 260	26.6	5 381	22.8	4 554	19.3
2018	39.8	6 846	29.0	5 991	25.4	6 146	26.1	5 523	23.4	4 315	18.3
2019	42.4	6 640	28.1	6 255	26.5	6 301	26.7	5 049	21.4	4 240	18.0
2020	43.7	6 767	28.7	6 706	28.4	5 657	24.0	5 096	21.6	3 964	16.8
2021	48.8	6 775	28.9	7 886	33.6	6 238	26.6	5 470	23.3	4 065	17.3
2022	52.7	6 953	29.8	8 720	37.4	6 494	27.8	5 813	24.9	4 107	17.6
2023	49.8	7 063	30.3	8 930	38.3	6 164	26.4	5 814	24.9	3 813	16.3
By district											
Taiwan Area											
New Taipei City	38.9	799	19.9	1 056	26.3	1 149	28.6	861	21.4	473	11.8
Taipei City	33.2	426	17.1	833	33.4	805	32.2	567	22.7	249	10.0
Taoyuan City	20.4	577	25.1	411	17.9	254	11.0	389	16.9	260	11.3
Taichung City	54.8	784	27.7	938	33.1	548	19.4	701	24.8	391	13.8
Tainan City	62.8	632	34.0	801	43.1	468	25.2	494	26.6	319	17.2
Kaohsiung City	54.5	814	29.8	1 618	59.2	589	21.6	648	23.7	498	18.2
Yilan County	38.0	196	43.6	105	23.4	160	35.6	167	37.2	114	25.4
Hsinchu County	52.3	194	33.2	220	37.6	133	22.7	103	17.6	88	15.0
Miaoli County	86.9	236	44.1	289	54.0	227	42.4	166	31.0	151	28.2
Changhua County	52.2	519	41.8	444	35.7	355	28.6	395	31.8	212	17.1
Nantou County	70.7	243	50.8	316	66.1	229	47.9	196	41.0	144	30.1
Yunlin County	90.7	309	46.7	334	50.5	234	35.4	208	31.4	170	25.7
Chiayi County	79.0	261	53.7	247	50.8	214	44.0	182	37.4	134	27.6
Pingtung County	72.2	382	47.9	572	71.8	261	32.8	283	35.5	222	27.9
Taitung County	48.6	132	62.3	46	21.7	64	30.2	67	31.6	95	44.8
Hualien County	72.3	178	55.9	212	66.6	114	35.8	100	31.4	112	35.2
Penghu County	49.3	36	33.5	44	40.9	18	*	31	28.8	18	*
Keelung City	89.5	109	30.1	153	42.3	159	43.9	84	23.2	55	15.2
Hsinchu City	46.4	113	24.9	144	31.7	77	16.9	75	16.5	55	12.1
Chiayi City	42.5	81	30.8	110	41.8	87	33.0	74	28.1	42	16.0
Kinmen & Lienchiang Area											
Kinmen County	26.6	40	28.0	34	23.8	18	*	22	15.4	6	*
Lienchiang County	*	2	*	3	*	1	*	1	*	5	*
By sex											
Male	51.8	4 921	42.7	4 530	39.3	4 273	37.1	2 916	25.3	2 810	24.4
Female	47.8	2 142	18.1	4 400	37.2	1 891	16.0	2 898	24.5	1 003	8.5

Table 24. Number of confirmed cases of notifiable diseases

Year & District	Persons									
	Dengue fever	Acute flaccid paralysis	Shigello-sis	Amoebia-sis	Acute hepatitis	Tuberculo-sis	Pertussis	Japanese encephalitis	Legionnaires' disease	Invasive haemophilus influenzae type b infection
1992	23	-	88	28	-	-	-	10	-	-
1996	53	83	256	7	560	-	15	21	44	-
2001	270	101	1 327	303	769	14 486	6	33	40	49
2006	1 074	66	139	125	613	15 378	14	29	56	16
2011	1 702	45	203	256	323	12 788	77	22	97	9
2014	15 732	29	132	300	453	11 438	78	18	135	4
2015	43 784	19	186	350	525	10 828	70	30	153	3
2016	743	41	225	314	1 476	10 440	17	23	114	14
2017	343	61	162	378	858	9 862	34	25	188	6
2018	533	66	172	334	751	9 299	30	37	211	5
2019	640	64	147	352	851	8 811	32	21	281	3
2020	137	33	151	250	791	7 897	5	21	326	3
2021	12	28	121	188	785	7 144	-	28	351	1
2022	88	38	92	216	743	6 640	2	19	383	2
2023	26 669	61	71	283	745	5 115	-	26	416	1
Taiwan Area										
New Taipei City	142	13	22	39	163	845	-	-	64	-
Taipei City	103	3	12	32	97	439	-	-	28	-
Taoyuan City	70	12	5	17	94	356	-	5	48	1
Taichung City	95	11	7	46	89	488	-	3	45	-
Tainan City	21 540	4	5	18	49	456	-	3	24	-
Kaohsiung City	3 156	4	6	41	75	745	-	4	39	-
Yilan County	9	-	-	5	18	109	-	-	25	-
Hsinchu County	25	1	1	5	16	88	-	1	1	-
Miaoli County	10	1	1	7	14	84	-	1	4	-
Changhua County	25	2	4	18	12	298	-	4	46	-
Nantou County	14	3	1	4	15	151	-	1	4	-
Yunlin County	741	1	1	5	3	223	-	-	12	-
Chiayi County	242	1	-	7	24	113	-	1	9	-
Pingtung County	404	1	-	15	14	293	-	1	21	-
Taitung County	7	-	-	5	6	57	-	-	5	-
Hualien County	3	-	-	8	7	128	-	2	18	-
Penghu County	5	1	-	1	1	14	-	-	-	-
Keelung City	7	2	2	4	21	94	-	-	10	-
Hsinchu City	28	-	3	5	14	71	-	-	9	-
Chiayi City	42	1	1	1	12	53	-	-	4	-
Kinmen & Lienchiang Area										
Kinmen County	1	-	-	-	1	10	-	-	-	-
Lienchiang County	-	-	-	-	-	-	-	-	-	-

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 & District	Persons								
	Syphilis	Gonorrhea	Enteroviruses infection with severe complications	HIV infection	AIDS	Invasive pneumococcal disease	Scrub typhus	Complicated influenza	COVID-19
1992	2 847	-	-	149	22	-	52	-	-
1996	3 172	121	-	311	162	-	156	-	-
2001	4 237	443	393	689	165	-	235	-	-
2006	5 808	1 437	11	2 938	579	-	384	25	-
2011	6 372	1 978	59	1 967	1 075	837	322	1 481	-
2014	6 986	2 622	6	2 236	1 387	587	414	1 721	-
2015	7 471	3 587	6	2 327	1 440	524	494	857	-
2016	8 725	4 469	33	2 396	1 412	592	488	2 084	-
2017	9 835	4 601	24	2 514	1 390	454	422	1 359	-
2018	9 808	4 209	36	1 992	1 091	459	386	1 196	-
2019	9 397	4 523	69	1 755	1 005	447	449	2 325	-
2020	8 799	7 082	6	1 390	800	228	422	444	823
2021	9 412	7 381	-	1 246	689	194	292	1	16 302
2022	9 707	8 015	3	1 069	657	200	276	22	8 856 169
2023	10 019	8 262	14	947	590	287	204	1 035	1 371 201
Taiwan Area									
New Taipei City	2 134	1 818	5	226	140	58	14	154	273 084
Taipei City	1 276	1 139	2	109	69	24	2	83	132 540
Taoyuan City	1 277	1 003	-	112	74	33	9	80	156 276
Taichung City	1 244	829	3	133	80	34	6	80	167 689
Tainan City	612	371	-	62	32	21	1	101	113 443
Kaohsiung City	1 142	957	1	118	74	34	12	130	165 949
Yilan County	234	136	-	10	6	7	1	35	25 437
Hsinchu County	169	242	-	14	7	8	3	14	43 007
Miaoli County	146	196	-	8	3	1	2	17	33 320
Changhua County	348	248	-	14	14	7	-	53	59 194
Nantou County	156	185	-	10	7	8	9	25	20 413
Yunlin County	162	149	1	13	11	9	1	47	26 494
Chiayi County	124	97	-	20	10	5	3	25	18 936
Pingtung County	309	175	-	29	17	13	4	76	31 914
Taitung County	103	111	1	14	5	8	62	18	8 086
Hualien County	143	161	-	15	8	9	26	48	15 841
Penghu County	20	14	-	2	1	1	16	4	2 882
Keelung City	160	198	-	10	17	4	1	17	24 623
Hsinchu City	163	149	-	20	10	2	2	17	34 686
Chiayi City	93	56	1	7	5	1	-	5	12 814
Kinmen & Lienchiang Area									
Kinmen County	3	26	-	-	-	-	27	6	4 174
Lienchiang County	1	2	-	1	-	-	3	-	399

Table 25. Daily nutrient consumption per capita

Year	Energy (1) (Calories)	Protein (Grams)	Fat (Grams)	Carbohydrate (Grams)	Calcium (Milligrams)	Phosphorus (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
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
2011	2 655.7	80.6	107.6	331.2	463.9	1 045.6
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	2 768.2	83.4	114.0	341.7	520.1	1 096.5
2017	2 838.5	85.6	117.1	350.7	541.5	1 134.5
2018	2 873.1	87.9	120.7	349.1	533.8	1 150.5
2019	2 828.3	86.8	118.8	342.9	529.9	1 138.4
2020	2 872.2	89.9	120.0	346.4	575.6	1 125.0
2021	2 846.9	89.6	118.6	343.7	580.5	1 129.3
2022	2 843.4	90.8	118.1	342.1	571.7	1 138.1
Year	Iron (Milligrams)	Vitamin A (International unit)	Thiamine (Milligrams)	Riboflavin (Milligrams)	Niacin (Milligrams)	Ascorbic acid (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
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
2011	10.7	8 876.8	1.3	1.3	14.9	144.9
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	10 150.9	1.4	1.3	14.5	132.2
2017	12.3	10 444.6	1.4	1.4	14.8	142.7
2018	11.8	10 348.4	1.4	1.4	15.6	144.1
2019	12.1	9 706.3	1.4	1.4	15.4	135.7
2020	12.1	6 604.2	1.4	1.4	14.4	165.6
2021	12.2	6 624.9	1.4	1.4	14.2	162.6
2022	12.2	6 554.0	1.4	1.4	14.6	164.2

Note: (1)Including wine & beer**Source:** Ministry of Agriculture

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Table 26. Emissions of greenhouse gases

10³M.T. CO₂ equivalent

Year	Total	Carbon dioxide (CO ₂)	Per capita (M. T. / persons)	Methane (CH ₄)	Nitrous oxide (N ₂ O)	Hydro fluoro-carbons (HFC _s)	Perfluoro-carbons (PFC _s)	Sulphur hexafluoride (SF ₆)	Nitrogen trifluoride (NF ₃)
1990	137 881	124 184	6.12	10 705	2 992	-	-	-	-
1991	147 896	133 604	6.52	11 030	3 262	-	-	-	-
2001	251 584	229 374	10.27	11 734	3 937	2 619	2 939	746	235
2006	299 100	276 158	12.10	8 886	4 831	1 015	3 664	3 858	688
2011	292 607	276 284	11.91	6 226	4 925	1 053	1 781	1 918	420
2012	287 791	272 774	11.72	5 890	4 839	907	1 141	1 852	388
2013	289 235	273 912	11.73	5 547	4 642	1 019	1 345	1 997	773
2014	291 299	276 370	11.81	5 305	4 623	1 048	1 556	1 730	667
2015	290 115	275 867	11.76	5 105	4 591	1 020	1 347	1 523	662
2016	293 913	279 731	11.90	5 032	4 793	1 026	1 441	1 418	472
2017	299 457	285 246	12.11	4 922	5 001	1 023	1 409	1 416	440
2018	297 744	283 417	12.02	4 891	5 076	1 013	1 536	1 302	509
2019	287 489	273 956	11.61	4 775	4 903	1 027	1 420	935	473
2020	285 124	271 701	11.52	4 618	4 899	1 053	1 447	842	564
2021	297 054	283 160	12.07	4 453	5 412	1 106	1 472	857	594

Source: Ministry of Environment

Table 27. Carbon dioxide emissions

10³M.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	124 184	109 465	49 123	30 124	19 646	2 946	3 621	4 005	14 557	142	20
1991	133 604	118 443	55 126	31 963	20 888	2 700	3 529	4 238	15 007	146	8
2001	229 374	212 554	123 880	44 234	33 267	2 455	3 538	5 181	16 186	94	540
2006	276 158	255 330	162 298	45 309	36 771	1 647	4 272	5 033	20 299	59	470
2011	276 284	257 097	168 491	43 691	35 107	1 123	3 898	4 786	18 985	53	149
2012	272 774	253 201	166 836	42 515	34 284	1 259	3 635	4 672	19 369	55	149
2013	273 912	254 109	167 021	43 309	34 209	1 274	3 812	4 484	19 605	45	153
2014	276 370	258 480	173 747	40 386	34 666	1 343	3 928	4 411	17 704	40	146
2015	275 867	258 475	173 695	39 577	35 506	1 287	3 941	4 469	17 251	38	103
2016	279 731	262 982	177 209	39 656	36 584	1 276	3 720	4 537	16 583	34	132
2017	285 246	269 461	185 761	38 115	36 202	1 203	3 779	4 402	15 625	31	129
2018	283 417	267 209	187 895	34 858	35 202	1 515	3 593	4 145	16 019	30	159
2019	273 956	258 823	180 206	33 902	35 438	1 518	3 622	4 137	14 890	29	214
2020	271 701	257 433	179 435	32 895	35 715	1 328	3 792	4 269	13 942	29	297
2021	283 160	267 037	188 383	35 520	33 905	1 318	3 741	4 170	15 597	27	499

Source: 1. Ministry of Environment

2. Energy Administration, Ministry of Economic Affairs

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	-	
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
2023	21 894	11 420	8 983	1 385	106	-	-	52.16	41.03	6.33	0.48
Taiwan Area											
New Taipei City	3 285	2 021	1 173	81	10	-	-	61.52	35.71	2.47	0.30
Taipei City	1 825	1 029	765	27	4	-	-	56.38	41.92	1.48	0.22
Taoyuan City	1 460	860	553	43	4	-	-	58.90	37.88	2.95	0.27
Taichung City	1 825	886	826	104	9	-	-	48.55	45.26	5.70	0.49
Tainan City	1 460	580	746	129	5	-	-	39.73	51.10	8.84	0.34
Kaohsiung City	2 919	1 040	1 511	355	13	-	-	35.63	51.76	12.16	0.45
Yilan County	730	636	92	2	-	-	-	87.12	12.60	0.27	-
Hsinchu County	729	445	256	24	4	-	-	61.04	35.12	3.29	0.55
Miaoli County	729	425	276	26	2	-	-	58.30	37.86	3.57	0.27
Changhua County	730	313	355	59	3	-	-	42.88	48.63	8.08	0.41
Nantou County	730	283	367	75	5	-	-	38.77	50.27	10.27	0.68
Yunlin County	730	274	360	91	5	-	-	37.53	49.32	12.47	0.68
Chiayi County	729	283	369	75	2	-	-	38.82	50.62	10.29	0.27
Pingtung County	1 093	583	355	136	19	-	-	53.34	32.48	12.44	1.74
Taitung County	365	349	15	1	-	-	-	95.62	4.11	0.27	-
Hualien County	365	327	37	1	-	-	-	89.59	10.14	0.27	-
Penghu County	365	230	121	14	-	-	-	63.01	33.15	3.84	-
Keelung City	365	244	114	7	-	-	-	66.85	31.23	1.92	-
Hsinchu City	365	218	138	8	1	-	-	59.73	37.81	2.19	0.27
Chiayi City	365	135	181	46	3	-	-	36.99	49.59	12.60	0.82
Kinmen & Lienchiang Area											
Kinmen County	365	130	180	48	7	-	-	35.62	49.32	13.15	1.92
Lienchiang County	365	129	193	33	10	-	-	35.34	52.88	9.04	2.74

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 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	-	
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	-
2022	0.01	-	1 397	6.38	843	1	545	6	-	2	-
2023	-	-	1 491	6.81	958	1	515	16	-	1	-
Taiwan Area											
New Taipei City	-	-	91	2.77	86	-	3	2	-	-	-
Taipei City	-	-	31	1.70	25	-	6	-	-	-	-
Taoyuan City	-	-	47	3.22	38	-	9	-	-	-	-
Taichung City	-	-	113	6.19	94	-	19	-	-	-	-
Tainan City	-	-	134	9.18	46	-	86	2	-	-	-
Kaohsiung City	-	-	368	12.61	220	1	146	-	-	1	-
Yilan County	-	-	2	0.27	2	-	-	-	-	-	-
Hsinchu County	-	-	28	3.84	24	-	3	1	-	-	-
Miaoli County	-	-	28	3.84	26	-	2	-	-	-	-
Changhua County	-	-	62	8.49	25	-	33	4	-	-	-
Nantou County	-	-	80	10.96	58	-	22	-	-	-	-
Yunlin County	-	-	96	13.15	38	-	55	3	-	-	-
Chiayi County	-	-	77	10.56	33	-	40	4	-	-	-
Pingtung County	-	-	155	14.18	123	-	32	-	-	-	-
Taitung County	-	-	1	0.27	1	-	-	-	-	-	-
Hualien County	-	-	1	0.27	1	-	-	-	-	-	-
Penghu County	-	-	14	3.84	13	-	1	-	-	-	-
Keelung City	-	-	7	1.92	7	-	-	-	-	-	-
Hsinchu City	-	-	9	2.47	8	-	1	-	-	-	-
Chiayi City	-	-	49	13.42	24	-	25	-	-	-	-
Kinmen & Lienchiang Area											
Kinmen County	-	-	55	15.07	35	-	20	-	-	-	-
Lienchiang County	-	-	43	11.78	31	-	12	-	-	-	-

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					
			Constitutional Court		Private citizen petition		Criminal compensation and judicial evaluation etc	
	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	-	-
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	-	-
2011	3 113 674	2 934 477	793	498	7 395	7 304	208	177
2014	3 262 920	3 054 915	840	522	8 046	7 951	142	108
2015	3 244 012	3 027 555	745	385	9 417	9 321	129	99
2016	3 350 851	3 118 330	827	452	7 373	7 207	101	77
2017	3 353 339	3 106 723	872	356	8 011	7 865	89	70
2018	3 388 144	3 132 630	1 008	371	7 616	7 498	115	82
2019	3 528 512	3 258 677	1 264	645	8 118	7 985	146	107
2020	3 645 745	3 381 191	1 253	610	9 984	9 884	343	199
2021	3 512 125	3 226 216	1 390	1 003	7 825	7 693	480	301
2022	3 865 320	3 549 731	4 758	3 241	8 221	8 146	542	426
2023	4 191 649	3 792 843	2 876	2 348	8 578	8 439	527	415
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	
1981	2 764	2 134	127.81	15.46	-		-	
1991	4 282	3 774	57.76	20.40	-		-	
2001	8 199	3 845	505.15	24.92	45 673		39 274	
2006	11 438	5 237	377.54	23.33	14 582		9 824	
2011	6 466	5 603	206.05	19.35	8 514		6 385	
2014	3 793	3 055	69.06	11.96	7 098		5 158	
2015	4 492	3 797	72.34	15.61	7 473		5 280	
2016	4 503	3 123	92.46	15.16	7 910		5 657	
2017	5 124	3 871	115.46	21.11	7 704		5 340	
2018	5 861	4 356	127.97	23.29	8 397		5 459	
2019	6 139	3 597	171.56	20.39	10 460		6 483	
2020	6 233	4 060	221.59	21.28	11 171		7 749	
2021	4 296	2 845	245.48	15.04	9 690		6 638	
2022	4 367	2 746	218.59	14.65	8 719		5 652	
2023	4 754	3 325	179.00	18.17	18 307		13 602	

Source: Judicial Yuan

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

Cases, Days

Year	Disciplinary Court				Intellectual Property Court					
	Trial 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	-	-	-	-	-	-
2001	477	415	57.66	34.58	-	-	-	-	-	-
2006	608	542	51.62	45.17	-	-	-	-	-	-
2011	743	681	34.26	56.75	1 032	758	214.39	13.86	457	374
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
2018	302	239	63.56	19.92	1 117	817	214.50	12.56	317	245
2019	261	183	115.84	15.25	1 169	874	194.72	12.90	357	255
2020	276	200	118.34	16.67	1 151	809	195.20	12.22	358	247
2021	255	183	114.51	15.25	1 164	826	228.41	8.15	386	300
2022	229	142	216.77	11.83	1 232	836	219.47	7.06	324	191
2023	200	105	284.14	8.75	1 056	719	276.18	8.49	347	205
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
2001	-	-	-	-	-	-	7 011	4 279	46.27	17.05
2006	-	-	-	-	-	-	6 216	5 098	35.32	19.36
2011	110.39	13.80	510	402	146.72	13.59	6 174	5 056	24.84	23.11
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
2018	149.65	7.21	432	310	228.46	5.56	9 411	5 335	42.51	17.86
2019	142.43	7.04	385	263	190.87	5.16	10 676	5 916	43.10	18.76
2020	128.62	6.78	339	242	192.78	5.72	12 573	9 265	37.51	24.92
2021	194.32	7.65	284	182	198.84	5.38	11 949	9 003	44.89	22.34
2022	235.13	5.04	291	188	210.13	5.72	9 337	7 436	54.26	18.29
2023	209.64	4.39	264	175	228.08	8.53	7 919	6 117	74.25	14.44

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
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
2011	11 304	9 110	27.07	19.78	21 826	15 481	160.67	12.30	45 524
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
2018	8 657	6 688	28.08	16.77	26 842	19 102	189.88	12.30	41 556
2019	9 678	6 637	29.93	16.90	27 956	19 705	187.07	12.32	44 111
2020	11 646	8 800	28.62	20.64	30 574	21 817	185.55	13.74	46 863
2021	10 213	8 737	47.56	19.83	28 289	19 563	197.49	12.24	45 271
2022	8 924	7 621	33.00	17.86	31 125	21 666	205.85	13.44	46 170
2023	9 061	7 841	35.64	19.80	32 344	22 481	212.34	13.81	50 075
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
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
2011	40 452	68.92	21.85	4 882	3 933	2 374 933	2 256 792	33.83	71.89
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
2018	35 704	83.32	19.66	3 969	3 075	2 588 801	2 425 617	34.41	68.29
2019	38 059	88.08	20.68	4 044	3 247	2 733 792	2 562 005	34.25	71.48
2020	40 831	87.12	22.49	4 105	3 337	2 875 561	2 706 108	33.37	74.36
2021	39 592	84.21	21.96	3 560	2 734	2 799 446	2 614 215	33.34	68.71
2022	39 234	87.21	21.42	4 097	3 211	3 079 603	2 876 460	32.53	74.35
2023	42 890	87.06	23.42	4 428	3 429	3 350 116	3 076 118	33.95	64.81

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
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	-	-	-
2011	483 053	441 075	59.61	64.45	1 280 133	1 219 188	-	-	-
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	-	-	-
2018	541 839	477 624	80.89	63.04	1 387 300	1 318 649	-	-	-
2019	526 175	461 041	83.76	60.36	1 453 501	1 382 211	-	-	-
2020	514 580	450 595	85.46	58.92	1 514 331	1 443 678	-	-	-
2021	471 411	399 019	100.36	53.09	1 509 035	1 435 445	-	-	-
2022	527 986	446 326	99.78	59.67	1 706 725	1 620 237	-	-	-
2023	564 796	471 623	100.92	62.59	1 891 455	1 744 375	-	-	-
Year	District Courts								
	Financial compulsory execution cases	Notarization		Lodgment		Public defense		Investigation and 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
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
2011	-	99 197	98 956	45 545	45 373	17 634	12 906	52 448	35 286
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
2018	-	84 180	84 073	40 687	40 514	20 114	14 793	46 827	29 951
2019	-	83 612	83 556	40 321	40 160	18 880	13 547	46 922	30 728
2020	-	58 978	58 930	40 949	40 730	19 138	13 268	49 658	33 480
2021	-	56 206	56 127	42 406	42 170	17 591	10 984	47 262	30 757
2022	-	67 677	67 614	41 937	41 745	19 765	13 112	50 030	33 245
2023	-	77 722	77 644	42 887	42 688	21 040	14 245	52 707	35 377

Table 30. Fire fighting

Year & Agency	The equipment of fire fighting (1)					Inspection of fire safety (3)		Fires accidents (4)	
	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 (Units)	No. of times (Case-times)	Qualified rate (%)	No. of fires (5) (Times)	Average no. of fires a day (5) (Times)
1981	17 501	9.7	1 060	0.58	32 356	-	-	9 260	25.37
1991	22 065	10.7	1 425	0.69	62 061	-	-	7 742	21.21
2001	34 679	15.5	1 956	0.87	102 254	347 355	89.7	13 750	37.67
2006	41 074	18.0	2 110	0.92	121 146	287 416	90.5	4 332	11.87
2011	45 366	19.6	2 191	0.94	137 661	327 519	85.4	1 772	4.85
2014	48 958	20.9	2 374	1.01	149 283	325 367	86.0	1 417	3.88
2015	50 556	21.5	2 382	1.01	151 158	317 309	85.3	1 704	4.67
2016	52 186	22.2	2 448	1.03	154 798	294 264	85.6	1 856	5.07
2017	55 572	23.6	2 532	1.08	159 302	298 220	86.9	30 464	83.46
2018	58 321	24.7	2 535	1.07	160 100	290 527	88.3	27 922	76.50
2019	59 259	25.1	2 564	1.09	165 238	313 890	86.6	22 866	62.65
2020	63 082	26.7	2 569	1.09	169 038	313 959	86.7	22 248	60.79
2021	63 526	27.1	2 634	1.13	170 892	267 624	87.6	21 684	59.41
2022	63 216	27.1	2 570	1.11	173 182	286 220	87.2	15 890	43.53
2023	65 722	28.2	2 555	1.09	178 404	259 796	88.9	17 466	47.85
New Taipei City	9 747	24.3	285	0.71	21 376	56 801	89.0	1 774	4.86
Taipei City	3 849	15.4	216	0.86	21 676	45 910	95.0	1 268	3.47
Taoyuan City	4 742	20.6	233	1.01	17 361	22 796	84.8	1 332	3.65
Taichung City	6 432	22.7	232	0.82	20 590	31 022	83.2	1 508	4.13
Tainan City	4 624	24.9	193	1.04	14 937	13 063	88.8	1 652	4.53
Kaohsiung City	6 128	22.4	250	0.91	22 390	21 050	89.3	1 424	3.90
Yilan County	1 621	36.1	60	1.33	7 211	5 413	92.2	284	0.78
Hsinchu County	1 777	30.4	79	1.34	5 193	6 038	83.5	218	0.60
Miaoli County	1 403	26.2	96	1.80	4 925	3 484	85.0	1 040	2.85
Changhua County	4 458	35.9	138	1.11	7 592	10 944	85.6	837	2.29
Nantou County	2 906	60.8	93	1.95	3 109	2 778	88.3	933	2.56
Yunlin County	2 602	39.3	81	1.23	7 160	8 887	88.9	503	1.38
Chiayi County	2 290	47.1	65	1.34	4 024	4 860	89.0	1 062	2.91
Pingtung County	2 633	33.0	125	1.57	5 678	4 387	86.6	1 949	5.34
Taitung County	1 833	86.4	63	2.98	2 345	2 314	92.3	305	0.84
Hualien County	1 556	48.9	76	2.39	4 470	3 712	88.0	425	1.16
Penghu County	693	64.5	27	2.51	868	1 036	89.5	125	0.34
Keelung City	1 369	37.8	43	1.19	1 745	5 169	91.5	115	0.32
Hsinchu City	2 363	52.0	70	1.53	2 550	4 114	90.4	225	0.62
Chiayi City	1 004	38.1	29	1.10	1 894	4 431	94.3	106	0.29
Kinmen County	459	32.2	28	1.94	355	833	83.9	244	0.67
Lienchiang County	259	184.9	22	15.67	159	207	96.1	15	0.04
Affiliation with the NFA	974	-	51	-	796	547	90.3	58	0.16

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) The figures of total of year include Airport of Civil Aeronautics Administration, MOTC., Science Parks of NSC., Barracks of MND., State-owned Enterprise of MOEA., National Parks of Construction and Planning Agency, MOI.

(5) 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 & Agency	Fires accidents (4)						Emergency medical services	
	Deaths and injured (Persons)			Burn-out & damaged vehicles (Vehicles)	Burn-out & damaged houses (Houses)	Estimated losses (Millions NT\$)	Times of call volume (Times)	No. of persons rescued in emergency (Person-times)
	Total	Deaths	Injured					
1981	427	157	270	-	1 777	1 773	-	-
1991	874	250	624	-	1 680	3 002	164 070	116 430
2001	1 040	234	806	3 583	2 844	15 563	464 941	343 076
2006	596	125	471	1 458	1 489	1 559	691 964	537 707
2011	385	97	288	567	1 029	553	1 003 981	817 927
2014	368	124	244	658	1 263	436	1 078 727	878 849
2015	850	117	733	802	1 477	531	1 100 264	891 562
2016	430	169	261	836	1 568	459	1 117 523	906 603
2017	480	178	302	2 060	5 614	691	1 100 323	891 508
2018	463	173	290	1 920	5 302	596	1 101 350	897 081
2019	628	150	478	1 796	4 339	1 442	1 118 439	905 951
2020	625	161	464	2 095	4 011	641	1 126 486	891 117
2021	496	192	304	2 229	4 206	356	1 135 845	881 766
2022	346	152	194	1 908	3 867	428	1 307 596	1 034 185
2023	556	193	363	1 992	3 849	620	1 310 584	1 022 159
New Taipei City	36	21	15	184	943	30	233 135	165 345
Taipei City	60	12	48	129	268	14	138 712	110 489
Taoyuan City	52	24	28	367	679	16	123 356	88 885
Taichung City	48	28	20	286	162	57	160 867	119 826
Tainan City	34	6	28	130	392	26	110 585	87 667
Kaohsiung City	22	12	10	270	480	7	157 067	122 586
Yilan County	4	4	-	33	102	25	25 880	23 108
Hsinchu County	5	2	3	60	23	9	26 594	20 745
Miaoli County	23	10	13	21	31	58	27 034	23 072
Changhua County	69	23	46	149	156	37	61 209	54 238
Nantou County	6	6	-	33	71	46	26 331	23 413
Yunlin County	8	6	2	16	45	14	33 602	28 620
Chiayi County	13	8	5	42	52	8	27 852	24 377
Pingtung County	127	15	112	117	65	110	49 464	42 450
Taitung County	7	5	2	21	92	29	16 491	11 309
Hualien County	27	2	25	60	165	15	22 347	18 069
Penghu County	4	-	4	4	32	4	5 029	4 740
Keelung City	5	4	1	7	-	3	19 703	15 840
Hsinchu City	-	-	-	29	3	2	22 517	17 881
Chiayi City	3	3	-	20	85	4	17 794	15 108
Kinmen County	2	2	-	5	-	5	3 719	3 342
Lienchiang County	-	-	-	2	-	-	300	290
Affiliation with the NFA	1	-	1	2	2	96	996	759

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

Year & Agency	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
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
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
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
2018	284 538	270 882	291 621	1 206.7	95.2	1 236.7	993	995	1 666	47 591	43 262	32 028
2019	268 349	258 706	277 664	1 137.3	96.4	1 176.7	859	898	1 464	42 272	40 406	31 398
2020	259 713	253 741	281 811	1 101.3	97.7	1 195.0	707	737	1 195	37 016	36 597	29 128
2021	243 082	240 177	265 221	1 035.8	98.8	1 130.1	598	597	1 073	35 067	34 826	27 929
2022	265 518	256 733	291 891	1 138.6	96.7	1 251.7	499	497	761	37 670	36 603	31 139
2023	275 268	267 334	296 458	1 179.3	97.1	1 270.0	442	451	819	38 339	37 702	31 920
New Taipei City	40 967	39 296	35 707	1 019.5	95.9	888.6	73	74	112	6 031	6 030	4 256
Taipei City	38 433	39 335	44 648	1 539.6	102.4	1 788.6	42	44	76	4 617	4 689	4 110
Taoyuan City	21 024	21 083	20 958	914.3	100.3	911.4	29	28	74	2 831	2 874	2 159
Taichung City	22 081	21 941	28 099	780.2	99.4	992.8	19	19	35	3 493	3 528	2 954
Tainan City	27 520	25 943	29 484	1 482.4	94.3	1 588.2	46	47	103	3 819	3 663	3 426
Kaohsiung City	21 457	21 670	24 131	785.1	101.0	882.9	31	32	81	3 393	3 408	2 969
Yilan County	7 055	6 777	8 181	1 569.6	96.1	1 820.1	13	13	28	935	912	812
Hsinchu County	6 536	5 877	6 139	1 117.5	89.9	1 049.6	13	13	23	857	835	692
Miaoli County	7 707	6 924	7 316	1 441.0	89.8	1 367.9	10	10	14	1 302	1 226	1 122
Changhua County	15 108	15 145	18 323	1 216.3	100.2	1 475.1	17	17	43	2 340	2 360	2 183
Nantou County	6 736	6 550	8 457	1 408.2	97.2	1 768.0	17	17	25	918	873	805
Yunlin County	8 335	7 811	8 821	1 259.5	93.7	1 332.9	12	13	17	1 243	1 182	1 128
Chiayi County	6 247	6 318	8 085	1 284.4	101.1	1 662.4	14	14	26	875	877	915
Pingtung County	9 532	8 813	9 648	1 196.2	92.5	1 210.8	17	16	32	904	869	728
Taitung County	3 404	3 277	3 387	1 605.3	96.3	1 597.3	2	4	14	503	479	421
Hualien County	5 037	4 691	4 123	1 583.0	93.1	1 295.8	8	9	21	790	750	466
Penghu County	1 713	1 405	1 612	1 593.8	82.0	1 499.8	11	12	14	150	136	130
Keelung City	6 099	5 311	6 322	1 685.3	87.1	1 746.9	18	18	23	918	840	697
Hsinchu City	5 360	5 233	5 924	1 179.4	97.6	1 303.5	1	1	1	879	826	649
Chiayi City	4 041	3 836	4 911	1 535.0	94.9	1 865.5	13	13	17	699	674	632
Kinmen County	1 088	881	1 391	762.3	81.0	974.6	7	7	7	104	92	117
Lienchiang County	166	115	175	1 184.8	69.3	1 249.0	3	2	3	16	14	12
Affiliation with the NPA	9 622	9 102	10 616	-	94.6	-	26	28	30	722	565	537

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 & Agency	Automobile theft (Cases)		Fraudulent, breach of trust (Cases)		Homicide (Cases)		Robbery, snatch and grab (Cases)		Category one narcotics (Cases, persons)		Category two narcotics (Cases, persons)	
	Cases known to the police	Cases cleared	Cases known to the police	Cases cleared	Cases known to the police	Cases cleared	Cases known to the police	Cases cleared	Cases known to the police	Offen- ders	Cases known to the police	Offen- ders
1946	9 654	7 146	1 876	1 032	36	36	15	14	21	25	-	-
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
2011	11 385	8 062	24 076	18 195	804	795	1 661	1 433	17 435	18 361	26 968	28 550
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
2018	2 235	2 161	24 585	22 697	379	374	399	412	14 278	15 261	39 388	41 631
2019	1 456	1 377	24 642	22 883	378	388	329	338	12 791	13 132	32 353	33 713
2020	1 006	1 020	24 607	24 122	332	335	281	296	8 078	8 287	35 474	37 019
2021	821	819	26 068	25 815	292	289	267	269	6 306	6 508	30 375	31 838
2022	676	679	30 876	30 026	254	253	233	229	7 660	7 892	28 549	29 657
2023	803	773	39 028	37 134	199	198	209	218	7 491	7 700	26 573	27 620
New Taipei City	142	140	7 366	6 886	26	26	36	37	1 014	984	4 601	4 365
Taipei City	27	27	4 498	5 043	34	34	20	22	358	549	2 745	3 616
Taoyuan City	106	117	1 983	2 221	15	14	11	11	1 176	1 160	3 915	4 019
Taichung City	82	89	2 439	2 577	9	9	11	11	646	761	2 384	2 615
Tainan City	36	34	5 494	4 781	16	15	27	30	473	491	1 984	1 926
Kaohsiung City	43	47	2 569	2 909	17	17	14	15	798	818	2 061	2 086
Yilan County	13	13	1 166	1 039	2	2	7	6	155	135	484	507
Hsinchu County	71	66	1 227	1 006	4	4	3	3	137	103	927	840
Miaoli County	27	24	1 291	1 034	1	1	5	5	272	225	897	805
Changhua County	49	45	1 929	1 909	11	11	11	11	587	603	851	973
Nantou County	30	25	1 240	1 233	6	5	9	9	250	240	476	462
Yunlin County	27	24	1 671	1 351	13	14	4	4	336	313	691	646
Chiayi County	12	15	798	765	8	8	5	5	212	241	575	736
Pingtung County	51	40	638	560	8	7	8	8	352	336	1 290	1 273
Taitung County	21	20	529	427	2	4	-	-	48	47	293	288
Hualien County	12	7	723	580	3	3	4	5	133	112	516	415
Penghu County	4	4	474	281	6	6	2	3	5	4	94	82
Keelung City	18	11	818	586	4	4	13	13	214	223	668	701
Hsinchu City	20	8	584	570	1	1	1	1	98	120	329	407
Chiayi City	3	3	893	818	1	1	6	6	136	125	441	388
Kinmen County	3	3	363	226	3	3	-	-	-	-	48	57
Lienchiang County	-	-	87	46	-	-	-	-	-	-	3	3
Affiliation with the NPA	6	11	248	286	9	9	12	13	91	110	300	410

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

Year & Agency	Juvenile offenders		Violation of copyright law		Violation of the trademark law		Violation of the law for maintaining social order (Cases)	Distur-bance of the peace	Violation of moral order
	Offen-ders (Persons)	Offender rate (Persons/100,000 pop.)	No. of cases (Cases)	Offen-ders (Persons)	No. of cases (Cases)	Offen-ders (Persons)			
1946	-	-	-	-	-	-	9 269	1 753	3 342
1981	11 038	472.5	1	1	124	128	87 916	46 939	35 421
1991	25 472	1 106.8	1 782	1 604	274	267	21 676	16 230	5 367
2001	16 939	849.0	4 264	4 961	637	811	8 545	3 398	5 103
2011	13 103	703.5	2 185	2 550	3 306	3 603	6 382	3 458	2 792
2014	10 969	637.9	2 066	2 251	2 764	2 886	6 324	2 591	3 581
2015	11 002	673.3	2 128	2 364	2 755	2 863	5 237	1 155	3 861
2016	9 775	625.8	2 371	2 438	2 610	2 712	4 841	926	3 440
2017	10 499	699.8	2 616	2 652	2 087	2 182	4 919	959	3 186
2018	8 893	629.2	2 776	2 806	1 808	1 849	5 375	1 097	3 065
2019	9 441	705.5	2 134	2 126	2 031	2 219	7 149	1 564	3 173
2020	10 226	794.0	2 088	2 065	2 211	2 362	7 230	2 198	2 783
2021	9 627	774.9	1 844	2 072	1 881	1 952	7 025	1 699	2 878
2022	9 554	799.6	2 074	2 063	2 278	2 160	7 045	1 869	2 561
2023	10 770	919.5	1 494	1 583	1 986	2 126	6 515	1 853	2 504
New Taipei City	1 481	768.6	67	46	41	18	1 071	226	437
Taipei City	1 313	1 066.4	71	118	47	57	863	242	297
Taoyuan City	746	587.2	22	27	11	2	894	232	587
Taichung City	1 312	850.4	22	24	15	4	616	168	213
Tainan City	819	913.1	22	33	9	4	436	110	140
Kaohsiung City	911	704.5	14	17	8	5	976	367	144
Yilan County	384	1 748.5	3	5	2	1	60	11	29
Hsinchu County	244	676.5	2	2	3	1	93	59	25
Miaoli County	286	1 035.9	3	4	2	5	95	19	63
Changhua County	723	1 143.8	19	21	11	28	274	73	69
Nantou County	297	1 324.1	13	11	4	9	86	20	55
Yunlin County	276	842.9	5	4	1	-	99	22	49
Chiayi County	269	1 324.1	2	1	1	1	86	10	61
Pingtung County	306	863.0	3	2	2	-	175	63	77
Taitung County	207	1 991.0	1	1	-	-	37	14	5
Hualien County	218	1 415.2	2	-	2	1	48	31	6
Penghu County	67	1 641.0	3	5	1	1	52	21	9
Keelung City	294	1 844.5	5	5	2	1	237	36	145
Hsinchu City	277	950.1	11	8	-	-	165	45	53
Chiayi City	146	979.3	8	8	1	1	54	8	34
Kinmen County	79	1 630.6	4	7	-	1	7	2	1
Lienchiang County	7	1 224.9	1	3	-	-	9	3	-
Affiliation with the NPA	108	-	1 191	1 231	1 823	1 986	82	71	5

SOCIAL WELFARE

Table 32. Net expenditure for social welfare

Fiscal Year	Net expenditures for social welfare by general government (Thousand NT\$)			
	Total	Social insurance	Social relief	Welfare service
1966	1 123 853	-	-	-
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
2011	446 921 628	225 292 952	31 161 163	147 751 355
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	563 844 224	340 900 812	20 083 106	160 965 344
2018	588 093 209	366 352 453	19 801 747	158 815 212
2019	591 121 056	356 459 630	19 231 301	165 653 906
2020	695 689 191	377 949 891	27 377 357	208 016 126
2021	795 992 685	408 622 268	36 747 087	223 103 674
2022	873 356 895	414 556 566	33 239 197	200 218 865
2023	889 677 625	460 529 356	37 300 126	192 455 124
Fiscal Year	Net expenditures for social welfare by general government (Thousand NT\$)		As a % of government expenditures (%)	Net benefit from social welfare per capita (NT\$)
	Employment service	Public health		
1966	-	-	4.7	88
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
2011	5 317 036	37 399 122	17.1	19 269
2014	2 672 719	36 725 667	19.5	22 097
2015	2 876 776	37 011 635	20.1	22 678
2016	2 842 204	37 274 860	20.0	23 326
2017	2 877 384	39 017 578	20.3	23 937
2018	2 972 441	40 151 356	20.7	24 940
2019	3 039 365	46 736 854	20.3	25 052
2020	2 914 129	79 431 688	21.5	29 501
2021	3 002 899	124 516 757	23.7	33 918
2022	3 184 943	222 157 324	23.9	37 451
2023	5 855 602	193 537 417	22.1	38 114

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 & District	Low-income families (1) (Households, Persons)								As a % of total households (%)	As a % of total population (%)
	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
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
2011	128 237	314 282	4 253	4 482	26 999	56 295	96 985	253 505	1.59	1.35
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
2018	143 941	311 526	3 073	3 194	33 394	52 141	107 474	256 191	1.65	1.32
2019	144 863	304 470	2 926	3 028	34 050	51 337	107 887	250 105	1.64	1.29
2020	146 342	300 241	2 733	2 813	34 563	50 711	109 046	246 717	1.64	1.27
2021	146 995	295 901	2 646	2 725	34 843	50 284	109 506	242 892	1.63	1.27
2022	146 029	288 703	2 452	2 533	35 047	49 686	108 530	236 484	1.61	1.24
2023	144 668	277 364	2 314	2 386	35 375	48 368	106 979	226 610	1.57	1.18
Taiwan Area										
New Taipei City	17 905	33 640	66	74	1 367	2 066	16 472	31 500	1.07	0.83
Taipei City	21 557	42 486	1 371	1 415	6 624	8 260	13 562	32 811	2.02	1.69
Taoyuan City	12 580	28 841	66	68	1 419	2 357	11 095	26 416	1.39	1.24
Taichung City	20 368	42 813	405	413	7 309	11 065	12 654	31 335	1.92	1.50
Tainan City	8 274	13 700	155	157	2 781	3 242	5 338	10 301	1.14	0.74
Kaohsiung City	14 840	27 909	57	60	7 023	9 121	7 760	18 728	1.29	1.02
Yilan County	2 555	4 354	6	6	231	305	2 318	4 043	1.43	0.97
Hsinchu County	1 879	3 947	3	3	235	347	1 641	3 597	0.85	0.67
Miaoli County	3 052	5 601	1	1	1 107	1 566	1 944	4 034	1.53	1.05
Changhua County	7 762	12 716	4	4	100	155	7 658	12 557	1.91	1.03
Nantou County	2 535	4 172	3	3	119	181	2 413	3 988	1.40	0.87
Yunlin County	5 711	10 880	3	3	3 050	4 492	2 658	6 385	2.31	1.65
Chiayi County	2 126	3 383	2	2	257	318	1 867	3 063	1.14	0.70
Pingtung County	8 558	14 936	68	71	820	938	7 670	13 927	2.87	1.88
Taitung County	3 537	6 406	32	32	565	706	2 940	5 668	4.18	3.03
Hualien County	4 429	8 926	3	3	372	471	4 054	8 452	3.44	2.81
Penghu County	678	1 162	33	34	319	414	326	714	1.57	1.08
Keelung City	2 612	4 744	3	3	782	1 094	1 827	3 647	1.64	1.31
Hsinchu City	1 965	3 824	6	6	514	766	1 445	3 052	1.10	0.84
Chiayi City	1 458	2 457	13	14	314	415	1 131	2 028	1.41	0.93
Kinmen & Lienchiang Area										
Kinmen County	236	375	-	-	51	63	185	312	0.54	0.26
Lienchiang County	51	92	14	14	16	26	21	52	1.38	0.66

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 & District	Living support (2)			Student living assistance		Work relief (2)		Education subsidies (2)		Primary festival grants	
	Times of persons	Times of house- holds	Amount	Times of persons	Amount	Times of persons	Amount	Times of persons	Amount	Times of house- holds	Amount
1981	-	-	21 833	-	-	-	-	-	-	-	-
1991	-	-	51 390	-	-	-	-	-	-	-	-
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
2011	1 120 856	270 893	460 079	496 156	251 285	34 594	48 862	15 423	5 619	256 877	29 782
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
2018	1 001 146	345 855	567 976	545 154	332 360	20 876	34 548	8 685	4 159	438 730	59 711
2019	936 751	350 600	552 850	521 076	318 043	21 293	36 678	4 307	3 139	451 123	59 599
2020	899 258	355 777	560 979	479 738	304 578	22 165	41 677	4 261	3 134	427 340	59 341
2021	886 060	356 903	557 419	463 007	294 330	21 613	40 220	10 592	3 955	387 295	55 954
2022	886 423	361 601	561 206	455 927	289 804	18 982	35 455	10 490	3 565	469 005	75 401
2023	833 386	356 913	540 585	418 714	266 205	17 518	34 989	7 904	1 883	445 387	84 269
Taiwan Area											
New Taipei City	84 879	15 595	34 530	57 277	36 417	706	1 954	-	-	47 802	2 663
Taipei City	155 490	47 517	145 729	36 139	22 977	11 719	20 656	-	-	63 054	13 568
Taoyuan City	116 472	16 058	43 580	48 135	30 604	1 803	4 129	-	-	36 828	7 964
Taichung City	135 500	76 827	90 180	71 608	45 528	724	2 190	-	-	59 908	38 540
Tainan City	31 381	28 871	28 451	22 634	14 391	324	568	-	-	136 588	8 910
Kaohsiung City	61 493	72 025	63 656	43 129	27 421	150	397	17	17	25 697	3 084
Yilan County	15 759	2 978	6 348	7 939	5 043	501	1 242	-	-	2 265	227
Hsinchu County	13 051	2 828	5 490	6 161	3 917	53	156	-	-	4 515	599
Miaoli County	13 900	13 074	12 217	7 549	4 800	150	412	-	-	7 983	663
Changhua County	28 760	1 152	8 828	22 529	14 324	62	152	-	-	18 286	1 829
Nantou County	8 770	1 245	3 267	4 119	2 619	333	876	-	-	-	320
Yunlin County	27 556	37 371	31 498	21 843	13 882	44	97	-	-	9 750	795
Chiayi County	7 628	2 372	3 664	5 231	3 326	33	58	-	-	1 706	171
Pingtung County	44 903	8 091	18 008	23 148	14 717	80	227	4 371	327	7 348	1 133
Taitung County	22 747	6 829	11 056	8 687	5 523	156	376	-	-	37	21
Hualien County	34 274	1 870	10 812	13 096	8 326	76	162	-	-	10 645	852
Penghu County	3 055	3 817	3 602	1 589	1 010	42	16	-	-	-	-
Keelung City	10 850	8 415	8 415	7 607	4 837	336	887	1 316	317	6 351	1 392
Hsinchu City	10 679	5 767	6 712	5 749	3 655	33	81	2 200	1 222	661	132
Chiayi City	5 470	3 450	3 850	3 709	2 356	27	61	-	-	5 284	1 229
Kinmen & Lienchiang Area											
Kinmen County	513	631	512	723	460	124	207	-	-	397	119
Lienchiang County	256	130	181	113	72	42	87	-	-	282	57

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 (1,000 Persons)	Contracted medical care institutions (No.)		
		Total	Medical care institutions	Western med. hospitals 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
2011	23 199	25 747	19 763	10 360
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
2018	23 948	28 753	21 292	10 903
2019	24 020	29 120	21 435	10 970
2020	23 987	29 390	21 571	11 000
2021	23 861	29 802	21 679	11 060
2022	23 787	30 325	21 860	11 135
2023	23 883	30 838	22 085	11 226
End of Year	Contracted medical care institutions (No.)			
	Medical care institutions		Others	Pharmacies
	Chinese med. hospitals and clinics	Dental hospitals and 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
2011	3 140	6 263	5 984	5 037
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
2018	3 666	6 723	7 461	6 350
2019	3 728	6 737	7 685	6 516
2020	3 804	6 767	7 819	6 613
2021	3 824	6 795	8 123	6 868
2022	3 885	6 840	8 465	7 184
2023	3 965	6 894	8 753	7 457

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
2011	375 009	356 128	3 277	169 792	10.18	33 505
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	352 249	488 273	3 361	212 579	9.44	36 933
2018	359 890	513 602	3 437	224 819	9.39	38 079
2019	367 615	539 917	3 533	233 253	9.29	38 837
2020	340 285	543 155	3 368	237 227	9.35	39 349
2021	313 516	547 815	3 118	236 438	9.58	40 119
2022	338 752	581 111	3 121	241 644	9.42	42 053
2023	383 097	622 611	3 504	263 398	8.97	43 409
Year	Premium receivables (Million NT\$)				Revenues and expenditures of national health insurance (Million NT\$)	
	Total	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
2011	468 799	176 459	174 166	118 175	485 798	463 727
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	600 412	597 359
2018	493 425	187 391	196 638	109 395	618 517	619 621
2019	503 828	190 429	204 315	109 084	637 563	654 819
2020	507 417	192 499	206 584	108 334	646 817	694 533
2021	566 231	214 085	234 089	118 057	713 386	671 584
2022	585 798	219 314	246 695	119 788	754 796	791 963
2023	607 579	227 721	256 275	123 583	...	...

Note: (1) End of year

Table 35. General situation of labor insurance

Units, 1,000 Persons

End of Year & District	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
2011	503 646	9 726	137 766	2 774	296 898	3 076	8 491	384
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
2018	561 761	10 372	161 607	3 270	320 484	3 518	8 384	437
2019	569 671	10 469	164 726	3 313	323 266	3 581	8 381	454
2020	578 445	10 555	167 549	3 340	327 364	3 590	8 357	463
2021	590 097	10 742	171 209	3 400	333 123	3 612	8 424	498
2022	593 217	10 430	172 557	3 314	334 062	3 534	8 423	476
2023	603 101	10 394	175 925	3 296	338 797	3 579	8 303	469
Taiwan Area								
New Taipei City	104 102	1 447	32 603	448	59 527	540	751	49
Taipei City	110 434	2 375	13 701	381	79 544	1 383	953	137
Taoyuan City	55 714	982	18 929	468	30 207	269	591	33
Taichung City	96 820	1 264	33 462	473	51 946	408	789	49
Tainan City	43 637	746	14 786	279	22 386	171	663	33
Kaohsiung City	66 059	1 097	18 579	345	37 507	318	851	37
Yilan County	7 275	146	1 929	28	3 264	25	236	10
Hsinchu County	12 153	281	3 617	125	6 645	87	230	10
Miaoli County	8 671	153	3 482	61	3 615	29	294	8
Changhua County	31 051	432	14 844	195	12 620	83	425	14
Nantou County	6 652	130	2 131	36	2 898	22	319	10
Yunlin County	9 299	221	3 586	74	3 661	29	347	13
Chiayi County	6 069	113	2 356	38	2 533	24	262	8
Pingtung County	10 849	209	3 130	41	4 940	36	434	14
Taitung County	3 313	44	764	5	1 530	9	230	6
Hualien County	5 605	87	1 524	13	2 672	19	287	9
Penghu County	1 700	30	356	2	499	3	118	3
Keelung City	5 096	94	1 275	15	2 575	16	136	6
Hsinchu City	11 083	405	3 013	249	6 299	83	142	10
Chiayi City	6 001	113	1 331	15	3 352	22	104	5
Kinmen & Lienchiang Area								
Kinmen County	1 227	20	406	4	520	3	94	4
Lienchiang County	291	3	121	1	57	0	47	1

Source: Bureau of Labor Insurance, Ministry of Labor

Table 35. General situation of labor insurance (continued)

Units, 1,000 Persons

End of Year & District	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
2011	541	2	3 614	2 557	39	297	56 297	635
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
2018	1 907	6	3 905	2 101	39	272	65 435	768
2019	1 927	6	3 926	2 052	39	265	67 406	798
2020	2 110	6	3 953	2 069	39	260	69 073	827
2021	2 446	7	4 000	2 120	39	258	70 856	848
2022	2 961	9	4 039	2 017	39	248	71 136	832
2023	3 155	10	4 050	1 940	39	240	72 832	859
Taiwan Area								
New Taipei City	428	2	309	276	5	23	10 479	109
Taipei City	45	0	339	282	-	-	15 852	192
Taoyuan City	74	0	305	141	2	1	5 606	69
Taichung City	65	0	389	217	1	2	10 168	114
Tainan City	87	0	336	140	2	63	5 377	61
Kaohsiung City	448	1	562	277	7	23	8 105	96
Yilan County	488	2	186	54	2	14	1 170	13
Hsinchu County	32	0	114	37	-	-	1 515	23
Miaoli County	19	0	108	34	2	7	1 151	14
Changhua County	31	0	188	88	1	14	2 942	39
Nantou County	1	0	114	44	1	4	1 188	14
Yunlin County	99	0	186	62	1	26	1 419	16
Chiayi County	75	0	67	15	1	16	775	13
Pingtung County	359	1	149	80	5	15	1 832	22
Taitung County	90	0	65	13	3	3	631	8
Hualien County	47	0	115	30	1	2	959	15
Penghu County	530	2	16	4	1	14	180	2
Keelung City	150	1	189	45	1	2	770	8
Hsinchu City	34	0	145	42	1	6	1 449	16
Chiayi City	1	0	149	57	-	-	1 064	14
Kinmen & Lienchiang Area								
Kinmen County	24	0	17	3	1	5	165	1
Lienchiang County	28	0	2	0	1	0	35	0

Table 35. General situation of labor insurance (continued)

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

Year & District	Premium receivable	Real benefit payments						
		Total	Pension benefit payments		Lump sum benefit payments			
			Amount	Persons (1)	Amount	Maternity, injury or sickness, permanent disability, old-age, death		Occupational accident medical care
		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
2011	23 416 708	14 448 200	194	2 663 126	577	11 492 423	1 439	292 651
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
2018	37 242 503	39 636 054	1 194	23 165 480	578	16 154 342	1 845	316 233
2019	40 080 147	42 265 671	1 307	26 001 786	576	15 923 139	1 944	340 746
2020	40 817 463	45 621 100	1 436	28 802 872	553	16 464 929	1 981	353 299
2021	43 571 515	46 357 564	1 536	31 638 569	530	14 371 116	2 010	347 879
2022	44 550 561	48 342 665	1 645	34 482 440	1 986	13 778 048	729	82 177
2023	47 607 574	52 066 868	1 796	38 309 329	1 116	13 757 539	-	-
Taiwan Area								
New Taipei City	6 529 544	7 835 123	268	5 708 597	151	2 126 526	-	-
Taipei City	11 666 081	10 700 451	362	7 993 430	238	2 707 021	-	-
Taoyuan City	4 532 494	4 171 736	131	2 901 078	108	1 270 658	-	-
Taichung City	5 512 316	5 090 359	179	3 617 604	140	1 472 755	-	-
Tainan City	3 253 303	3 583 706	136	2 633 379	83	950 327	-	-
Kaohsiung City	4 878 934	6 733 467	234	5 121 786	135	1 611 681	-	-
Yilan County	633 611	1 190 510	38	899 760	17	290 750	-	-
Hsinchu County	1 381 383	974 339	29	650 160	30	324 179	-	-
Miaoli County	689 094	991 581	34	752 064	18	239 517	-	-
Changhua County	1 804 823	2 219 307	83	1 670 933	47	548 374	-	-
Nantou County	565 427	970 617	37	782 184	13	188 433	-	-
Yunlin County	940 922	1 310 443	48	1 000 029	22	310 414	-	-
Chiayi County	487 942	573 146	19	402 168	12	170 978	-	-
Pingtung County	874 735	1 322 539	48	953 502	25	369 038	-	-
Taitung County	189 587	300 101	11	217 354	5	82 747	-	-
Hualien County	379 965	701 954	24	531 484	10	170 470	-	-
Penghu County	127 214	196 864	7	143 450	3	53 414	-	-
Keelung City	420 965	1 049 727	34	804 079	11	245 648	-	-
Hsinchu City	2 152 422	1 110 724	32	706 520	35	404 203	-	-
Chiayi City	480 815	887 120	33	695 095	12	192 025	-	-
Kinmen & Lienchiang Area								
Kinmen County	92 693	125 047	4	100 222	2	24 825	-	-
Lienchiang County	13 304	17 861	1	14 302	0	3 559	-	-

Note: (1) End of year

Table 36. General situation of farmer's health insurance

Units, Persons, Cases, 10 Thousand NT\$

Year & District	No. of insured units (1)	No. of insured persons (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
2001	289	1 766 854	546 612	96 844	1 308 879
2006	288	1 622 923	505 760	59 775	847 952
2011	287	1 479 148	463 073	56 859	849 452
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
2018	287	1 130 275	353 008	45 518	737 345
2019	287	1 084 030	337 589	45 001	739 890
2020	287	1 046 201	326 889	42 309	686 845
2021	287	1 005 715	318 144	41 417	669 552
2022	287	958 705	305 306	43 460	699 737
2023	287	914 286	546 468	41 516	1 028 444
Taiwan Area					
New Taipei City	24	24 900	15 116	1 368	35 315
Taipei City	9	4 822	2 905	198	5 107
Taoyuan City	13	40 306	24 174	1 823	46 683
Taichung City	22	72 444	43 632	2 969	72 057
Tainan City	32	105 711	62 618	4 880	122 467
Kaohsiung City	26	73 437	44 183	3 304	82 291
Yilan County	10	21 429	12 916	1 141	29 112
Hsinchu County	11	20 293	12 246	1 279	33 839
Miaoli County	17	44 460	26 694	2 377	61 191
Changhua County	26	114 697	68 023	4 822	117 817
Nantou County	13	63 180	37 947	2 694	64 529
Yunlin County	20	100 506	60 097	4 626	111 194
Chiayi County	17	85 565	50 793	3 498	84 768
Pingtung County	24	88 276	52 813	3 693	89 546
Taitung County	8	22 273	13 194	949	23 787
Hualien County	9	16 904	9 965	897	22 861
Penghu County	1	2 978	1 833	314	8 410
Keelung City	1	370	227	26	668
Hsinchu City	1	2 374	1 442	161	4 241
Chiayi City	1	5 960	3 583	261	6 516
Kinmen & Lienchiang Area					
Kinmen County	1	3 342	2 032	228	5 847
Lienchiang County	1	59	36	8	199

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 (1)		Premiums		Cash benefits (including pension benefit payments) (2)				
					Total		Disability		Old age (3)
	GESSI	RGEI	GESSI	RGEI	Persons	Amount	Persons	Amount	Persons
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
2018	589 483	78	24 863 074	260	46 050	23 212 324	751	294 712	14 638
2019	591 856	62	23 511 420	206	45 353	24 657 067	807	326 439	15 252
2020	594 346	52	23 622 980	174	42 406	21 937 919	709	286 431	13 335
2021	587 466	41	23 627 454	145	42 460	22 956 152	645	258 598	13 601
2022	589 117	33	22 626 008	123	47 202	29 334 672	936	349 873	16 161
2023	588 851	25	22 804 595	98	47 009	31 180 393	1 288	458 170	16 840
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
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
2018	19 317 586	512	662 135	15 336	1 861 466	6 055	532 565	8 758	543 862
2019	20 774 112	522	679 997	14 996	1 855 867	5 741	514 850	8 035	505 803
2020	18 271 186	443	582 886	15 041	1 870 381	5 396	491 008	7 482	472 027
2021	19 249 216	442	607 126	15 377	1 923 152	5 402	474 771	6 993	443 289
2022	25 086 953	472	685 318	17 325	2 245 806	5 935	550 814	6 373	415 909
2023	26 818 194	509	747 651	17 064	2 248 630	5 347	513 032	5 961	394 715

Note: (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 & District	No. of insured persons (1)	Premium receivable			Real insurance benefit payments (2)	
		Total	Premium paid by government	Premium paid by the insured	Persons	Amount
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
2018	3 286 664	51 895 695	18 971 769	32 923 925	1 770 198	78 982 940
2019	3 230 918	53 850 441	19 571 334	34 279 107	1 833 837	82 111 121
2020	3 105 983	51 623 391	18 386 321	33 237 070	1 887 352	86 699 697
2021	2 911 028	51 407 748	18 266 356	33 141 392	1 927 506	88 596 831
2022	2 810 844	47 912 832	17 167 805	30 745 026	1 962 187	90 349 098
2023	2 899 073	53 369 930	30 775 717	22 594 213	2 024 715	94 491 581
Taiwan Area						
New Taipei City	518 883	9 592 229	5 492 150	4 100 079	388 232	18 380 798
Taipei City	353 155	6 717 866	3 949 120	2 768 746	286 191	13 852 728
Taoyuan City	299 577	5 499 417	3 139 690	2 359 727	190 968	8 981 486
Taichung City	392 467	7 249 112	4 208 021	3 041 092	225 335	10 446 982
Tainan City	210 084	3 917 333	2 242 273	1 675 060	145 845	6 717 284
Kaohsiung City	325 158	5 947 500	3 446 398	2 501 101	239 136	10 849 179
Yilan County	41 537	745 339	429 213	316 126	39 416	1 832 221
Hsinchu County	63 945	1 164 700	659 991	504 709	44 035	2 058 588
Miaoli County	58 231	1 055 516	607 721	447 794	43 014	2 013 728
Changhua County	138 893	2 564 544	1 503 086	1 061 458	90 431	4 137 194
Nantou County	60 858	1 065 415	595 789	469 626	34 355	1 548 027
Yunlin County	62 312	1 118 639	650 184	468 455	39 744	1 815 263
Chiayi County	51 165	924 005	516 113	407 893	31 400	1 411 809
Pingtung County	100 441	1 786 422	1 040 535	745 887	61 083	2 702 371
Taitung County	35 136	625 732	358 708	267 025	21 895	1 008 590
Hualien County	44 331	784 260	447 032	337 228	32 897	1 507 307
Penghu County	8 148	149 729	86 367	63 362	7 214	293 430
Keelung City	39 502	710 839	404 353	306 486	38 408	1 885 839
Hsinchu City	47 541	887 007	511 747	375 261	33 949	1 586 309
Chiayi City	31 085	562 881	319 021	243 859	21 264	995 682
Kinmen & Lienchiang Area						
Kinmen County	15 257	277 139	155 082	122 057	8 901	420 058
Lienchiang County	1 367	24 306	13 124	11 182	1 002	46 708

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) (At current prices)
	At current prices		Chained (2016) dollars			Amount (Million NT\$)
	Amount (Million NT\$)	Annual rate of increase (%)	Amount (Million US\$)	Chained dollars (Million NT\$)	Economic growth rate (%)	
1951	12 327	-	1 197	156 918	-	12 320
1981	1 804 431	18.52	49 047	2 512 595	7.10	1 794 778
1991	5 018 019	12.15	187 100	5 592 915	8.37	5 153 461
2001	10 119 429	-2.02	299 303	9 724 993	-1.40	10 308 613
2011	14 262 201	1.44	483 957	15 436 975	3.67	14 634 307
2014	16 258 047	6.47	535 332	16 935 007	4.72	16 697 152
2015	17 055 080	4.90	534 474	17 183 235	1.47	17 494 741
2016	17 555 268	2.93	543 002	17 555 268	2.17	18 006 409
2017	17 983 347	2.44	590 780	18 136 589	3.31	18 430 708
2018	18 375 022	2.18	609 251	18 642 014	2.79	18 789 823
2019	18 908 632	2.90	611 336	19 213 196	3.06	19 384 783
2020	19 914 806	5.32	673 252	19 863 877	3.39	20 486 586
2021	21 663 231	8.78	773 135	21 178 952	6.62	22 231 360
2022	22 679 843	4.69	760 813	21 727 151	2.59	23 374 561
2023	23 544 961	3.81	755 121	22 005 118	1.28	24 302 552
Year	Gross national income (GNI) (At current prices)		National income (NI)			
	Annual rate of increase (%)	Amount (Million US\$)	At current prices		Chained (2016) dollars	
			Amount (Million NT\$)	Amount (Million US\$)	Chained dollars (Million NT\$)	Annual rate of increase (%)
1951	-	1 196	12 276	1 192	168 377	-
1981	18.05	48 784	1 612 497	43 830	2 414 184	6.16
1991	12.24	192 150	4 682 161	174 577	5 785 410	8.90
2001	-1.50	304 898	8 979 918	265 599	9 288 056	-3.79
2011	1.09	496 583	12 227 309	414 907	12 339 892	0.73
2014	6.53	549 791	14 212 193	467 968	14 127 703	7.08
2015	4.78	548 253	14 860 645	465 705	14 950 537	5.82
2016	2.92	556 957	15 305 453	473 413	15 305 453	2.37
2017	2.36	605 477	15 733 800	516 879	15 765 865	3.01
2018	1.95	623 005	15 968 442	529 458	15 864 685	0.63
2019	3.17	626 731	16 312 542	527 402	16 198 726	2.11
2020	5.68	692 582	17 232 544	582 574	17 342 426	7.06
2021	8.52	793 410	18 912 683	674 971	18 318 362	5.63
2022	5.14	784 118	19 548 997	655 787	18 291 383	-0.15
2023	3.97	779 546	19 997 048	641 377	18 543 960	1.38

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 (NT\$)	Annual rate of increase (%)	Amount (US\$)	Annual rate of increase (%)	Amount (NT\$)
1951	1 589	-	154	-	1 588
1981	100 079	16.38	2 720	13.86	99 544
1991	244 739	10.92	9 125	11.21	251 345
2001	452 951	-2.71	13 397	-10.14	461 419
2011	614 922	1.21	20 866	8.69	630 965
2014	694 680	6.20	22 874	4.10	713 443
2015	726 895	4.64	22 780	-0.41	745 634
2016	746 526	2.70	23 091	1.37	765 711
2017	763 445	2.27	25 080	8.61	782 437
2018	779 260	2.07	25 838	3.02	796 852
2019	801 348	2.83	25 908	0.27	821 527
2020	844 485	5.38	28 549	10.19	868 732
2021	923 086	9.31	32 944	15.39	947 294
2022	972 550	5.36	32 625	-0.97	1 002 341
2023	1 007 685	3.61	32 319	-0.94	1 040 126
Year	Per capita GNI	Per capita NI		Per capita private final consumption	
	Amount (US\$)	Amount (NT\$)	Amount (US\$)	Amount (NT\$)	Amount (US\$)
1951	154	1 582	154	1 157	112
1981	2 706	89 434	2 431	51 381	1 397
1991	9 372	228 358	8 514	127 865	4 768
2001	13 647	401 946	11 888	257 619	7 620
2011	21 410	527 186	17 889	335 222	11 375
2014	23 492	607 264	19 996	367 586	12 104
2015	23 367	633 367	19 849	374 530	11 737
2016	23 684	650 854	20 132	386 209	11 946
2017	25 704	667 945	21 943	395 902	13 006
2018	26 421	677 201	22 454	407 568	13 514
2019	26 561	691 326	22 351	418 844	13 542
2020	29 369	730 744	24 704	407 134	13 764
2021	33 808	805 883	28 761	413 574	14 760
2022	33 624	838 294	28 121	444 329	14 905
2023	33 365	855 846	27 451	489 789	15 718

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

Table 41. Gross national income

Chained (2016) dollars

Million NT\$

Year	GNI	GDP	Net factor income from the rest of the world	Gain or loss resulting from changes in the terms of trade	NI			Consumption of fixed capital	Statistical discrepancy
					at market prices	NI at factor cost	Net taxes on production and imports		
1951	163 187	156 918	- 208	5 687	168 377	153 790	14 186	323	0
1981	2 663 796	2 512 595	- 16 650	149 710	2 414 184	2 133 095	264 672	249 481	- 14 960
1991	6 457 778	5 592 915	197 030	679 957	5 785 410	5 235 013	550 820	607 956	26 453
2001	10 956 059	9 724 993	221 157	1 001 953	9 288 056	8 652 703	642 023	1 585 104	65 230
2011	14 683 569	15 436 975	391 231	- 1 144 749	12 339 892	11 526 315	815 639	2 367 961	- 24 891
2014	16 564 562	16 935 007	443 686	- 814 222	14 127 703	13 236 549	891 914	2 550 223	- 113 302
2015	17 547 430	17 183 235	446 330	- 82 111	14 950 537	14 041 824	908 694	2 623 072	- 26 345
2016	18 006 409	17 555 268	451 141	0	15 305 453	14 346 163	959 290	2 700 956	0
2017	18 479 611	18 136 589	443 260	- 100 238	15 765 865	14 775 599	990 266	2 778 339	- 64 593
2018	18 638 507	18 642 014	406 600	- 409 592	15 864 685	14 829 246	1 035 767	2 851 224	- 77 358
2019	19 125 365	19 213 196	463 817	- 552 635	16 198 726	15 159 996	1 039 063	2 942 339	- 15 820
2020	20 392 893	19 863 877	557 927	- 33 068	17 342 426	16 436 114	906 579	3 058 599	- 6 821
2021	21 466 971	21 178 952	543 628	- 258 964	18 318 362	17 278 954	1 040 155	3 207 065	- 56 122
2022	21 720 092	21 727 151	645 579	- 658 046	18 291 383	17 164 739	1 131 678	3 389 630	34 532
2023	22 341 977	22 005 118	687 329	- 357 092	18 543 960	17 417 664	1 130 537	3 557 519	232 332

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 (2016) dollars

Million NT\$

Year	GDP	Expenditure on gross domestic product					
		Private final consumption	Government final consumption	Gross fixed capital formation	Changes in inventories	Exports of goods and services	Imports of goods and services
1951	156 918	112 338	62 122	12 495	5 953	9 026	22 673
1981	2 512 595	1 431 014	610 226	764 029	23 927	764 625	924 360
1991	5 592 915	3 399 946	1 386 701	1 699 619	58 555	2 184 878	2 733 335
2001	9 724 993	6 266 946	2 013 348	2 770 811	- 44 014	4 351 942	4 962 150
2011	15 436 975	7 936 336	2 287 674	3 278 240	48 429	10 654 521	8 750 115
2014	16 935 007	8 602 399	2 397 202	3 584 961	54 700	11 876 154	9 584 756
2015	17 183 235	8 848 554	2 394 167	3 681 042	51 517	11 918 840	9 711 038
2016	17 555 268	9 082 075	2 482 242	3 807 567	- 10 001	11 808 128	9 614 743
2017	18 136 589	9 327 236	2 472 048	3 797 673	- 28 946	12 339 710	9 771 132
2018	18 642 014	9 518 819	2 571 378	3 918 943	111 662	12 363 847	9 847 257
2019	19 213 196	9 733 104	2 585 465	4 354 574	- 35 243	12 449 233	9 895 853
2020	19 863 877	9 484 590	2 657 222	4 622 232	8 190	12 597 401	9 545 502
2021	21 178 952	9 460 904	2 758 386	5 284 267	169 210	14 508 986	11 021 702
2022	21 727 151	9 815 517	2 891 489	5 695 269	6 746	14 763 552	11 497 407
2023	22 005 118	10 619 894	2 919 190	5 225 793	- 122 709	14 093 923	10 805 422

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		
	Residential buildings	Non-residential buildings	Other constructions except land improvement	Land improvement and plantation and orchard development	Transport equipments	Machinery and equipments	Breeding stock, draught animals, dairy cattle and the like	Intellectual property products	Private enterprises	Public enterprises	General government
1951	8.96	21.47	23.32	0.37	9.33	34.79	0.07	1.70	53.96	28.72	17.32
1981	11.82	18.37	13.47	0.24	8.14	44.33	0.14	3.50	50.77	32.45	16.79
1991	9.58	17.65	20.34	0.57	8.64	34.72	0.30	8.20	50.85	21.91	27.25
2001	6.35	15.64	16.21	1.36	7.53	38.23	0.03	14.65	65.84	11.02	23.13
2011	10.43	17.30	10.90	0.83	5.36	36.33	0.10	18.76	76.21	6.58	17.21
2014	11.62	19.90	8.41	0.52	6.10	32.61	0.07	20.76	81.31	5.82	12.87
2015	11.67	19.77	7.62	0.44	6.25	32.73	0.07	21.44	82.69	5.23	12.09
2016	10.11	19.64	7.22	0.40	6.12	34.46	0.06	21.99	83.33	4.90	11.77
2017	10.23	19.76	7.76	0.43	6.37	32.41	0.08	22.96	82.52	4.86	12.63
2018	10.01	20.12	7.89	0.42	6.04	32.20	0.07	23.25	81.93	5.33	12.73
2019	9.15	18.45	8.76	0.50	5.29	35.65	0.05	22.14	82.63	4.85	12.52
2020	9.58	17.75	9.75	0.44	4.89	34.47	0.06	23.07	81.65	5.78	12.57
2021	10.44	17.81	8.10	0.34	4.74	36.51	0.07	22.00	84.64	5.19	10.17
2022	9.98	17.16	8.42	0.51	4.45	38.11	0.04	21.33	84.45	5.39	10.16
2023		37.97			5.52	32.98		23.53	81.77	6.49	11.74

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

Table 44. Gross domestic product and expenditure

At current prices

Million NT \$

Item	2016	2017	2018	2019	2020	2021	2022	2023
Compensation of employees	7 740 858	8 024 870	8 416 746	8 693 294	8 866 888	9 384 387	9 927 283	} 18 013 695
Operating surplus	6 154 164	6 281 062	6 094 520	6 097 178	6 897 863	7 933 099	7 776 324	
Consumption of fixed capital	2 700 956	2 768 310	2 898 233	3 046 253	3 175 590	3 444 118	3 773 606	4 041 361
Taxes on production and imports	1 035 207	1 053 682	1 118 892	1 132 269	1 159 913	1 246 425	1 295 111	} 1 225 762
Less: subsidies	75 917	73 175	76 517	86 350	263 900	219 357	144 439	
Plus: statistical discrepancy	-	- 71 402	- 76 852	25 988	78 452	- 125 441	51 958	264 143
Gross domestic product	17 555 268	17 983 347	18 375 022	18 908 632	19 914 806	21 663 231	22 679 843	23 544 961
Government final consumption expenditure	2 482 242	2 486 552	2 623 385	2 652 859	2 772 825	2 944 989	3 157 324	3 225 745
Private final consumption expenditure	9 082 075	9 325 676	9 610 482	9 883 066	9 601 096	9 705 876	10 361 735	11 443 544
Changes in inventories	- 10 001	- 24 580	84 773	- 26 325	5 524	245 785	9 625	- 136 257
Gross fixed capital formation	3 807 567	3 795 869	4 001 128	4 526 606	4 817 276	5 691 783	6 374 236	5 974 647
Exports of goods and services	11 808 128	12 095 508	12 191 349	11 922 648	11 567 527	14 040 574	15 862 030	14 890 456
Less: imports of goods and services	9 614 743	9 695 678	10 136 095	10 050 222	8 849 442	10 965 776	13 085 107	11 853 174
Gross domestic product	17 555 268	17 983 347	18 375 022	18 908 632	19 914 806	21 663 231	22 679 843	23 544 961

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

Table 45. National disposable income and its appropriation

At current prices

Million NT \$

Item	2016	2017	2018	2019	2020	2021	2022	2023
Government final consumption expenditure	2 482 242	2 486 552	2 623 385	2 652 859	2 772 825	2 944 989	3 157 324	3 225 745
Private final consumption expenditure	9 082 075	9 325 676	9 610 482	9 883 066	9 601 096	9 705 876	10 361 735	11 443 544
Net Saving	3 638 664	3 795 630	3 634 404	3 688 815	4 765 318	6 186 490	5 934 052	5 172 724
Appropriation of disposable income	15 202 981	15 607 858	15 868 271	16 224 740	17 139 239	18 837 355	19 453 111	19 842 013
Compensation of employees	7 740 858	8 024 870	8 416 746	8 693 294	8 866 888	9 384 387	9 927 283	} 18 013 695
Operating surplus	6 154 164	6 281 062	6 094 520	6 097 178	6 897 863	7 933 099	7 776 324	
Compensation of employees from ROW, net	4 590	6 241	8 898	13 051	13 401	12 274	13 800	10 203
Property and entrepreneurial income from ROW, net	446 551	441 120	405 903	463 100	558 379	555 855	680 918	747 388
Taxes on production and imports	1 035 207	1 053 682	1 118 892	1 132 269	1 159 913	1 246 425	1 295 111	} 1 225 762
Less: subsidies	75 917	73 175	76 517	86 350	263 900	219 357	144 439	
Other current transfers from ROW, net	- 102 472	- 125 942	- 100 171	- 87 802	- 93 305	- 75 328	- 95 886	- 155 035
Disposable income	15 202 981	15 607 858	15 868 271	16 224 740	17 139 239	18 837 355	19 453 111	19 842 013

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 (Lowest 20%)	2	3	4	5 (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
2011	907 988	296 352	546 903	786 324	1 083 008	1 827 354	6.17	0.342	73.30	26.70
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
2018	1 036 304	344 948	637 775	888 498	1 211 270	2 099 030	6.09	0.338	70.73	29.27
2019	1 059 731	350 189	645 272	911 571	1 253 751	2 137 871	6.10	0.339	70.34	29.66
2020	1 079 648	354 959	657 313	929 551	1 280 022	2 176 394	6.13	0.340	69.02	30.98
2021	1 090 554	358 594	662 440	935 016	1 291 029	2 205 691	6.15	0.341	69.14	30.86
2022	1 108 569	364 876	672 906	954 383	1 306 283	2 244 401	6.15	0.342	68.17	31.83
2023	1 136 708	375 828	687 207	976 721	1 341 995	2 301 788	6.12	0.339	66.98	33.02

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

Table 47. Family income and expenditure

Persons, NT\$

Year	No. of persons per household	No. of persons employed per household	Per household					Average disposable income (A)
			Current receipts					
			Total	Compensation of employees	Entrepreneurial income	Property income	Transfer 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
2011	3.29	1.49	1 157 895	646 849	147 071	170 078	193 897	907 988
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
2018	3.05	1.42	1 310 447	707 123	158 872	192 481	251 971	1 036 304
2019	3.02	1.40	1 335 845	724 607	157 174	194 064	260 000	1 059 731
2020	2.92	1.37	1 356 343	725 932	155 828	195 412	279 171	1 079 648
2021	2.89	1.35	1 378 390	732 783	154 289	197 891	293 427	1 090 554
2022	2.83	1.34	1 406 998	747 733	157 772	205 791	295 703	1 108 569
2023	2.79	1.34	1 443 071	758 690	158 897	210 197	315 287	1 136 708

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					Average propensity to consume (C)=(B)/(A)*100
	Expenditure (B)	Food, beverage and tobacco	Health	Recreation, culture and education		
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
2011	729 010	118 263	106 607	75 697		80.29
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
2018	811 359	126 225	128 632	75 113		78.29
2019	829 199	126 084	132 719	79 053		78.25
2020	815 100	127 202	139 010	61 464		75.50
2021	815 442	129 023	144 966	51 718		74.77
2022	834 537	127 071	148 598	52 903		75.28
2023	861 305	131 711	152 413	60 072		75.77
Year	Per household		Per capita			
	Savings (D)	Savings rate (E)=(D)/(A)*100	Current receipts	Average 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
2011	178 978	19.71	351 944	275 984	221 584	54 401
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
2018	224 945	21.71	429 655	339 772	266 019	73 752
2019	230 532	21.75	442 333	350 904	274 569	76 335
2020	264 548	24.50	464 501	369 742	279 144	90 599
2021	275 112	25.23	476 952	377 354	282 160	95 194
2022	274 032	24.72	497 172	391 720	294 889	96 831
2023	275 402	24.23	517 230	407 422	308 711	98 710

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
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
2014	1 027 657	269	1 791	657 916	1 371	910	4 312	109 564	1 881	3 778	12 759	164 463	32 530
2015	1 096 549	220	2 154	648 557	2 496	815	1 127	68 052	4 228	1 447	12 837	277 399	31 953
2016	967 073	800	921	711 222	2 930	4 605	6 665	53 637	7 197	2 442	5 534	135 691	9 363
2017	924 886	1 681	2 270	643 556	-	5 544	658	106 292	3 780	2 250	6 574	107 183	14 868
2018	849 773	2 604	-	597 553	1 500	-	5 281	119 407	15 843	8 480	5 240	58 374	7 947
2019	417 309	5 239	-	240 806	895	260	914	102 849	14 675	661	5 041	23 176	3 732
2020	590 649	8 101	8	334 141	0	6 578	4 278	141 904	20 722	3 097	1 935	51 497	1 526
2021	586 317	7 100	700	449 635	3 712	1 010	1 144	62 554	1 870	853	3 545	32 638	1 575
2022	504 676	2 000	-	360 715	2 286	36	866	37 500	14 187	1 137	1 432	19 443	4 318
2023	303 682	12	64	176 932	-	201	189	47 617	805	1 052	1 741	20 717	1 000
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
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
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
2018	14 442	8 566	1 182	923	2 432	219 304	129 743	118 955	97 673	96 377	17 894	8 379	161 448
2019	14 755	973	787	553	1 993	143 407	43 485	38 685	40 600	55 263	6 111	17 381	72 377
2020	11 525	4 139	362	387	446	208 600	36 190	41 099	145 272	80 253	15 405	2 811	61 018
2021	14 738	4 383	-	90	770	266 994	63 242	36 961	45 901	36 462	5 602	2 832	128 323
2022	37 484	6 209	4 371	-	12 691	147 465	64 477	51 525	113 086	58 925	5 264	7 146	56 788
2023	28 485	41	24 406	21	400	125 013	32 337	30 920	21 702	57 021	4 126	101	32 464

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

Source: Department of Investment Review, 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	-	-	-	-
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
2011	495 543	5 153	490 390	3 087	318	146 325	1 683	7	6 476	74 899
2014	577 002	1 881	575 121	536	1	234 600	333	398	3 582	78 572
2015	479 685	1 484	478 200	194	-	133 155	285	1 695	607	107 369
2016	1 103 706	1 083	1 102 623	1 607	18	756 636	94	26	2 755	123 575
2017	751 319	940	750 379	3 012	4	304 823	183	1 356	3 593	89 380
2018	1 144 023	1 177	1 142 846	378	9	591 883	6 239	1 724	3 165	90 536
2019	1 119 597	3 875	1 115 722	593	1	429 514	47 878	532	6 087	107 328
2020	914 434	805	913 628	1 964	63	168 845	109 961	681	4 697	115 009
2021	747 627	448	747 179	596	0	168 665	14 319	2 066	27 681	91 245
2022	1 330 327	432	1 329 894	40	17	229 105	188 360	955	6 255	190 594
2023	1 125 477	812	1 124 665	314	-	138 588	155 691	1 431	5 326	100 108

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	-	-	-	-	-	-	-	-	-	-
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
2011	1 576	2 783	11 918	182 359	24 327	22 742	1 939	-	241	14 864
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
2018	4 397	6 176	23 956	323 978	45 265	37 866	836	-	5 879	1 736
2019	8 472	35 847	124 558	217 742	28 117	103 919	2 511	9	3 479	3 011
2020	2 573	13 598	36 296	278 632	47 342	130 563	2 302	-	689	1 220
2021	5 573	6 243	62 325	229 150	65 348	41 234	30 417	-	875	1 892
2022	6 355	7 495	49 811	553 401	36 598	49 726	3 334	-	626	7 656
2023	5 693	2 732	71 267	535 079	23 772	73 475	10 993	21	265	721

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

Source: Department of Investment Review, 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	
1962	49	49	-	-	-	-	-	-	-
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
2011	369 683	172 392	25 235	2 800	25 435	44 859	114	13 020	6 917
2014	729 368	248 227	68 002	17 115	42 342	13 677	11 667	3 179	4 093
2015	1 093 115	466 067	30 379	33 605	49 214	23 003	40 483	10 359	64 428
2016	1 212 309	748 802	450 422	21 433	40 771	155 389	4 563	7 997	6 176
2017	1 157 321	356 942	20 204	892	29 480	91 564	12 225	31 272	22 573
2018	1 429 456	364 883	61 988	22 071	57 771	16 597	13 461	5 411	14 970
2019	685 115	321 441	7 192	1 467	45 738	63 571	14 880	10 197	10 672
2020	1 180 511	417 738	38 840	4 113	91 164	63 814	51 237	4 079	9 211
2021	1 259 913	872 554	221 637	42 820	26 076	371 253	26 376	12 414	2 248
2022	996 228	613 323	7 328	46 743	23 804	336 318	30 459	8 639	2 583
2023	2 357 724	639 289	21 480	40 396	24 217	243 756	26 586	28 343	19 008

Year	Asia			North America	Europe	Middle-South America	British overseas territories in the Caribbean	Oceania	Africa
	Thailand	Vietnam	India						
1962	49	-	-	-	-	-	-	-	-
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
2011	1 166	45 774	6 705	73 215	3 925	104 886	80 046	12 207	3 057
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	269 731	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
2018	14 638	90 141	36 122	204 544	128 742	658 970	591 426	64 401	7 916
2019	32 769	91 487	7 038	56 659	76 714	153 911	131 033	73 883	2 508
2020	16 597	76 744	15 262	427 329	156 783	117 130	109 533	42 290	19 241
2021	34 136	106 146	17 276	48 307	73 042	237 641	118 135	20 389	7 979
2022	27 522	54 908	10 859	109 504	89 758	113 318	94 747	64 759	5 567
2023	92 812	103 341	16 299	970 508	539 941	139 837	127 569	59 556	8 594

Table 50. Indices of consumer price

2021=100

Year	General index	Food	Clothing	Housing	Transportation & communication		Fuels & lubricants
					Equipment for transportation & communication		
Item	368	171	23	46	30	5	5
Weights (‰)	1000.00	254.44	53.04	242.33	143.92	46.35	27.17
1991	65.81	47.68	90.22	76.86	88.98	124.42	60.84
1996	78.72	61.38	93.21	90.78	91.83	125.54	57.08
2001	81.92	62.85	86.91	92.76	95.22	119.58	67.92
2006	85.26	69.63	87.82	91.74	98.65	109.67	92.44
2011	91.21	79.63	94.66	94.99	102.97	106.47	111.43
2014	94.83	87.14	98.10	97.82	102.64	104.45	117.21
2015	94.54	89.86	97.55	96.71	96.65	104.43	87.92
2016	95.86	94.56	97.75	96.48	95.57	104.00	82.75
2017	96.45	94.21	97.51	97.31	97.31	103.32	90.49
2018	97.76	95.15	97.79	98.20	99.51	101.74	102.50
2019	98.30	96.96	97.08	98.81	98.07	101.58	99.27
2020	98.07	97.61	98.26	99.09	94.27	100.29	81.93
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	102.95	105.66	102.38	102.26	103.46	102.07	108.40
2023	105.51	109.92	103.23	104.35	104.26	102.66	108.48

Year	Transportation & communication	Health	Education & entertainment	Education & entertainment		Miscellaneous	General index excluding fruits, vegetables & energy
	Services and vehicle parts for transportation & communication			Educational expenses	Entertainment expenses		
Item	20	21	48	24	24	29	294
Weights (‰)	70.40	47.82	128.68	62.69	66.00	129.78	912.33
1991	89.51	56.83	63.19	58.20	80.31	61.07	68.51
1996	97.22	63.99	85.37	83.73	91.95	69.21	80.66
2001	100.71	72.30	98.10	101.40	93.73	72.82	83.96
2006	98.48	83.51	96.98	101.23	90.89	79.14	85.77
2011	98.48	92.14	97.55	98.73	95.91	86.88	91.47
2014	95.86	94.39	98.46	98.03	98.98	90.38	94.17
2015	96.48	94.67	98.44	97.73	99.32	90.63	94.91
2016	96.69	95.49	98.53	97.62	99.67	91.89	95.70
2017	97.01	97.12	98.82	98.04	99.79	93.64	96.70
2018	97.12	98.15	99.04	98.53	99.46	98.08	97.87
2019	95.71	98.98	99.78	98.72	100.63	98.65	98.35
2020	95.32	99.77	98.81	99.32	98.42	99.61	98.69
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	102.15	101.22	101.18	101.02	101.47	101.37	102.61
2023	103.43	103.44	104.33	102.09	106.67	103.84	105.26

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

EXTERNAL TRADE

Table 51. Export orders by products

Million US\$

Year	Total	Chemicals	Plastics and articles thereof; rubber and articles thereof	Textile products	Basic metals and articles thereof	Electronic products
1991	74 953	1 521	5 041	12 164	5 729	7 787
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
2011	436 121	24 603	25 485	13 418	30 652	101 908
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
2018	511 823	23 914	24 706	12 250	29 610	132 854
2019	484 559	20 233	22 278	11 763	25 288	128 867
2020	533 663	17 413	21 781	10 310	24 862	161 442
2021	674 130	23 995	30 974	12 372	37 074	207 401
2022	666 786	23 366	25 288	12 434	31 715	223 572
2023	561 042	17 413	18 750	10 066	25 099	189 803

Year	Machineries	Electrical machinery products	Information & communication products	Transport equipments	Optical, photographic, cinematographic apparatus	Mineral products
1991	6 068	2 510	5 860	4 349	1 983	-
2001	8 021	5 065	24 251	4 458	3 639	-
2006	13 967	17 157	61 735	8 545	20 645	-
2011	20 849	17 892	109 029	10 658	36 718	-
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
2018	24 019	19 618	148 509	11 290	24 659	14 622
2019	20 004	19 134	144 803	11 796	22 592	13 565
2020	20 824	20 128	164 442	12 188	24 282	6 560
2021	26 800	22 602	193 066	17 642	31 419	10 501
2022	24 030	21 738	189 973	16 102	22 320	18 952
2023	19 214	18 512	166 023	12 162	19 143	14 939

Source: Ministry of Economic Affairs

Table 52. 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
2009	6 769 509	5 839 813	929 696	205 202	177 133	28 069
2010	8 757 385	8 073 600	683 785	277 352	255 746	21 606
2011	9 172 423	8 438 760	733 664	312 182	287 316	24 866
2012	9 037 337	8 185 595	851 742	305 315	276 466	28 848
2013	9 219 045	8 224 322	994 723	310 866	277 384	33 481
2014	9 663 422	8 502 862	1 160 560	319 413	281 096	38 318
2015	9 013 732	7 488 691	1 525 041	284 434	236 380	48 053
2016	8 997 181	7 385 919	1 611 262	279 175	229 199	49 975
2017	9 605 762	7 834 400	1 771 361	315 487	257 200	58 287
2018	10 069 089	8 587 123	1 481 966	334 007	284 792	49 216
2019	10 181 945	8 835 408	1 346 538	329 157	285 651	43 506
2020	10 198 736	8 460 562	1 738 174	345 126	286 148	58 978
2021	12 501 577	10 697 023	1 804 554	446 371	381 958	64 414
2022	14 218 243	12 702 450	1 515 793	479 415	428 083	51 333
2023	13 482 497	10 945 120	2 537 378	432 432	351 441	80 992

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

Source: Ministry of Finance

Table 53. Trade index

Reference year: 2021

Year	Value index		Quantum index		Unit value index		Net terms of trade (D)=(B)/(C)*100	Income terms of trade (E)=(A)*(D)/100
	Exports	Imports	Exports (A)	Imports	Exports (B)	Imports (C)		
2011	73.40	78.89	64.66	67.26	113.52	117.29	96.78	62.58
2012	72.40	76.57	64.64	65.68	112.02	116.58	96.08	62.10
2013	73.73	76.86	67.41	68.70	109.37	111.89	97.75	65.89
2014	77.30	79.49	70.37	72.31	109.85	109.92	99.93	70.32
2015	72.10	70.01	69.09	74.16	104.35	94.40	110.54	76.38
2016	71.97	69.05	70.68	73.73	101.83	93.64	108.74	76.85
2017	76.84	73.24	75.98	77.24	101.13	94.82	106.66	81.04
2018	80.54	80.28	78.32	79.00	102.84	101.61	101.21	79.26
2019	81.45	82.60	81.63	81.72	99.77	101.07	98.72	80.58
2020	81.58	79.09	86.26	86.18	94.58	91.78	103.05	88.89
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	113.73	118.75	101.39	101.82	112.17	116.62	96.19	97.52
2023	107.85	102.32	97.58	91.48	110.52	111.85	98.81	96.42

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

Table 54. Composition of exports and imports

I . Imports

Year	Total (Million US\$)	By the characteristic of goods (Million US\$)				By input factor intension (%)			
		Capital goods	Agricultural & industrial raw materials	Consumer goods	Others	Degree of labor intension			
						High	Mid	Low	
2009	177 133	23 245	134 069	18 165	1 654	32.99	53.85	13.15	
2010	255 746	38 612	191 589	23 424	2 121	34.22	52.48	13.29	
2011	287 316	36 751	220 204	27 948	2 412	32.10	51.61	16.28	
2012	276 466	34 057	211 747	28 502	2 160	31.11	53.41	15.47	
2013	277 384	36 116	207 970	30 139	3 160	30.52	53.76	15.71	
2014	281 096	37 769	207 485	31 739	4 103	32.10	53.76	14.13	
2015	236 380	37 217	162 412	32 205	4 547	36.33	52.38	11.28	
2016	229 199	41 109	153 100	31 705	3 285	35.11	54.49	10.40	
2017	257 200	40 555	178 799	34 145	3 700	34.22	54.62	11.16	
2018	284 792	41 866	203 223	36 180	3 523	32.64	56.18	11.18	
2019	285 651	50 760	193 906	37 227	3 758	32.58	57.23	10.19	
2020	286 148	52 641	191 064	38 631	3 812	33.50	56.79	9.71	
2021	381 958	68 911	264 946	43 773	4 328	30.94	57.60	11.47	
2022	428 083	75 471	299 705	48 210	4 696	29.37	59.45	11.18	
2023	351 441	62 082	237 328	46 466	5 565	31.50	57.88	10.61	
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
2009	48.34	45.70	5.96	53.52	32.96	13.52	38.76	39.91	21.33
2010	48.39	46.20	5.40	52.72	34.34	12.93	39.08	38.50	22.42
2011	49.33	45.00	5.67	52.57	34.17	13.25	41.91	37.27	20.82
2012	47.45	46.69	5.86	53.89	33.17	12.93	43.50	35.96	20.54
2013	48.07	45.63	6.31	53.88	33.49	12.63	42.86	36.25	20.89
2014	47.59	45.37	7.04	54.04	33.35	12.61	40.82	37.48	21.71
2015	47.40	44.32	8.27	51.42	35.24	13.34	32.98	43.30	23.71
2016	48.61	43.78	7.61	51.92	35.14	12.94	30.35	46.62	23.02
2017	49.57	43.13	7.31	53.81	32.91	13.27	31.78	45.67	22.55
2018	49.38	43.87	6.75	55.54	31.36	13.10	33.52	44.58	21.91
2019	46.75	46.32	6.94	54.94	32.24	12.82	29.81	47.43	22.76
2020	48.67	44.35	6.98	55.59	32.40	12.01	24.39	50.99	24.62
2021	48.51	45.47	6.01	55.58	32.38	12.04	26.86	50.43	22.71
2022	45.65	48.66	5.69	57.14	29.96	12.90	30.20	47.93	21.88
2023	46.12	46.98	6.90	56.58	30.26	13.15	27.95	48.04	24.02

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

Source: Ministry of Finance

Table 54. Composition of exports and imports (continued)

II. Exports

Million US\$

Year	Total (Million US\$)	By the characteristic of goods (Million US\$)				By input factor intension (%)			
		Capital goods	Intermediate products	Consumer goods	Others	Degree of labor intension			
						High	Mid	Low	
2009	205 202	21 310	161 704	21 116	1 072	30.80	51.13	18.07	
2010	277 352	29 303	217 127	29 704	1 219	31.64	50.86	17.49	
2011	312 182	33 633	240 383	36 889	1 277	30.13	51.09	18.78	
2012	305 315	33 749	237 644	32 622	1 299	30.27	50.59	19.14	
2013	310 866	32 648	243 997	32 577	1 644	29.20	51.56	19.24	
2014	319 413	34 234	251 431	32 047	1 701	29.78	53.14	17.08	
2015	284 434	33 362	220 423	28 879	1 770	31.90	56.40	11.70	
2016	279 175	33 737	217 062	26 648	1 729	30.45	59.23	10.32	
2017	315 487	37 870	247 902	27 875	1 840	29.46	60.50	10.04	
2018	334 007	40 459	263 063	28 647	1 838	29.71	60.01	10.28	
2019	329 157	44 118	253 493	29 668	1 879	28.22	61.48	10.30	
2020	345 126	46 117	265 810	31 162	2 037	25.84	63.56	10.60	
2021	446 371	56 107	350 407	37 575	2 282	25.57	63.58	10.85	
2022	479 415	64 405	378 975	34 109	1 926	23.32	66.79	9.89	
2023	432 432	81 653	319 529	29 509	1 741	21.08	68.79	10.13	
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
2009	61.12	34.65	4.23	59.11	30.47	10.42	27.00	48.46	24.55
2010	61.64	34.43	3.92	60.48	29.69	9.83	26.23	47.58	26.19
2011	60.09	35.91	4.00	58.80	31.45	9.75	27.35	47.47	25.18
2012	60.71	35.04	4.24	57.29	32.58	10.13	27.89	48.31	23.80
2013	62.11	33.66	4.23	58.36	31.61	10.04	28.00	48.54	23.46
2014	61.87	33.82	4.31	59.06	30.62	10.33	26.42	50.99	22.59
2015	58.52	36.80	4.68	60.05	29.05	10.91	22.52	54.55	22.93
2016	59.30	36.31	4.39	61.80	27.64	10.56	21.32	57.42	21.27
2017	60.23	35.83	3.93	62.50	27.45	10.05	20.88	58.64	20.48
2018	60.68	35.92	3.40	61.96	28.09	9.95	22.11	57.79	20.10
2019	59.48	37.26	3.26	63.45	26.69	9.85	19.97	58.13	21.90
2020	60.43	36.71	2.86	68.19	23.17	8.64	15.64	62.13	22.23
2021	61.35	36.03	2.62	67.77	23.89	8.34	16.94	61.12	21.93
2022	63.22	34.38	2.40	68.45	23.59	7.95	16.42	61.96	21.62
2023	62.20	35.51	2.29	71.81	21.13	7.06	13.81	61.77	24.43

Table 55. External trade by regions and principal countries

Million US\$

Year	Total		Asia (1)		Hong Kong		Japan		Korea
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports
	2009	205 202	177 133	145 955	122 746	29 708	1 048	14 607	36 751	7 366
2010	277 352	255 746	199 359	176 893	38 234	1 567	18 445	52 910	10 765
2011	312 182	287 316	223 752	196 985	40 682	1 586	19 120	53 149	12 486
2012	305 315	276 466	222 667	192 929	38 491	2 585	19 518	48 342	11 984
2013	310 866	277 384	229 500	191 837	41 183	1 585	19 391	43 690	12 223
2014	319 413	281 096	235 435	194 081	43 772	1 735	20 129	41 979	12 857
2015	284 434	236 380	208 286	160 282	39 116	1 468	19 557	38 865	12 772
2016	279 175	229 199	205 959	156 045	38 254	1 330	19 471	40 620	12 531
2017	315 487	257 200	235 105	175 661	41 165	1 512	20 574	41 939	14 416
2018	334 007	284 792	246 788	195 754	41 401	1 409	22 801	44 151	15 739
2019	329 157	285 651	237 161	192 795	40 325	1 062	23 279	44 052	16 917
2020	345 126	286 148	252 217	197 037	48 935	1 221	23 398	45 901	15 141
2021	446 371	381 958	321 158	263 098	62 972	1 709	29 206	56 117	20 140
2022	479 415	428 083	337 013	287 544	64 782	1 506	33 609	54 626	22 178
2023	432 432	351 441	291 981	231 458	56 515	1 485	31 436	44 330	18 205
Year	Asia (1)							Europe	
	Korea	Singapore		Malaysia		Thailand			
	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2009	10 558	8 699	4 814	4 082	4 701	3 873	2 701	22 642	19 776
2010	16 224	12 198	7 675	5 975	7 861	5 355	3 840	29 501	26 934
2011	18 186	16 978	8 022	6 924	8 793	6 214	4 405	31 364	30 775
2012	15 305	20 199	8 172	6 588	7 981	6 665	3 709	28 872	29 507
2013	16 163	19 609	8 606	8 243	8 255	6 432	3 793	27 906	31 012
2014	15 286	20 678	8 435	8 670	8 953	6 194	4 408	29 071	32 036
2015	13 453	17 396	7 171	7 197	6 734	5 770	4 043	25 869	28 491
2016	14 650	16 147	7 526	7 814	6 289	5 490	3 818	26 124	28 892
2017	16 893	17 620	8 711	10 368	7 178	6 381	4 357	28 778	31 315
2018	19 525	17 324	8 416	10 602	9 305	6 168	4 581	31 278	34 580
2019	17 741	18 184	7 922	9 400	10 366	5 518	4 253	29 770	36 530
2020	20 610	19 084	8 989	9 458	9 889	5 289	4 544	28 143	36 797
2021	30 640	25 719	12 073	13 328	11 799	7 024	5 961	38 484	47 331
2022	34 261	29 523	12 526	17 014	13 549	7 550	6 291	41 099	51 072
2023	28 418	29 738	9 524	15 166	9 685	10 859	5 380	42 284	46 572

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

(1) Including Middle East

Source: Ministry of Finance

Table 55. External trade by regions and principal countries (continued)

Million US\$

Year	Europe						North America, Central America and South America		U.S.A.
	Germany		Netherlands		United Kingdom		Exports	Imports	Exports
	Exports	Imports	Exports	Imports	Exports	Imports			
2009	4 721	5 745	4 246	1 868	2 985	1 291	29 518	23 911	23 620
2010	6 549	8 603	5 296	3 255	3 641	1 808	39 524	34 868	31 566
2011	6 935	9 884	4 609	2 963	4 628	2 118	46 032	36 853	36 451
2012	5 685	8 122	4 438	3 616	5 071	2 069	42 561	34 063	33 120
2013	5 671	8 497	4 498	4 669	4 330	1 923	41 692	37 134	32 630
2014	6 207	9 632	5 082	3 192	4 234	1 983	44 065	38 071	35 033
2015	5 982	8 765	4 181	2 807	3 905	1 991	42 720	35 704	34 448
2016	5 897	8 569	4 469	4 145	3 643	1 843	40 549	33 608	33 396
2017	6 429	9 198	4 972	3 476	3 756	1 944	44 692	36 297	36 773
2018	7 058	9 969	5 856	3 883	3 858	2 076	48 119	40 518	39 490
2019	6 522	9 403	5 863	7 879	3 576	2 020	54 565	42 888	46 247
2020	6 039	10 178	6 047	6 558	3 344	1 902	58 193	40 262	50 550
2021	8 173	12 506	8 079	10 233	4 149	2 375	76 429	50 550	65 686
2022	8 811	14 235	8 853	10 147	4 051	2 592	87 040	57 263	75 052
2023	8 139	13 892	12 927	7 456	3 626	2 726	86 962	50 843	76 234

Year		Oceania			Africa		Others		
	U.S.A.	Exports	Imports	Australia		Exports	Imports	Exports	Imports
	Imports			Exports	Imports				
2009	18 736	2 928	6 590	2 413	6 008	2 255	3 832	1 904	277
2010	26 274	4 018	9 914	3 208	9 036	2 245	7 016	2 705	121
2011	27 025	4 572	11 991	3 719	10 991	2 968	10 600	3 494	113
2012	24 844	4 756	10 375	3 712	9 462	3 127	9 485	3 333	108
2013	27 785	5 027	9 051	3 834	8 106	3 385	8 257	3 356	93
2014	29 338	4 617	9 436	3 645	7 589	2 820	7 401	3 405	70
2015	28 362	4 098	8 465	3 277	6 854	2 364	3 363	1 096	75
2016	27 087	3 703	7 532	2 948	6 118	1 913	3 037	926	85
2017	28 396	3 871	10 077	2 931	8 235	1 869	3 755	1 171	94
2018	33 105	4 235	11 296	3 395	9 552	2 106	2 542	1 481	102
2019	34 850	4 007	11 753	3 237	10 017	2 117	1 584	1 537	100
2020	32 514	3 951	9 721	3 229	8 063	1 704	2 235	917	96
2021	39 259	5 841	16 850	4 808	14 939	2 222	4 008	2 237	121
2022	45 691	9 054	27 311	7 538	24 642	3 025	4 764	2 185	129
2023	40 617	6 902	19 653	5 797	17 504	1 941	2 798	2 362	117

AGRICULTURE, FORESTRY AND FISHING

Table 56. Indices of agricultural, forestry and fishery production

2021=100

Year	General index	Crop products									
		Group index	Common crops			Special crops	Fruits	Vegetables	Mushrooms	Flowers	
			Sub-group index	Rice	Coarse grain						
No. of commodities	191	107	10	1	9	8	28	41	5	15	
1950	23.33	59.38	120.79	112.07	200.36	138.26	6.60	27.96	-	-	
1981	92.26	125.72	184.19	192.54	166.70	219.88	71.39	131.80	869.99	12.10	
1991	117.41	121.83	152.20	147.75	193.47	211.64	97.90	115.79	208.97	49.68	
2001	116.61	111.12	106.14	110.12	90.68	190.04	98.44	119.61	97.90	86.29	
2011	106.63	109.99	104.00	106.70	93.61	101.90	113.61	112.79	93.70	101.23	
2014	104.70	108.30	109.69	110.89	105.00	95.77	108.81	108.82	97.59	100.39	
2015	101.15	103.35	101.49	101.25	102.39	93.14	103.77	103.35	102.37	102.48	
2016	97.48	98.32	101.65	101.54	101.97	105.39	90.41	103.43	114.89	102.44	
2017	103.11	107.81	110.91	112.29	106.73	114.45	106.25	108.30	108.95	101.22	
2018	105.64	111.24	119.70	124.95	103.78	117.23	107.94	111.22	114.13	101.82	
2019	101.51	102.73	109.59	114.70	94.05	115.14	98.09	103.17	100.83	102.60	
2020	101.82	105.27	110.81	112.11	106.82	113.15	105.36	101.64	96.94	103.41	
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
2022	97.02	97.07	101.26	100.91	102.40	110.58	92.86	98.48	88.49	99.33	
2023	95.70	94.70	93.88	93.51	95.08	100.77	95.44	93.10	91.98	97.15	
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	Aquaculture fisheries
No. of commodities	12	5	7	14	1	13	58	6	22	19	11
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
1981	2 396.85	2 617.46	4 038.62	49.79	73.04	30.27	120.27	65.86	427.42	163.23	100.57
1991	760.55	277.40	3 840.85	93.53	136.68	56.79	163.34	143.14	278.84	172.37	145.28
2001	340.20	55.44	2 231.67	101.10	116.60	90.50	162.94	182.64	188.05	202.78	128.28
2011	209.94	48.35	1 329.24	93.97	104.83	86.57	123.24	131.94	115.59	118.14	117.83
2014	202.79	113.84	753.83	90.93	98.83	85.73	123.76	134.38	108.24	129.68	117.89
2015	122.90	68.80	458.33	90.42	100.88	83.29	117.67	128.89	93.52	115.54	114.59
2016	97.88	51.52	390.93	92.13	100.25	86.75	106.51	115.82	97.80	122.46	98.88
2017	83.10	45.91	318.22	91.83	98.34	87.52	112.54	112.65	119.71	137.41	107.71
2018	59.93	46.94	142.10	94.58	100.44	90.70	111.61	115.01	109.10	127.63	107.62
2019	71.66	63.18	125.29	95.98	99.37	93.75	109.66	107.47	114.00	151.90	106.21
2020	74.07	66.99	118.88	98.75	102.29	96.40	97.45	89.81	109.11	111.01	99.67
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	104.45	117.68	42.78	98.84	98.05	99.40	93.00	91.50	88.81	94.73	95.63
2023	68.42	74.99	37.79	95.86	94.99	96.47	99.02	85.62	113.98	186.86	99.03

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

Source: Ministry of Agriculture

Table 57. Farm households and population

End of Year & District	Households						Persons
	Total	Engaged in agriculture				Non engaged in agriculture	
		Subtotal	With agriculture-based		Non agriculture-based		
			65 years old and over	With less than 65 years			
2013	774 963	-	-	-	-	-	2 799 683
2014	774 237	-	-	-	-	-	2 747 899
2016	775 472	713 654	165 442	232 195	316 017	61 818	2 818 091
2017	775 310	717 816	194 422	257 717	265 677	57 494	2 777 743
2018	775 070	717 625	200 340	244 544	272 741	57 445	2 760 296
2019	775 250	717 750	203 284	242 485	271 981	57 500	2 694 472
2021	759 472	690 658	170 572	219 920	300 166	68 814	2 391 702
2022	759 784	691 205	162 291	191 004	337 910	68 579	2 387 907
New Taipei City	35 132	29 360	1 494	3 085	24 781	5 772	106 964
Taipei City	9 028	7 228	1 260	774	5 194	1 800	23 874
Taoyuan City	47 198	41 933	140	2 337	39 456	5 265	184 005
Taichung City	67 935	63 533	9 989	12 300	41 244	4 402	238 807
Tainan City	88 570	81 322	19 609	18 000	43 713	7 248	254 555
Kaohsiung City	71 343	64 273	14 201	19 738	30 334	7 070	215 647
Yilan County	28 652	26 812	6 262	3 024	17 526	1 840	81 846
Hsinchu County	24 545	20 801	2 578	3 668	14 555	3 744	80 964
Miaoli County	37 924	33 514	3 310	5 163	25 041	4 410	118 886
Changhua County	79 451	76 347	22 980	23 908	29 459	3 104	262 638
Nantou County	42 974	39 176	12 143	16 642	10 391	3 798	132 706
Yunlin County	66 633	63 233	27 075	25 306	10 852	3 400	205 945
Chiayi County	54 069	51 585	13 168	20 633	17 784	2 484	158 191
Pingtung County	56 780	51 490	18 561	24 916	8 013	5 290	186 529
Taitung County	16 089	12 999	3 174	4 696	5 129	3 090	42 458
Hualien County	15 501	13 668	3 514	4 418	5 736	1 833	41 173
Penghu County	5 513	2 685	232	462	1 991	2 828	14 978
Keelung City	1 250	949	35	37	877	301	3 764
Hsinchu City	5 478	4 956	1 118	469	3 369	522	18 827
Chiayi City	5 719	5 341	1 448	1 428	2 465	378	15 150

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

2. Data come from farm household sampling survey, and the survey is not taken place when the single digit of the year is 0 or 5.

Source: Agriculture and Food Agency, Ministry of Agriculture

Table 58. 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
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
2011	1 666 273	38 145 866	129 316	8 082 247	401 367	6 742 965	169 380	6 478 771
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	40 549 053	102 165	11 401 603	553 531	13 019 045	150 559	7 724 153
2018	1 949 796	42 986 458	102 918	9 159 703	432 084	9 194 740	146 672	7 007 002
2019	1 791 211	39 891 467	103 767	5 759 062	431 084	8 845 846	167 791	7 694 186
2020	1 750 729	38 753 919	98 565	6 603 886	419 028	8 573 312	171 537	7 070 940
2021	1 560 870	35 149 100	95 536	7 117 398	402 836	8 910 737	171 662	8 120 551
2022	1 575 777	36 714 780	92 658	6 949 322	382 333	8 797 487	112 872	8 049 326
2023	1 460 374	34 912 885	92 467	6 565 188	378 620	8 674 191	183 599	9 739 848
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	-	-
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
2011	246 643	2 843 300	653 952	839 674	17 310	6 894 424	150 013	5 760 495
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	7 640 177	117 694	7 454 766
2018	220 846	3 118 345	578 778	557 942	14 738	7 477 440	118 649	6 815 188
2019	176 004	2 520 380	532 569	512 864	14 637	7 011 335	91 032	5 039 529
2020	163 501	2 192 547	530 796	513 811	14 341	8 244 969	101 450	5 712 642
2021	151 190	2 174 115	594 724	642 302	11 883	6 737 125	102 244	5 896 418
2022	136 632	2 401 994	515 779	572 515	14 027	8 068 577	99 171	6 557 215
2023	129 658	2 093 969	509 126	661 863	12 374	7 296 759	88 409	5 125 049

Note: Data do not include Kinmen County and Lienchiang County before 2010.**Source:** Agriculture and Food Agency, Ministry of Agriculture

Table 58. 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	-	-
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
2011	68 231	3 159 771	294 938	7 992 818	107 280	4 655 962	42 010	861 615
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	4 587 050	257 895	10 775 644	92 602	6 641 397	15 565	651 090
2018	59 471	3 185 878	250 989	12 782 859	97 799	6 306 090	17 382	545 912
2019	53 198	2 986 003	247 958	13 610 438	88 635	6 957 853	8 270	323 680
2020	53 765	3 262 970	236 873	11 436 243	74 003	6 937 065	18 607	531 228
2021	49 637	2 883 411	208 203	11 459 486	69 900	5 809 380	17 850	528 896
2022	51 005	3 825 389	217 769	11 526 512	65 549	5 674 569	18 998	511 232
2023	43 489	2 788 535	191 745	10 749 247	64 499	5 235 354	14 196	405 288

Year	Bananas		Cabbage		Shiitake		Garlic bulbs	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1946	53 412	332 317	26 728	137 414	-	-	-	-
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
2011	305 740	4 601 381	367 307	3 460 109	4 716	4 462 406	63 939	2 367 004
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
2018	356 238	7 345 637	431 968	5 624 221	5 665	8 661 381	52 016	2 818 216
2019	342 629	7 321 973	427 942	7 352 048	4 700	7 080 444	39 667	3 211 863
2020	359 600	6 138 378	409 094	7 024 140	4 224	6 322 558	44 947	5 500 129
2021	337 144	7 423 901	419 995	7 093 708	4 551	6 917 947	49 743	5 401 105
2022	351 480	8 382 797	422 481	8 327 104	4 151	6 353 998	51 980	4 020 633
2023	333 362	8 244 032	423 434	7 342 354	4 403	6 615 775	49 841	4 569 436

Table 59. 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	-	-	-	-	-
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
2011	1 008 025	10 983 937	1 463 569	12 646 880	8 254	5 774
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	920 965	7 195 467	1 607 175	11 440 143	10 549	8 805
2018	917 417	7 925 021	1 561 067	11 876 350	9 175	8 114
2019	837 411	7 637 169	1 550 031	12 066 704	8 983	8 226
2020	883 781	7 984 798	1 305 969	9 833 114	9 848	8 661
2021	794 911	7 131 296	1 395 808	10 076 335	9 448	8 493
2022	777 380	7 478 621	1 274 084	12 037 054	9 371	9 407
2023	734 718	7 297 048	1 144 785	10 168 230	8 941	8 343

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

2.Animal and Plant Health Inspection Agency, Ministry of Agriculture

3.Customs Administration, Ministry of Finance

Table 60. Quantity and value of forestry production

M³, 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
2011	388 278	103 558	23 273	86 622	17 652	72 772	5 620	13 850
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
2018	139 194	108 534	21 876	86 056	17 337	70 542	4 540	15 514
2019	156 430	132 449	30 143	112 155	25 701	96 978	4 442	15 177
2020	165 559	143 942	24 260	121 292	21 500	111 797	2 760	9 495
2021	218 061	202 748	29 360	186 862	26 688	175 747	2 672	11 114
2022	242 212	234 264	31 648	221 693	28 273	207 821	3 375	13 872
2023	162 196	153 736	31 967	144 035	19 060	94 722	12 907	49 314

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
2011	740	992	200	330	1 881	15 614	284 720
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
2018	5 831	16 528	680	1 037	552	4 913	30 660
2019	4 632	13 130	917	1 397	648	5 768	23 981
2020	5 513	16 296	1 001	1 525	543	4 829	21 617
2021	3 542	8 606	696	884	704	6 396	15 314
2022	3 648	8 971	18	23	367	3 577	7 948
2023	2 183	5 060	183	233	459	4 408	8 460

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

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

Source: Forestry and Nature Conservation Agency, Ministry of Agriculture

Table 61. Quantity and value of fishery production

MTs, Thousand NT\$

Year & Agency	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
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
2011	1 222 655	106 321 684	702 133	47 531 566	163 579	12 726 058	28 117	3 594 362
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	1 029 723	90 656 466	556 412	36 542 281	160 140	13 396 045	27 495	4 141 173
2018	1 089 382	89 267 500	621 317	35 740 304	153 529	12 619 325	26 393	3 605 905
2019	1 037 512	86 622 617	560 744	33 840 306	153 102	12 300 101	31 004	4 438 938
2020	885 041	71 216 052	431 902	25 560 838	150 013	10 317 881	24 549	3 406 916
2021	976 000	77 880 206	531 972	32 658 442	148 374	9 796 239	20 701	3 286 909
2022	874 696	82 206 232	475 111	35 498 911	115 325	9 794 757	19 863	3 352 285
2023	894 863	90 524 543	435 258	34 167 000	158 516	13 452 382	33 479	4 931 367
New Taipei City	43 266	3 588 320	-	-	41 460	3 049 810	1 612	419 906
Taipei City	-	5 809	-	-	-	-	-	-
Taoyuan City	3 808	554 877	-	-	10	3 940	643	266 336
Taichung City	2 188	476 659	-	-	1 680	350 598	501	105 100
Tainan City	76 333	8 552 262	-	-	1 716	413 077	52	10 972
Kaohsiung City	178 952	15 564 103	135 070	10 608 454	10 558	692 072	3 582	543 300
Yilan County	51 208	4 621 559	5 490	271 790	37 787	3 038 129	5 103	545 085
Hsinchu County	2 671	330 408	-	-	43	3 554	384	93 776
Miaoli County	952	156 565	-	-	30	4 344	908	117 942
Changhua County	12 848	1 437 830	-	-	217	40 970	344	128 487
Nantou County	151	56 186	-	-	-	-	-	-
Yunlin County	48 475	6 370 363	-	-	-	-	401	120 057
Chiayi County	53 150	6 356 171	-	-	450	111 229	62	13 395
Pingtung County	69 093	10 646 862	28 651	1 456 212	7 675	1 073 876	1 715	374 436
Taitung County	4 920	717 500	-	-	1 382	179 368	2 704	368 914
Hualien County	3 567	340 880	-	-	568	95 339	2 058	195 844
Penghu County	13 165	3 998 493	-	-	4 061	1 112 003	847	200 684
Keelung City	60 909	3 821 204	-	-	49 967	3 008 163	10 942	813 041
Hsinchu City	1 895	525 827	-	-	913	275 909	940	208 237
Chiayi City	-	-	-	-	-	-	-	-
Kinmen County	675	421 335	-	-	-	-	528	363 559
Lienchiang County	591	150 787	-	-	-	-	152	42 297
Overseas Base	266 046	21 830 543	266 046	21 830 543	-	-	-	-

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, Ministry of Agriculture

Table 61. Quantity and value of fishery production (continued)

MTs, Thousand NT\$

Year & Agency	Marine aquaculture		Inland water fisheries		Inland water aquaculture	
	Quantity	Value	Quantity	Value	Quantity	Value
1946	-	-	-	-	9 970	370 881
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
2011	38 098	6 079 394	69	6 173	290 660	36 384 131
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	26 799	5 698 685	2 624	113 034	256 253	30 765 248
2018	24 973	5 254 914	3 738	227 501	259 433	31 819 553
2019	22 699	4 672 802	156	17 299	269 808	31 353 171
2020	22 413	4 767 242	56	3 380	256 109	27 159 795
2021	20 833	4 932 702	143	18 925	253 977	27 186 990
2022	19 168	4 639 083	126	16 254	245 103	28 904 941
2023	23 544	6 496 603	170	25 912	243 897	31 451 279
New Taipei City	91	72 035	-	-	104	46 570
Taipei City	-	-	-	-	-	5 809
Taoyuan City	-	-	154	24 612	3 001	259 989
Taichung City	-	-	-	-	8	20 961
Tainan City	2 677	436 352	-	-	71 888	7 691 860
Kaohsiung City	-	-	-	-	29 742	3 720 277
Yilan County	-	-	2	158	2 827	766 397
Hsinchu County	-	-	5	557	2 240	232 522
Miaoli County	-	-	-	-	14	34 279
Changhua County	901	291 406	-	-	11 386	976 966
Nantou County	-	-	-	-	151	56 186
Yunlin County	4 405	1 387 575	-	-	43 669	4 862 731
Chiayi County	6 600	1 452 000	10	587	46 027	4 778 960
Pingtung County	128	35 695	-	-	30 924	7 706 643
Taitung County	-	-	-	-	835	169 218
Hualien County	-	-	-	-	941	49 697
Penghu County	8 154	2 655 094	-	-	102	30 712
Keelung City	-	-	-	-	-	-
Hsinchu City	3	864	-	-	39	40 818
Chiayi City	-	-	-	-	-	-
Kinmen County	145	57 092	-	-	1	684
Lienchiang County	439	108 490	-	-	-	-
Overseas Base	-	-	-	-	-	-

Table 62. Quantity and value of major livestock production

Thousand NT\$

Year	Hogs		Chickens		Ducks		Cow milk		Eggs	
	Quantity (Heads)	Value	Quantity (1,000 Heads)	Value	Quantity (1,000 Heads)	Value	Quantity (MTs)	Value	Quantity (1,000 Pieces)	Value
1946	303 307	1 637 858	-	-	-	-	908	45 390	-	-
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
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
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	8 566 626	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
2018	8 073 454	70 359 506	353 047	44 120 225	37 073	7 591 471	419 342	10 974 175	7 781 910	22 992 519
2019	7 979 588	70 944 362	373 771	40 295 300	38 294	8 036 637	431 879	11 302 281	8 133 181	23 833 702
2020	8 184 152	71 487 340	379 596	46 647 119	36 083	7 480 819	437 155	11 440 335	8 607 652	23 047 596
2021	8 036 288	76 696 565	395 868	53 072 743	34 590	8 138 242	449 214	11 755 936	8 742 874	24 770 402
2022	7 847 136	79 845 394	392 399	56 054 769	36 614	9 696 351	463 095	12 661 014	9 152 775	34 573 656
2023	7 484 199	85 120 041	377 163	59 808 131	33 882	8 928 158	472 449	13 308 893	8 765 721	36 133 244
District	Quantity									
	Hogs (Heads)		Chickens (1,000 Heads)		Ducks (1,000 Heads)		Cow milk (MTs)		Eggs (1,000 Pieces)	
2023	7 484 199		377 163		33 882		472 449		8 765 721	
Taiwan Area										
New Taipei City	90 042		1 106		1		4 458		1 680	
Taipei City	9		5		0		234		21	
Taoyuan City	185 840		14 686		4		19 175		64 717	
Taichung City	124 399		8 377		420		10 923		112 905	
Tainan City	754 201		58 183		1 990		82 653		911 083	
Kaohsiung City	413 589		9 111		521		25 288		587 816	
Yilan County	68 734		13 646		197		-		5 779	
Hsinchu County	93 393		11 380		5		7 962		22 510	
Miaoli County	86 300		8 324		9		8 805		135 041	
Changhua County	1 069 965		68 022		7 477		120 032		3 894 814	
Nantou County	112 947		20 825		1 099		2 532		236 746	
Yunlin County	2 219 302		63 981		11 307		61 848		205 207	
Chiayi County	486 153		46 877		552		34 668		1 000 698	
Pingtung County	1 576 620		49 481		9 537		76 032		1 485 018	
Taitung County	72 803		2 188		1		4 461		71 133	
Hualien County	94 882		647		748		12 023		6 818	
Penghu County	3 588		11		0		-		2 930	
Keelung City	-		1		0		-		8	
Hsinchu City	15 847		121		2		754		1 173	
Chiayi City	3 014		15		-		212		3 965	
Kinmen & Lienchiang Area										
Kinmen County	12 444		171		9		389		15 634	
Lienchiang County	127		3		-		-		26	

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. Ministry of Agriculture

2. Agriculture and Food Agency, Ministry of Agriculture

INDUSTRY

Table 63. Indices of industrial production

2021=100

Year	General	Mining & quarrying	Crude petroleum & natural gas extraction	Quarrying of stone, sand, clay & other mining	Manufacturing	Food & prepared animal feeds	Beverages	Tobacco products	Textiles mills	Wearing apparel & clothing accessories	Leather, fur & related products	
												Weights (%)
	1000.00	2.12	0.26	1.86	954.08	25.34	4.89	10.88	12.17	1.12	0.35	
1981	-	-	1794.29	118.84	12.11	53.90	56.47	85.01	88.43	1477.38	1313.26	
1991	-	-	728.00	169.73	23.49	75.21	88.05	95.03	118.51	1116.32	1714.94	
2001	35.51	169.59	539.33	124.20	33.46	72.79	110.19	69.05	135.46	391.87	370.42	
2006	49.55	141.33	294.27	127.68	47.40	69.03	85.28	50.38	108.95	213.00	313.60	
2011	63.78	118.14	204.10	107.17	62.11	74.03	108.50	66.20	96.49	125.19	225.20	
2014	71.94	107.01	233.73	96.18	70.63	77.23	107.63	68.82	103.03	122.95	201.14	
2015	71.13	100.06	226.19	89.38	69.88	79.24	106.63	68.54	104.69	120.91	154.99	
2016	73.14	91.08	202.36	81.59	71.88	82.83	105.12	84.57	101.04	117.49	124.14	
2017	76.79	89.07	170.75	81.80	75.67	84.85	109.46	100.70	100.14	109.67	144.20	
2018	79.38	85.74	130.07	81.59	78.35	88.47	107.13	98.13	98.65	105.25	132.79	
2019	80.14	83.83	114.52	80.93	79.16	94.62	102.58	96.85	95.18	105.07	132.15	
2020	87.16	96.32	93.71	96.49	86.52	97.39	104.52	90.55	90.55	95.72	93.22	
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
2022	98.18	99.13	91.05	99.71	98.02	101.53	97.33	95.48	90.68	96.15	98.64	
2023	86.10	95.78	81.52	97.33	85.53	101.46	94.63	95.40	71.70	71.49	81.29	
Year	Manufacturing											
	Wood & bamboo products	Pulp, paper & paper products	Printing & reproduction of recorded media	Petroleum & coal products	Chemical material & fertilizers	Other chemical products	Pharmaceuticals & medicinal chemical products	Rubber products	Plastic products	Non-metallic mineral products	Basic metal	Fabricated metal products
Weights (%)	1.59	10.17	3.75	19.27	49.23	10.04	7.71	5.34	15.32	13.72	55.82	52.66
1981	612.45	33.60	41.93	27.28	10.14	12.72	13.62	34.83	26.47	53.49	13.76	27.23
1991	386.68	67.05	62.84	38.84	24.23	32.28	35.79	90.41	81.97	91.59	36.05	58.72
2001	120.63	75.46	82.05	85.16	54.19	50.61	45.04	73.36	79.07	92.93	66.53	65.58
2006	77.57	85.88	114.80	127.84	71.36	61.01	49.68	89.42	77.45	121.04	83.66	69.83
2011	62.67	86.34	122.81	105.98	83.69	70.94	62.32	99.41	74.30	148.59	91.08	71.76
2014	72.35	89.93	115.88	114.87	86.72	85.32	65.31	98.06	83.20	108.20	93.80	81.58
2015	71.44	88.17	113.77	115.15	90.13	88.43	67.66	97.49	83.17	97.23	87.76	80.41
2016	71.78	89.35	112.08	116.31	91.28	87.82	71.33	92.07	83.62	97.47	91.71	81.45
2017	82.17	91.14	110.51	110.71	92.57	93.90	72.78	96.49	86.39	93.58	94.02	84.26
2018	87.31	94.84	108.55	113.80	93.66	97.25	75.10	93.95	91.01	93.36	96.17	86.00
2019	86.51	95.06	98.81	112.36	90.96	96.94	82.29	97.81	91.02	91.74	89.30	83.73
2020	86.95	97.67	97.04	94.65	92.36	94.49	91.06	96.36	95.00	95.55	88.99	86.31
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	89.70	93.63	102.79	106.12	86.72	95.17	106.75	94.08	92.45	93.25	85.89	90.14
2023	78.89	88.00	99.15	101.64	76.52	89.78	112.27	77.82	82.87	89.50	77.72	79.00

Source: Ministry of Economic Affairs

Table 63. Indices of industrial production (continued)

2021=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 (%)	495.67	52.45	16.52	36.37	18.70	14.29	2.35	9.35	9.00	39.95	3.84
1981	0.80	3.60	20.34	18.79	23.17	30.99	85.70	39.16	-	17.16	32.90
1991	3.26	9.25	71.91	37.15	63.65	49.73	144.78	71.91	-	36.38	64.50
2001	8.78	25.82	91.21	42.71	57.55	39.51	73.84	44.66	-	69.21	102.79
2006	24.40	28.51	93.31	63.69	80.08	54.22	55.98	45.39	46.65	83.48	102.64
2011	43.83	57.50	78.02	74.69	87.60	59.04	55.40	50.21	55.99	87.28	100.31
2014	58.37	57.03	80.87	75.39	96.94	67.27	65.88	60.74	57.41	89.62	100.95
2015	56.86	59.03	82.91	74.46	95.28	69.57	69.79	62.58	64.54	88.11	98.65
2016	59.77	59.52	84.78	71.91	92.33	66.53	70.02	66.07	76.79	90.86	99.14
2017	64.34	62.60	84.56	80.80	91.97	70.32	74.64	71.55	92.38	92.78	100.43
2018	66.99	67.26	86.97	88.26	88.28	74.44	78.70	78.20	105.83	94.08	100.60
2019	68.85	80.38	84.15	79.00	88.88	80.98	83.30	82.25	108.41	94.16	101.11
2020	82.63	91.48	88.71	80.62	86.24	81.98	91.71	86.12	95.30	95.78	102.50
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	100.87	108.04	96.02	96.67	101.35	111.56	85.68	87.48	110.51	100.67	101.34
2023	83.64	108.44	87.72	80.22	103.12	86.21	78.03	77.85	114.99	97.28	99.30

Table 64. 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	11 118	2 529 413	270 588	39 432	26 830	257 740	142 869
1991	-	-	6 340	4 298	4 908 295	340 222	81 458	32 075	337 013	163 370
2001	8 050 669	23 739	6 944	16 794	7 573 701	329 542	90 719	26 440	342 873	69 345
2006	13 177 105	29 461	5 506	23 955	12 589 761	363 433	87 216	28 696	307 839	44 926
2011	16 353 992	28 218	5 157	23 061	15 609 656	530 478	97 165	46 726	336 914	31 077
2014	16 745 862	29 758	7 108	22 649	15 856 422	574 641	94 935	45 905	331 768	31 346
2015	15 147 962	25 478	4 566	20 912	14 310 320	570 474	94 919	46 507	330 896	31 341
2016	14 628 605	20 980	3 003	17 976	13 855 099	589 473	94 505	55 056	311 742	30 738
2017	15 504 534	21 198	2 795	18 404	14 739 825	604 009	97 466	69 917	308 668	28 982
2018	16 507 582	21 460	2 470	18 990	15 712 269	640 918	97 118	79 409	313 183	26 990
2019	15 859 282	22 049	2 295	19 754	15 062 281	684 132	94 929	78 683	302 813	26 876
2020	15 667 085	25 172	1 322	23 851	14 863 778	710 545	96 220	80 449	269 041	24 298
2021	19 680 613	26 298	1 407	24 891	18 862 854	778 703	94 243	83 707	310 444	25 991
2022	20 707 251	26 651	2 147	24 504	19 844 140	853 951	97 017	80 757	311 194	26 300
2023	18 552 350	26 543	2 073	24 470	17 607 185	887 327	99 122	79 794	249 772	20 369

Source: Ministry of Economic Affairs

Table 64. 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 material & fertilizers	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	203 527	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
2001	38 882	21 811	120 179	67 780	423 627	757 959	136 091	45 059	56 519	268 694	163 084	578 861
2006	35 402	20 865	148 653	77 860	1 005 272	1 636 369	200 717	51 275	79 778	294 761	308 739	1 461 148
2011	27 526	22 505	180 379	90 509	1 239 628	2 358 938	265 017	63 934	104 730	340 507	396 025	1 863 588
2014	28 522	27 133	175 531	87 849	1 268 133	2 219 207	307 087	69 163	103 971	379 431	342 437	1 587 288
2015	22 482	26 652	171 322	86 958	840 697	1 787 361	306 872	73 626	102 143	377 900	315 915	1 257 448
2016	17 750	26 618	168 245	85 811	706 054	1 700 477	303 872	77 538	97 514	377 793	294 768	1 170 036
2017	19 011	29 670	180 675	84 145	783 249	1 902 780	310 129	80 314	102 757	377 783	278 442	1 400 536
2018	16 550	31 286	193 087	83 189	989 657	2 112 509	320 690	84 014	102 085	400 588	286 375	1 574 303
2019	15 817	30 790	188 419	82 258	921 016	1 741 549	312 948	92 195	106 136	400 642	294 067	1 376 204
2020	10 782	30 771	187 354	81 198	587 033	1 429 222	301 055	100 287	104 417	400 653	313 090	1 244 778
2021	11 751	39 024	217 190	83 486	810 938	2 162 244	333 640	106 912	113 800	439 652	337 308	1 898 176
2022	12 271	39 303	215 218	87 440	1 159 448	2 000 949	341 945	117 601	115 077	422 335	345 119	1 805 557
2023	10 261	33 845	190 916	86 514	1 029 780	1 527 710	314 635	128 526	96 560	378 470	350 292	1 491 418
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	160 965	74 691	105 344	97 933	71 094	70 081	70 734	31 034	89 124	4 749	115 975	6 577
1991	380 990	318 803	339 740	263 505	234 974	224 075	144 845	60 645	137 109	9 908	217 771	16 725
2001	516 177	1 393 657	925 319	280 181	364 670	245 920	132 298	40 791	111 911	25 312	413 799	39 430
2006	883 269	3 043 135	770 488	394 684	600 638	351 223	191 553	40 437	113 348	48 036	517 619	40 264
2011	1 100 476	3 403 147	1 036 316	401 535	754 227	417 625	255 886	46 160	132 905	65 730	675 998	40 120
2014	1 145 505	4 065 443	760 437	391 179	781 364	463 390	289 137	58 508	158 968	68 142	818 936	40 747
2015	1 069 023	3 867 654	713 848	379 664	780 114	456 647	300 262	62 417	159 818	77 361	772 532	39 632
2016	1 063 830	3 823 639	688 765	373 412	752 490	437 530	289 251	62 346	162 989	92 857	711 102	41 424
2017	1 151 982	3 972 007	680 942	387 514	821 586	432 055	289 107	66 354	170 358	109 389	701 427	42 083
2018	1 211 897	4 068 781	673 005	402 385	897 693	416 261	308 393	72 240	185 638	124 027	731 797	42 056
2019	1 169 233	3 971 397	797 164	384 122	826 428	415 810	345 688	77 913	197 594	127 458	732 805	42 146
2020	1 164 818	4 475 250	880 221	394 596	812 650	405 703	358 801	84 922	204 860	110 763	736 718	41 417
2021	1 578 817	5 615 757	975 272	501 356	1 004 801	466 984	417 503	94 582	244 828	115 747	750 988	40 472
2022	1 558 739	6 143 286	1 152 699	519 883	1 032 413	487 510	484 889	88 652	210 643	133 946	794 241	42 218
2023	1 336 511	5 353 961	1 254 884	495 718	881 941	514 482	378 322	79 800	192 678	143 579	877 411	41 210

Table 65. Saturation of water supply

Year	Families or population served (1)		Percentage of families or population served (1)		The daily domestic consumption of water per person (Litre)
	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	-
1991	3 338	13 495	81.91	80.81	-
2001	6 210	20 287	91.29	90.54	-
2011	7 485	21 494	92.90	92.55	270
2014	7 831	21 826	93.42	93.14	274
2015	7 934	21 953	93.69	93.45	273
2016	8 041	22 060	93.92	93.71	275
2017	8 140	22 136	94.12	93.91	278
2018	8 240	22 208	94.34	94.14	280
2019	8 352	22 278	94.56	94.39	284
2020	8 475	22 349	94.87	94.86	289
2021	8 267	22 232	91.78	95.11	282
2022	8 668	22 186	95.37	95.36	288
2023	8 839	22 406	95.65	95.67	287

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

Source: Water Resources Agency, Ministry of Economic Affairs

Table 66. Composition of energy supply

%

Year	Quantity of energy supply (10 ³ 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	52 279	23.8	57.1	2.4	0.1	0.9	15.7	0.0
1991	58 394	22.8	53.9	5.0	0.1	0.6	17.5	0.0
2001	106 489	30.5	51.6	6.5	1.1	0.5	9.6	0.1
2006	136 715	30.1	52.1	7.7	1.2	0.3	8.4	0.1
2011	137 677	32.0	45.6	11.8	1.3	0.3	8.9	0.2
2014	147 144	29.9	47.9	12.3	1.2	0.3	8.3	0.2
2015	144 859	29.9	47.7	13.3	1.2	0.3	7.3	0.2
2016	145 213	29.6	48.4	13.8	1.2	0.4	6.3	0.2
2017	145 229	30.5	48.0	15.3	1.1	0.4	4.5	0.3
2018	147 449	29.7	47.8	15.3	1.1	0.3	5.4	0.4
2019	147 014	30.1	46.4	15.1	1.2	0.4	6.4	0.5
2020	137 112	30.3	43.6	17.3	1.2	0.2	6.6	0.7
2021	142 917	31.0	42.9	18.2	1.2	0.2	5.6	0.7
2022	140 492	29.6	43.8	19.1	1.2	0.4	4.9	1.0
2023	131 589	28.8	44.0	20.3	1.3	0.3	3.9	1.4

Source: Energy Administration, Ministry of Economic Affairs

Table 67. Composition of energy consumption

%

Year	Quantity of domestic energy consumption (10 ³ KLOE)	Energy use (By sector)						Non-energy use
		Energy	Industrial	Transportation	Agricultural	Services	Residential	
1989	34 789	10.0	37.5	19.5	3.2	7.0	9.3	13.4
1991	38 972	9.2	37.5	20.1	2.9	7.4	9.3	13.7
2001	65 888	8.5	33.3	18.9	1.7	7.2	8.7	21.6
2006	77 958	9.0	33.7	17.7	1.1	7.7	8.2	22.7
2011	81 070	7.9	33.6	16.4	0.8	7.3	8.0	26.1
2014	84 713	8.5	32.1	15.5	0.9	7.0	7.5	28.5
2015	85 041	8.5	31.3	15.8	0.9	7.1	7.5	29.0
2016	85 348	8.4	31.4	16.2	0.9	7.1	7.8	28.3
2017	85 090	8.3	31.6	16.1	0.8	7.2	7.7	28.3
2018	86 445	8.5	32.0	15.4	1.0	6.9	7.4	28.8
2019	83 625	8.9	32.3	16.0	1.0	7.1	7.7	26.9
2020	83 878	8.4	32.4	16.1	0.9	7.1	8.1	27.0
2021	88 272	8.2	33.0	14.5	0.9	6.6	7.9	28.9
2022	83 148	8.7	33.1	15.8	1.0	7.3	8.1	26.0
2023	78 707	8.6	33.4	16.7	1.1	7.9	8.6	23.8

Source: Energy Administration, Ministry of Economic Affairs

Table 68. Water resources demand and supply

I. Total water supply

Million M³

Year	Grand total	Surface water			Ground water and others	Per capita annual withdrawal (M ³)	Percentage of available resources (%)
		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
2011	17 218	11 497	7 383	4 114	5 720	742.3	19.6
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
2017	16 645	11 200	6 966	4 234	5 444	706.6	15.3
2018	16 713	11 281	7 027	4 254	5 432	708.8	18.4
2019	16 739	11 364	7 263	4 100	5 376	709.4	17.5
2020	16 676	11 307	7 187	4 119	5 369	707.1	23.4
2021	14 346	9 276	5 608	3 668	5 070	611.3	14.0
2022	15 874	11 159	7 172	3 987	4 715	680.7	17.4

II. Total water consumption

Million M³

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
2011	17 218	12 435	11 310	75	1 050	3 231	1 552
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	16 025	11 282	10 335	67	880	3 142	1 601
2016	16 546	11 734	10 792	66	876	3 183	1 629
2017	16 645	11 843	10 912	66	865	3 147	1 654
2018	16 713	11 890	10 983	92	815	3 156	1 668
2019	16 739	11 882	10 971	92	820	3 186	1 671
2020	16 676	11 592	10 680	92	820	3 280	1 803
2021	14 346	9 757	8 879	92	786	3 163	1 425
2022	15 874	11 019	10 147	91	782	3 197	1 657

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.

Source: Water Resources Agency, Ministry of Economic Affairs

TRANSPORTATION, STORAGE, COMMUNICATIONS AND TOURISM

Table 69. Transport on railway and mass rapid transit

Year	Passenger traffic volume						
	No. of passengers (1,000 Person-times)					Passenger-kilometers (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
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
2011	864 491	205 829	566 404	41 629	49 637	22 825 848	9 719 605
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
2018	1 153 529	231 268	765 470	63 963	68 085	29 624 218	10 864 841
2019	1 194 684	236 151	789 599	67 411	68 739	30 456 031	11 045 601
2020	1 030 674	203 521	695 651	57 239	50 890	25 566 403	9 314 224
2021	792 383	154 927	531 120	43 460	40 453	19 539 931	7 030 030
2022	889 419	170 254	587 258	54 162	46 135	22 791 767	7 967 820
2023	1 134 940	219 308	710 186	73 087	64 826	29 769 403	10 299 798
Year	Passenger traffic volume			Freight traffic volume (1)			
	Passenger-kilometers (1,000 Passenger-kms)			Freight tonnage (1,000 MTs)	Taiwan Railways Administration	Ton-kilometers (1,000 Ton-kms)	Taiwan Railways Administration
	Taipei Rapid Transit Corp.	Taiwan High Speed Rail	Kaohsiung Rapid Transit Corp.				
1952	-	-	-	17 089	8 231	1 253 832	1 158 549
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
2011	4 607 794	8 147 869	346 198	14 451	10 661	853 362	847 707
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
2018	6 201 186	11 558 787	536 466	7 878	7 720	544 016	542 497
2019	6 361 118	11 994 453	500 240	7 479	7 313	518 207	516 578
2020	5 656 505	9 912 062	377 114	7 506	7 255	497 029	494 951
2021	4 373 449	7 568 788	321 911	6 835	6 609	447 135	444 969
2022	4 776 860	9 338 061	371 921	6 994	6 805	474 534	472 537
2023	5 633 612	12 564 569	512 996	7 082	6 915	492 519	490 832

Note: (1) Excluding the data baggages and package

Source: Ministry of Transportation and Communications

Table 69. Transport on railway and mass rapid transit (continued)

Year	Efficiency of seat utilization (%)					Mileages (4) (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 (3)			
1952	-	-	-	-	-	-	940	-
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	-
2011	63.6	75.2	54.6	58.2	9.7	51.6	1 087	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	1 118	348
2017	65.1	70.9	43.4	64.3	20.3	65.2	1 118	350
2018	64.2	68.6	40.7	64.8	21.5	67.0	1 118	350
2019	65.6	70.1	40.7	66.1	27.5	68.0	1 115	350
2020	55.2	58.1	32.7	56.7	31.2	56.9	1 115	350
2021	43.0	45.5	25.1	43.5	97.0	49.9	1 115	350
2022	47.5	51.0	27.2	46.4	29.3	53.3	1 115	350
2023	56.5	61.2	26.9	54.2	36.7	70.7	1 115	350

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	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-
2001	878	290	857	279	-	-	18	1
2011	826	215	812	87	2	-	11	8
2014	646	65	590	59	38	-	11	4
2015	660	92	618	88	29	-	7	4
2016	609	81	547	71	48	-	7	8
2017	569	56	509	50	39	-	8	3
2018	701	344	656	343	30	-	4	-
2019	756	44	715	36	21	6	6	-
2020	668	67	632	61	25	1	5	-
2021	727	391	699	391	16	-	10	-
2022	778	40	659	37	27	-	65	-
2023	876	48	777	33	36	-	38	15

Note: (2) Including Fu-Hsing Semi Express

(3) Ordinary trains have not provided regular service since Dec. 23, 2020.

(4) The data is end of year.

Table 70. Transport on roads

Km

End of Year & District	Length of roads							Road density (M/km ²)
	Total	Highway					Urban (1)	
			National	Provincial	County	Rural		
1952	15 619	14 734	-	1 364	2 815	10 555	-	-
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
2011	41 115	21 847	1 010	5 124	3 551	11 766	19 268	1 142
2014	41 866	21 575	1 050	5 148	3 619	11 362	20 291	1 163
2015	43 176	21 589	1 050	5 162	3 618	11 362	21 587	1 199
2016	42 938	21 622	1 050	5 236	3 633	11 305	21 316	1 192
2017	43 206	21 710	1 050	5 262	3 602	11 383	21 496	1 200
2018	43 133	21 678	1 050	5 283	3 656	11 276	21 455	1 198
2019	43 120	21 748	1 050	5 321	3 657	11 306	21 372	1 197
2020	42 138	21 746	1 050	5 322	3 662	11 304	20 392	1 170
2021	42 799	21 757	1 050	5 318	3 674	11 308	21 042	1 188
2022	42 949	21 777	1 050	5 324	3 684	11 311	21 172	1 193
2023	42 992	21 844	1 062	5 331	3 684	11 359	21 148	1 194
New Taipei City	3 680	1 467	99	377	308	682	2 214	1 793
Taipei City	1 242	114	42	66	7	-	1 128	4 570
Taoyuan City	3 321	1 246	104	323	210	600	2 075	2 720
Taichung City	4 367	1 484	103	410	140	692	2 883	1 972
Tainan City	4 672	2 178	141	430	361	1 237	2 494	2 132
Kaohsiung City	4 476	1 409	86	509	108	696	3 067	1 516
Yilan County	1 338	867	29	351	79	383	471	624
Hsinchu County	1 165	890	50	88	164	579	275	816
Miaoli County	1 942	1 418	96	286	238	773	525	1 067
Changhua County	2 395	1 699	59	261	338	1 041	696	2 229
Nantou County	2 105	1 478	67	428	189	695	626	513
Yunlin County	2 488	1 869	48	223	423	1 176	619	1 927
Chiayi County	2 371	1 852	47	321	473	998	519	1 245
Pingtung County	2 516	1 515	51	337	330	778	1 001	907
Taitung County	1 404	938	-	358	66	470	465	399
Hualien County	1 638	998	-	439	109	440	640	354
Penghu County	284	196	-	-	78	118	88	2 242
Keelung City	632	81	17	58	6	-	551	4 761
Hsinchu City	590	99	17	47	36	-	491	5 668
Chiayi City	367	46	6	18	23	-	320	6 106

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 70. 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
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
2011	1 164 297	943 694	220 603	17 039 888	7 503 861	9 536 027	638 499
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
2018	1 249 698	1 113 776	135 922	17 136 059	9 770 619	7 365 440	560 770
2019	1 246 943	1 117 585	129 359	17 064 304	9 974 533	7 089 771	559 682
2020	1 078 800	977 145	101 655	14 305 979	8 875 988	5 429 991	501 588
2021	791 639	723 208	68 430	10 153 204	6 580 579	3 572 625	516 852
2022	836 737	769 353	67 384	10 286 544	6 828 833	3 457 711	513 875
2023	959 605	881 042	78 564	11 591 013	7 559 624	4 031 389	503 941
Year	Freight traffic volume of highway trucking carriers	Freeway transportation					
		Ton-kilometers (1,000 Ton-kms)	Vehicle traffic of freeway (2) (1,000 Cars)				Toll (Million NT\$)	Rule-violating vehicles (Cases)
	Total		Small vehicles	Large vehicles	Tractor trailers		
1952	63 682	-	-	-	-	-	-
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
2011	29 550 818	571 229	479 549	52 565	39 115	22 602	679 086
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
2018	44 169 158	5 926 683	5 194 819	420 356	311 508	23 706	618 305
2019	44 369 952	5 974 965	5 249 357	419 525	306 084	23 741	661 813
2020	33 199 002	6 075 322	5 377 980	390 708	306 633	24 229	677 318
2021	34 094 241	5 797 621	5 090 393	377 411	329 817	23 176	693 687
2022	33 962 793	6 180 010	5 470 508	383 572	325 930	24 670	819 216
2023	33 170 795	6 383 523	5 680 977	389 778	312 768	25 504	880 078

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 71. Number of registered vehicles

Cars

End of Year & District	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
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
2011	22 226 684	29 991	1 863	28 128	164 221	95 003	69 218
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
2018	21 871 240	33 877	1 622	32 255	164 661	95 665	68 996
2019	22 111 807	33 288	1 570	31 718	165 680	96 119	69 561
2020	22 297 000	32 521	1 553	30 968	167 307	96 660	70 647
2021	22 597 694	31 936	1 533	30 403	170 833	97 723	73 110
2022	22 844 046	31 244	1 521	29 723	173 097	96 376	76 721
2023	23 136 070	30 506	1 525	28 981	175 537	97 689	77 848
Taiwan Area							
New Taipei City	3 357 114	7 139	130	7 009	15 396	7 286	8 110
Taipei City	1 777 720	6 039	188	5 851	8 050	3 990	4 060
Taoyuan City	2 228 302	2 208	136	2 072	21 974	9 311	12 663
Taichung City	3 021 832	3 163	179	2 984	21 941	13 493	8 448
Tainan City	2 113 107	1 925	61	1 864	13 885	8 603	5 282
Kaohsiung City	3 047 914	2 863	173	2 690	26 950	12 038	14 912
Yilan County	451 288	331	51	280	4 110	2 159	1 951
Hsinchu County	589 106	549	34	515	6 006	2 638	3 368
Miaoli County	566 728	511	61	450	5 300	3 240	2 060
Changhua County	1 362 979	1 062	90	972	13 798	9 548	4 250
Nantou County	537 771	437	63	374	4 722	2 955	1 767
Yunlin County	733 656	610	56	554	8 955	5 986	2 969
Chiayi County	547 576	139	32	107	4 945	4 111	834
Pingtung County	940 549	508	52	456	6 631	4 669	1 962
Taitung County	233 044	183	31	152	1 694	1 429	265
Hualien County	328 384	306	78	228	2 701	1 826	875
Penghu County	123 421	269	7	262	558	520	38
Keelung City	292 972	227	15	212	2 444	495	1 949
Hsinchu City	459 570	944	49	895	2 317	1 495	822
Chiayi City	281 827	702	27	675	2 306	1 212	1 094
Kinmen & Lienchiang Area							
Kinmen County	128 834	319	11	308	695	550	145
Lienchiang County	12 376	72	1	71	159	135	24

Note: Data do not include Kinmen County and Lienchiang County before 1997.

Source: Ministry of Transportation and Communications

Table 71. Number of registered vehicles (continued)

End of Year & District	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
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
2011	5 960 088	5 787 010	173 078	848 732	817 543	31 189	50 050	15 173 602
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
2018	6 845 711	6 617 429	228 282	926 128	885 166	40 962	65 343	13 835 520
2019	6 919 256	6 685 641	233 615	934 456	892 277	42 179	66 205	13 992 922
2020	6 984 750	6 749 381	235 369	941 016	896 872	44 144	67 643	14 103 763
2021	7 104 034	6 862 695	241 339	954 793	906 451	48 342	69 178	14 266 920
2022	7 210 327	6 960 694	249 633	968 843	916 906	51 937	69 909	14 390 626
2023	7 335 792	7 070 236	265 556	976 720	924 776	51 944	72 177	14 545 338
Taiwan Area								
New Taipei City	956 279	930 988	25 291	100 131	92 325	7 806	11 254	2 266 915
Taipei City	748 095	600 152	147 943	65 288	39 842	25 446	9 439	940 809
Taoyuan City	766 278	756 254	10 024	77 171	72 294	4 877	6 363	1 354 308
Taichung City	1 017 042	993 687	23 355	125 847	122 081	3 766	8 380	1 845 459
Tainan City	629 616	609 370	20 246	89 172	86 133	3 039	5 136	1 373 373
Kaohsiung City	811 628	794 652	16 976	107 177	103 933	3 244	7 450	2 091 846
Yilan County	147 175	145 844	1 331	22 254	22 112	142	1 710	275 708
Hsinchu County	221 896	220 453	1 443	22 477	21 093	1 384	1 608	336 570
Miaoli County	201 129	200 236	893	27 803	27 691	112	1 936	330 049
Changhua County	428 899	424 881	4 018	77 366	76 804	562	3 533	838 321
Nantou County	176 526	176 000	526	37 518	37 435	83	1 791	316 777
Yunlin County	232 285	231 815	470	52 842	52 617	225	2 222	436 742
Chiayi County	170 096	169 637	459	39 512	39 402	110	1 481	331 403
Pingtung County	245 004	244 285	719	55 672	55 560	112	2 414	630 320
Taitung County	66 168	64 968	1 200	17 366	17 339	27	1 233	146 400
Hualien County	106 550	104 799	1 751	21 036	20 981	55	1 491	196 300
Penghu County	30 984	29 659	1 325	4 114	4 106	8	485	87 011
Keelung City	92 588	88 709	3 879	6 727	6 433	294	1 091	189 895
Hsinchu City	153 719	152 250	1 469	12 032	11 670	362	1 521	289 037
Chiayi City	86 509	85 503	1 006	10 249	10 045	204	966	181 095
Kinmen & Lienchiang Area								
Kinmen County	43 949	42 822	1 127	4 517	4 439	78	509	78 845
Lienchiang County	3 377	3 272	105	449	441	8	164	8 155

Table 72. Number of national vessels registration and freight traffic volume

Year	National vessels registration (1)			Cargo tonnage (1,000 MTs)	Ton-nautical mile (Million ton-nautical miles)
	Vessels (Vessels)	G.R.T (Ton)	D.W.T (Ton)		
1952	7	2 248	1 742	2 840	7 055
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
2011	290	2 888 558	4 493 037	53 477	126 859
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
2018	267	4 173 822	6 136 249	65 577	147 520
2019	285	4 723 929	7 110 663	69 297	163 509
2020	300	4 913 161	7 571 142	70 317	175 580
2021	317	4 773 765	7 228 788	65 952	154 104
2022	317	4 800 890	6 816 889	63 292	156 052
2023	315	4 567 393	6 372 798	61 841	146 514

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

Source: Ministry of Transportation and Communications

Table 73. 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	-	-
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
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
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
2018	218 354	13 181	114 292	3 100	66 919	17 149	3 713	169 106	9 553	81 977	2 168	58 718
2019	205 414	10 933	107 930	2 797	64 509	15 777	3 468	156 254	7 548	76 162	1 769	55 694
2020	200 069	10 466	101 678	2 722	65 923	15 871	3 409	154 533	7 296	72 956	1 821	57 112
2021	213 283	11 356	110 715	2 807	68 247	16 671	3 486	164 660	7 835	79 120	2 112	59 722
2022	198 109	10 563	104 330	2 537	63 796	13 444	3 438	153 622	7 244	75 365	1 989	55 799
2023	182 022	9 469	90 364	2 385	60 078	16 730	2 997	142 967	6 461	64 991	2 027	52 977
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
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
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
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
2018	13 395	3 295	49 248	3 628	32 315	932	8 200	3 755	418	12.9	14.0	9.1
2019	11 988	3 092	49 160	3 385	31 768	1 028	8 815	3 789	376	14.4	15.6	10.4
2020	12 325	3 023	45 536	3 170	28 722	901	8 811	3 546	386	14.9	16.1	11.2
2021	12 769	3 101	48 623	3 521	31 595	695	8 525	3 902	385	12.6	13.4	10.0
2022	10 103	3 122	44 487	3 319	28 964	548	7 997	3 341	316	12.0	12.4	10.4
2023	13 705	2 805	39 056	3 008	25 372	358	7 100	3 024	193	10.6	10.8	9.7

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 74. 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	-	-
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
2011	385 140	205 337	179 803	42 856	32 133	10 484	239	2 178 856	1 108 646	35 899
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
2018	547 193	325 179	222 014	68 904	56 922	11 592	390	2 463 342	1 316 145	30 011
2019	581 508	338 537	242 971	72 157	59 577	12 241	339	2 314 881	1 282 892	30 434
2020	342 911	132 700	210 211	18 998	8 831	10 113	54	2 435 256	1 220 052	28 678
2021	267 458	111 656	155 802	7 597	1 024	6 574	0	2 918 772	1 513 262	23 783
2022	306 686	118 819	187 867	15 486	5 762	9 706	18	2 634 734	1 354 259	30 326
2023	434 477	238 950	195 527	52 043	40 923	11 002	118	2 205 196	1 104 037	28 796

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
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
2011	163 200	26 414	239	2 064 194	42 596	4 051	59 193	58 185	5 259	34 492
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
2018	256 069	46 535	383	2 322 820	60 155	6 974	73 545	58 056	6 226	47 133
2019	265 625	48 689	329	2 182 342	64 015	7 507	64 677	62 951	6 350	47 800
2020	118 449	7 438	52	2 342 714	26 475	1 892	46 506	40 345	3 090	28 296
2021	106 893	909	0	2 812 065	16 317	837	57 087	26 874	1 702	35 251
2022	112 496	5 342	18	2 538 768	20 666	1 239	46 313	37 402	2 774	31 511
2023	201 771	35 355	118	2 112 988	40 516	4 225	40 018	46 269	5 067	34 805

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 74. Traffic of civil aviation by airports (continued)

Year	Hualien Airport			Taitung Airport			Penghu 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	-	-	-	-	-	-	-	-	-
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
2011	4 938	251	541	10 727	437	376	35 936	2 010	7 073
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
2018	4 193	193	157	42 857	327	241	38 958	2 529	6 183
2019	4 374	118	160	48 388	332	242	44 728	2 744	5 970
2020	3 150	70	85	55 549	326	281	36 250	2 547	5 891
2021	2 382	31	41	46 155	214	229	25 642	1 624	5 145
2022	2 070	38	50	43 335	290	237	33 532	2 496	5 985
2023	2 666	39	71	47 910	274	180	31 892	2 639	5 784
Year	Taichung Airport			Tainan Airport			Others (2)		
	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	-	-	-	-	-	-	-	-	-
1981	1 798	15	209	2 553	236	826	720	71	488
1991	9 546	189	697	12 642	644	1 900	24 069	418	3 459
2001	36 829	1 246	1 683	22 274	1 646	1 198	52 863	2 286	7 617
2011	18 437	1 450	2 133	4 178	235	570	46 943	2 749	10 284
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
2018	30 838	2 639	3 757	6 367	476	758	49 700	3 005	8 748
2019	33 694	2 822	3 729	6 443	469	789	51 290	3 126	9 172
2020	17 030	1 105	2 308	4 588	258	856	41 075	2 272	8 319
2021	10 953	582	1 545	3 049	169	635	29 193	1 529	6 774
2022	15 553	937	1 889	3 761	214	846	37 871	2 156	9 135
2023	18 910	1 499	1 956	3 871	261	810	40 672	2 684	8 584

Note: (2) From 2004, it includes the data of Hengchun Airport.

Table 75. 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
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	1 505 975 668
2011	8 575 531	3 597 429	4 978 102	171 584 037	470 973 044	393 344 578	1 364 127 550
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
2018	5 019 817	2 976 347	2 043 470	48 738 692	120 017 680	51 490 736	173 182 518
2019	4 465 869	2 912 190	1 553 679	37 599 903	98 089 132	35 337 764	116 327 956
2020	3 249 498	2 187 251	1 062 247	16 393 916	37 667 957	32 321 280	80 932 517
2021	3 127 020	2 054 532	1 072 488	12 133 725	25 849 194	21 806 803	56 065 499
2022	2 666 973	1 820 058	846 915	15 117 195	21 986 369	25 187 929	45 611 891
2023	2 499 720	1 713 682	786 038	12 952 254	20 099 198	17 904 820	35 689 799

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 76. Telephone business

End of Year	Subscribers of local telephones (10,000 Households)		Subscribers of mobile telephones (1,000 Subscribers)		No. of public telephones (Sets)	Long-distance telephone circuits
		Subscribers per 100 pop. (Subscribers)		No. of minutes of outgoing calls (Million minutes)		Domestic (Circuits)
1952	2	-	-	-	-	463
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
2011	1 268	54.6	28 862	42 835	82 345	7 310 590
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	22 648	59 352	4 107 852
2017	1 145	48.6	28 656	18 161	53 826	6 202 512
2018	1 121	47.5	29 220	14 686	48 066	8 355 850
2019	1 099	46.6	29 208	12 325	41 311	8 027 116
2020	1 075	45.6	29 289	11 036	37 063	6 406 036
2021	1 052	45.0	29 580	10 286	33 454	4 804 966
2022	1 028	44.2	30 147	9 267	30 445	4 390 134
2023	1 000	42.7	29 852	7 722	27 965	3 711 844
End of Year	Long-distance telephone circuits			International telephones (1)		
	International (Circuits)			No. of outgoing calls (1,000 Calls)	Mainland China	No. of minutes of outgoing calls (1,000 Minutes)
	Total	Telephone circuits	Data circuits			
1952	-	-	-	-	-	-
1981	-	-	-	4 293	-	27 049
1991	-	-	-	104 844	8 719	297 616
2001	-	-	-	433 642	154 668	1 514 416
2011	5 537 101	71 932	5 465 169	1 065 185	393 345	4 666 714
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
2018	66 467 506	72 937	66 394 569	290 099	51 491	1 088 303
2019	123 773 193	66 662	123 706 531	241 961	35 338	696 408
2020	171 834 137	54 974	171 779 163	145 949	32 321	436 444
2021	252 937 105	49 759	252 887 346	110 854	21 807	279 441
2022	277 146 395	48 475	277 097 920	97 783	25 188	227 539
2023	282 646 466	46 786	282 599 680	69 192	17 905	165 571

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

Source: 1. Ministry of Transportation and Communications

2. National Communications Commission

Table 77. Data communication business

End of Year	No. of rental data circuit (Circuits)			Subscribers of ISDN (Households)	No. of internet accounts (1,000 Households)	Broadband (1,000 Households)	Individual internet use rate (%)
	Total	Domestic	International				
1986	54	-	54	-	-	-	-
1991	30 899	30 742	157	-	-	-	-
2001	147 022	146 557	465	42 470	6 232	1 170	-
2006	166 954	165 816	1 138	63 449	7 037	4 506	64.4
2011	172 124	170 476	1 648	123 321	6 092	5 516	72.0
2014	138 384	136 511	1 873	104 324	7 945	7 437	78.0
2015	146 442	144 112	2 330	14 423	8 112	7 617	78.0
2016	169 004	166 806	2 198	13 753	6 205	5 792	79.7
2017	152 179	150 040	2 139	13 073	6 223	5 823	82.3
2018	153 633	151 336	2 297	9 136	6 149	5 762	86.5
2019	149 700	147 379	2 321	7 141	6 273	5 897	86.2
2020	144 351	141 783	2 568	6 256	5 896	5 531	86.6
2021	114 467	111 926	2 541	6 233	5 609	5 254	-
2022	132 277	129 621	2 656	6 019	5 338	4 991	87.5
2023	126 877	124 104	2 773	5 856	5 600	5 261	87.2

Source: 1. Ministry of Transportation and Communications
2. National Communications Commission
3. Ministry of Digital Affairs

Table 78. 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
2011	9 583 873	8 762 214	473 259	239 062	101 614	238	7 486
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
2018	16 644 684	15 152 547	710 039	537 777	224 274	16 649	3 398
2019	17 101 335	15 757 473	676 520	363 583	228 135	27	75 597
2020	2 335 564	2 038 522	175 736	59 773	52 488	23	9 022
2021	359 977	232 736	114 339	7 139	4 833	65	865
2022	1 482 821	1 137 862	250 502	57 536	35 582	205	1 134
2023	11 795 834	10 752 314	543 463	311 041	169 510	340	19 166

Note: The figures are outbound departure of first or main destination.

Source: Ministry of Transportation and Communications

Table 79. 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
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
2011	6 087 484	3 588 727	2 498 757	3 633 856	1 290 933	984 845	500 131	62 829	81 780
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
2018	11 066 707	6 845 815	4 220 892	7 594 251	2 045 644	738 027	483 052	76 925	73 529
2019	11 864 105	7 518 268	4 345 837	8 444 024	2 052 401	746 115	478 220	80 630	76 308
2020	1 377 861	1 096 321	281 540	694 187	38 554	81 324	79 882	19 489	3 831
2021	140 479	112 410	28 069	156	-	11 937	6 542	7 644	102
2022	895 962	830 902	65 060	254 686	68	96 620	85 921	14 269	5 893
2023	6 486 951	5 111 640	1 375 311	4 316 832	32 906	435 743	368 437	43 557	41 130

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
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
2011	-	-	824 043	11 065	7.05	258	1 817.6	69.5	62.2
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
2018	17 355	34 701	2 048 867	13 705	6.46	192	1 238.4	64.9	58.1
2019	18 320	55 937	1 964 551	14 411	6.20	196	1 214.6	68.5	60.9
2020	745	8 191	490 212	1 800	8.29	-	-	40.3	34.2
2021	29	808	113 261	745	58.55	91	5 301.1	34.2	31.4
2022	1 666	2 015	434 892	1 781	20.91	95	1 988.3	47.7	46.8
2023	19 943	12 280	1 249 029	8 661	7.39	181	1 335.2	62.4	55.7

Source: Ministry of Transportation and Communications

Table 80. Number of foreign visitor arrivals by residence

Person-times

Year	Grand Total									
		Asia	Hong Kong, Macao	Japan	Korea	Malaysia	Singapore	Indonesia	Philippines	Thailand
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
2018	6 845 815	5 632 067	115 640	1 967 526	1 015 624	525 316	426 879	210 514	416 429	319 606
2019	7 518 268	6 223 505	116 673	2 166 211	1 238 870	536 856	460 264	229 482	506 820	413 502
2020	1 096 321	906 325	10 388	269 260	178 245	72 522	49 861	55 575	76 665	63 475
2021	112 410	81 290	69	9 880	3 135	6 162	2 358	13 759	9 111	7 532
2022	830 902	641 103	4 790	86 938	51 145	58 851	69 233	78 032	63 670	74 169
2023	5 111 640	4 069 192	64 700	926 726	742 434	436 824	463 391	201 646	348 702	394 167

Year								Oceania	Africa	Others
	America	Canada	U.S.A.	Europe	France	Germany	U.K.			
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
2018	727 161	128 113	575 869	349 492	52 574	65 206	70 900	121 291	11 835	3 969
2019	760 737	136 252	600 726	386 168	57 291	72 593	76 759	134 456	12 371	1 031
2020	103 114	18 651	80 263	59 188	8 922	9 296	11 780	22 456	2 468	2 770
2021	12 085	1 060	9 645	16 039	1 498	1 865	2 864	1 252	878	866
2022	101 954	12 657	84 544	64 879	8 174	10 640	13 390	14 231	3 337	5 398
2023	631 066	91 596	521 980	297 741	42 650	60 523	60 360	103 384	9 155	1 102

Source: Tourism Administration, MOTC

FINANCE AND INSURANCE

Table 81. Key financial indicators

100 Millions NT\$

End of year	Foreign exchange reserves (100 Million US\$)	Monetary aggregates (M _{1B})		Monetary aggregates (M ₂) (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
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
2011	3 855	118 302	3.26	324 519	4.84	469 541	5.47	27 209	7.49
2014	4 190	143 101	6.23	376 968	6.13	568 299	7.19	32 633	4.53
2015	4 260	152 926	6.87	398 840	5.80	607 126	6.83	34 524	5.76
2016	4 342	161 777	5.79	413 018	3.55	638 980	5.25	36 303	5.09
2017	4 515	167 414	3.48	427 702	3.56	672 411	5.23	37 765	3.97
2018	4 618	177 160	5.82	439 052	2.65	704 974	4.84	40 545	7.18
2019	4 781	190 606	7.59	458 918	4.52	744 291	5.58	42 985	5.98
2020	5 299	222 803	16.89	501 879	9.36	803 857	8.00	48 362	12.39
2021	5 484	249 735	12.09	538 752	7.35	855 653	6.44	53 491	10.47
2022	5 549	258 054	3.33	575 086	6.74	909 301	6.27	59 278	6.60
2023	5 706	268 253	3.95	607 548	5.64	951 180	4.61	62 026	4.64
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
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
2011	323 022	4.18	241 729	6.00	808 714	240.0	1.875	0.70	0.34
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
2018	431 958	2.62	337 475	5.39	852 619	230.1	1.375	0.49	0.18
2019	450 861	4.38	354 224	4.96	845 828	221.0	1.375	0.55	0.18
2020	492 197	9.17	378 266	6.79	836 524	211.1	1.125	0.39	0.10
2021	527 570	7.19	409 996	8.39	850 851	192.9	1.125	0.26	0.08
2022	563 301	6.77	436 168	6.38	940 360	205.6	1.750	0.82	0.26
2023	594 271	5.50	464 853	6.58	941 297	213.9	1.875	1.30	0.65

Note: (1) M₂ 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 Oct. 1, 2022 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 82. Consolidated assets and liabilities of monetary financial institutions

I . Assets

Million NT\$

End of year	Assets(net) = lia.& equity (net)	Foreign assets (1)	Loans and discounts (2)				Portfolio investments in entities excluding financial institutions (3)
			Subtotal	Government agencies	Government enterprises	Private 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
2006	31 927 680	11 227 432	17 598 943	1 611 281	525 391	15 462 271	2 693 911
2011	39 918 536	15 372 443	20 960 771	1 553 540	824 558	18 582 673	3 259 381
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
2018	55 384 931	20 762 282	27 659 920	1 236 328	554 439	25 869 153	6 243 620
2019	57 961 323	21 580 153	29 011 025	1 242 052	539 024	27 229 949	6 634 505
2020	61 665 535	22 883 137	31 042 311	1 365 672	415 870	29 260 769	7 042 713
2021	65 200 175	23 165 951	33 491 968	1 391 925	528 161	31 571 882	7 786 620
2022	70 574 959	25 913 127	36 150 109	1 369 131	958 750	33 822 228	7 583 846
2023	74 768 237	27 146 024	38 065 232	1 290 985	1 025 669	35 748 578	8 679 371
End of year	Portfolio investments in entities excluding financial institutions (3)			Portfolio investments in financial institutions (3)(4)(5)	Claims on life insurance companies etc.	Real estate investments	Cash in vaults
	Government agencies	Government enterprises	Private 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
2006	1 442 945	123 333	1 127 633	204 614	1 708	1	201 071
2011	2 199 313	219 252	840 816	112 405	270	1	213 265
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
2018	3 855 518	524 858	1 863 244	464 418	1	-	254 690
2019	3 942 277	588 667	2 103 561	402 778	1	-	332 861
2020	3 876 872	716 515	2 449 326	433 089	-	-	264 285
2021	3 985 409	739 703	3 061 508	462 767	-	-	292 869
2022	4 178 466	775 802	2 629 578	506 479	11 912	-	409 486
2023	4 363 545	954 389	3 361 437	543 266	20 653	-	313 691

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 82. Consolidated assets and liabilities of monetary financial institution (continued)

II. Liabilities & equity

Millions NT\$

End of year	Foreign liabilities (1)	Currency issued	Deposits & money market mutual funds held by enterprises and individuals					
			Subtotal	Checking accounts	Passbook deposits	Passbook savings deposits	Time deposits (6)(7)	Time savings 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
2006	1 913 993	959 792	24 171 821	368 535	1 942 742	5 152 628	3 207 793	7 799 752
2011	2 197 026	1 320 609	30 782 080	407 865	3 013 953	7 301 054	4 792 661	7 929 738
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	4 945 198	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
2018	2 920 660	2 197 292	41 626 793	462 805	4 523 754	10 786 825	5 318 929	8 733 795
2019	2 758 844	2 447 251	43 437 577	453 847	4 902 179	11 590 209	5 259 369	9 038 495
2020	2 552 927	2 604 479	47 500 321	462 841	6 031 199	13 446 101	5 554 868	8 830 016
2021	2 860 513	2 948 411	50 887 939	530 677	6 994 240	14 793 011	5 911 358	8 790 469
2022	2 443 305	3 356 829	54 230 517	536 103	6 966 646	15 355 287	6 287 989	9 655 000
2023	2 506 221	3 428 365	57 327 183	527 032	7 173 827	16 009 760	6 958 581	10 701 449
End of year	Deposits & money market mutual funds held by enterprises and individuals			Government deposits	Due to life insurance companies etc.	Bank debentures issued (10)	Equity	Others (net) (7)
	Foreign currency deposits (7)(8)	Postal savings deposits	Money market mutual funds (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
2006	1 693 697	4 002 250	4 424	901 968	236 295	925 915	3 011 388	- 193 492
2011	2 678 404	4 656 799	1 606	957 601	842 215	884 870	3 184 415	- 250 280
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	897 943	769 603	1 210 475	3 904 578	595 765
2015	4 696 000	5 738 129	266	1 037 247	515 403	1 253 490	4 300 269	1 197 783
2016	5 002 596	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
2018	5 749 776	6 050 909	-	1 233 232	662 616	1 313 147	5 040 569	390 622
2019	6 034 062	6 159 416	-	1 308 611	1 167 995	1 311 927	5 381 186	147 932
2020	6 892 630	6 282 666	-	1 372 000	1 402 495	1 256 003	5 554 582	- 577 272
2021	7 406 683	6 461 501	-	1 537 328	1 255 401	1 231 913	5 781 142	-1 302 472
2022	8 680 723	6 748 769	-	1 768 836	914 061	1 240 473	5 923 002	697 936
2023	8 971 741	6 984 793	-	1 786 934	806 909	1 210 854	6 520 492	1 181 279

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) Beginning Aug. 2015, includes 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 83. Consolidated assets and liabilities of financial institutions

I . Assets

Million NT\$

End of year	Assets(net) = lia.& equity (net)	Foreign assets (1)	Loans and discounts (2)				Subtotal
			Subtotal	Government agencies	Government enterprises	Private sector	
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
2006	38 408 672	13 278 845	18 692 761	1 611 281	525 391	16 556 089	5 337 022
2011	50 439 640	19 620 010	22 154 442	1 553 540	824 558	19 776 344	7 189 692
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	70 793 492	32 658 882	26 617 842	1 327 585	515 184	24 775 073	9 193 298
2017	73 876 158	33 880 438	27 775 040	1 255 487	499 143	26 020 410	9 809 079
2018	78 237 043	36 359 523	29 128 468	1 236 328	554 439	27 337 701	10 133 603
2019	82 870 057	38 191 286	30 425 322	1 242 052	539 024	28 644 246	11 467 765
2020	88 559 770	40 587 447	32 396 394	1 365 672	415 870	30 614 852	12 608 281
2021	93 705 551	42 212 044	34 831 759	1 391 925	528 161	32 911 673	13 598 388
2022	99 715 791	46 423 449	37 446 127	1 369 131	958 750	35 118 246	12 504 317
2023	104 919 322	48 191 847	39 297 878	1 290 985	1 025 669	36 981 224	14 128 846
End of year	Portfolio investments in entities excluding financial institutions (3)			Portfolio investments in financial institutions (3)(4)(5)	Real estate investments	Cash in vaults	
	Government securities	Government enterprises	Private 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	
2006	3 048 905	173 679	2 114 438	635 693	262 635	201 716	
2011	4 586 950	434 326	2 168 416	797 279	464 518	213 699	
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	990 245	258 056	
2017	5 296 289	631 407	3 881 383	1 142 038	1 018 364	251 199	
2018	5 245 430	638 545	4 249 628	1 331 199	1 029 180	255 070	
2019	5 222 367	696 924	5 548 474	1 273 083	1 179 372	333 229	
2020	5 365 478	805 796	6 437 007	1 320 692	1 382 299	264 657	
2021	5 466 705	810 975	7 320 708	1 353 473	1 416 885	293 002	
2022	5 398 908	858 293	6 247 116	1 461 189	1 471 105	409 604	
2023	5 470 826	1 027 796	7 630 224	1 469 191	1 517 777	313 783	

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 83. Consolidated assets and liabilities of financial institutions (continued)

II. Liabilities & equity

Million NT\$

End of year	Foreign liabilities (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
2006	1 913 993	959 792	368 535	1 942 742	5 152 628	3 207 793	7 799 752	1 693 697
2011	2 197 026	1 320 609	407 865	3 013 953	7 301 054	4 792 661	7 929 738	2 678 404
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	4 945 198	8 905 975	5 002 596
2017	2 679 435	2 042 185	432 011	4 301 094	10 217 015	5 211 288	8 805 026	5 671 371
2018	2 920 660	2 197 292	462 805	4 523 754	10 786 825	5 318 929	8 733 795	5 749 776
2019	2 758 844	2 447 251	453 847	4 902 179	11 590 209	5 259 369	9 038 495	6 034 062
2020	2 552 927	2 604 479	462 841	6 031 199	13 446 101	5 554 868	8 830 016	6 892 630
2021	2 860 513	2 948 411	530 677	6 994 240	14 793 011	5 911 358	8 790 469	7 406 683
2022	2 443 305	3 356 829	536 103	6 966 646	15 355 287	6 287 989	9 655 000	8 680 723
2023	2 506 221	3 428 365	527 032	7 173 827	16 009 760	6 958 581	10 701 449	8 971 741
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
2006	4 002 250	4 424	901 968	2 496 023	6 434 160	925 915	3 515 992	-2 910 992
2011	4 656 799	1 606	957 601	3 076 140	11 182 235	884 870	3 615 411	-3 576 332
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	897 943	3 248 329	15 557 494	1 210 475	4 883 481	-2 651 243
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	-2 854 547
2017	5 981 117	-	1 115 041	3 286 557	20 760 292	1 224 554	6 102 883	-3 953 711
2018	6 050 909	-	1 233 232	3 461 634	22 706 152	1 313 147	6 130 319	-3 352 186
2019	6 159 416	-	1 308 611	3 688 143	24 454 701	1 311 927	7 310 838	-3 847 835
2020	6 282 666	-	1 372 000	3 846 283	25 979 534	1 256 003	8 073 302	-4 625 079
2021	6 461 501	-	1 537 328	4 154 281	27 185 925	1 231 913	8 503 524	-5 604 283
2022	6 748 769	-	1 768 836	4 644 725	28 438 888	1 240 473	7 513 412	-3 921 194
2023	6 984 793	-	1 786 934	5 170 891	28 864 042	1 210 854	8 766 082	-4 141 250

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) Beginning Aug. 2015, includes 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 84. Interest rates and monetary market

%

Year	Discount rate (End of period)	Base lending rates (End of period)	Weighted averages of overnight interest rates	CP rates (1)	Monetary aggregates (End of period) (100 million NT\$)	
					M _{1B}	M ₂
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
2018	1.38	2.63	0.18	0.49	177 160	439 052
2019	1.38	2.63	0.18	0.55	190 606	458 918
2020	1.13	2.44	0.10	0.39	222 803	501 879
2021	1.13	2.44	0.08	0.26	249 735	538 752
2022	1.75	2.84	0.26	0.82	258 054	575 086
2023	1.88	3.13	0.65	1.30	268 253	607 548

Note: (1) It is 31-90 days CP rates in secondary market.

Source: Central Bank

Table 85. Securities trading on TWSE market

I . Trading value and volume

Million NT\$

Year	Trading days (Days)	Weighted averages of stock index (Monthly 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 shares)	Total trading value	Total trading volume (Million shares)	Total trading value	Total trading volume (Million shares)	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
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
2011	247	8 155.79	26 996 174	650 941	26 197 408	768	10 641	296 822	284 679	11 082	142 184	-
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	-
2018	247	10 620.17	32 162 376	588 973	29 608 866	315	4 224	723 926	712 550	683	2 684	-
2019	242	10 790.17	29 056 647	520 272	26 464 628	729	10 025	391 169	497 094	866	2 396	-
2020	245	12 074.63	49 182 526	906 809	45 654 292	753	11 548	397 868	509 195	12 901	163 287	-
2021	244	16 938.12	95 516 991	1 497 459	92 289 966	369	5 310	556 827	681 152	7 266	72 506	-
2022	246	15 623.49	59 573 746	822 565	56 080 589	542	9 435	487 758	531 210	1 904	10 358	-
2023	239	16 386.23	67 206 187	777 730	63 170 249	1 798	36 584	458 431	531 645	2 257	9 251	-

Source: Financial Supervisory Commission

Table 85. Securities trading on TWSE market (continued)

I . Trading value and volume (continued)

Million NT\$

Year	ETF		ETN		Closed-end Fund		Investor analysis by trading value on TWSE market (1) (%)			
	Total trading volume (Million shares)	Total trading value	Total trading volume (Million shares)	Total trading value	Total trading volume (Million shares)	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
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
2011	9 269	360 762	-	-	65	500	15.45	21.78	62.74	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
2018	96 618	1 834 052	-	-	-	-	13.95	26.26	59.75	0.04
2019	125 047	2 080 519	285	1 985	-	-	14.16	27.62	58.18	0.04
2020	216 204	2 838 638	735	5 567	-	-	11.24	26.64	62.07	0.05
2021	147 494	2 454 476	2 187	13 581	-	-	8.16	23.80	67.99	0.05
2022	179 012	2 938 094	822	4 060	-	-	10.43	31.23	58.30	0.04
2023	206 580	3 454 322	665	4 136	-	-	10.72	31.33	57.91	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
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
2011	26 989 135	4 431 382	4 408 553	659 424	606 673	8 839 935	1 266 096	10 106 031
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
2018	32 162 376	2 548 195	2 518 037	508 885	476 680	5 066 232	985 566	6 051 798
2019	29 056 319	2 213 012	2 157 449	364 622	340 236	4 370 461	704 858	5 075 319
2020	49 182 526	3 570 494	3 473 892	511 091	472 486	7 044 386	983 576	8 027 962
2021	95 516 991	6 893 758	6 805 133	738 436	696 260	13 698 890	1 434 696	15 133 586
2022	59 573 746	3 267 744	3 290 002	635 173	583 914	6 557 745	1 219 087	7 776 832
2023	67 206 187	4 248 476	4 105 266	466 531	445 157	8 353 741	911 689	9 265 430

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 86. Foreign exchange rates

NT\$ per foreign currency

End of year	U.S. dollar (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
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
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
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
2018	30.65	30.75	3.89	3.95	38.64	39.04	2.08	2.18	22.36	22.56	21.55	21.75
2019	29.95	30.05	3.82	3.88	39.20	39.60	2.08	2.18	22.19	22.39	20.93	21.13
2020	28.05	28.15	3.60	3.66	38.16	38.56	1.87	1.97	21.17	21.37	21.57	21.77
2021	27.63	27.73	3.52	3.58	37.09	37.49	1.68	1.78	20.35	20.55	19.99	20.19
2022	30.67	30.77	3.91	3.97	36.85	37.25	1.76	1.86	22.77	22.97	20.73	20.93
2023	30.66	30.76	3.90	3.96	38.96	39.36	1.61	1.71	23.20	23.40	20.89	21.09

End of year	Swiss franc		Thai baht		Canadian dollar		Euro		Renminbi (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
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
2011	32.06	32.32	0.9442	0.9842	29.56	29.76	38.97	39.37	-	-	0.3885	0.3925
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
2018	31.05	31.31	0.9321	0.9721	22.46	22.66	34.98	35.38	4.45	4.50	0.2760	0.2800
2019	30.84	31.10	0.9900	1.0300	22.90	23.10	33.42	33.82	4.28	4.33	0.2741	0.2783
2020	31.76	32.02	0.9229	0.9629	21.95	22.15	34.36	34.76	4.30	4.35	0.2705	0.2745
2021	30.05	30.31	0.8141	0.8541	21.52	21.72	31.12	31.52	4.32	4.37	0.2383	0.2423
2022	33.10	33.36	0.8734	0.9134	22.57	22.77	32.52	32.92	4.38	4.43	0.2304	0.2344
2023	36.38	36.64	0.8814	0.9214	23.10	23.30	33.79	34.19	4.30	4.35	0.2152	0.2192

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 87. 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	
2009	40 662	39 372	- 9 100	12 524	- 2 134	- 50	2	52	40 612
2010	36 726	36 886	- 11 048	13 576	- 2 688	- 49	5	54	36 677
2011	37 914	39 648	- 11 252	13 179	- 3 661	- 36	3	39	37 878
2012	42 925	49 290	- 18 374	14 593	- 2 584	- 24	4	28	42 901
2013	49 937	54 578	- 15 197	13 520	- 2 964	67	103	36	50 004
2014	60 607	60 249	- 11 344	14 458	- 2 756	- 8	29	37	60 599
2015	72 730	73 139	- 10 819	13 779	- 3 369	- 5	15	20	72 725
2016	71 264	71 002	- 10 524	13 956	- 3 170	- 9	17	26	71 255
2017	83 088	81 292	- 8 762	14 695	- 4 137	- 12	14	26	83 076
2018	71 814	66 934	- 6 656	14 856	- 3 320	63	86	23	71 877
2019	67 520	57 491	- 5 099	17 960	- 2 832	- 3	63	66	67 517
2020	98 094	75 273	3 719	22 252	- 3 150	- 9	10	19	98 085
2021	118 298	87 963	12 482	20 541	- 2 688	3	29	26	118 301
2022	101 032	68 238	12 673	23 338	- 3 217	- 46	6	52	100 986
2023	105 076	94 881	- 10 073	25 264	- 4 996	- 38	16	54	105 038

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			
2009	- 13 488	3 072	10 327	- 852	- 26 035	54 100	26	54 126
2010	339	9 082	20 664	- 577	- 28 830	36 338	3 835	40 173
2011	32 027	14 723	35 691	- 1 038	- 17 349	5 851	388	6 239
2012	31 465	9 930	42 496	- 391	- 20 570	11 436	4 048	15 484
2013	41 053	10 687	29 129	- 838	2 075	8 951	2 367	11 318
2014	50 531	9 883	44 041	- 546	- 2 847	10 068	2 947	13 015
2015	64 972	12 318	55 112	2 195	- 4 653	7 753	7 258	15 011
2016	58 490	8 254	77 120	1 700	- 28 584	12 765	- 2 102	10 663
2017	74 992	8 136	77 839	- 503	- 10 480	8 084	4 383	12 467
2018	59 914	10 944	84 028	1 638	- 36 696	11 963	536	12 499
2019	60 223	3 523	46 401	2 501	7 798	7 294	9 364	16 658
2020	49 074	5 447	59 034	434	- 15 841	49 011	- 669	48 342
2021	106 349	5 925	102 658	- 286	- 1 948	11 952	9 041	20 993
2022	94 561	5 431	105 388	4 656	- 20 914	6 425	4 458	10 883
2023	84 086	19 048	65 477	1 050	- 1 489	20 952	- 6 610	14 342

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

Source: Central Bank

Table 88. Number of financial institutions

End of year & District	Numbers						
	Total	Domestic banks	Foreign banks (1)	Credit co- operative associations	Credit departments of farmers' associations	Credit departments of fishermen's associations	Bills finance companies
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
2018	5 582	3 627	61	299	1 100	71	38
2019	5 577	3 630	61	307	1 097	71	38
2020	5 573	3 630	61	308	1 093	71	38
2021	5 565	3 638	62	310	1 092	71	38
2022	5 540	3 619	63	311	1 086	72	38
2023	5 545	3 628	64	312	1 081	72	38
OBU(OIU)	79	35	24	-	-	-	-
Overseas	154	154	-	-	-	-	-
Domestic	5 312	3 439	40	312	1 081	72	38
New Taipei City	770	580	-	32	128	3	4
Taipei City	1 139	976	31	17	20	-	11
Taoyuan City	386	268	-	15	72	1	5
Taichung City	578	398	4	32	102	-	5
Tainan City	405	231	-	14	122	9	3
Kaohsiung City	568	382	5	26	99	13	8
Yilan County	110	41	-	11	45	5	-
Hsinchu County	99	59	-	7	32	-	-
Miaoli County	105	47	-	2	46	4	-
Changhua County	243	98	-	52	72	8	-
Nantou County	105	36	-	-	62	-	-
Yunlin County	130	48	-	-	70	5	-
Chiayi County	121	19	-	1	91	8	-
Pingtung County	110	53	-	-	40	9	-
Taitung County	47	15	-	2	26	1	-
Hualien County	79	22	-	20	28	-	-
Penghu County	35	5	-	18	6	3	-
Keelung City	63	27	-	27	4	1	-
Hsinchu City	133	83	-	22	9	1	2
Chiayi City	72	43	-	10	6	-	-
Kinmen & Lienchiang Area	14	8	-	4	1	1	-

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

(1) Including local branches of Mainland Chinese Banks

Source: Central Bank

Table 88. Number of financial institutions (continued)

End of year & District	Numbers							
	Securities finance companies	Domestic life insurance companies	Domestic property and casualty insurance companies (2)	Domestic reinsurance companies	Foreign life insurance companies	Foreign property and casualty insurance companies	Foreign reinsurance companies	Financial holding companies
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
2018	6	155	194	2	4	7	2	16
2019	3	153	186	2	4	7	2	16
2020	3	153	186	2	4	6	2	16
2021	3	139	182	2	4	6	2	16
2022	3	139	182	2	2	6	2	15
2023	3	139	182	2	2	5	2	15
OBU(OIU)	-	15	4	1	-	-	-	-
Overseas	-	-	-	-	-	-	-	-
Domestic	3	124	178	1	2	5	2	15
New Taipei City	-	3	20	-	-	-	-	-
Taipei City	1	28	30	1	2	5	2	15
Taoyuan City	-	8	17	-	-	-	-	-
Taichung City	1	15	21	-	-	-	-	-
Tainan City	-	10	16	-	-	-	-	-
Kaohsiung City	1	14	20	-	-	-	-	-
Yilan County	-	3	5	-	-	-	-	-
Hsinchu County	-	1	-	-	-	-	-	-
Miaoli County	-	3	3	-	-	-	-	-
Changhua County	-	3	10	-	-	-	-	-
Nantou County	-	3	4	-	-	-	-	-
Yunlin County	-	3	4	-	-	-	-	-
Chiayi County	-	1	1	-	-	-	-	-
Pingtung County	-	4	4	-	-	-	-	-
Taitung County	-	2	1	-	-	-	-	-
Hualien County	-	5	4	-	-	-	-	-
Penghu County	-	3	-	-	-	-	-	-
Keelung City	-	3	1	-	-	-	-	-
Hsinchu City	-	5	11	-	-	-	-	-
Chiayi City	-	7	6	-	-	-	-	-
Kinmen & Lienchiang Area	-	-	-	-	-	-	-	-

Note: (2) Including Property and Casualty Insurance Co-operative Associations

REVENUES AND EXPENDITURES OF GOVERNMENT

Table 89. 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
2011	2 306 173	1 703 989	-	41 675	96 251
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	2 753 329	2 187 690	-	53 741	126 490
2018	2 848 611	2 299 208	-	56 737	100 225
2019	2 931 855	2 374 929	-	47 211	100 651
2020	3 036 132	2 289 895	-	51 178	239 265
2021	3 321 122	2 743 780	-	51 893	96 372
2022	3 690 710	3 093 938	-	48 379	101 904
2023	3 889 124	3 290 785	-	57 850	109 751

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
2011	293 954	14 220	67 268	9 333	79 484
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	271 421	20 292	35 081	9 194	49 419
2018	273 127	22 952	38 970	8 679	48 713
2019	288 644	21 285	43 843	8 895	46 397
2020	291 018	53 607	56 159	7 632	47 378
2021	284 472	24 425	49 351	9 400	61 429
2022	313 721	22 358	43 436	8 805	58 171
2023	287 112	33 886	32 832	9 866	67 042

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 90. Net government expenditures of all levels

Million NT\$

Fiscal Year	Total	Expenditures for general administration	Expenditures for national defense	Expenditures for education, science & culture	Expenditures for 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
2011	2 612 947	376 015	288 889	588 555	473 801
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	2 778 361	382 968	304 632	691 268	389 523
2018	2 845 491	401 547	308 571	675 759	452 830
2019	2 911 648	414 938	321 506	702 539	465 519
2020	3 241 989	423 442	341 049	704 234	649 266
2021	3 360 265	434 576	371 154	783 486	566 571
2022	3 652 373	452 372	439 538	792 656	681 120
2023	4 034 708	471 475	487 401	812 045	956 319

Fiscal Year	Expenditures for social welfare	Expenditures for community development & environmental protection	Expenditures for retirement and condolence	Expenditures for obligations (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
2011	446 922	88 872	213 039	121 120	15 735
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	563 844	124 648	198 495	107 339	15 642
2018	588 093	106 763	189 229	106 239	16 461
2019	591 121	104 652	191 559	104 462	15 351
2020	695 689	110 504	200 124	101 007	16 674
2021	795 993	91 861	204 612	93 384	18 628
2022	873 357	96 549	204 850	88 845	23 085
2023	889 678	97 093	208 342	91 481	20 874

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 91. Total net tax revenues

Million NT\$

Fiscal Year & District	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
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
2018	2 386 945	120 057	1 077 079	31 825	180 111	101 171	6 100	69 603	415 409	24 474
2019	2 470 519	123 042	1 148 814	34 926	176 878	91 205	4 695	68 649	420 908	26 159
2020	2 398 667	121 390	981 707	42 296	170 224	150 632	7 536	71 472	437 212	26 623
2021	2 874 213	133 270	1 232 034	53 062	180 093	275 393	10 460	70 859	499 358	28 196
2022	3 247 877	142 547	1 682 399	57 613	153 523	175 604	9 986	73 323	544 366	30 339
2023	3 456 158	152 507	1 834 559	61 853	164 255	197 336	8 068	69 629	572 342	38 836
New Taipei City	349 028	-	187 278	8 728	1 840	15 218	100	4 005	68 156	2 286
Taipei City	1 212 494	-	698 005	28 704	- 375	122 126	7 196	25	280 489	26 547
Taoyuan City	249 499	-	120 750	3 668	37 628	8 010	24	2 090	38 031	1 722
Taichung City	259 662	-	126 503	6 559	17 092	13 358	320	7 228	43 254	2 695
Tainan City	155 283	-	62 020	3 146	252	6 959	70	23 569	20 987	998
Kaohsiung City	296 170	-	127 399	4 308	29 474	11 661	263	2 348	78 670	2 076
Yilan County	18 119	-	4 912	565	710	1 073	-	339	4 276	171
Hsinchu County	103 292	-	72 011	592	6 725	1 866	31	22	11 608	288
Miaoli County	39 160	-	14 023	418	2 428	1 196	1	6 677	5 377	163
Changhua County	54 275	-	34 451	1 581	926	3 304	3	21	1 918	421
Nantou County	14 262	-	5 872	405	- 38	908	-	199	2 338	143
Yunlin County	59 158	-	15 984	988	13 063	1 783	-	38	20 236	177
Chiayi County	13 082	-	4 814	220	144	241	-	134	3 250	56
Pingtung County	29 762	-	7 874	346	2 304	1 353	2	3 082	5 927	190
Taitung County	4 100	-	1 181	91	- 33	287	-	2	968	41
Hualien County	11 627	-	2 588	145	774	570	0	404	3 647	78
Penghu County	1 855	-	1 047	27	- 20	95	0	1	81	0
Keelung City	117 613	-	35 640	279	51 529	881	1	16 208	2 426	87
Hsinchu City	296 863	-	306 688	744	- 141	3 942	50	1	- 22 425	491
Chiayi City	12 474	-	4 078	264	- 10	2 387	8	-	2 774	203
Kinmen County	5 453	-	1 189	73	- 16	116	-	3 150	324	2
Lienchiang County	419	-	250	1	- 1	0	-	89	29	0
Others	152 507	152 507	-	-	-	-	-	-	-	-

Source: Ministry of Finance

Table 91. Total net tax revenues (continued)

Million NT\$

Fiscal Year & District	Specifically selected goods and services tax	Land tax	House tax	Vehicle license tax	Deed tax	Stamp tax	Amusement tax	Special and provisional tax levies (1)	Education surtax	Health and welfare surcharge on tobacco
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
2018	2 474	182 437	78 588	64 830	13 366	12 147	1 778	1 785	- 0	28 186
2019	2 735	193 034	80 972	65 598	14 773	12 857	1 878	1 834	- 0	27 721
2020	2 654	204 742	79 315	66 259	16 147	13 725	1 707	2 210	- 0	29 438
2021	3 616	200 257	83 308	66 984	17 779	14 427	1 156	1 992	- 0	30 164
2022	3 896	187 367	85 419	68 017	15 481	15 722	1 628	1 297	- 0	29 688
2023	5 513	168 572	89 308	68 648	15 801	17 035	1 890	1 325	0	27 517
New Taipei City	0	32 210	14 287	9 483	3 251	1 692	355	-	-	2 425
Taipei City	5	43 674	16 848	7 321	1 631	6 662	184	-	-	-
Taoyuan City	136	17 309	9 755	7 333	1 998	1 421	282	81	-	983
Taichung City	2 528	15 382	10 952	9 618	2 474	1 723	194	-	-	2 474
Tainan City	27	10 843	6 507	5 630	1 138	731	129	-	0	13 274
Kaohsiung City	138	18 360	11 916	7 634	2 137	1 586	218	53	-	5
Yilan County	-	2 730	1 597	1 289	309	200	34	84	-	-
Hsinchu County	5	4 509	2 551	2 071	665	513	124	-	-	-
Miaoli County	0	2 722	1 612	1 810	246	196	33	3	-	2 416
Changhua County	6	4 044	3 067	4 033	309	551	61	-	-	-
Nantou County	2	1 392	1 018	1 623	142	120	55	226	-	-
Yunlin County	0	2 481	1 907	2 156	217	224	30	52	-	-
Chiayi County	0	1 430	1 072	1 539	114	103	16	5	-	-
Pingtung County	0	2 689	1 517	2 219	233	184	40	275	-	1 718
Taitung County	0	543	327	599	61	44	11	17	-	-
Hualien County	-	1 156	649	940	85	118	21	529	- 0	-
Penghu County	-	338	150	88	23	20	3	-	-	-
Keelung City	2 659	1 889	765	817	186	86	27	-	-	4 221
Hsinchu City	5	3 330	2 008	1 452	466	702	40	-	-	-
Chiayi City	0	1 219	701	791	102	128	32	-	-	-
Kinmen County	1	302	93	185	12	24	1	-	-	-
Lienchiang County	-	19	10	16	0	6	0	-	-	-
Others	-	-	-	-	-	-	-	-	-	-

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 92. Legislator election summary

Persons, Years

Term & Electoral type	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	49	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
The 10th term	23 598 776	19 221 861	2020.01.11	647	245	113	47	52	108	14 402 075	74.93
Electoral districts	23 027 824	18 806 913		410	127	73	25	51	70	14 129 999	75.13
New Taipei City	3 959 964	3 261 226		72	21	12	3	50	10	2 454 072	75.25
Taipei City	2 628 329	2 142 067		56	18	8	3	49	8	1 635 271	76.34
Taoyuan City	2 171 143	1 717 959		28	9	6	2	51	6	1 285 068	74.80
Taichung City	2 778 959	2 217 608		42	11	8	2	48	8	1 696 354	76.49
Tainan City	1 872 982	1 546 098		31	12	6	3	52	6	1 172 203	75.82
Kaohsiung City	2 737 901	2 266 452		48	20	8	3	50	8	1 757 859	77.56
Yilan County	436 820	362 603		6	1	1	-	57	1	268 198	73.96
Hsinchu County	541 557	420 355		13	2	2	-	56	2	317 215	75.46
Miaoli County	534 238	437 824		12	2	2	-	66	1	323 676	73.93
Changhua County	1 266 861	1 029 172		16	8	4	4	48	4	769 430	74.76
Nantou County	465 115	391 271		7	3	2	2	49	2	287 771	73.55
Yunlin County	679 019	562 012		8	4	2	1	58	2	403 119	71.73
Chiayi County	497 453	422 717		10	2	2	-	52	2	307 105	72.65
Pingtung County	759 384	640 643		15	6	2	-	54	2	480 522	75.01
Taitung County	138 222	117 051		4	-	1	-	52	1	79 208	67.67
Hualien County	233 092	197 162		6	1	1	-	57	1	140 751	71.39
Penghu County	104 625	87 287		3	-	1	-	53	1	51 013	58.44
Keelung City	359 472	303 637		4	1	1	-	46	1	223 470	73.60
Hsinchu City	444 189	340 854		6	2	1	-	50	1	261 478	76.71
Chiayi City	266 616	213 240		8	2	1	1	54	1	162 257	76.09
Kinmen County	139 018	119 092		10	2	1	1	46	1	47 890	40.21
Lienchiang County	12 865	10 583		5	-	1	-	67	1	6 069	57.35
Electoral aborigines	570 952	414 948		21	9	6	3	57	5	272 076	65.57
Lowland areas	267 501	199 833		10	5	3	1	58	3	124 504	62.30
Highland areas	303 451	215 115		11	4	3	2	55	2	147 572	68.60
Legislator-at-large	23 598 776	19 312 105		216	109	34	19	54	33	14 456 293	74.86

Source: Central Election Commission

Table 93. Number of all civil servants

I . By agency type

Persons

End of Year	Grand total	Administrative agency									
		Total	Central government	Local county (city)	New Taipei City	Taipei City	Taoyuan City	Taichung City	Tainan City	Kaohsiung City	
1971	302 019	111 760	25 862	74 270	-	10 966	-	-	-	-	
1981	442 991	152 527	40 043	87 931	-	17 281	-	-	-	6 464	
1991	574 658	213 897	77 911	100 412	-	24 593	-	-	-	10 181	
2001	395 523	217 211	91 806	93 820	-	21 546	-	-	-	9 048	
2011	343 323	227 071	92 518	56 525	16 424	20 466	-	13 285	10 323	16 346	
2014	347 816	233 951	94 999	48 508	18 509	20 519	8 888	14 121	10 462	16 727	
2015	347 552	234 517	94 923	48 597	18 508	20 414	9 585	14 290	10 499	16 420	
2016	347 572	235 591	95 059	48 728	18 473	20 483	10 101	14 309	10 546	16 607	
2017	349 676	237 834	94 498	49 691	18 747	20 856	10 340	14 669	10 792	16 926	
2018	356 878	248 805	102 014	51 054	18 800	21 296	10 705	15 187	11 052	17 315	
2019	361 421	253 387	103 674	51 783	19 161	21 538	11 498	15 593	11 154	17 550	
2020	366 494	257 509	106 364	52 047	19 321	21 744	12 112	15 733	11 191	17 518	
2021	363 197	255 058	105 532	51 729	18 814	21 131	12 218	15 661	11 092	17 392	
2022	364 654	255 903	106 213	51 877	19 014	21 016	12 233	15 638	11 128	17 299	
2023	365 503	256 447	106 731	51 846	18 910	21 051	12 243	15 675	11 220	17 254	
End of Year	Public enterprise organization										
	Kinmen & Lienchiang County	Total	Central government	Local county (city)	New Taipei City	Taipei City	Taoyuan City	Taichung City	Tainan City	Kaohsiung City	Kinmen & Lienchiang County
1971	662	71 959	35 432	34 698	-	1 689	-	-	-	-	140
1981	808	134 917	66 685	65 187	-	2 705	-	-	-	165	175
1991	800	170 841	90 311	76 144	-	3 412	-	-	-	801	173
2001	991	124 581	122 137	113	-	2 041	-	-	-	124	166
2011	1 184	71 035	68 243	80	-	2 528	-	-	-	88	96
2014	1 218	66 576	65 767	65	-	650	-	-	-	9	85
2015	1 281	65 814	64 973	64	-	679	-	-	-	9	89
2016	1 285	64 972	64 106	64	-	709	-	-	-	8	85
2017	1 315	64 756	63 907	66	-	697	-	-	-	8	78
2018	1 382	59 779	58 917	55	-	715	-	-	-	9	83
2019	1 436	60 270	59 396	60	-	724	-	-	-	9	81
2020	1 479	60 642	59 758	58	-	736	-	-	-	9	81
2021	1 489	59 678	58 796	58	-	728	-	-	-	9	87
2022	1 485	60 160	59 270	55	-	743	-	-	-	10	82
2023	1 517	60 380	59 493	59	-	738	-	-	-	10	80

Source: Ministry Of Civil Service

Table 93. Number of all civil servants (continued)

I . By agency type

Persons

End of Year	Hygiene & medical service organization									
	Total	Central government	Local county (city)	New Taipei City	Taipei City	Taoyuan City	Taichung City	Tainan City	Kaohsiung City	Kinmen & Lienchiang County
1971	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	-
2001	27 794	21 890	400	-	4 251	-	-	-	1 190	63
2011	19 723	16 815	52	205	1 989	-	-	-	637	25
2014	20 289	17 770	57	220	1 658	-	-	-	552	32
2015	20 081	17 657	54	228	1 578	-	-	-	526	38
2016	19 852	17 515	54	230	1 507	-	-	-	505	41
2017	19 732	17 492	48	227	1 421	-	-	-	503	41
2018	19 700	17 532	46	237	1 353	-	-	-	492	40
2019	19 731	17 619	44	235	1 288	-	-	-	505	40
2020	19 699	17 616	45	250	1 222	-	-	-	527	39
2021	19 732	17 682	46	253	1 171	-	-	-	540	40
2022	19 859	17 837	44	271	1 126	-	-	-	541	40
2023	19 949	17 987	43	280	1 068	-	-	-	534	37
End of Year	Public school (staff)									
	Total	Central government	Local county (city)	New Taipei City	Taipei City	Taoyuan City	Taichung City	Tainan City	Kaohsiung City	Kinmen & Lienchiang County
1971	118 300	6 243	95 834	-	15 261	-	-	-	-	962
1981	155 547	12 329	112 504	-	20 032	-	-	-	9 550	1 132
1991	189 920	24 548	126 222	-	25 739	-	-	-	12 611	800
2001	25 937	10 756	10 463	-	3 185	-	-	-	1 427	106
2011	25 494	9 538	6 710	1 659	2 957	-	1 456	1 066	2 002	106
2014	27 000	9 496	5 929	2 104	2 998	1 251	1 733	1 236	2 134	119
2015	27 140	9 501	5 915	2 154	3 001	1 279	1 773	1 219	2 176	122
2016	27 157	9 462	5 911	2 146	2 962	1 358	1 760	1 228	2 198	132
2017	27 354	9 055	5 917	2 157	2 975	1 387	2 264	1 230	2 233	136
2018	28 594	9 758	5 979	2 166	3 099	1 667	2 272	1 233	2 271	149
2019	28 033	9 195	5 955	2 171	3 088	1 674	2 277	1 242	2 279	152
2020	28 644	9 707	6 003	2 166	3 111	1 714	2 281	1 244	2 264	154
2021	28 729	9 792	6 010	2 154	3 092	1 745	2 268	1 247	2 264	157
2022	28 732	9 798	6 026	2 141	3 068	1 759	2 276	1 247	2 262	155
2023	28 727	9 736	6 039	2 156	3 081	1 763	2 301	1 248	2 248	155

Table 93. Number of all civil servants (continued)

II. By educational attainment

Persons

End of Year & Agency & Sex	Grand total	Graduate school			University	College	High (vocational) school	Junior high school & 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
2011	343 323	56 580	3 371	53 209	131 514	100 455	52 014	2 760
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
2018	356 878	86 543	4 985	81 558	162 110	78 906	28 299	1 020
2019	361 421	89 452	5 179	84 273	167 444	77 071	26 530	924
2020	366 494	92 909	5 326	87 583	172 585	75 183	24 971	846
2021	363 197	94 686	5 438	89 248	172 981	71 405	23 380	745
2022	364 654	96 820	5 510	91 310	177 243	68 418	21 512	661
2023	365 503	98 312	5 596	92 716	181 029	65 602	19 947	613
By agency level								
Central government	193 947	63 894	4 676	59 218	97 601	22 410	9 561	481
Local county (city)	57 987	9 949	228	9 721	28 303	15 610	4 064	61
New Taipei City	21 346	4 061	95	3 966	10 027	6 076	1 172	10
Taipei City	25 938	5 906	205	5 701	12 646	6 034	1 334	18
Taoyuan City	14 006	2 779	73	2 706	6 822	3 655	741	9
Taichung City	17 976	4 076	99	3 977	8 797	4 129	958	16
Tainan City	12 468	2 707	85	2 622	6 147	2 906	704	4
Kaohsiung City	20 046	4 435	120	4 315	9 873	4 429	1 300	9
Kinmen & Lienchiang County	1 789	505	15	490	813	353	113	5
By sex								
Male	208 202	56 305	4 070	52 235	87 711	48 008	15 654	524
Female	157 301	42 007	1 526	40 481	93 318	17 594	4 293	89

Table 93. Number of all civil servants (continued)

III. By age

Persons

End of Year & Agency	Grand Total	Average age (Years)	18-24	25-29	30-34	35-39
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
2011	343 323	43.49	5 291	25 978	36 391	48 805
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
2018	356 878	43.18	12 444	28 711	43 625	52 424
2019	361 421	43.13	12 931	31 897	42 097	54 156
2020	366 494	43.18	13 224	34 202	41 247	54 936
2021	363 197	43.59	9 778	34 274	40 320	52 655
2022	364 654	43.67	9 189	35 828	40 551	50 315
2023	365 503	43.80	8 867	35 160	41 409	49 089
Central government agency	193 947	44.83	3 128	15 741	20 614	25 654
Local county (city) agency	57 987	43.33	2 037	6 053	6 435	7 449
New Taipei City agency	21 346	39.88	1 413	3 460	2 883	2 960
Taipei City agency	25 938	42.56	759	3 404	3 235	3 421
Taoyuan City agency	14 006	40.55	573	2 144	2 019	2 063
Taichung City agency	17 976	43.00	267	1 575	2 418	2 857
Tainan City agency	12 468	43.53	306	1 111	1 365	1 797
Kaohsiung City agency	20 046	44.15	330	1 520	2 269	2 660
Kinmen & Lienchiang County agency	1 789	44.43	54	152	171	228
End of Year & Agency	40-44	45-49	50-54	55-59	60-64	65 Years 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
2011	65 672	64 117	49 636	30 728	15 875	830
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
2018	47 143	62 909	54 848	34 202	19 374	1 198
2019	46 758	59 072	57 891	35 363	20 009	1 247
2020	47 784	55 295	59 492	37 652	21 175	1 487
2021	49 186	52 877	60 408	39 982	22 089	1 628
2022	52 845	49 760	60 094	41 290	22 742	2 040
2023	55 070	47 819	58 204	43 406	23 968	2 511
Central government agency	30 046	26 044	29 265	25 165	16 291	1 999
Local county (city) agency	8 146	7 240	10 694	6 704	3 046	183
New Taipei City agency	3 149	2 308	2 842	1 654	634	43
Taipei City agency	3 377	3 401	4 024	2 906	1 309	102
Taoyuan City agency	2 064	1 653	1 922	1 123	421	24
Taichung City agency	2 872	2 292	3 121	1 821	715	38
Tainan City agency	1 881	1 734	2 339	1 394	506	35
Kaohsiung City agency	3 259	2 874	3 731	2 433	898	72
Kinmen & Lienchiang County agency	276	273	266	206	148	15

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 Ministry of Agriculture. 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 Administration 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 Administration.

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 Administration 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 11th revision of Statistical Classification of Industries 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. Most of the educational statistics are obtained from the *Education Statistics*, 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 National Science and Technology Council. 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 National Communications Commission while that on newspapers and magazines, from official statistics produced by the Ministry of Culture.

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.

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.

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 Ministry of Agriculture.

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. Most of the data on environment come from the official statistics contained in the *Yearbook of Environmental Protection Statistics* published by the Ministry of Environment, and the other information on Carbon dioxide emissions comes from the Energy Administration, Ministry of Economic Affairs.

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(SO₂), nitrogen dioxide(NO₂), carbon monoxide(CO), and ozone(O₃)) is monitored in the air by the monitoring stations 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 ₁₀ 24-hr. Average	SO ₂ 24-hr. Average	CO 24-hr. Maximum 8-hour average	O ₃ 24-hr. Maximum value of the hour	NO ₂ 24-hr. Maximum value of the hour
	µg/m ³	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(O₃), suspended fine particles(PM_{2.5}), suspended particles(PM₁₀), carbon monoxide(CO), sulfur dioxide(SO₂) and II Nitric oxide(NO₂) 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 ₃ (ppm) 8hr	O ₃ (ppm) 1-hr ⁽¹⁾	PM _{2.5} (μg/m ³) 24-hr	PM ₁₀ (μg/m ³) 24-hr	CO (ppm) 8-hr	SO ₂ (ppb) 1-hr	NO ₂ (ppb) 1-hr
Good 0~50	0.000 - 0.054	-	0.0 - 15.4	0 - 54	0 - 4.4	0 - 35	0 - 53
Moderate 51~100	0.055 - 0.070	-	15.5 - 35.4	55 - 125	4.5 - 9.4	36 - 75	54 - 100
Unhealthy for Sensitive Groups 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 151~200	0.086 - 0.105	0.165 - 0.204	54.5 - 150.4	255 - 354	12.5 - 15.4	186 - 304 ⁽³⁾	361 - 649
Very Unhealthy 201~300	0.106 - 0.200	0.205 - 0.404	150.5 - 250.4	355 - 424	15.5 - 30.4	305 - 604 ⁽³⁾	650 - 1249
Hazardous 301~400	⁽²⁾	0.405 - 0.504	250.5 - 350.4	425 - 504	30.5 - 40.4	605 - 804 ⁽³⁾	1250 - 1649
Hazardous 401~500	⁽²⁾	0.505 - 0.604	350.5 - 500.4	505 - 604	40.5 - 50.4	805 - 1004 ⁽³⁾	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 O₃ values do not define higher AQI values (≥ 301). AQI values of 301 or higher are calculated with 1-hour O₃ concentrations.

(3) 1-hour SO₂ values do not define higher AQI values (≥ 200). AQI values of 200 or greater are calculated with 24-hour SO₂ 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 3 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.

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 Public Finance Statistics*, published by the Department of Statistics, Ministry of Finance. All other information comes from the official statistics of 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.

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 Department of Investment Review, 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 tenth edition of “Standard Industrial Classification of the Republic of China”. Data have been revised and released every 5 years, for years ending in “4” and “9”.

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. 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 the Ministry of Agriculture.

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 Ministry 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 Energy Administration, Ministry of Economic Affairs.

The industrial production, shipment and inventory survey is conducted once a month, and its scope covers the four industrial sectors in Taiwan-Fukien area, i.e. mining & quarrying, manufacturing, electricity & gas supply, and water supply. Objects of the survey are enterprises selected from the Factory Registration Update Survey. Different sampling sizes are applied to different industries. Mining & quarrying, electricity & gas supply, water supply, 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 Geological Survey and Mining Management Agency, 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 Administration. 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 Administration, M.O.T.C. Besides, data of communications except for the rate of individual internet usage obtained from Ministry of Digital Affairs 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, local branches of foreign and Mainland Chinese banks, credit cooperative associations, Credit Departments of Farmers' and Fishermen's Associations, Chungghwa Post Co., and money market mutual funds (from October 2004 to April 2017). 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 (including passbook deposits, general time deposits and negotiable certificates of deposit (NCDs)) 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; except as listed above, 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	https://ws.moi.gov.tw/001/Upload/400/refile/0/4413/4950fd32-36a4-4c99-af23-e6a046f2147f/m1-06.ods	
Competency exam results	Ministry of Education	https://stats.moe.gov.tw/files/ebook/International_Comparison/2023/i2023_ODF.htm	Report name and location-International Comparison of Education Statistical Indicators 2023 Edition , Table 3-9 、 3-10 、 3-11 、 3-12 、 3-13 、 3-15
Immunization rate	Centers for Disease Control	https://data.cdc.gov.tw/en/dataset/	Groups(Immunization)
Diseases prevalence/incidence (see notes)	Ministry of Health and Welfare	https://www.mohw.gov.tw/np-135-2.html	Report name and location- Taiwan Supplement (Malaria incidenceh 、 TB incidenceg)
Stunting, wasting, or obesity rate	Ministry of Health and Welfare	https://www.mohw.gov.tw/np-135-2.html	Report name and location- Taiwan Supplement (Prevalence of stunting in children under 5 、 Prevalence of wasting in children under 5 、 Prevalence of overweight in children under 5)
Maternal mortality ratio	Ministry of Health and Welfare	https://www.mohw.gov.tw/np-128-2.html	Report name and location- 2023 Cause of Death Statistics Table 11 No. of Deaths and Crude Death Rates for Neonatal, Infant and Maternal
Infant mortality rate	Ministry of Health and Welfare	https://www.mohw.gov.tw/np-128-2.html	Report name and location- 2023 Cause of Death Statistics Table 11 No. of Deaths and Crude Death Rates for Neonatal, Infant and Maternal
Under-5 mortality rate	Ministry of Health and Welfare	https://www.mohw.gov.tw/np-128-2.html	Report name and location- 2023 Cause of Death Statistics Table 34 No. of Deaths and Crude Death Rates for Leading Causes of Death by Age Group and Gender 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	https://www.mohw.gov.tw/lp-137-2.html	Report name and location- 2023 Taiwan Health and Welfare Report (Ch11. Gender-Based Violence Prevention and Protective Services)
Data on child marriages	Ministry of the Interior	https://ws.moi.gov.tw/001/Upload/400/refile/0/4405/48349492-6f8c-453b-a9d1-4a8f0593b979/y02-03.ods	
Prison population/count	Ministry of Justice	https://www.rjtd.moj.gov.tw/RJSDWeb/english/common/WebList2.aspx?menu=STA_CORRECTIVE	Number of Prisoners by Type of Offense; Number of Prisoners by Type of Penalty