



ISSN 0256-7857

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

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# **2012**

DIRECTORATE-GENERAL OF BUDGET, ACCOUNTING AND STATISTICS  
EXECUTIVE YUAN, REPUBLIC OF CHINA  
OCTOBER 2013

**STATISTICAL YEARBOOK OF THE REPUBLIC OF CHINA  
2012**

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Executive Yuan, Republic of China  
25, Guang-ming Rd., Nantou City, Nantou County 54071, Taiwan, R.O.C.  
Tel.: 886 - 49 - 2394031  
<http://www.stat.gov.tw>  
<http://www.dgbas.gov.tw>

**Printed on:** October 2013

**Books No.:** HA4631/C441s

**E-book:** <http://eng.dgbas.gov.tw/lp.asp?CtNode=2351&CtUnit=1072&BaseDSD=36>

**Price:** NT\$ 200

**Book Agency:** The Chinese Statistical Association  
2, Guang-jhou Street, Taipei City 10065, Taiwan, R.O.C.  
Tel.: 886 - 2 - 23803656  
<http://www.stat.org.tw/>  
Postal Giro No.: 0004130-8

Government Bookstore  
209, Song-jiang Rd., Taipei City, Taiwan, R.O.C.  
Tel.: 886 - 2 - 25180207  
<http://www.govbooks.com.tw>

Wu Nan Bookstores  
6, Jhong-shan Rd., Taichung, Taiwan, R.O.C.  
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<http://www.wunanbooks.com.tw>

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GPN : 2006400002

ISSN : 0256-7857

## INTRODUCTION

This yearbook mainly uses statistical tables to report the R.O.C. social-economic development in Taiwan-Fukien Area<sup>1</sup>.

1. To facilitate international comparison, a cross-reference table of the correspondent statistical table numbers between the 56<sup>st</sup> issue of the United Nations' *Statistical Yearbook* and the R.O.C. 2012 *Statistical Yearbook* is placed before the list of contents in this publication.
2. The introduction to compilation methodology for each section of statistical tables is condensed to a maximum of two pages and put at the start of the related section.

This yearbook divided into 18 sections, and 167 tables. The table numbers contained in each section are arranged as follows :

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<sup>1</sup>Taiwan-Fukien Area referred to Taiwan area, Fukien Province's Kinmen county and Lienchiang county.

**Corresponding Table Numbers between the 56<sup>st</sup> issue of the United Nations' Statistical Yearbook and the 2012 Statistical Yearbook of the Republic of China**

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4	not applicable	36	111
5	121	37	not applicable
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25	135	57	130
26	24	58	not applicable
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28	158, 159	60	133
29	110	61	154
30	not applicable	62	not applicable
31	111	63	not applicable
32	not applicable	64	not applicable

## EXPLANATION OF SYMBOLS

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

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

Thousands and millions are separated by a space.

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

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

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

Taiwan proper is part of the arc that lies closest to the continent and marks the edge of the Asiatic continental shelf. Measuring nearly 400 kilometers from north to south and around 145 kilometers from east to west at its widest, it constitutes 99 percent of the area under the nation's jurisdiction. 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, nonregistered land, river alluvial land, tidal land, slope land, and virgin field. Before 1995, data of forest land area is obtained from an aerial survey from 1973 to 1977 while data of 1995 was from survey from 1984 to 1993.

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

Table 1. Area, cultivated land area and forest land area

km<sup>2</sup>

Year	Area			Cultivated <sup>1,2</sup> land area	Forest land area <sup>1</sup>
	Total	Land area	Reclamation		
1983	36 179.12	36 140.27	38.85	8 943.26	18 651.41
1984	36 179.12	36 140.27	38.85	8 916.55	18 651.41
1985	36 179.12	36 140.27	38.85	8 876.60	18 651.41
1986	36 181.92	36 143.07	38.85	8 874.51	18 651.41
1987	36 181.92	36 143.07	38.85	8 862.81	18 651.41
1988	36 181.92	36 143.07	38.85	8 949.74	18 651.41
1989	36 181.87	36 143.02	38.85	8 946.01	18 651.41
1990	36 181.87	36 143.02	38.85	8 900.90	18 651.41
1991	36 181.87	36 143.02	38.85	8 844.43	18 469.70
1992	36 181.87	36 143.02	38.85	8 759.51	18 469.70
1993	36 181.87	36 143.02	38.85	8 745.35	18 662.08
1994	36 181.87	36 143.02	38.85	8 723.07	18 662.08
1995	36 181.87	36 143.02	38.85	8 733.78	21 023.12
1996	36 181.87	36 143.02	38.85	8 721.59	21 017.19
1997	36 188.04	36 149.19	38.85	8 648.17	21 017.19
1998	36 188.04	36 149.19	38.85	8 587.56	21 017.19
1999	36 188.04	36 149.19	38.85	8 550.73	21 017.19
2000	36 188.04	36 149.19	38.85	8 514.95	21 017.19
2001	36 188.04	36 149.19	38.85	8 487.43	21 017.19
2002	36 188.04	36 149.19	38.85	8 473.34	21 017.19
2003	36 188.04	36 149.19	38.85	8 440.97	21 017.19
2004	36 188.04	36 149.19	38.85	8 355.07	21 017.19
2005	36 188.04	36 149.19	38.85	8 331.76	21 017.19
2006	36 188.04	36 149.19	38.85	8 295.27	21 017.19
2007	36 189.51	36 150.66	38.85	8 259.47	21 017.19
2008	36 189.51	36 150.66	38.85	8 223.64	21 017.19
2009	36 191.47	36 152.62	38.85	8 154.62	21 017.19
2010	36 191.47	36 152.62	38.85	8 131.25	21 017.19
2011	36 192.82	36 153.97	38.85	8 082.94	21 017.19
2012	36 192.82	36 152.62	40.20	8 028.76	21 017.19

Notes : <sup>1</sup> Data do not include Kinmen County and Lienchiang County<sup>2</sup> Cultivated land refers to land under temporary and permanent crops, and can be classified into paddy field, and upland field of registered land, nonregistered land, river alluvial land, tidal land, slope land, and virgin field.

Table 2. Average temperature

°C

Year	Keelung	Danshuei	Taipei	Hsinchu	Yilan	Taichung	Hualien	Sun Moon Lake	Alishan	Kao-hsiung	Heng-chun
1983	22.5	22.7	22.7	22.5	22.5	22.9	23.0	19.1	10.9	24.7	24.9
1984	22.0	22.0	22.0	21.9	21.8	22.5	22.6	19.1	10.7	24.3	24.5
1985	22.3	22.0	22.6	22.0	22.1	22.6	23.1	19.3	10.8	24.2	24.7
1986	22.2	21.6	22.4	22.1	21.6	22.7	22.8	18.9	10.6	24.4	24.2
1987	22.6	21.9	23.0	22.5	22.4	23.1	23.6	19.6	11.3	25.1	25.3
1988	22.6	21.7	23.1	22.3	22.1	22.9	23.4	20.0	11.2	24.9	25.2
1989	22.3	21.9	23.1	22.2	22.0	22.9	22.9	19.1	10.4	24.9	24.8
1990	22.2	22.6	23.5	22.7	22.6	23.2	23.3	19.5	10.9	25.1	25.1
1991	22.6	22.3	23.5	22.5	22.3	23.5	23.5	19.4	11.1	25.3	25.1
1992	22.2	21.4	22.3	21.6	21.9	22.9	23.1	18.7	10.5	24.9	25.0
1993	22.7	22.1	22.7	22.2	22.3	23.4	23.4	19.2	10.9	25.1	25.2
1994	23.0	22.3	23.2	22.5	22.8	23.5	23.9	19.3	11.3	25.2	25.4
1995	22.2	21.6	22.3	21.9	22.0	22.9	23.1	18.8	10.9	24.6	24.9
1996	22.4	21.6	22.5	22.2	22.2	23.2	23.4	19.1	11.1	24.8	25.0
1997	22.5	21.8	22.5	22.1	22.4	23.4	23.3	19.0	10.9	25.0	25.0
1998	23.6	22.5	23.6	23.4	23.4	24.3	24.3	19.9	12.0	25.8	26.0
1999	22.9	22.3	23.0	22.5	22.7	23.7	23.6	19.3	11.4	25.2	25.1
2000	22.8	22.4	23.2	22.6	22.9	23.7	23.7	19.1	11.3	25.1	25.3
2001	23.0	22.3	23.3	22.7	22.8	23.6	23.7	19.2	11.5	25.1	25.2
2002	23.3	22.7	23.8	23.2	23.1	24.1	23.9	19.2	11.4	25.6	25.4
2003	23.1	22.4	23.5	23.0	22.7	23.9	23.6	19.3	11.1	25.4	25.3
2004	22.6	22.0	23.1	22.6	22.5	23.4	23.3	19.1	11.0	25.2	25.1
2005	22.3	22.0	23.3	22.5	22.6	23.3	23.4	19.0	11.6	25.0	25.0
2006	22.9	22.5	23.8	22.9	23.2	23.8	23.7	19.5	11.8	25.7	25.9
2007	22.9	22.5	23.6	23.1	23.2	23.8	23.9	19.5	11.7	25.5	25.8
2008	22.7	22.3	23.2	22.8	23.0	23.5	23.6	19.3	11.2	25.1	25.4
2009	22.7	22.7	23.4	23.1	22.9	23.8	23.8	19.3	11.6	25.4	25.4
2010	22.6	22.3	23.3	22.7	22.7	23.7	23.7	19.2	11.8	25.4	25.4
2011 r	22.2	21.7	22.7	22.3	22.2	23.5	23.1	18.9	11.0	24.9	24.7
2012	22.6	22.1	23.2	22.7	22.6	23.6	23.3	19.2	11.5	25.4	25.5

Table 3. Average relative humidity

%

Year	Keelung	Danshuei	Taipei	Hsinchu	Yilan	Taichung	Hualien	Sun Moon Lake	Alishan	Kao-hsiung	Heng-chun
1983	83	80	80	81	82	77	79	83	87	77	78
1984	85	82	82	82	86	77	79	83	89	77	77
1985	86	82	82	83	87	78	79	83	87	78	77
1986	79	82	77	79	86	77	78	84	85	77	76
1987	80	84	77	80	85	78	76	82	82	78	74
1988	77	83	77	81	84	78	78	82	83	77	75
1989	77	83	78	81	84	76	80	83	82	75	75
1990	80	82	74	81	84	76	81	84	85	76	78
1991	80	80	73	80	84	75	78	83	85	73	76
1992	78	82	77	80	84	76	76	82	87	74	75
1993	76	78	76	79	83	75	75	80	84	73	77
1994	75	79	75	77	81	75	75	81	87	75	77
1995	76	80	74	77	83	74	78	79	88	75	76
1996	77	78	75	77	83	75	79	79	87	76	76
1997	78	80	78	80	82	76	81	83	86	78	77
1998	77	82	78	80	84	76	82	84	84	79	75
1999	76	78	77	77	85	75	80	82	83	78	75
2000	79	81	79	80	84	78	81	82	87	78	76
2001	76	79	77	78	82	75	79	81	87	76	75
2002	72	78	76	77	80	73	77	82	87	75	72
2003	74	77	76	77	80	72	77	81	85	74	72
2004	74	80	75	78	77	73	77	82	83	73	71
2005	75	80	76	76	78	77	77	84	91	76	74
2006	77	81	76	76	79	77	76	83	92	76	73
2007	76	79	76	75	80	74	77	81	89	75	72
2008	76	78	75	75	76	75	78	80	89	75	74
2009	77	75	74	73	75	72	75	83	87	75	74
2010	78	79	76	77	78	75	74	82	85	75	76
2011 r	77	79	76	80	79	72	75	83	88	75	76
2012	78	81	75	80	81	73	76	84	88	76	77

**Table 4. Precipitation at station**

mm

Year	Keelung	Danshuei	Taipei	Hsinchu	Yilan	Taichung	Hualien	Sun Moon Lake	Alishan	Kao-hsiung	Heng-chun
1983	3 464	1 988	2 252	2 345	2 729	1 743	1 556	2 500	4 071	2 231	1 772
1984	4 836	2 621	2 711	1 962	3 238	1 548	2 246	2 198	3 166	1 629	2 194
1985	4 323	2 319	2 488	1 976	3 280	2 074	2 496	2 823	4 133	1 996	2 418
1986	4 587	2 546	2 606	2 226	2 914	1 529	2 396	2 507	3 476	1 622	1 707
1987	4 260	2 270	2 219	1 488	2 394	1 394	2 328	2 432	3 588	1 554	2 164
1988	4 556	2 252	2 817	1 422	4 279	1 212	2 997	2 025	3 667	1 936	2 115
1989	3 598	2 088	2 269	1 613	2 885	1 639	2 230	2 348	3 655	1 383	1 960
1990	4 452	2 823	2 913	2 223	2 942	2 043	3 003	2 973	5 019	1 834	2 127
1991	3 303	1 535	2 216	1 207	2 546	979	1 795	1 543	3 094	1 810	2 450
1992	3 668	2 585	2 392	1 785	2 731	1 621	2 523	2 435	4 628	1 974	1 697
1993	3 054	1 487	1 741	1 353	1 938	1 111	989	1 852	2 642	1 084	994
1994	3 459	2 033	2 044	1 837	3 105	2 028	1 998	2 595	4 038	2 470	1 651
1995	2 882	1 669	1 717	1 211	2 291	1 376	2 182	2 240	2 673	1 134	2 099
1996	3 932	1 899	2 253	1 605	2 964	1 616	2 708	2 444	4 647	1 107	1 401
1997	3 203	2 079	2 595	1 960	1 836	1 976	1 506	2 438	3 611	2 118	1 866
1998	5 438	2 865	4 405	2 088	4 945	2 177	3 558	3 063	4 364	2 434	2 650
1999	2 747	1 373	1 958	1 157	2 197	1 390	1 677	2 334	3 075	2 764	3 100
2000	5 796	3 008	3 226	1 937	4 844	2 045	3 062	2 357	4 057	1 991	2 845
2001	3 642	2 679	2 862	2 293	3 522	1 981	2 569	2 206	4 017	2 557	2 495
2002	2 607	1 178	1 346	1 091	1 651	1 316	1 062	1 456	2 197	1 038	1 614
2003	2 156	968	1 193	878	1 413	931	1 349	1 479	2 299	1 326	1 882
2004	3 886	2 302	2 830	2 262	2 557	2 261	1 983	2 405	4 192	1 440	1 550
2005	4 241	2 778	3 028	2 384	3 330	2 575	2 777	3 005	5 801	2 821	2 339
2006	3 724	2 591	2 288	2 128	2 730	2 172	1 901	3 229	5 331	2 046	1 690
2007	4 064	2 673	3 016	1 964	3 115	2 433	2 526	2 822	5 043	2 194	2 140
2008	3 674	2 576	2 969	2 167	2 846	2 478	2 312	3 851	5 887	2 591	2 005
2009	3 655	1 322	1 669	1 120	2 930	1 979	2 536	1 798	5 222	1 756	1 854
2010	3 304	2 070	2 278	1 605	2 542	2 054	1 769	1 932	3 655	2 161	2 421
2011	3 727	1 714	1 759	1 223	2 782	1 205	2 200	1 725	3 656	1 797	2 597
2012	3 909	2 999	2 910	2 741	2 916	2 203	2 303	3 091	5 166	2 197	2 942

Table 5. Number of days with precipitation

Days

Year	Keelung	Danshuei	Taipei	Hsinchu	Yilan	Taichung	Hualien	Sun Moon Lake	Alishan	Kao-hsiung	Heng-chun
1983	218	178	183	146	204	131	171	183	174	114	147
1984	236	198	213	160	223	120	176	174	174	90	128
1985	222	179	181	145	213	123	188	189	197	99	146
1986	221	153	164	128	212	110	178	166	169	93	130
1987	204	146	155	122	190	111	154	151	157	79	108
1988	220	171	170	135	219	124	160	179	169	88	121
1989	203	166	164	117	199	107	166	147	160	88	126
1990	218	156	159	132	228	106	179	154	157	90	127
1991	200	152	157	117	186	93	145	141	155	88	108
1992	194	177	184	132	200	133	162	177	179	98	118
1993	187	160	165	106	198	96	142	140	146	76	81
1994	181	157	150	113	200	122	138	156	168	90	101
1995	187	161	157	111	183	105	137	140	149	78	98
1996	191	163	169	112	187	110	150	150	147	85	102
1997	184	162	157	114	188	115	132	160	161	95	110
1998	212	186	201	136	196	134	148	178	176	114	122
1999	206	157	163	104	216	119	146	164	163	105	130
2000	216	179	188	128	230	119	164	161	169	95	123
2001	204	170	174	119	189	121	152	151	157	91	104
2002	161	136	136	99	159	101	126	130	134	71	91
2003	150	123	127	88	145	74	110	122	135	66	92
2004	168	146	155	115	169	94	122	129	131	69	82
2005	195	161	172	131	188	127	147	171	163	96	104
2006	195	154	167	121	204	132	161	169	174	81	97
2007	195	162	169	119	204	128	157	168	174	97	113
2008	187	144	168	122	194	126	185	160	177	96	105
2009	193	145	152	103	168	86	143	111	134	72	109
2010	181	153	168	130	187	131	161	151	160	82	117
2011	216	158	180	132	192	109	144	133	174	85	110
2012	229	169	179	157	205	141	183	160	174	102	123



Table 6. Duration of sunshine

Hours

Year	Keelung	Danshuei	Taipei	Hsinchu	Yilan	Taichung	Hualien	Sun Moon Lake	Alishan	Kao-hsiung	Heng-chun
1983	1 269	1 497	1 356	1 810	1 431	2 012	1 579	1 632	1 617	2 104	2 378
1984	1 206	1 308	1 253	1 587	1 321	2 090	1 430	1 683	1 629	2 323	2 308
1985	1 154	1 378	1 292	1 634	1 325	2 080	1 428	1 648	1 497	2 429	2 198
1986	1 288	1 596	1 425	1 869	1 299	2 122	1 413	1 620	1 676	2 276	2 294
1987	1 323	1 679	1 387	1 728	1 388	2 173	1 467	1 739	1 744	2 237	2 372
1988	1 174	1 522	1 311	1 684	1 268	2 033	1 274	1 676	1 809	2 220	2 361
1989	1 175	1 368	1 353	1 686	1 292	2 014	1 410	1 683	1 747	2 133	2 251
1990	1 119	1 371	1 387	1 636	1 176	1 956	1 294	1 574	1 562	1 870	2 076
1991	1 177	1 373	1 343	1 613	1 337	2 066	1 465	1 615	1 602	2 124	2 236
1992	1 007	1 302	1 311	1 601	1 234	1 771	1 406	1 450	1 428	1 939	2 225
1993	1 188	1 598	1 463	1 886	1 436	2 106	1 500	1 869	1 624	2 201	2 259
1994	1 300	1 633	1 452	1 875	1 382	2 069	1 534	1 597	1 521	2 049	1 816
1995	1 157	1 528	1 365	2 003	1 255	2 025	1 464	1 682	1 577	2 139	1 978
1996	1 344	1 672	1 559	2 099	1 418	2 103	1 562	1 871	1 620	2 219	2 387
1997	1 267	1 534	1 362	1 720	1 387	2 006	1 388	1 657	1 477	1 997	2 088
1998	1 117	1 346	1 187	1 648	1 345	1 882	1 472	1 594	1 471	2 075	2 254
1999	1 100	1 454	1 139	1 697	1 356	1 942	1 430	1 519	1 396	1 939	2 110
2000	1 204	1 438	962	1 682	1 354	2 032	1 456	1 535	1 436	1 949	2 029
2001	1 398	1 597	1 497	1 848	1 469	2 169	1 579	1 543	1 586	2 232	2 266
2002	1 573	1 744	1 624	1 828	1 515	2 255	1 586	1 598	1 519	2 489	2 350
2003	1 549	1 800	1 658	2 110	1 519	2 346	1 677	1 797	1 577	2 515	2 395
2004	1 553	1 786	1 614	2 016	1 483	2 250	1 803	1 799	1 638	2 574	2 392
2005	1 349	1 483	1 397	1 682	1 431	1 805	1 544	1 546	1 491	2 329	2 174
2006	1 312	1 514	1 382	1 822	1 441	1 892	1 483	1 540	1 338	2 261	2 294
2007	1 244	1 549	1 413	1 879	1 486	1 963	1 576	1 599	1 449	2 365	2 282
2008	1 364	1 717	1 605	1 949	1 548	1 953	1 631	1 625	1 343	2 283	2 165
2009	1 473	1 751	1 632	1 972	1 611	2 094	1 773	1 748	1 678	2 523	2 218
2010	1 303	1 583	1 507	1 801	1 615	1 886	1 677	1 586	1 508	2 378	2 036
2011	1 173	1 431	1 252	1 671	1 412	1 842	1 473	1 366	1 309	2 137	1 835
2012	1 276	1 473	1 257	1 638	1 441	1 796	1 434	1 389	1 318	2 255	1 970

Table 7. Number of occurrence of perceptible earthquake

Numbers

Year	Total	Taipei Area	Yilan Area	Taichung Area	Hwalien Area	Chianan Area	Taitung Area	Kaoping Area	Other Areas
1983	118	10		6	46	8	43	5	-
1984	78	12		3	31	4	27	1	-
1985	118	24		7	48	8	30	1	-
1986	761	66		5	638	8	43	1	-
1987	141	8		2	89	10	29	1	2
1988	202	26		6	129	12	25	1	3
1989	60	3		6	27	5	19	-	-
1990	294	4		3	269	5	10	2	1
1991	403	-	13	9	198	107	48	28	-
1992	384	3	25	18	229	27	64	18	-
1993	409	2	20	12	186	82	69	38	-
1994	1 183	4	60	50	789	78	61	135	6
1995	1 048	3	53	20	558	168	201	42	3
1996	674	3	34	19	241	112	194	71	-
1997	676	1	40	24	350	89	129	43	-
1998	741	5	63	31	308	141	132	57	4
1999	2 945	3	47	1 265	659	666	98	207	-
2000	1 457	-	26	354	525	307	116	126	3
2001	990	1	26	129	311	188	102	232	1
2002	1 668	5	325	115	912	114	121	75	1
2003	1 207	3	30	68	362	143	539	60	2
2004	709	4	34	50	215	77	272	56	1
2005	1 105	5	156	37	618	77	167	44	1
2006	785	3	27	46	195	60	366	84	4
2007	583	3	24	37	225	82	154	57	1
2008	651	5	35	27	248	103	165	63	5
2009	792	10	49	71	435	87	99	39	2
2010	545	2	34	43	217	64	98	83	4
2011	666	3	47	32	374	64	108	38	-
2012	879	1	17	69	539	79	94	79	1

Notes : 1. Central Weather Bureau adopted new equipments detecting earthquake vibration from 1991.  
2. Before 1991, the figures of Taipei area include the data Yilan area.

## 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 and projections of population. The population projections are obtained from the *Population Projections for R.O.C: 2012 to 2060* prepared by the Manpower Planning Department of Council for Economic Planning and Development, Executive Yuan. 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. Data on living standards of households are obtained from the *Report on the Survey of Family Income and Expenditure*, published by the Directorate-General of Budget, Accounting and Statistics, Executive Yuan.

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.

The population projection, designed to provide data required by the government in drawing up its national economic plans as well as in formulating its policies, adopts the cohort-component approach by which moving projection is calculated separately for each age group with a compute program derived from one used by the U.S. Census Bureau in its projection of population for a specific age.

Fertility Rates -- Four kinds of fertility rates are presented in this section, i.e., general fertility rate, total fertility rate, gross reproduction rate, and net reproduction 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. The gross reproduction rate refers to the number of live female infants given by every 1,000 childbearing age women

during their childbearing period. The net reproduction rate refers to the number of live female infants given by every 1,000 childbearing women surviving during their childbearing period.

**Table 8. Population by sex, rate of population increase, average persons per household, density and natural increase rate**

End of Year	Population			Annual rate of increase (%)	Sex ratio (Female=100)	Average persons per household	Density (Persons/km <sup>2</sup> )	Natural increase rate (‰)
	Both sexes	Male	Female					
1983	18 790 538	9 769 572	9 020 966	1.48	108.3	4.52	519.4	15.68
1984	19 069 194	9 904 853	9 164 341	1.48	108.1	4.48	527.1	14.85
1985	19 313 825	10 023 344	9 290 481	1.28	107.9	4.42	533.8	13.23
1986	19 509 082	10 114 710	9 394 372	1.01	107.7	4.34	539.2	11.03
1987	19 725 010	10 217 434	9 507 576	1.11	107.5	4.24	545.2	11.10
1988	19 954 397	10 328 081	9 626 316	1.16	107.3	4.14	551.5	12.09
1989	20 156 587	10 424 102	9 732 485	1.01	107.1	4.06	557.1	10.57
1990	20 401 305	10 540 635	9 860 670	1.21	106.9	4.00	563.9	11.34
1991	20 605 831	10 640 276	9 965 555	1.00	106.8	3.94	569.5	10.52
1992	20 802 622	10 734 609	10 068 013	0.96	106.6	3.88	575.0	10.20
1993	20 995 416	10 824 161	10 171 255	0.93	106.4	3.82	580.3	10.27
1994	21 177 874	10 907 032	10 270 842	0.87	106.2	3.75	585.3	9.91
1995	21 357 431	10 990 657	10 366 774	0.85	106.0	3.67	590.3	9.90
1996	21 525 433	11 065 798	10 459 635	0.79	105.8	3.57	594.9	9.47
1997	21 742 815	11 163 764	10 579 051	1.01	105.5	3.50	600.8	9.48
1998	21 928 591	11 243 408	10 685 183	0.85	105.2	3.44	606.0	6.79
1999	22 092 387	11 312 728	10 779 659	0.75	105.0	3.38	610.5	7.16
2000	22 276 672	11 392 050	10 884 622	0.83	104.7	3.33	615.6	8.08
2001	22 405 568	11 441 651	10 963 917	0.58	104.4	3.29	619.1	5.94
2002	22 520 776	11 485 409	11 035 367	0.51	104.1	3.25	622.3	5.29
2003	22 604 550	11 515 062	11 089 488	0.37	103.8	3.21	624.6	4.27
2004	22 689 122	11 541 585	11 147 537	0.37	103.5	3.16	627.0	3.59
2005	22 770 383	11 562 440	11 207 943	0.36	103.2	3.12	629.2	2.92
2006	22 876 527	11 591 707	11 284 820	0.47	102.7	3.09	632.2	3.01
2007	22 958 360	11 608 767	11 349 593	0.36	102.3	3.06	634.4	2.76
2008	23 037 031	11 626 351	11 410 680	0.34	101.9	3.01	636.6	2.40
2009	23 119 772	11 636 734	11 483 038	0.36	101.3	2.96	638.8	2.07
2010	23 162 123	11 635 225	11 526 898	0.18	100.9	2.92	640.0	0.91
2011	23 224 912	11 645 674	11 579 238	0.27	100.6	2.88	641.7	1.88
2012	23 315 822	11 673 319	11 642 503	0.39	100.3	2.85	644.2	3.23

Notes : All figures are based on the household registration data at the end of year.

**Table 9. Number and rate of birth, death, marriage and divorce**

Year	Birth		Death		Married		Divorced	
	Number (persons)	Crude birth rate (‰)	Number (persons)	Crude death rate (‰)	Couples	Crude marriage rate (couples per 1000 pop.)	Couples	Crude divorce rate (couples per 1000 pop.)
1983	383 439	20.56	90 951	4.88	158 634	8.50	17 528	0.94
1984	371 008	19.60	89 915	4.75	155 364	8.21	19 023	1.00
1985	346 208	18.04	92 348	4.81	153 832	8.02	21 165	1.10
1986	309 230	15.93	95 057	4.90	145 854	7.51	22 385	1.15
1987	314 024	16.01	96 319	4.91	146 312	7.46	23 061	1.18
1988	342 031	17.24	102 113	5.15	155 548	7.84	25 012	1.26
1989	315 299	15.72	103 288	5.15	158 203	7.89	25 102	1.25
1990	335 618	16.55	105 669	5.21	142 943	7.05	27 451	1.35
1991	321 932	15.70	106 284	5.18	162 972	7.95	28 298	1.38
1992	321 632	15.53	110 516	5.34	169 461	8.18	29 205	1.41
1993	325 613	15.58	110 901	5.31	157 780	7.55	30 200	1.45
1994	322 938	15.31	113 866	5.40	170 864	8.10	31 899	1.51
1995	329 581	15.50	119 112	5.60	160 249	7.53	33 358	1.57
1996	325 545	15.18	122 489	5.71	169 424	7.90	35 875	1.67
1997	326 002	15.07	121 000	5.59	166 216	7.68	38 986	1.80
1998	271 450	12.43	123 180	5.64	145 976	6.69	43 603	2.00
1999	283 661	12.89	126 113	5.73	173 209	7.87	49 003	2.23
2000	305 312	13.76	125 958	5.68	181 642	8.19	52 670	2.37
2001	260 354	11.65	127 647	5.71	170 515	7.63	56 538	2.53
2002	247 530	11.02	128 636	5.73	172 655	7.69	61 213	2.73
2003	227 070	10.06	130 801	5.80	171 483	7.60	64 866	2.87
2004	216 419	9.56	135 092	5.97	131 453	5.80	62 796	2.77
2005	205 854	9.06	139 398	6.13	141 140	6.21	62 571	2.75
2006	204 459	8.96	135 839	5.95	142 669	6.25	64 540	2.83
2007	204 414	8.92	141 111	6.16	135 041	5.89	58 518	2.55
2008	198 733	8.64	143 624	6.25	154 866	6.73	55 995	2.43
2009	191 310	8.29	143 582	6.22	117 099	5.07	57 223	2.48
2010	166 886	7.21	145 772	6.30	138 819	6.00	58 115	2.51
2011	196 627	8.48	152 915	6.59	165 327	7.13	57 008	2.46
2012	229 481	9.86	154 251	6.63	143 384	6.16	55 980	2.41

Notes : The rates are in per thousand of the estimated midyear population.

**Table 10. Age-specific distribution of population, dependency ratio, index of aging and median age**

%

End of Year	Age-specific distribution			Dependency ratio	Index of aging	Median age <sup>1</sup> (Year)
	0-14	15-64	65+			
1983	30.8	64.5	4.7	55	15.2	24.0
1984	30.2	64.9	4.9	54	16.1	24.4
1985	29.6	65.3	5.1	53	17.1	24.9
1986	29.0	65.7	5.3	52	18.2	25.3
1987	28.4	66.1	5.5	51	19.5	25.8
1988	28.0	66.3	5.7	51	20.5	26.3
1989	27.5	66.5	6.0	50	21.7	26.8
1990	27.1	66.7	6.2	50	23.0	27.2
1991	26.3	67.1	6.5	49	24.8	27.7
1992	25.8	67.4	6.8	48	26.4	28.2
1993	25.2	67.8	7.1	48	28.2	28.7
1994	24.4	68.2	7.4	47	30.2	29.1
1995	23.8	68.6	7.6	46	32.1	29.6
1996	23.1	69.0	7.9	45	34.0	30.1
1997	22.6	69.3	8.1	44	35.7	30.5
1998	22.0	69.8	8.3	43	37.6	31.2
1999	21.4	70.1	8.4	43	39.4	31.6
2000	21.1	70.3	8.6	42	40.9	32.1
2001	20.8	70.4	8.8	42	42.3	32.6
2002	20.4	70.6	9.0	42	44.2	33.1
2003	19.8	70.9	9.2	41	46.6	33.6
2004	19.3	71.2	9.5	40	49.0	34.1
2005	18.7	71.6	9.7	40	52.0	34.7
2006	18.1	71.9	10.0	39	55.2	35.2
2007	17.6	72.2	10.2	38	58.1	35.8
2008	17.0	72.6	10.4	38	61.5	36.3
2009	16.3	73.0	10.6	37	65.1	36.8
2010	15.7	73.6	10.7	36	68.6	37.4
2011	15.1	74.0	10.9	35	72.2	37.9
2012	14.6	74.2	11.2	35	76.2	38.4

**Notes :** <sup>1</sup> Data were computed by estimated midyear population.  
All figures are based on the household registration data at the end of year.

Table 11. Population

End of Year										
	All ages	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1983	18 790 538	1 988 677	1 942 236	1 859 001	1 943 319	1 998 175	1 837 932	1 558 973	953 987	926 155
1984	19 069 194	1 929 414	1 996 895	1 832 008	1 926 126	2 006 186	1 878 505	1 639 902	1 036 697	926 377
1985	19 313 825	1 866 549	2 035 953	1 813 642	1 912 260	1 999 571	1 898 036	1 713 055	1 159 452	894 682
1986	19 509 082	1 777 521	2 021 972	1 859 173	1 882 543	1 994 322	1 913 815	1 745 615	1 314 369	878 310
1987	19 725 010	1 684 379	2 029 602	1 886 617	1 872 408	1 960 854	1 948 272	1 768 454	1 430 984	901 802
1988	19 954 397	1 643 894	2 004 593	1 930 385	1 846 493	1 937 671	1 969 663	1 809 836	1 530 050	945 091
1989	20 156 587	1 606 605	1 955 602	1 980 990	1 818 652	1 918 760	1 975 360	1 846 137	1 606 595	1 022 313
1990	20 401 305	1 613 288	1 893 288	2 018 789	1 796 472	1 902 136	1 974 557	1 871 518	1 684 644	1 145 237
1991	20 605 831	1 623 446	1 794 009	2 009 695	1 840 047	1 871 602	1 965 733	1 889 119	1 720 569	1 299 350
1992	20 802 622	1 629 553	1 708 725	2 023 069	1 864 578	1 859 677	1 933 959	1 924 575	1 749 763	1 415 342
1993	20 995 416	1 614 598	1 669 798	1 995 309	1 906 190	1 831 670	1 911 217	1 945 458	1 789 101	1 512 385
1994	21 177 874	1 601 632	1 615 534	1 952 415	1 968 623	1 800 721	1 892 287	1 959 649	1 834 580	1 594 472
1995	21 357 431	1 590 485	1 601 359	1 884 239	2 008 335	1 779 571	1 881 015	1 958 377	1 858 380	1 670 238
1996	21 525 433	1 590 975	1 615 377	1 776 191	1 999 609	1 824 814	1 851 115	1 954 320	1 877 207	1 704 099
1997	21 742 815	1 599 094	1 627 015	1 688 171	2 012 253	1 851 573	1 842 670	1 922 538	1 915 911	1 732 870
1998	21 928 591	1 545 889	1 613 672	1 655 839	1 989 278	1 900 270	1 820 827	1 904 516	1 943 867	1 776 015
1999	22 092 387	1 507 221	1 625 278	1 602 097	1 940 252	1 958 757	1 796 059	1 889 664	1 951 084	1 815 880
2000	22 276 672	1 489 242	1 615 158	1 598 693	1 875 363	2 001 787	1 778 878	1 880 525	1 948 453	1 840 177
2001	22 405 568	1 426 759	1 618 964	1 616 161	1 768 347	1 992 372	1 828 743	1 855 510	1 946 820	1 859 355
2002	22 520 776	1 350 829	1 621 378	1 626 685	1 681 126	2 004 871	1 856 171	1 847 353	1 913 758	1 896 052
2003	22 604 550	1 309 903	1 561 046	1 610 671	1 646 048	1 977 231	1 901 431	1 821 029	1 891 845	1 919 263
2004	22 689 122	1 243 939	1 521 015	1 622 128	1 592 665	1 928 089	1 958 601	1 796 937	1 877 722	1 926 436
2005	22 770 383	1 144 355	1 502 936	1 611 758	1 590 254	1 864 520	2 002 501	1 781 545	1 870 226	1 925 056
2006	22 876 527	1 092 942	1 437 160	1 615 529	1 608 668	1 760 487	1 998 797	1 835 988	1 850 260	1 927 547
2007	22 958 360	1 052 585	1 359 780	1 618 280	1 620 326	1 675 596	2 017 016	1 866 769	1 845 404	1 897 013
2008	23 037 031	1 026 206	1 319 870	1 559 127	1 605 952	1 642 305	1 994 567	1 916 670	1 823 587	1 878 514
2009	23 119 772	1 002 160	1 255 927	1 519 931	1 618 327	1 589 926	1 950 841	1 982 094	1 804 994	1 868 115
2010	23 162 123	964 093	1 158 304	1 501 914	1 608 154	1 586 737	1 886 699	2 029 110	1 791 704	1 862 445
2011	23 224 912	956 990	1 108 386	1 436 414	1 612 237	1 604 002	1 778 838	2 023 066	1 844 591	1 842 060
2012	23 315 822	983 683	1 068 274	1 359 720	1 615 525	1 615 579	1 688 435	2 038 988	1 874 388	1 837 206

Notes : 1.The number of population does not include those foreign people who are residing in Taiwan Area.

2.All figures are based on the household registration data at the end of year.



## by sex and age

Persons

Total											
45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+
825 855	807 131	728 810	540 934	373 494	269 149	142 793	64 985	22 588		6 344	
844 159	800 224	756 448	570 673	385 983	284 281	153 929	69 949	24 584		6 854	
868 347	795 314	776 164	603 745	406 715	294 671	164 130	76 551	27 452		7 536	
889 717	790 208	783 297	627 678	437 895	302 798	172 868	80 452	28 774		7 755	
903 857	802 202	786 726	655 426	467 117	309 632	190 184	86 581	31 433		8 480	
914 310	812 147	778 968	685 509	489 410	319 667	202 989	91 266	33 041		9 414	
915 500	827 488	771 386	709 878	515 006	328 513	214 093	98 274	35 392		10 043	
887 542	851 976	765 281	727 946	546 450	346 810	222 946	103 599	38 266		10 560	
873 267	873 650	760 501	739 414	571 441	376 177	232 334	111 908	41 650		11 919	
887 387	882 182	770 190	737 489	594 180	400 066	239 016	124 816	44 569	11 394	1 801	291
927 945	891 163	778 101	731 680	624 985	421 222	247 103	135 716	47 089	12 237	2 069	380
1 000 743	883 687	789 157	722 018	647 138	444 508	256 041	146 238	51 790	13 780	2 364	497
1 120 607	848 364	810 191	715 216	663 674	470 126	270 923	152 575	55 713	14 924	2 614	505
1 275 488	827 045	828 300	709 285	671 468	490 537	293 422	156 180	60 055	16 336	3 027	583
1 392 439	848 551	839 094	718 580	672 937	514 004	314 268	160 549	68 321	17 858	3 402	717
1 490 384	895 191	851 945	730 667	667 738	543 076	333 570	167 429	74 776	19 089	3 750	803
1 567 781	974 543	850 827	747 472	663 430	565 908	354 407	175 619	80 058	21 046	4 138	866
1 644 449	1 096 189	817 926	768 524	659 042	582 622	378 169	188 721	84 265	22 959	4 564	966
1 678 885	1 250 525	800 735	789 035	656 027	591 347	398 637	207 848	88 205	25 222	4 948	1 123
1 706 154	1 363 730	821 946	799 423	665 502	593 675	419 184	224 363	92 436	29 336	5 506	1 298
1 744 527	1 456 435	866 063	811 324	677 189	589 974	443 852	239 280	97 340	32 724	5 954	1 421
1 783 714	1 532 407	943 933	811 061	694 392	588 148	464 817	255 848	103 711	35 343	6 643	1 573
1 808 740	1 608 391	1 062 981	780 316	715 262	586 360	480 569	275 448	112 551	37 635	7 236	1 743
1 832 448	1 646 546	1 216 871	766 255	737 193	586 672	491 500	294 363	126 836	40 384	8 137	1 944
1 869 685	1 674 991	1 329 160	788 663	748 863	597 005	495 565	310 951	137 363	41 807	9 576	1 962
1 895 846	1 715 897	1 422 226	834 044	762 519	609 541	494 896	331 096	147 409	44 605	10 281	1 873
1 905 475	1 755 730	1 497 842	910 762	764 075	627 518	496 030	349 408	159 031	48 364	11 221	2 001
1 904 868	1 780 392	1 572 529	1 027 281	736 850	648 886	497 209	364 105	173 270	53 396	12 066	2 111
1 905 738	1 800 906	1 608 114	1 175 321	724 538	669 950	498 980	373 442	186 330	60 206	12 662	2 141
1 874 953	1 838 162	1 636 437	1 284 320	747 480	682 956	509 783	378 576	198 883	66 290	13 585	2 599

Table 11. Population

End of Year										
	All ages	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1983	9 769 572	1 025 312	999 443	955 552	997 573	1 023 488	938 465	796 780	489 502	471 800
1984	9 904 853	995 173	1 028 071	941 453	987 739	1 027 912	958 965	837 342	531 587	473 507
1985	10 023 344	962 831	1 048 601	931 912	981 181	1 024 483	969 901	874 647	594 395	457 537
1986	10 114 710	917 072	1 041 447	955 801	966 716	1 021 437	978 271	891 206	673 229	449 242
1987	10 217 434	869 769	1 045 548	969 628	959 733	1 004 717	997 449	902 960	731 800	460 504
1988	10 328 081	850 875	1 032 898	993 204	946 268	992 769	1 007 453	924 044	781 227	482 685
1989	10 424 102	832 292	1 007 704	1 019 573	931 441	983 442	1 012 566	942 367	819 835	522 260
1990	10 540 635	836 309	974 530	1 038 378	919 522	974 754	1 011 861	957 301	859 616	585 909
1991	10 640 276	843 907	924 557	1 034 173	942 699	959 307	1 006 489	964 915	878 637	663 796
1992	10 734 609	848 534	882 271	1 042 014	955 702	952 881	990 251	983 486	892 329	722 576
1993	10 824 161	838 993	863 197	1 026 965	977 797	939 178	978 571	994 422	912 226	770 835
1994	10 907 032	836 012	837 095	1 006 634	1 011 303	922 677	967 512	999 784	932 906	810 417
1995	10 990 657	828 904	832 631	971 636	1 032 061	911 104	962 374	999 400	945 331	848 300
1996	11 065 798	828 407	842 803	916 435	1 027 808	935 259	946 727	996 496	954 943	865 339
1997	11 163 764	831 971	849 722	871 942	1 034 479	948 608	940 902	980 473	975 340	878 916
1998	11 243 408	804 753	842 641	856 638	1 022 518	972 277	928 765	971 092	989 035	900 056
1999	11 312 728	784 903	848 731	830 111	997 692	1 002 156	915 210	962 506	992 806	919 603
2000	11 392 050	776 698	841 773	831 160	964 868	1 023 835	905 239	957 030	990 211	931 580
2001	11 441 651	743 975	842 623	842 567	910 170	1 018 859	930 094	943 317	988 598	941 127
2002	11 485 409	704 807	843 183	849 202	866 630	1 026 165	943 791	936 397	971 469	960 079
2003	11 515 062	684 174	812 247	840 744	850 160	1 012 438	967 088	921 888	960 123	971 638
2004	11 541 585	650 216	791 835	846 780	823 881	988 195	996 749	907 862	951 254	975 195
2005	11 562 440	598 086	783 379	839 692	825 590	956 187	1 018 399	897 966	945 670	972 854
2006	11 591 707	571 699	749 063	840 418	837 559	902 971	1 014 502	923 631	932 908	972 298
2007	11 608 767	550 561	709 220	841 204	844 751	860 639	1 022 008	937 762	926 562	956 057
2008	11 626 351	536 491	689 226	810 883	837 112	845 169	1 009 260	961 387	913 095	945 857
2009	11 636 734	523 013	656 333	790 956	843 652	819 263	985 114	990 622	899 207	937 285
2010	11 635 225	503 400	605 233	782 666	836 734	821 067	953 304	1 012 113	889 468	932 140
2011	11 645 674	498 746	579 777	748 622	837 814	832 933	899 967	1 007 873	914 496	919 426
2012	11 673 319	511 559	558 811	709 152	839 044	840 354	857 626	1 015 792	928 490	912 991

## by sex and age (continued)

Persons

Male											
45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+
421 124	454 264	435 512	312 690	206 162	139 163	65 714	27 141	8 020			1 867
427 824	438 062	450 737	330 954	214 257	148 949	71 605	29 701	8 963			2 052
439 276	422 743	457 701	353 055	227 086	155 872	76 784	32 800	10 214			2 325
450 112	411 299	454 885	367 380	245 455	162 316	81 030	34 638	10 754			2 420
457 594	410 236	448 336	385 499	263 430	165 291	92 604	37 690	11 965			2 681
463 632	410 988	433 808	403 571	276 956	171 685	100 312	39 687	12 973			3 046
465 199	416 487	417 661	415 948	292 469	177 106	107 237	43 202	14 021			3 292
450 964	428 066	402 381	422 559	312 353	188 119	113 229	45 807	15 456			3 521
443 856	438 826	391 291	423 353	328 180	205 323	120 044	49 856	16 909			4 158
451 477	443 183	389 203	413 629	342 974	219 690	123 100	58 049	18 389	4 186	606	79
471 877	447 587	389 157	401 476	361 512	232 766	128 111	64 618	19 452	4 619	680	122
508 108	444 463	390 779	385 289	374 358	247 589	134 194	70 333	21 409	5 198	808	164
568 978	426 680	400 396	370 095	380 492	264 749	143 043	74 364	23 301	5 738	905	175
646 207	415 574	408 932	357 729	379 841	277 751	155 747	77 128	25 113	6 278	1 078	203
705 103	426 471	414 295	355 662	372 322	292 130	167 889	79 065	29 977	6 951	1 271	275
753 418	449 997	421 175	357 588	359 898	308 800	179 024	82 971	33 535	7 485	1 423	319
791 357	489 804	421 673	363 324	346 812	320 675	190 909	87 710	36 476	8 311	1 611	348
829 386	550 932	405 574	372 741	333 391	326 658	205 981	94 920	38 710	9 168	1 807	388
846 586	627 410	397 003	382 731	323 539	326 319	218 110	105 011	41 096	10 045	1 994	477
858 992	683 753	407 786	388 001	322 139	320 449	230 394	114 146	42 843	12 364	2 213	606
877 898	729 037	429 830	394 429	324 142	309 833	244 424	122 381	45 323	14 162	2 421	682
896 871	765 796	468 133	395 322	330 091	299 144	254 807	131 554	48 850	15 551	2 713	786
908 705	803 078	527 088	380 324	339 262	288 316	260 601	143 274	53 381	16 760	2 944	884
919 910	821 251	602 280	373 307	349 809	281 052	262 137	153 915	60 585	18 114	3 293	1 005
938 532	833 832	657 109	384 466	355 601	280 289	258 048	163 045	65 869	18 087	4 120	1 005
950 823	853 304	701 768	406 629	362 704	282 905	250 143	173 879	70 921	19 429	4 435	931
954 649	872 033	737 598	443 885	364 463	289 278	242 555	182 732	76 946	21 348	4 825	977
952 466	883 709	773 674	500 740	351 553	298 770	234 614	188 509	85 006	23 822	5 201	1 036
951 201	893 621	790 656	571 994	345 490	308 671	229 209	189 644	92 019	26 964	5 524	1 027
935 207	912 094	803 377	624 453	356 836	315 219	229 340	187 308	98 577	30 022	5 752	1 315

Table 11. Population

End of Year										
	All ages	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1983	9 020 966	963 365	942 793	903 449	945 746	974 687	899 467	762 193	464 485	454 355
1984	9 164 341	934 241	968 824	890 555	938 387	978 274	919 540	802 560	505 110	452 870
1985	9 290 481	903 718	987 352	881 730	931 079	975 088	928 135	838 408	565 057	437 145
1986	9 394 372	860 449	980 525	903 372	915 827	972 885	935 544	854 409	641 140	429 068
1987	9 507 576	814 610	984 054	916 989	912 675	956 137	950 823	865 494	699 184	441 298
1988	9 626 316	793 019	971 695	937 181	900 225	944 902	962 210	885 792	748 823	462 406
1989	9 732 485	774 313	947 898	961 417	887 211	935 318	962 794	903 770	786 760	500 053
1990	9 860 670	776 979	918 758	980 411	876 950	927 382	962 696	914 217	825 028	559 328
1991	9 965 555	779 539	869 452	975 522	897 348	912 295	959 244	924 204	841 932	635 554
1992	10 068 013	781 019	826 454	981 055	908 876	906 796	943 708	941 089	857 434	692 766
1993	10 171 255	775 605	806 601	968 344	928 393	892 492	932 646	951 036	876 875	741 550
1994	10 270 842	765 620	778 439	945 781	957 320	878 044	924 775	959 865	901 674	784 055
1995	10 366 774	761 581	768 728	912 603	976 274	868 467	918 641	958 977	913 049	821 938
1996	10 459 635	762 568	772 574	859 756	971 801	889 555	904 388	957 824	922 264	838 760
1997	10 579 051	767 123	777 293	816 229	977 774	902 965	901 768	942 065	940 571	853 954
1998	10 685 183	741 136	771 031	799 201	966 760	927 993	892 062	933 424	954 832	875 959
1999	10 779 659	722 318	776 547	771 986	942 560	956 601	880 849	927 158	958 278	896 277
2000	10 884 622	712 544	773 385	767 533	910 495	977 952	873 639	923 495	958 242	908 597
2001	10 963 917	682 784	776 341	773 594	858 177	973 513	898 649	912 193	958 222	918 228
2002	11 035 367	646 022	778 195	777 483	814 496	978 706	912 380	910 956	942 289	935 973
2003	11 089 488	625 729	748 799	769 927	795 888	964 793	934 343	899 141	931 722	947 625
2004	11 147 537	593 723	729 180	775 348	768 784	939 894	961 852	889 075	926 468	951 241
2005	11 207 943	546 269	719 557	772 066	764 664	908 333	984 102	883 579	924 556	952 202
2006	11 284 820	521 243	688 097	775 111	771 109	857 516	984 295	912 357	917 352	955 249
2007	11 349 593	502 024	650 560	777 076	775 575	814 957	995 008	929 007	918 842	940 956
2008	11 410 680	489 715	630 644	748 244	768 840	797 136	985 307	955 283	910 492	932 657
2009	11 483 038	479 147	599 594	728 975	774 675	770 663	965 727	991 472	905 787	930 830
2010	11 526 898	460 693	553 071	719 248	771 420	765 670	933 395	1 016 997	902 236	930 305
2011	11 579 238	458 244	528 609	687 792	774 423	771 069	878 871	1 015 193	930 095	922 634
2012	11 642 503	472 124	509 463	650 568	776 481	775 225	830 809	1 023 196	945 898	924 215

## by sex and age (continued)

Persons

Female											
45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+
404 731	352 867	293 298	228 244	167 332	129 986	77 079	37 844	14 568		4 477	
416 335	362 162	305 711	239 719	171 726	135 332	82 324	40 248	15 621		4 802	
429 071	372 571	318 463	250 690	179 629	138 799	87 346	43 751	17 238		5 211	
439 605	378 909	328 412	260 298	192 440	140 482	91 838	45 814	18 020		5 335	
446 263	391 966	338 390	269 927	203 687	144 341	97 580	48 891	19 468		5 799	
450 678	401 159	345 160	281 938	212 454	147 982	102 677	51 579	20 068		6 368	
450 301	411 001	353 725	293 930	222 537	151 407	106 856	55 072	21 371		6 751	
436 578	423 910	362 900	305 387	234 097	158 691	109 717	57 792	22 810		7 039	
429 411	434 824	369 210	316 061	243 261	170 854	112 290	62 052	24 741		7 761	
435 910	438 999	380 987	323 860	251 206	180 376	115 916	66 767	26 180	7 208	1 195	212
456 068	443 576	388 944	330 204	263 473	188 456	118 992	71 098	27 637	7 618	1 389	258
492 635	439 224	398 378	336 729	272 780	196 919	121 847	75 905	30 381	8 582	1 556	333
551 629	421 684	409 795	345 121	283 182	205 377	127 880	78 211	32 412	9 186	1 709	330
629 281	411 471	419 368	351 556	291 627	212 786	137 675	79 052	34 942	10 058	1 949	380
687 336	422 080	424 799	362 918	300 615	221 874	146 379	81 484	38 344	10 907	2 131	442
736 966	445 194	430 770	373 079	307 840	234 276	154 546	84 458	41 241	11 604	2 327	484
776 424	484 739	429 154	384 148	316 618	245 233	163 498	87 909	43 582	12 735	2 527	518
815 063	545 257	412 352	395 783	325 651	255 964	172 188	93 801	45 555	13 791	2 757	578
832 299	623 115	403 732	406 304	332 488	265 028	180 527	102 837	47 109	15 177	2 954	646
847 162	679 977	414 160	411 422	343 363	273 226	188 790	110 217	49 593	16 972	3 293	692
866 629	727 398	436 233	416 895	353 047	280 141	199 428	116 899	52 017	18 562	3 533	739
886 843	766 611	475 800	415 739	364 301	289 004	210 010	124 294	54 861	19 792	3 930	787
900 035	805 313	535 893	399 992	376 000	298 044	219 968	132 174	59 170	20 875	4 292	859
912 538	825 295	614 591	392 948	387 384	305 620	229 363	140 448	66 251	22 270	4 844	939
931 153	841 159	672 051	404 197	393 262	316 716	237 517	147 906	71 494	23 720	5 456	957
945 023	862 593	720 458	427 415	399 815	326 636	244 753	157 217	76 488	25 176	5 846	942
950 826	883 697	760 244	466 877	399 612	338 240	253 475	166 676	82 085	27 016	6 396	1 024
952 402	896 683	798 855	526 541	385 297	350 116	262 595	175 596	88 264	29 574	6 865	1 075
954 537	907 285	817 458	603 327	379 048	361 279	269 771	183 798	94 311	33 242	7 138	1 114
939 746	926 068	833 060	659 867	390 644	367 737	280 443	191 268	100 306	36 268	7 833	1 284

Table 12. Population of age 15 years

End of Year	Male								
	Total	Single		Currently married		Widowed		Divorced	
		Numbers	%	Numbers	%	Numbers	%	Numbers	%
1983	6 789 265	2 704 969	39.8	3 841 376	56.6	151 143	2.2	91 777	1.4
1984	6 940 156	2 749 005	39.6	3 935 988	56.7	155 372	2.2	99 791	1.4
1985	7 080 000	2 791 765	39.4	4 020 158	56.8	159 261	2.2	108 816	1.5
1986	7 200 390	2 810 982	39.0	4 104 616	57.0	165 318	2.3	119 474	1.7
1987	7 332 489	2 856 232	39.0	4 173 274	56.9	171 625	2.3	131 358	1.8
1988	7 451 104	2 887 672	38.8	4 242 767	56.9	175 877	2.4	144 788	1.9
1989	7 564 533	2 892 556	38.2	4 333 592	57.3	182 578	2.4	155 807	2.1
1990	7 691 418	2 921 138	38.0	4 407 072	57.3	191 919	2.5	171 289	2.2
1991	7 837 639	2 976 576	38.0	4 480 712	57.2	194 949	2.5	185 402	2.4
1992	7 961 790	3 009 743	37.8	4 560 392	57.3	194 677	2.4	196 978	2.5
1993	8 095 006	3 052 827	37.7	4 632 837	57.2	200 023	2.5	209 319	2.6
1994	8 227 291	3 152 094	38.3	4 666 829	56.7	187 019	2.3	221 349	2.7
1995	8 357 486	3 202 757	38.3	4 725 013	56.5	189 274	2.3	240 442	2.9
1996	8 478 153	3 244 425	38.3	4 782 972	56.4	188 543	2.2	262 213	3.1
1997	8 610 129	3 284 982	38.2	4 846 579	56.3	192 414	2.2	286 154	3.3
1998	8 739 376	3 339 615	38.2	4 892 877	56.0	196 517	2.2	310 367	3.6
1999	8 848 983	3 364 354	38.0	4 948 319	55.9	200 444	2.3	335 866	3.8
2000	8 942 419	3 371 213	37.7	5 007 204	56.0	203 387	2.3	360 615	4.0
2001	9 012 486	3 371 660	37.4	5 047 682	56.0	205 976	2.3	387 168	4.3
2002	9 088 217	3 379 567	37.2	5 084 695	56.0	208 424	2.3	415 531	4.6
2003	9 177 897	3 410 118	37.2	5 113 084	55.7	210 701	2.3	443 994	4.8
2004	9 252 754	3 452 830	37.3	5 106 743	55.2	213 884	2.3	479 297	5.2
2005	9 341 283	3 499 950	37.5	5 110 181	54.7	217 072	2.3	514 080	5.5
2006	9 430 527	3 540 848	37.5	5 118 941	54.3	220 418	2.3	550 320	5.8
2007	9 507 782	3 583 708	37.7	5 120 397	53.9	223 382	2.3	580 295	6.1
2008	9 589 751	3 612 897	37.7	5 143 798	53.6	225 841	2.4	607 215	6.3
2009	9 666 432	3 675 047	38.0	5 126 297	53.0	228 719	2.4	636 369	6.6
2010	9 743 926	3 718 696	38.2	5 129 013	52.6	231 567	2.4	664 650	6.8
2011	9 818 529	3 736 448	38.1	5 159 436	52.6	233 644	2.4	689 001	7.0
2012	9 893 797	3 777 383	38.2	5 166 294	52.2	236 095	2.4	714 025	7.2

Notes : All figures are based on the household registration data at the end of year.

**and over by sex and marital status**

Female								
Total	Single		Currently married		Widowed		Divorced	
	Numbers	%	Numbers	%	Numbers	%	Numbers	%
6 211 359	1 856 399	29.9	3 840 960	61.8	431 617	6.9	82 383	1.3
6 370 721	1 900 968	29.8	3 935 119	61.8	444 579	7.0	90 055	1.4
6 517 681	1 944 782	29.8	4 023 348	61.7	450 934	6.9	98 617	1.5
6 650 026	1 977 931	29.7	4 101 988	61.7	460 816	6.9	109 291	1.6
6 791 923	2 023 962	29.8	4 174 529	61.5	473 272	7.0	120 160	1.8
6 924 421	2 053 303	29.7	4 253 269	61.4	484 021	7.0	133 828	1.9
7 048 857	2 080 306	29.5	4 327 724	61.4	495 675	7.0	145 152	2.1
7 184 522	2 125 708	29.6	4 393 333	61.1	507 359	7.1	158 122	2.2
7 341 042	2 171 464	29.6	4 477 367	61.0	518 118	7.1	174 093	2.4
7 479 485	2 208 020	29.5	4 550 934	60.8	531 680	7.1	188 851	2.5
7 620 705	2 260 426	29.7	4 611 050	60.5	545 885	7.2	203 344	2.7
7 781 002	2 342 069	30.1	4 651 236	59.8	569 287	7.3	218 410	2.8
7 923 862	2 388 785	30.1	4 696 952	59.3	597 074	7.5	241 051	3.0
8 064 737	2 415 290	29.9	4 752 061	58.9	629 240	7.8	268 146	3.3
8 218 406	2 464 217	30.0	4 801 104	58.4	657 072	8.0	296 013	3.6
8 373 815	2 533 266	30.3	4 835 294	57.7	681 460	8.1	323 795	3.9
8 508 808	2 581 305	30.3	4 869 725	57.2	704 204	8.3	353 574	4.2
8 631 160	2 619 391	30.3	4 900 922	56.8	727 068	8.4	383 779	4.4
8 731 198	2 652 393	30.4	4 912 978	56.3	749 719	8.6	416 108	4.8
8 833 667	2 687 613	30.4	4 924 031	55.7	771 565	8.7	450 458	5.1
8 945 033	2 741 113	30.6	4 925 584	55.1	793 134	8.9	485 202	5.4
9 049 286	2 796 839	30.9	4 914 473	54.3	815 864	9.0	522 110	5.8
9 170 051	2 852 497	31.1	4 918 992	53.6	839 385	9.2	559 177	6.1
9 300 369	2 900 170	31.2	4 939 167	53.1	863 377	9.3	597 655	6.4
9 419 933	2 952 078	31.3	4 950 589	52.6	885 693	9.4	631 573	6.7
9 542 077	2 988 331	31.3	4 984 951	52.2	907 694	9.5	661 101	6.9
9 675 322	3 053 673	31.6	4 997 496	51.7	930 071	9.6	694 082	7.2
9 793 886	3 101 176	31.7	5 014 749	51.2	952 067	9.7	725 894	7.4
9 904 593	3 122 040	31.5	5 054 590	51.0	974 013	9.8	753 950	7.6
10 010 348	3 164 697	31.6	5 068 860	50.6	994 715	9.9	782 076	7.8

**Table 13. Population in localities over 150 000 and between  
20 000 and 150 000 inhabitants**

End of Year	Total Population	Localities of 150 000 & more inhabitants		Localities of 20 000 - 150 000 inhabitants	
		Aggregate	%	Aggregate	%
1983	18 790 538	9 281 463	49.4	8 376 843	44.6
1984	19 069 194	9 483 960	49.7	8 403 338	44.1
1985	19 313 825	9 771 617	50.6	8 356 626	43.3
1986	19 509 082	10 176 497	52.2	8 184 215	42.0
1987	19 725 010	10 510 749	53.3	7 986 523	40.5
1988	19 954 397	11 833 999	59.3	7 844 509	39.3
1989	20 156 587	11 004 061	54.6	7 957 024	39.5
1990	20 401 305	11 280 802	55.3	7 872 408	38.6
1991	20 605 831	10 162 775	49.3	9 175 249	44.5
1992	20 802 622	10 225 876	49.2	9 305 467	44.7
1993	20 995 416	10 720 111	51.1	9 025 634	43.0
1994	21 177 874	10 959 243	51.7	8 998 054	42.5
1995	21 357 431	10 874 101	50.9	9 264 180	43.4
1996	21 525 433	11 248 563	52.3	9 103 055	42.3
1997	21 742 815	11 503 206	52.9	9 015 639	41.5
1998	21 928 591	11 653 570	53.1	9 068 615	41.4
1999	22 092 387	12 079 480	54.7	8 816 677	39.9
2000	22 276 672	12 227 665	54.9	8 882 696	39.9
2001	22 405 568	12 307 371	54.9	8 918 668	39.8
2002	22 520 776	12 401 041	55.1	8 925 922	39.6
2003	22 604 550	12 469 308	55.2	8 970 650	39.7
2004	22 689 122	12 541 332	55.3	8 991 290	39.6
2005	22 770 383	12 589 601	55.3	8 977 716	39.4
2006	22 876 527	12 670 265	55.4	9 012 316	39.4
2007	22 958 360	12 728 293	55.4	9 023 074	39.3
2008	23 037 031	12 785 077	55.5	9 051 734	39.3
2009	23 119 772	12 823 851	55.5	9 104 033	39.4
2010	23 162 123	12 871 653	55.6	8 935 957	38.6
2011	23 224 912	16 721 789	72.0	5 553 960	23.9
2012	23 315 822	16 960 757	72.7	5 390 054	23.1

**Notes :** 1. All figures are based on the end of the household registration data at the end of year.  
2. Data before 1991 referred to population over 100 000 or between 20 000 and 100 000.  
3. Some cities and counties have been merged or elevated as municipalities since December 2010.



Table 14. Fertility rates for women of childbearing age

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Year	General fertility rate	Total fertility rate	Age specific fertility rate							Gross reproduction rate	Net reproduction rate
			15-19	20-24	25-29	30-34	35-39	40-44	45-49		
1983	79	2 170	26	154	174	63	14	3	0	1.0497	1.0147
1984	75	2 055	23	144	169	60	13	2	0	0.9910	0.9592
1985	68	1 880	19	129	158	56	12	2	0	0.9097	0.8830
1986	60	1 680	18	112	140	52	12	2	0	0.8105	0.7865
1987	60	1 700	16	109	147	54	12	2	0	0.8159	0.7902
1988	64	1 855	16	111	164	64	14	2	0	0.8910	0.8653
1989	58	1 680	16	98	145	61	14	2	0	0.8053	0.7812
1990	62	1 810	17	100	159	69	15	2	0	0.8608	0.8352
1991	58	1 720	17	92	149	68	16	2	0	0.8173	0.7998
1992	57	1 730	17	91	148	72	16	2	0	0.8241	0.8057
1993	57	1 760	17	91	149	75	18	2	0	0.8456	0.8278
1994	55	1 755	17	87	148	79	18	2	0	0.8402	0.8237
1995	55	1 775	17	86	148	82	20	2	0	0.8538	0.8374
1996	54	1 760	17	83	145	84	21	2	0	0.8431	0.8269
1997	53	1 770	15	80	147	87	22	3	0	0.8472	0.8317
1998	43	1 465	14	66	116	73	21	3	0	0.7019	0.6892
1999	45	1 555	13	66	126	82	21	3	0	0.7424	0.7252
2000	48	1 680	14	72	133	90	24	3	0	0.8021	0.7895
2001	41	1 400	13	62	106	75	21	3	0	0.6708	0.6608
2002	39	1 340	13	57	102	73	20	3	0	0.6387	0.6296
2003	36	1 235	11	52	92	69	20	3	0	0.5877	0.5788
2004	34	1 180	10	49	86	68	20	3	0	0.5602	0.5521
2005	33	1 115	8	44	79	68	21	3	0	0.5334	0.5255
2006	33	1 115	7	41	78	71	23	3	0	0.5319	0.5245
2007	32	1 100	6	37	76	74	24	3	0	0.5245	0.5173
2008	31	1 050	5	32	72	73	25	3	0	0.5008	0.4940
2009	31	1 030	4	27	69	75	27	4	0	0.4942	0.4869
2010	27	895	4	23	55	65	28	4	0	0.4283	0.4230
2011	32	1 065	4	23	66	81	34	5	0	0.5114	0.5058
2012	38	1 270	4	26	79	97	42	6	0	0.5181	0.6037

Notes : 1.The rates are in per thousand of the estimated midyear population.

2.Data on gross reproduction rate and net reproduction rate before 1982 do not include Kinmen County and Lienchiang County.

Table 15. Death rates

Year												
	Standard- ized death rate	All ages	0	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1983	...	4.89	8.34	1.07	0.44	0.41	0.91	1.13	1.29	1.43	2.08	3.04
1984	...	4.75	7.56	0.97	0.43	0.36	0.82	1.09	1.20	1.44	2.10	3.09
1985	7.36	4.81	7.38	0.98	0.40	0.38	0.80	1.09	1.18	1.42	1.98	2.91
1986	7.32	4.90	6.64	0.91	0.41	0.35	0.93	1.12	1.18	1.41	1.92	2.88
1987	7.15	4.93	5.62	0.82	0.41	0.38	1.09	1.12	1.19	1.39	1.92	2.87
1988	7.30	5.16	6.24	0.81	0.38	0.39	1.11	1.15	1.27	1.45	1.98	2.81
1989	7.08	5.17	6.07	0.81	0.37	0.40	1.10	1.13	1.31	1.55	1.98	2.92
1990	6.93	5.21	5.91	0.77	0.35	0.37	0.99	1.07	1.26	1.49	2.04	2.84
1991	6.70	5.17	5.39	0.74	0.33	0.34	0.91	1.08	1.24	1.46	1.97	2.68
1992	6.72	5.33	5.63	0.70	0.32	0.34	0.91	1.01	1.19	1.46	1.90	2.72
1993	6.47	5.32	5.33	0.67	0.31	0.36	0.97	1.05	1.23	1.47	1.93	2.77
1994	6.39	5.40	5.66	0.61	0.29	0.32	0.96	1.02	1.16	1.47	1.96	2.80
1995	6.48	5.63	7.40	0.58	0.28	0.34	0.89	1.08	1.15	1.43	1.97	2.71
1996	6.41	5.69	7.49	0.59	0.27	0.30	0.87	0.95	1.11	1.47	1.94	2.74
1997	6.11	5.59	7.12	0.59	0.24	0.27	0.80	0.82	1.09	1.41	1.97	2.73
1998	6.01	5.66	7.07	0.59	0.24	0.28	0.74	0.86	0.99	1.35	1.96	2.73
1999	5.94	5.75	7.23	0.58	0.30	0.32	0.72	0.81	0.99	1.35	1.92	2.68
2000	5.69	5.68	6.99	0.47	0.20	0.22	0.66	0.80	0.92	1.29	1.81	2.65
2001	5.59	5.72	6.33	0.46	0.20	0.21	0.60	0.73	0.85	1.22	1.81	2.56
2002	5.40	5.71	5.94	0.45	0.17	0.18	0.53	0.68	0.89	1.17	1.73	2.46
2003	5.32	5.82	5.32	0.41	0.21	0.19	0.50	0.66	0.84	1.22	1.72	2.46
2004	5.29	5.95	5.91	0.38	0.16	0.18	0.54	0.66	0.84	1.21	1.76	2.55
2005	5.30	6.15	5.50	0.40	0.17	0.19	0.53	0.69	0.97	1.29	1.81	2.59
2006	4.95	5.98	5.46	0.32	0.16	0.18	0.48	0.64	0.88	1.24	1.80	2.62
2007	4.92	6.13	5.48	0.30	0.16	0.15	0.41	0.61	0.78	1.12	1.67	2.52
2008	4.84	6.24	5.00	0.37	0.15	0.14	0.40	0.56	0.72	1.10	1.66	2.50
2009	4.67	6.22	4.44	0.31	0.19	0.17	0.39	0.54	0.74	1.04	1.61	2.41
2010	4.56	6.30	4.42	0.25	0.14	0.15	0.38	0.48	0.68	0.97	1.46	2.32
2011	4.62	6.61	5.05	0.30	0.13	0.15	0.37	0.53	0.64	0.99	1.56	2.37
2012	4.51	6.67	4.43	0.28	0.15	0.15	0.36	0.49	0.64	0.96	1.50	2.30

Notes : Standardized death rate is based on 2000 midyear population age structure.

## by age and sex

‰

both sexes								
45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
4.83	6.94	10.91	17.33	28.50	44.71	73.23	113.44	197.51
4.68	6.77	10.42	16.51	26.59	42.73	69.25	103.77	182.01
4.35	6.62	9.96	15.99	26.09	42.89	68.69	106.96	183.27
4.33	6.40	9.83	15.72	26.11	42.70	69.18	106.97	182.97
4.21	6.35	9.55	15.37	25.11	41.96	65.92	106.30	179.24
4.35	6.60	9.62	15.21	24.78	41.82	67.62	110.68	188.01
4.41	6.28	9.44	14.66	25.01	40.19	65.89	103.87	175.77
4.16	6.18	9.59	14.78	23.91	39.74	65.63	101.48	174.94
4.16	6.18	9.08	14.42	22.60	37.67	63.33	100.13	166.92
4.09	5.93	9.11	14.58	22.65	37.84	62.96	100.18	173.53
4.11	5.90	9.03	14.17	22.10	35.60	60.08	93.59	164.22
4.06	5.93	9.09	13.86	21.90	34.81	58.32	91.80	163.11
4.05	5.95	8.89	14.18	21.93	35.72	59.20	94.24	165.05
3.98	6.05	9.04	13.96	21.27	34.65	57.44	93.43	164.25
3.81	5.97	8.47	13.20	20.95	32.96	53.84	89.34	155.06
3.72	5.62	8.45	13.05	20.74	32.09	52.59	88.37	154.18
3.77	5.57	8.34	12.97	20.15	32.17	51.75	85.97	153.35
3.74	5.30	8.16	12.18	19.35	30.83	50.10	81.71	148.26
3.60	5.26	8.20	12.05	19.23	30.59	48.52	80.05	145.36
3.51	5.06	7.67	11.67	18.46	29.80	47.43	78.10	142.09
3.50	5.09	7.46	11.54	18.27	29.26	46.89	75.36	142.12
3.58	5.06	7.35	11.26	17.57	28.83	45.97	76.27	139.88
3.62	5.04	7.37	11.33	17.24	28.11	46.41	74.92	141.18
3.52	5.01	7.11	10.53	16.15	26.56	42.97	68.88	128.16
3.50	4.82	6.87	10.40	16.20	26.14	43.13	69.11	132.14
3.48	4.71	6.66	10.20	15.45	25.94	42.43	69.16	134.36
3.31	4.65	6.58	9.76	14.92	24.56	40.67	66.84	129.74
3.31	4.53	6.48	9.25	14.41	23.27	39.99	67.09	130.82
3.36	4.65	6.38	9.31	14.48	23.36	40.70	67.49	133.96
3.36	4.45	6.18	9.04	14.29	22.71	39.14	66.71	132.67

Table 15. Death rates

Year											
	All ages	0	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1983	5.72	9.09	1.20	0.52	0.50	1.31	1.53	1.76	1.99	2.76	4.05
1984	5.58	7.94	1.11	0.51	0.44	1.16	1.49	1.66	2.01	2.86	4.20
1985	5.63	7.86	1.07	0.50	0.48	1.14	1.51	1.62	1.89	2.65	3.95
1986	5.76	7.07	1.02	0.51	0.43	1.31	1.57	1.64	1.90	2.57	3.90
1987	5.82	6.10	0.92	0.49	0.49	1.61	1.59	1.65	1.86	2.61	3.94
1988	6.09	6.51	0.94	0.47	0.47	1.65	1.65	1.80	2.00	2.78	3.96
1989	6.14	6.24	0.88	0.45	0.47	1.62	1.59	1.84	2.15	2.70	4.08
1990	6.20	6.23	0.86	0.42	0.46	1.40	1.50	1.76	2.05	2.82	3.88
1991	6.15	5.69	0.84	0.39	0.41	1.30	1.55	1.75	2.05	2.72	3.75
1992	6.35	6.33	0.76	0.35	0.40	1.31	1.44	1.71	2.07	2.68	3.77
1993	6.38	5.74	0.70	0.36	0.44	1.42	1.48	1.75	2.07	2.72	3.87
1994	6.53	6.23	0.70	0.34	0.39	1.41	1.41	1.61	2.13	2.78	3.96
1995	6.79	8.06	0.62	0.34	0.41	1.26	1.55	1.66	2.00	2.84	3.77
1996	6.87	7.87	0.61	0.30	0.35	1.23	1.36	1.56	2.13	2.73	3.89
1997	6.77	7.45	0.63	0.26	0.29	1.12	1.17	1.57	2.06	2.84	3.92
1998	6.86	7.73	0.66	0.25	0.33	1.04	1.23	1.44	1.96	2.81	3.95
1999	6.94	7.95	0.64	0.31	0.35	0.99	1.12	1.40	1.92	2.74	3.84
2000	6.89	7.51	0.49	0.23	0.25	0.92	1.12	1.30	1.85	2.62	3.81
2001	6.96	6.85	0.53	0.23	0.25	0.80	1.01	1.22	1.76	2.62	3.68
2002	6.91	6.22	0.46	0.18	0.20	0.72	0.95	1.28	1.69	2.50	3.54
2003	7.01	5.34	0.45	0.24	0.20	0.66	0.92	1.20	1.76	2.50	3.60
2004	7.24	6.45	0.39	0.17	0.18	0.76	0.91	1.21	1.77	2.58	3.66
2005	7.53	5.82	0.44	0.19	0.21	0.69	0.94	1.40	1.88	2.69	3.85
2006	7.35	5.89	0.38	0.18	0.22	0.66	0.88	1.24	1.84	2.71	3.88
2007	7.46	6.08	0.33	0.16	0.18	0.55	0.82	1.07	1.63	2.52	3.78
2008	7.62	5.29	0.40	0.16	0.16	0.54	0.76	0.98	1.58	2.47	3.73
2009	7.57	4.59	0.33	0.22	0.20	0.50	0.71	0.99	1.50	2.46	3.54
2010	7.66	4.91	0.26	0.16	0.17	0.52	0.67	0.94	1.38	2.19	3.43
2011	8.07	5.30	0.31	0.15	0.17	0.50	0.73	0.90	1.41	2.35	3.61
2012	8.08	4.89	0.29	0.14	0.17	0.48	0.63	0.84	1.35	2.22	3.47

## by age and sex (continued)

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Male								
45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
6.24	8.46	12.71	20.52	33.21	51.52	83.47	125.39	213.54
6.16	8.45	12.22	19.49	30.56	49.52	78.92	113.47	196.82
5.73	8.28	11.70	18.77	30.54	49.36	78.00	117.24	195.46
5.73	8.10	11.88	18.30	30.05	48.69	79.33	118.69	197.48
5.68	8.19	11.56	18.05	29.00	47.39	74.68	117.38	192.44
5.81	8.56	11.87	17.78	28.66	47.50	91.26	120.37	194.69
5.97	8.40	11.91	17.20	28.97	45.53	74.04	112.18	188.05
5.71	8.30	12.26	17.70	27.66	45.62	71.99	112.37	184.46
5.62	8.20	11.72	17.29	26.15	42.90	70.01	110.18	170.41
5.50	7.97	11.96	17.79	26.35	42.96	68.72	108.34	179.21
5.58	7.93	11.72	17.45	25.85	40.67	67.76	99.83	167.08
5.61	7.97	12.08	17.38	26.11	39.83	64.89	101.21	167.77
5.62	8.15	11.78	18.07	25.88	40.91	66.35	103.10	169.75
5.50	8.24	12.17	17.95	25.30	39.89	64.46	102.14	171.65
5.28	8.33	11.44	17.23	24.99	38.40	59.94	97.30	158.10
5.23	7.70	11.44	16.89	24.85	37.04	60.29	97.88	156.38
5.27	7.67	11.13	16.93	24.72	36.74	59.15	95.51	154.67
5.30	7.34	10.96	16.24	24.16	35.90	56.96	90.58	150.40
5.09	7.32	10.95	16.01	24.59	35.87	55.68	89.47	146.81
5.03	7.03	10.42	15.53	23.42	35.00	54.36	86.76	142.93
5.00	7.07	10.04	15.28	23.21	34.63	53.53	83.84	142.97
5.13	7.08	10.24	15.03	22.59	35.17	53.97	84.39	141.32
5.26	7.06	10.19	15.51	22.53	34.73	54.36	84.63	144.18
5.22	7.13	9.78	14.14	21.17	33.38	50.40	78.17	132.49
5.09	6.83	9.53	13.98	21.29	33.25	51.41	77.69	133.97
5.08	6.80	9.43	13.86	20.49	33.39	51.10	78.53	138.49
4.85	6.70	9.19	13.21	19.62	31.93	49.41	76.36	134.32
4.82	6.51	9.13	12.66	19.49	29.97	49.35	76.87	136.09
5.02	6.63	9.11	12.88	19.58	30.52	51.33	78.29	140.62
4.93	6.44	8.78	12.31	19.06	29.59	49.29	78.66	139.92

Table 15. Death rates

Year											
	All ages	0	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1983	4.00	7.55	0.94	0.36	0.31	0.50	0.70	0.80	0.83	1.36	1.99
1984	3.84	7.15	0.83	0.35	0.26	0.47	0.67	0.72	0.85	1.29	1.93
1985	3.91	6.87	0.88	0.30	0.28	0.45	0.65	0.72	0.92	1.27	1.82
1986	3.97	6.18	0.79	0.30	0.26	0.52	0.65	0.69	0.89	1.23	1.82
1987	3.96	5.10	0.72	0.33	0.26	0.54	0.63	0.71	0.90	1.19	1.76
1988	4.16	5.94	0.68	0.28	0.30	0.54	0.62	0.71	0.88	1.15	1.61
1989	4.12	5.90	0.74	0.29	0.32	0.55	0.64	0.76	0.91	1.23	1.71
1990	4.15	5.56	0.68	0.29	0.28	0.55	0.62	0.74	0.90	1.22	1.76
1991	4.12	5.07	0.64	0.27	0.26	0.49	0.58	0.70	0.84	1.18	1.56
1992	4.24	4.86	0.64	0.28	0.27	0.49	0.56	0.65	0.83	1.10	1.63
1993	4.20	4.88	0.64	0.26	0.27	0.49	0.60	0.68	0.85	1.11	1.62
1994	4.20	5.04	0.52	0.23	0.26	0.49	0.60	0.68	0.78	1.10	1.59
1995	4.40	6.69	0.53	0.22	0.27	0.49	0.60	0.62	0.84	1.07	1.62
1996	4.43	7.08	0.57	0.23	0.25	0.48	0.52	0.63	0.78	1.12	1.55
1997	4.35	6.75	0.56	0.22	0.24	0.46	0.46	0.59	0.74	1.07	1.51
1998	4.39	6.35	0.52	0.22	0.23	0.42	0.47	0.53	0.72	1.08	1.48
1999	4.51	6.45	0.52	0.29	0.29	0.43	0.49	0.57	0.75	1.06	1.49
2000	4.41	6.42	0.45	0.18	0.20	0.38	0.45	0.53	0.70	0.97	1.47
2001	4.43	5.76	0.38	0.17	0.17	0.39	0.43	0.46	0.66	0.97	1.40
2002	4.47	5.63	0.44	0.16	0.15	0.33	0.40	0.49	0.63	0.93	1.35
2003	4.57	5.31	0.37	0.18	0.17	0.33	0.39	0.47	0.65	0.92	1.29
2004	4.61	5.31	0.38	0.16	0.17	0.31	0.40	0.46	0.65	0.91	1.40
2005	4.72	5.15	0.35	0.15	0.16	0.35	0.44	0.53	0.70	0.91	1.29
2006	4.56	4.99	0.27	0.14	0.14	0.28	0.40	0.50	0.63	0.86	1.32
2007	4.76	4.83	0.27	0.15	0.11	0.25	0.38	0.48	0.60	0.81	1.25
2008	4.84	4.68	0.34	0.14	0.12	0.25	0.35	0.45	0.61	0.85	1.25
2009	4.85	4.27	0.29	0.17	0.13	0.27	0.35	0.48	0.57	0.77	1.27
2010	4.92	3.88	0.25	0.11	0.13	0.23	0.27	0.41	0.56	0.75	1.21
2011	5.13	4.79	0.28	0.11	0.12	0.24	0.30	0.37	0.56	0.79	1.13
2012	5.25	3.93	0.27	0.15	0.12	0.22	0.33	0.44	0.58	0.80	1.14

## by age and sex (continued)

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Female								
45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
3.35	4.92	8.24	12.98	22.74	37.54	64.51	105.09	189.31
3.14	4.68	7.76	12.42	21.67	35.35	60.92	96.71	174.17
2.93	4.66	7.43	12.11	20.50	35.70	60.55	99.31	176.57
2.90	4.52	6.95	12.07	21.11	35.88	60.23	98.14	174.83
2.70	4.38	6.81	11.56	20.10	35.72	57.89	97.84	171.68
2.84	4.56	6.72	11.53	19.75	35.28	60.34	103.22	184.05
5.80	4.12	6.45	11.04	19.83	33.96	57.80	97.42	168.27
2.56	4.04	6.53	10.71	18.93	32.82	59.15	92.89	168.98
2.65	4.15	6.21	10.51	17.84	31.42	56.30	92.10	164.68
2.62	3.88	6.14	10.38	17.63	31.65	56.82	93.34	169.78
2.59	3.84	6.31	10.08	16.96	29.38	51.88	88.04	162.29
2.46	3.86	6.13	9.72	16.13	28.56	51.18	83.17	159.97
2.42	3.73	6.05	9.87	16.58	29.10	51.26	85.94	161.84
2.41	3.85	5.99	9.78	15.94	27.84	49.54	85.03	159.14
2.29	3.58	5.58	9.18	15.82	25.82	46.88	81.60	152.87
2.17	3.52	5.53	9.33	15.79	25.57	43.72	79.09	152.51
2.24	3.46	5.60	9.20	14.99	26.16	43.13	76.52	152.32
2.15	3.24	5.42	8.35	14.25	24.29	41.99	72.81	146.55
2.07	3.18	5.49	8.32	13.88	23.98	39.91	70.46	144.19
1.98	3.08	4.97	8.04	13.73	23.54	39.00	69.19	141.40
1.98	3.11	4.91	8.01	13.69	23.14	38.78	66.54	141.42
2.01	3.03	4.51	7.68	12.99	22.05	36.22	67.71	138.67
1.95	3.02	4.61	7.34	12.46	21.50	36.88	64.51	138.59
1.81	2.89	4.49	7.10	11.62	20.14	34.33	58.76	124.38
1.89	2.82	4.27	6.99	11.59	19.73	33.91	59.68	130.54
1.88	2.64	3.96	6.71	10.89	19.41	33.30	58.80	130.72
1.77	2.63	4.04	6.48	10.65	18.22	32.03	56.36	125.67
1.80	2.58	3.92	6.00	9.77	17.54	31.34	56.48	126.05
1.70	2.69	3.74	5.93	9.83	17.24	31.44	56.13	127.82
1.81	2.50	3.66	5.94	9.93	16.81	30.69	54.71	125.95

Table 16. Life expectation

Year	Male								
	0	10	20	30	40	50	60	70	80
1983	69.90	60.97	51.47	42.24	33.12	24.57	16.71	10.16	5.50
1984	70.46	61.45	51.89	42.63	33.55	25.04	17.18	10.51	5.76
1985	70.82	61.79	52.24	42.99	33.85	25.26	17.37	10.65	5.83
1986	70.97	61.89	52.38	43.14	34.00	25.40	17.48	10.73	5.86
1987	71.09	61.91	52.49	43.27	34.12	25.53	17.62	10.82	5.90
1988	70.99	61.82	52.41	43.24	34.15	25.58	17.75	10.93	5.93
1989	71.10	61.91	52.49	43.31	34.24	25.72	17.88	11.04	6.05
1990	71.33	62.11	52.63	43.41	34.35	25.76	17.93	11.11	6.12
1991	71.83	62.58	53.06	43.86	34.79	26.19	18.36	11.49	6.41
1992	71.78	62.54	53.02	43.78	34.71	26.09	18.25	11.41	6.27
1993	71.61	62.31	52.83	43.61	34.53	25.93	18.05	11.39	6.62
1994	71.81	62.54	53.04	43.77	34.72	26.15	18.33	11.50	6.47
1995	71.85	62.66	53.13	43.91	34.85	26.26	18.44	11.65	6.41
1996	72.38	63.18	53.62	44.34	35.30	26.73	19.01	12.34	7.17
1997	72.97	63.74	54.14	44.82	35.80	27.23	19.49	12.82	7.63
1998	73.12	63.95	54.35	45.01	35.96	27.40	19.59	12.89	7.71
1999	73.33	64.16	54.54	45.17	36.10	27.53	19.70	13.02	7.83
2000	73.83	64.57	54.90	45.51	36.41	27.85	19.99	13.26	8.02
2001	74.07	64.80	55.11	45.67	36.55	27.95	20.09	13.37	8.14
2002	74.58	65.23	55.50	46.06	36.92	28.30	20.37	13.58	8.30
2003	74.77	65.37	55.63	46.16	37.04	28.42	20.47	13.65	8.33
2004	74.68	65.32	55.60	46.13	37.02	28.44	20.52	13.64	8.35
2005	74.50	65.11	55.38	45.96	36.90	28.36	20.42	13.59	8.27
2006	74.86	65.47	55.74	46.29	37.25	28.77	20.89	13.97	8.63
2007	75.46	66.04	56.26	46.74	37.60	29.06	21.08	14.09	8.73
2008	75.59	66.14	56.35	46.80	37.64	29.09	21.09	14.04	8.59
2009	76.03	66.53	56.74	47.17	38.00	29.41	21.40	14.28	8.78
2010	76.13	66.64	56.85	47.27	38.03	29.42	21.39	14.21	8.66
2011 r	75.96	66.47	56.67	47.09	37.88	29.30	21.26	14.06	8.53
2012 p	76.16	...	...	...	...	...	...	...	...

Notes : 1.Data do not include Kinmen County and Lienchiang County before 1992.  
2.The figures apply new calculating methods in 2005, and revised the data since 1996.





Table 17. Live births by age of mother

Year	By age of Mother					
	Total	under 15	15-19	20-24	25-29	30-34
1983	382 153	326	24 268	149 280	155 148	45 833
1984	369 725	322	21 252	141 305	152 914	46 496
1985	345 053	271	18 013	126 990	146 088	46 217
1986	308 187	295	16 124	109 476	130 736	43 769
1987	313 062	239	14 524	105 173	138 166	46 352
1988	341 054	263	14 673	105 537	155 487	54 638
1989	314 553	264	14 404	92 718	140 540	54 973
1990	334 872	310	14 603	93 400	152 142	61 598
1991	321 276	281	14 652	85 403	143 737	62 985
1992	321 632	223	15 009	82 798	141 337	66 891
1993	325 613	318	15 724	81 667	140 108	71 025
1994	322 938	336	15 725	76 825	136 939	75 184
1995	329 581	355	16 315	75 889	137 720	79 099
1996	325 545	319	16 286	73 308	133 009	81 142
1997	326 002	280	14 810	72 270	132 751	83 243
1998	271 450	212	13 303	61 256	104 894	69 630
1999	283 661	180	12 286	62 099	111 251	75 614
2000	305 312	162	12 844	69 037	115 813	82 286
2001	260 354	190	11 755	60 485	95 039	69 688
2002	247 530	129	10 562	56 210	92 281	66 441
2003	227 070	116	8 686	50 342	84 737	61 830
2004	216 419	102	7 524	46 190	81 224	60 089
2005	205 854	90	6 484	40 308	76 913	59 561
2006	204 459	83	4 941	36 262	76 525	62 926
2007	204 414	54	4 382	30 985	75 669	68 122
2008	198 733	42	3 817	26 214	72 361	69 720
2009	191 310	35	3 142	21 415	67 334	71 996
2010	166 886	43	2 769	17 323	52 457	65 747
2011	196 627	28	2 820	17 686	59 861	81 475
2012	229 481	34	3 033	19 629	66 550	96 926

Notes : 1.All figures were based on registration.

2.Data do not include Kinmen County and Lienchiang County before 1992.

**and number of births**

(persons)				Number of births (%)		
35-39	40-44	45-49	50+	Legitimate	Illegitimate	Abandoned
5 981	1 188	107	22	98.32	1.62	0.07
6 290	1 021	88	37	98.14	1.78	0.08
6 475	899	75	25	98.13	1.79	0.08
6 868	795	78	46	98.02	1.90	0.08
7 781	745	60	22	97.99	1.91	0.10
9 599	767	60	30	98.00	1.90	0.11
10 645	938	52	19	97.69	2.20	0.12
11 658	1 076	57	28	97.79	2.07	0.14
12 886	1 254	50	28	97.61	2.26	0.13
13 899	1 409	46	20	97.70	2.21	0.10
15 100	1 592	50	29	97.68	2.25	0.07
16 103	1 762	42	22	97.67	2.27	0.06
18 108	1 996	65	34	97.16	2.78	0.05
19 220	2 155	80	26	97.12	2.84	0.04
20 345	2 202	88	13	97.05	2.92	0.03
19 818	2 212	77	48	96.55	3.42	0.03
19 763	2 340	88	40	96.77	3.20	0.03
22 314	2 704	116	36	96.72	3.26	0.02
20 485	2 544	101	67	96.35	3.62	0.02
19 318	2 482	82	25	96.36	3.61	0.03
18 680	2 584	75	20	96.44	3.54	0.03
18 617	2 566	74	33	96.33	3.64	0.03
19 770	2 618	87	23	95.98	4.01	0.02
20 811	2 801	91	19	95.80	4.19	0.02
22 247	2 853	95	7	95.58	4.39	0.03
23 338	3 131	102	8	95.86	4.12	0.02
23 988	3 289	108	3	96.07	3.91	0.02
24 816	3 597	119	15	95.47	4.51	0.02
30 324	4 290	129	14	96.20	3.79	0.01
37 906	5 248	147	8	96.40	3.60	0.01

Table 18. Household appliances

End of Year	Color T. V. set	DVD player <sup>1</sup>	Air conditioner	Washing machine	Cable T.V. <sup>2</sup>
1983	87.79	-	19.72	73.68	-
1984	90.41	-	22.91	75.49	-
1985	92.31	-	23.95	77.84	-
1986	94.42	-	25.45	79.49	-
1987	95.78	-	28.66	81.33	-
1988	97.34	-	34.29	83.97	-
1989	97.80	-	41.74	86.82	-
1990	98.26	-	47.26	88.79	-
1991	99.16	1.71	52.37	89.53	-
1992	99.30	2.41	56.14	90.38	-
1993	99.25	3.20	60.69	91.51	-
1994	99.36	4.02	64.01	92.31	43.37
1995	99.29	4.21	67.08	92.83	54.15
1996	99.32	5.11	71.65	93.00	59.57
1997	99.47	5.72	73.83	93.99	65.97
1998	99.17	6.36	76.20	93.86	68.09
1999	99.31	7.25	78.89	94.74	67.87
2000	99.45	13.47	79.46	95.36	71.96
2001	99.29	22.49	80.54	95.05	72.34
2002	99.56	32.86	83.13	95.96	74.81
2003	99.51	40.11	84.53	96.56	76.12
2004	99.47	45.99	85.71	96.91	78.53
2005	99.46	48.60	85.69	96.70	79.02
2006	99.55	53.53	87.48	97.05	79.82
2007	99.37	52.68	87.64	97.45	79.93
2008	99.39	44.11	87.55	97.26	81.65
2009	99.56	42.18	88.35	97.43	81.97
2010	99.41	39.36	89.05	97.76	82.98
2011	99.24	37.67	88.75	97.63	82.92
2012	99.27	34.34	89.89	98.07	83.23

Notes : <sup>1</sup> DVD player is Laser-disk player before 1999.

<sup>2</sup> Cable T.V. includes MOD since 2008.

## saturation

						%
Geysers	Movies Camera	Telephone	Automobile	Motorcycle	Personal computer	
60.48	0.75	74.35	9.30	70.26	1.46	
64.96	0.68	79.63	10.38	70.55	1.94	
68.09	0.67	82.12	11.91	71.87	2.32	
72.19	0.75	85.25	13.63	72.83	2.92	
76.51	0.79	87.20	15.54	73.80	3.55	
80.51	1.09	89.11	19.21	75.25	3.95	
83.49	1.53	91.51	24.90	76.83	5.42	
87.06	2.29	93.08	29.07	77.51	6.77	
90.80	3.16	94.75	33.67	79.20	9.57	
91.81	4.41	95.13	38.94	78.49	11.76	
93.13	4.72	96.00	41.05	79.49	13.56	
93.93	5.64	96.53	45.54	80.78	15.29	
94.43	5.95	96.70	47.95	79.88	18.54	
91.04	7.22	97.49	51.16	80.82	22.56	
92.41	8.19	97.54	53.79	80.19	28.39	
92.32	7.97	97.63	54.52	80.00	32.31	
93.71	8.77	98.00	54.33	79.18	38.92	
94.49	8.57	98.04	55.58	79.37	46.49	
93.94	8.87	97.79	55.63	79.65	50.86	
95.61	9.43	97.88	58.16	80.99	56.80	
95.86	9.48	97.80	57.43	81.02	58.74	
96.69	10.26	97.56	58.04	80.78	62.37	
96.23	9.75	97.55	58.38	80.85	63.15	
96.81	9.57	97.36	59.10	81.70	66.12	
97.22	8.71	96.69	58.69	82.98	67.13	
96.95	7.92	96.00	58.37	82.22	69.27	
97.29	8.64	95.88	59.18	82.87	70.51	
97.11	8.22	95.72	57.78	82.25	71.32	
97.80	7.96	96.06	59.11	82.97	71.93	
98.55	6.98	94.76	58.41	83.12	72.31	

Table 19. Population projections (2012-2060)

Year	Population (Thousand persons)			Age-specific distribution (%)			Dependency ratio (%)	
	Both sexes	Male	Female	0-14	15-64	65+	Young	Old
2012	23 318	11 675	11 643	14.6	74.2	11.2	19.7	15.0
2013	23 381	11 689	11 692	14.3	74.1	11.5	19.3	15.6
2014	23 429	11 696	11 733	13.9	74.1	12.0	18.8	16.2
2015	23 470	11 700	11 769	13.4	74.0	12.5	18.1	17.0
2016	23 507	11 703	11 804	13.1	73.6	13.3	17.8	18.0
2017	23 540	11 705	11 836	12.9	73.2	13.9	17.6	19.1
2018	23 569	11 704	11 865	12.7	72.7	14.6	17.5	20.1
2019	23 594	11 702	11 891	12.6	72.1	15.4	17.4	21.3
2020	23 614	11 699	11 915	12.5	71.4	16.1	17.5	22.6
2021	23 631	11 694	11 937	12.4	70.7	16.9	17.5	23.9
2022	23 644	11 687	11 956	12.3	70.0	17.6	17.6	25.2
2023	23 652	11 680	11 973	12.3	69.3	18.4	17.7	26.6
2024	23 656	11 670	11 986	12.3	68.5	19.2	17.9	28.0
2025	23 656	11 658	11 998	12.3	67.6	20.0	18.2	29.6
2026	23 651	11 645	12 006	12.3	66.9	20.8	18.4	31.1
2028	23 625	11 610	12 014	12.1	65.5	22.4	18.4	34.2
2032	23 479	11 497	11 982	11.9	62.8	25.3	19.0	40.3
2036	23 177	11 309	11 868	11.6	60.5	27.9	19.1	46.1
2040	22 712	11 043	11 669	11.0	58.9	30.1	18.6	51.2
2044	22 106	10 715	11 391	10.3	56.7	33.0	18.1	58.1
2048	21 393	10 345	11 048	9.7	54.7	35.6	17.8	65.1
2052	20 607	9 950	10 657	9.5	53.5	36.9	17.8	68.9
2056	19 775	9 539	10 235	9.6	52.2	38.2	18.4	73.1
2060	18 918	9 122	9 796	9.8	50.7	39.4	19.4	77.7

Notes : Data are based on the population at the end of year, and adopted medium projection.

## MANPOWER

This chapter is concerned with labor force, employment, labor productivity, occupational injuries, labor disputes and labor unions. The first three kinds of 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*. Data on occupational injuries, labor disputes and labor unions come from the official statistics compiled by the Council of Labor Affairs (CLA) and incorporated in the *Yearbook of Labor Statistic* published by CLA.

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 8th revision of Standard Industrial Classification of the Republic of China.

Labor force -- It is defined as those civilians who, during the reference week, are 15 years of age or over and who are available to work, including both the employed and the unemployed. The employed population comprise all the persons who, during the reference week, work for pay or work for 15 hours or more as unpaid family workers. The unemployed population comprise all the persons who, during the reference week, are 15 years of age or over and under the following conditions: (1) jobless, (2) available to work, (3) seeking a job or waiting for results after job seeking. Besides, the unemployed population also includes the persons who are waiting to recall or start a new job but not working and paid yet.

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

Number of Employees -- The employees refer to those on payroll at the end of a month, including full-time and part-time workers, permanent workers, temporary workers under projects, contract workers, students working under cooperation programs between industries and schools (excluding those who do not work for a full month), and apprentices with pay. Also included those who are temporarily on leave, such as going abroad on official trip, training, transfer, military training, education, illness, vacation, marriage, and child delivery. However, excluded are: (1) employers participating the operation without pay, own-account workers, and unpaid family workers, (2) members of boards of directors, supervisors and advisors not actually participating the operation, (3) those drafted for military service with partial pay, without participating in operation for the entire month, (4) contracted workers outside the factories and paid by piece of work.

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.

Productivity -- The productivity data can be classified into labor productivity, capital productivity, and multi-factor productivity. This chapter includes only the labor productivity measured by value of output which is specifically defined as the real value of output produced by an employee within a unit of time. It is derived by dividing the total input into the total output. The real gross domestic product (GDP) as shown in the national income product account (NIPA) is the output while the working hours of an employee, derived jointly from the manpower resource survey and the employees' earnings survey, are the input. Information and compilation methods for labor productivity measured by quantum of output and multi-factor productivity, please see the *Trends in Labor Productivity* and the *Trends in Multi-factor Productivity* all published by the Directorate-General of Budget, Accounting and Statistics, Executive Yuan.

Labor Union -- The number of labor unions refers to the total of labor union federation, industrial labor unions, and trade (occupational labor) unions. The industrial labor union refers to a union organized within an industry and composed of workers of different occupations. The trade union refers to a labor union organized by workers of a specific occupation. The labor union federation refers to an organization formed by several industrial labor unions and/or trade unions. For information on operation and activities of labor unions, please refer to the *Yearbook of Labor Statistics* published by the Council of Labor Affairs.



Table 20. Important labor force status

Thousands

Year	Total population	Persons aged 15 years and over		Labor force						Not in labor force	
				Total		Employed		Unemployed			
		Both sexes	Female	Both sexes	Female	Both sexes	Female	Both sexes	Female	Both sexes	Female
Ave. 1983	18 603	12 263	6 126	7 266	2 580	7 070	2 509	197	71	4 996	3 546
Ave. 1984	18 865	12 544	6 267	7 491	2 713	7 308	2 647	183	67	5 052	3 553
Ave. 1985	19 132	12 860	6 420	7 651	2 790	7 428	2 709	222	81	5 210	3 630
Ave. 1986	19 363	13 161	6 565	7 945	2 988	7 733	2 912	212	75	5 216	3 577
Ave. 1987	19 559	13 432	6 700	8 183	3 118	8 022	3 057	161	61	5 248	3 581
Ave. 1988	19 781	13 696	6 840	8 247	3 116	8 107	3 064	139	52	5 449	3 724
Ave. 1989	20 008	13 955	6 966	8 390	3 159	8 258	3 110	132	49	5 565	3 807
Ave. 1990	20 233	14 219	7 102	8 423	3 160	8 283	3 108	140	52	5 795	3 942
Ave. 1991	20 456	14 496	7 240	8 569	3 214	8 439	3 165	130	49	5 927	4 026
Ave. 1992	20 652	14 771	7 370	8 765	3 304	8 632	3 252	132	52	6 006	4 066
Ave. 1993	20 841	15 087	7 522	8 874	3 377	8 745	3 323	128	54	6 213	4 145
Ave. 1994	21 037	15 401	7 677	9 081	3 485	8 939	3 428	142	58	6 321	4 191
Ave. 1995	21 217	15 687	7 832	9 210	3 551	9 045	3 487	165	64	6 478	4 281
Ave. 1996	21 383	15 932	7 972	9 310	3 648	9 068	3 560	242	88	6 621	4 324
Ave. 1997	21 569	16 170	8 109	9 432	3 701	9 176	3 613	256	88	6 738	4 407
Ave. 1998	21 784	16 448	8 260	9 546	3 767	9 289	3 679	257	88	6 902	4 493
Ave. 1999	21 957	16 687	8 376	9 668	3 856	9 385	3 761	283	95	7 020	4 521
Ave. 2000	22 126	16 963	8 511	9 784	3 917	9 491	3 821	293	95	7 178	4 594
Ave. 2001	22 281	17 179	8 628	9 832	3 977	9 383	3 830	450	148	7 347	4 651
Ave. 2002	22 397	17 387	8 745	9 969	4 074	9 454	3 907	515	167	7 417	4 671
Ave. 2003	22 493	17 572	8 849	10 076	4 172	9 573	3 994	503	177	7 495	4 677
Ave. 2004	22 574	17 760	8 954	10 240	4 272	9 786	4 106	454	166	7 520	4 682
Ave. 2005	22 651	17 949	9 058	10 371	4 359	9 942	4 190	428	169	7 578	4 700
Ave. 2006	22 738	18 166	9 175	10 522	4 467	10 111	4 301	411	166	7 644	4 708
Ave. 2007	22 821	18 392	9 297	10 713	4 597	10 294	4 426	419	171	7 679	4 700
Ave. 2008	22 905	18 623	9 422	10 853	4 680	10 403	4 501	450	179	7 770	4 742
Ave. 2009	22 977	18 855	9 547	10 917	4 737	10 279	4 502	639	235	7 937	4 810
Ave. 2010	23 036	19 062	9 678	11 070	4 828	10 493	4 613	577	215	7 992	4 849
Ave. 2011	23 077	19 253	9 798	11 200	4 896	10 709	4 702	491	194	8 053	4 901
Ave. 2012	23 148	19 436	9 906	11 341	4 972	10 860	4 777	481	195	8 096	4 934

Table 21. Important indicators of labor force status

%

Year	Labor force				Labor force participation rate of 65 years & over	Employed			Percent of unemployed to labor force
	Percent of total Population	Labor force participation rate				Percent of total population	Percent of persons 15 years & over	Percent of labor force	
		Both sexes	Male	Female					
Ave. 1983	39.06	59.26	76.36	42.12	9.11	38.00	57.65	97.29	2.71
Ave. 1984	39.71	59.72	76.11	43.30	9.07	38.74	58.26	97.55	2.45
Ave. 1985	39.99	59.49	75.47	43.46	9.74	38.83	57.76	97.09	2.91
Ave. 1986	41.03	60.37	75.15	45.51	10.53	39.94	58.76	97.34	2.66
Ave. 1987	41.84	60.93	75.24	46.54	10.59	41.02	59.73	98.03	1.97
Ave. 1988	41.69	60.21	74.83	45.56	9.64	40.99	59.19	98.31	1.69
Ave. 1989	41.93	60.12	74.84	45.35	10.34	41.27	59.18	98.43	1.57
Ave. 1990	41.63	59.24	73.96	44.50	9.77	40.94	58.25	98.33	1.67
Ave. 1991	41.89	59.11	73.80	44.39	9.93	41.25	58.22	98.49	1.51
Ave. 1992	42.44	59.34	73.78	44.83	9.69	41.80	58.44	98.49	1.51
Ave. 1993	42.58	58.82	72.67	44.89	9.83	41.96	57.97	98.55	1.45
Ave. 1994	43.17	58.96	72.44	45.40	9.68	42.49	58.04	98.44	1.56
Ave. 1995	43.41	58.71	72.03	45.34	9.79	42.63	57.66	98.21	1.79
Ave. 1996	43.54	58.44	71.13	45.76	8.95	42.41	56.92	97.40	2.60
Ave. 1997	43.73	58.33	71.09	45.64	8.76	42.54	56.74	97.28	2.72
Ave. 1998	43.82	58.04	70.58	45.60	8.51	42.64	56.48	97.31	2.69
Ave. 1999	44.03	57.93	69.93	46.03	7.92	42.74	56.24	97.08	2.92
Ave. 2000	44.22	57.68	69.42	46.02	7.71	42.90	55.95	97.01	2.99
Ave. 2001	44.13	57.23	68.47	46.10	7.39	42.11	54.62	95.43	4.57
Ave. 2002	44.51	57.34	68.22	46.59	7.79	42.21	54.38	94.83	5.17
Ave. 2003	44.80	57.34	67.69	47.14	7.78	42.56	54.48	95.01	4.99
Ave. 2004	45.36	57.66	67.78	47.71	7.42	43.35	55.10	95.56	4.44
Ave. 2005	45.78	57.78	67.62	48.12	7.27	43.89	55.39	95.87	4.13
Ave. 2006	46.28	57.92	67.35	48.68	7.58	44.47	55.66	96.09	3.91
Ave. 2007	46.94	58.25	67.24	49.44	8.13	45.11	55.97	96.09	3.91
Ave. 2008	47.38	58.28	67.09	49.67	8.10	45.42	55.86	95.86	4.14
Ave. 2009	47.51	57.90	66.40	49.62	8.05	44.73	54.51	94.15	5.85
Ave. 2010	48.06	58.07	66.51	49.89	8.09	45.55	55.05	94.79	5.21
Ave. 2011	48.53	58.17	66.67	49.97	7.93	46.41	55.62	95.61	4.39
Ave. 2012	48.99	58.35	66.83	50.19	8.10	46.92	55.88	95.76	4.24

**Table 22. Persons not in the labor force by reason for nonparticipation**

Thousand persons

Year	Total	Intend and be available to work but not seeking	Attending school or rebrushing to take entrance exams	Housekeeping	Old age or disable	Others
Ave. 1983	4 996	77	1 337	2 482	805	296
Ave. 1984	5 052	77	1 383	2 452	842	298
Ave. 1985	5 210	86	1 426	2 491	885	322
Ave. 1986	5 216	90	1 448	2 418	914	346
Ave. 1987	5 248	80	1 488	2 391	953	336
Ave. 1988	5 449	75	1 561	2 460	1 015	338
Ave. 1989	5 565	75	1 588	2 513	1 051	338
Ave. 1990	5 795	85	1 662	2 597	1 100	351
Ave. 1991	5 927	85	1 721	2 636	1 155	329
Ave. 1992	6 006	68	1 778	2 606	1 220	335
Ave. 1993	6 213	84	1 890	2 596	1 304	338
Ave. 1994	6 321	86	1 909	2 611	1 368	347
Ave. 1995	6 478	107	1 951	2 624	1 438	357
Ave. 1996	6 621	119	2 003	2 595	1 527	376
Ave. 1997	6 738	107	2 059	2 607	1 592	373
Ave. 1998	6 902	115	2 089	2 642	1 656	399
Ave. 1999	7 020	142	2 090	2 639	1 704	444
Ave. 2000	7 178	147	2 129	2 673	1 766	463
Ave. 2001	7 347	201	2 156	2 673	1 831	486
Ave. 2002	7 417	225	2 139	2 672	1 865	517
Ave. 2003	7 495	229	2 154	2 634	1 921	558
Ave. 2004	7 520	230	2 147	2 567	1 994	580
Ave. 2005	7 578	209	2 155	2 523	2 075	616
Ave. 2006	7 644	198	2 190	2 445	2 121	691
Ave. 2007	7 679	191	2 187	2 386	2 146	769
Ave. 2008	7 770	168	2 178	2 376	2 211	838
Ave. 2009	7 937	177	2 197	2 366	2 305	893
Ave. 2010	7 992	161	2 167	2 364	2 350	950
Ave. 2011	8 053	152	2 168	2 395	2 369	969
Ave. 2012	8 096	150	2 159	2 406	2 405	975

Table 23. Labor force

Year	Number (Thousands)											
	All ages	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Ave. 1983	7 266	716	1 043	1 266	1 091	685	671	569	520	411	218	76
Ave. 1984	7 491	671	1 064	1 314	1 166	740	688	588	521	431	228	80
Ave. 1985	7 651	633	1 057	1 341	1 226	825	678	604	515	440	240	92
Ave. 1986	7 945	620	1 083	1 383	1 289	954	670	633	515	447	246	106
Ave. 1987	8 183	587	1 096	1 421	1 332	1 067	678	650	520	454	267	112
Ave. 1988	8 247	525	1 058	1 449	1 348	1 140	701	659	526	454	279	108
Ave. 1989	8 390	492	1 046	1 471	1 372	1 199	750	662	535	448	293	121
Ave. 1990	8 423	432	1 016	1 478	1 396	1 252	808	654	541	431	294	120
Ave. 1991	8 569	405	1 005	1 482	1 406	1 296	930	626	561	425	305	129
Ave. 1992	8 765	377	999	1 484	1 444	1 342	1 038	637	576	429	307	132
Ave. 1993	8 874	357	984	1 456	1 469	1 367	1 123	659	581	432	305	142
Ave. 1994	9 081	381	979	1 450	1 492	1 399	1 207	706	588	435	295	147
Ave. 1995	9 210	378	948	1 446	1 497	1 427	1 263	784	570	445	295	156
Ave. 1996	9 310	365	928	1 440	1 505	1 448	1 311	887	544	451	283	149
Ave. 1997	9 432	349	933	1 429	1 498	1 471	1 333	987	542	455	285	150
Ave. 1998	9 546	312	947	1 432	1 493	1 501	1 357	1 054	575	449	277	151
Ave. 1999	9 668	303	985	1 422	1 483	1 509	1 382	1 108	622	434	276	144
Ave. 2000	9 784	280	1 003	1 422	1 481	1 520	1 410	1 164	671	419	270	145
Ave. 2001	9 832	246	1 001	1 412	1 475	1 531	1 420	1 211	732	396	265	143
Ave. 2002	9 969	223	992	1 452	1 476	1 519	1 448	1 222	820	395	268	155
Ave. 2003	10 076	192	952	1 482	1 469	1 509	1 478	1 260	895	407	273	160
Ave. 2004	10 240	175	934	1 538	1 458	1 510	1 501	1 303	955	439	271	156
Ave. 2005	10 371	164	892	1 595	1 452	1 508	1 511	1 338	1 010	485	258	158
Ave. 2006	10 522	154	851	1 636	1 479	1 514	1 529	1 352	1 049	548	241	170
Ave. 2007	10 713	155	819	1 640	1 528	1 511	1 533	1 384	1 079	630	246	187
Ave. 2008	10 853	154	777	1 650	1 569	1 512	1 519	1 425	1 107	693	256	191
Ave. 2009	10 917	139	736	1 639	1 628	1 503	1 508	1 441	1 130	723	276	194
Ave. 2010	11 070	141	732	1 614	1 676	1 494	1 515	1 458	1 156	775	310	199
Ave. 2011	11 200	138	733	1 570	1 712	1 496	1 520	1 468	1 194	819	353	197
Ave. 2012	11 341	136	758	1 522	1 718	1 534	1 522	1 472	1 226	847	401	206

## by age

Structure (%)											
All ages	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
100.00	9.85	14.36	17.42	15.01	9.42	9.23	7.84	7.16	5.66	3.00	1.04
100.00	8.96	14.21	17.53	15.56	9.88	9.19	7.85	6.95	5.76	3.05	1.07
100.00	8.28	13.82	17.53	16.02	10.79	8.86	7.90	6.73	5.75	3.13	1.20
100.00	7.80	13.64	17.40	16.22	12.00	8.43	7.97	6.48	5.62	3.10	1.33
100.00	7.17	13.39	17.37	16.27	13.04	8.28	7.94	6.36	5.54	3.26	1.37
100.00	6.37	12.83	17.57	16.34	13.82	8.50	7.99	6.38	5.51	3.38	1.30
100.00	5.86	12.47	17.54	16.36	14.30	8.94	7.89	6.38	5.34	3.49	1.44
100.00	5.13	12.07	17.55	16.57	14.87	9.60	7.77	6.43	5.11	3.49	1.42
100.00	4.73	11.72	17.29	16.40	15.13	10.86	7.30	6.54	4.96	3.56	1.51
100.00	4.30	11.40	16.93	16.47	15.31	11.84	7.27	6.57	4.90	3.51	1.51
100.00	4.02	11.08	16.41	16.56	15.40	12.65	7.42	6.55	4.87	3.44	1.60
100.00	4.20	10.78	15.97	16.43	15.40	13.29	7.78	6.48	4.79	3.25	1.62
100.00	4.10	10.30	15.70	16.25	15.50	13.72	8.51	6.19	4.83	3.20	1.69
100.00	3.92	9.96	15.46	16.17	15.55	14.08	9.52	5.85	4.85	3.04	1.60
100.00	3.70	9.89	15.15	15.88	15.59	14.13	10.46	5.75	4.83	3.02	1.59
100.00	3.27	9.92	15.00	15.63	15.72	14.22	11.04	6.02	4.70	2.90	1.58
100.00	3.14	10.18	14.71	15.34	15.61	14.30	11.46	6.43	4.49	2.85	1.49
100.00	2.86	10.25	14.53	15.14	15.54	14.41	11.90	6.85	4.29	2.76	1.48
100.00	2.50	10.18	14.36	15.00	15.57	14.45	12.32	7.44	4.03	2.70	1.45
100.00	2.23	9.95	14.57	14.80	15.23	14.53	12.26	8.22	3.96	2.69	1.56
100.00	1.90	9.45	14.71	14.58	14.98	14.67	12.51	8.88	4.04	2.71	1.58
100.00	1.71	9.12	15.02	14.24	14.74	14.66	12.72	9.33	4.29	2.64	1.53
100.00	1.58	8.60	15.38	14.00	14.54	14.57	12.90	9.74	4.68	2.49	1.52
100.00	1.46	8.09	15.55	14.05	14.39	14.53	12.85	9.97	5.20	2.29	1.61
100.00	1.45	7.64	15.31	14.27	14.10	14.31	12.92	10.07	5.88	2.30	1.74
100.00	1.42	7.16	15.21	14.45	13.93	14.00	13.13	10.20	6.38	2.36	1.76
100.00	1.28	6.74	15.01	14.91	13.77	13.81	13.20	10.35	6.62	2.53	1.78
100.00	1.27	6.61	14.58	15.14	13.50	13.69	13.17	10.45	7.00	2.80	1.80
100.00	1.24	6.55	14.02	15.28	13.35	13.57	13.11	10.66	7.31	3.15	1.76
100.00	1.19	6.68	13.42	15.15	13.52	13.42	12.98	10.81	7.47	3.53	1.82

Table 24. Employed

Year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufacturing	Electricity, gas & water
Ave. 1989	8 258	1 066	24	2 796	35
Ave. 1990	8 283	1 064	20	2 653	36
Ave. 1991	8 439	1 093	19	2 598	37
Ave. 1992	8 632	1 065	18	2 585	37
Ave. 1993	8 745	1 005	19	2 483	36
Ave. 1994	8 939	976	18	2 485	36
Ave. 1995	9 045	954	15	2 449	36
Ave. 1996	9 068	918	14	2 422	35
Ave. 1997	9 176	878	13	2 570	35
Ave. 1998	9 289	822	12	2 611	35
Ave. 1999	9 385	776	11	2 603	35
Ave. 2000	9 491	740	11	2 655	36

  

Year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufactur- ing	Electricity & gas supply	Water supply & remediation services	Construc- tion	Wholesale & retail trade	Transpor- tation & storage
Ave. 2001	9 383	706	10	2 594	28	54	745	1 679	421
Ave. 2002	9 454	709	9	2 572	28	55	724	1 693	407
Ave. 2003	9 573	696	9	2 600	29	59	701	1 698	414
Ave. 2004	9 786	642	7	2 681	29	64	732	1 726	419
Ave. 2005	9 942	590	7	2 732	28	61	791	1 726	412
Ave. 2006	10 111	554	7	2 777	28	60	829	1 759	417
Ave. 2007	10 294	543	6	2 842	28	65	846	1 782	415
Ave. 2008	10 403	535	6	2 886	28	71	842	1 770	414
Ave. 2009	10 279	543	5	2 790	29	73	788	1 735	402
Ave. 2010	10 493	550	4	2 861	29	78	797	1 747	404
Ave. 2011	10 709	542	4	2 949	29	79	831	1 763	411
Ave. 2012	10 860	544	4	2 975	29	82	845	1 800	414

Notes : Figures are based on the 9th revised edition of R.O.C Standard Industrial Classification System from 2012.

## persons by industry

Thousand persons

Construction	Wholesale, retail & restaurant	Transportation, storage & communication	Finance, insurance & real estate	Business services	Social & personal services	Public administration
620	1 605	432	193	130	1 048	309
673	1 621	441	220	148	1 098	308
715	1 712	448	227	149	1 147	294
778	1 771	450	247	171	1 200	309
879	1 806	463	277	205	1 259	313
967	1 875	473	290	214	1 288	317
1 003	1 919	469	311	223	1 347	317
928	1 976	472	334	233	1 412	324
885	1 995	465	351	240	1 421	323
865	2 047	477	385	260	1 461	315
843	2 130	476	406	284	1 502	318
832	2 163	481	412	313	1 534	315

Accommodation & food services	Information & communication	Finance & insurance	Real estate	Professional, scientific & technical services	Support services	Public admin. & defence; compulsory social security	Education	Human health & social work services	Arts, entertainment & recreation	Other services
532	190	373	40	202	153	315	484	268	93	496
579	191	380	41	220	158	316	488	281	107	496
590	187	378	44	224	180	352	514	292	110	497
605	195	390	55	234	183	357	538	303	114	510
634	199	406	61	258	194	336	556	323	116	513
665	209	407	66	264	205	334	563	334	111	524
681	206	404	74	301	215	332	588	340	101	523
687	203	411	74	317	231	343	605	355	98	528
693	207	413	68	315	232	382	613	368	96	527
727	208	428	75	325	236	389	619	386	98	532
728	218	428	87	339	247	388	629	408	94	536
750	228	426	90	342	260	384	630	420	95	541

Table 25. Employed

Year	Number (Thousands)							
	Total	Legislators, government administrators, business executives & managers	Professionals	Technicians & associate professionals	Clerks	Service workers & shop & market sales workers	Agricultural, animal husbandry forestry & fishing workers	Prod. & machine operators & related workers
Ave. 1989	8 258	371	395	863	650	1 397	1 053	3 530
Ave. 1990	8 283	391	427	963	661	1 383	1 054	3 405
Ave. 1991	8 439	408	434	1 019	698	1 410	1 082	3 387
Ave. 1992	8 632	432	462	1 088	732	1 440	1 055	3 424
Ave. 1993	8 745	441	485	1 231	806	1 405	995	3 382
Ave. 1994	8 939	436	479	1 296	839	1 438	965	3 486
Ave. 1995	9 045	436	500	1 338	877	1 479	942	3 473
Ave. 1996	9 068	429	542	1 376	922	1 530	906	3 362
Ave. 1997	9 176	420	560	1 426	938	1 550	865	3 416
Ave. 1998	9 289	425	578	1 498	955	1 597	810	3 426
Ave. 1999	9 385	414	601	1 571	995	1 667	764	3 373
Ave. 2000	9 491	412	610	1 591	1 027	1 712	726	3 413
Year	Number (Thousands)							
	Total	Legislators, senior officials & managers	Professionals	Technicians & associate professionals	Clerical support workers	Service & sales workers	Skilled agricultural, forestry & fishery workers	Craft & machine operation related workers
Ave. 2001	9 383	405	732	1 450	1 001	1 828	675	3 292
Ave. 2002	9 454	423	761	1 534	1 014	1 858	676	3 188
Ave. 2003	9 573	426	796	1 585	1 031	1 886	660	3 189
Ave. 2004	9 786	447	858	1 621	1 071	1 926	608	3 255
Ave. 2005	9 942	448	960	1 658	1 091	1 946	558	3 280
Ave. 2006	10 111	452	998	1 761	1 094	2 004	522	3 280
Ave. 2007	10 294	463	1 031	1 844	1 086	2 049	512	3 309
Ave. 2008	10 403	463	1 098	1 921	1 076	2 040	500	3 305
Ave. 2009	10 279	444	1 100	1 977	1 088	2 014	506	3 149
Ave. 2010	10 493	443	1 116	1 995	1 153	2 069	512	3 204
Ave. 2011	10 709	435	1 195	1 957	1 188	2 086	496	3 352
Ave. 2012	10 860	422	1 244	1 950	1 222	2 119	495	3 408

Notes : Figures are based on the 6th revised edition of R.O.C Standard Occupational Classification System from 2001.



## persons by occupation

Structure (%)							
Total	Legislators, government administrators, business executives & managers	Professionals	Technicians & associate professionals	Clerks	Service workers & shop & market sales workers	Agricultural, animal husbandry forestry & fishing workers	Prod. & machine operators & related workers
100.00	4.49	4.78	10.45	7.88	16.92	12.75	42.74
100.00	4.72	5.15	11.63	7.98	16.69	12.73	41.11
100.00	4.84	5.15	12.08	8.27	16.71	12.82	40.14
100.00	5.00	5.35	12.60	8.48	16.68	12.22	39.66
100.00	5.04	5.54	14.08	9.22	16.06	11.38	38.67
100.00	4.88	5.35	14.50	9.39	16.09	10.80	39.00
100.00	4.82	5.53	14.79	9.70	16.35	10.41	38.40
100.00	4.73	5.98	15.18	10.17	16.87	10.00	37.08
100.00	4.58	6.10	15.54	10.22	16.89	9.43	37.23
100.00	4.57	6.22	16.13	10.28	17.20	8.72	36.88
100.00	4.42	6.41	16.74	10.61	17.76	8.14	35.94
100.00	4.34	6.43	16.77	10.82	18.04	7.65	35.96

Structure (%)							
Total	Legislators, senior officials & managers	Professionals	Technicians & associate professionals	Clerical support workers	Service & sales workers	Skilled agricultural, forestry & fishery workers	Craft & machine operation related workers
100.00	4.31	7.81	15.45	10.67	19.49	7.19	35.08
100.00	4.47	8.05	16.22	10.72	19.65	7.15	33.72
100.00	4.45	8.32	16.55	10.77	19.70	6.90	33.31
100.00	4.57	8.77	16.56	10.94	19.68	6.21	33.27
100.00	4.51	9.66	16.68	10.97	19.58	5.61	32.99
100.00	4.47	9.87	17.41	10.82	19.82	5.16	32.44
100.00	4.49	10.02	17.92	10.55	19.90	4.98	32.15
100.00	4.45	10.56	18.47	10.34	19.61	4.80	31.77
100.00	4.32	10.70	19.23	10.59	19.60	4.93	30.64
100.00	4.22	10.64	19.01	10.99	19.72	4.88	30.54
100.00	4.06	11.16	18.27	11.09	19.48	4.63	31.30
100.00	3.89	11.46	17.96	11.25	19.51	4.55	31.38

Table 26. Employed

Year	Number (Thousand persons)						
	Total	Employers	Own-account workers	Unpaid family workers	Paid employees		
					Sub-total	Private	Government
Ave. 1983	7 070	283	1 492	783	4 511	3 647	864
Ave. 1984	7 308	298	1 513	787	4 709	3 851	858
Ave. 1985	7 428	319	1 544	804	4 761	3 896	865
Ave. 1986	7 733	331	1 563	840	4 999	4 081	919
Ave. 1987	8 022	342	1 537	794	5 350	4 415	935
Ave. 1988	8 107	365	1 534	772	5 436	4 498	938
Ave. 1989	8 258	381	1 552	759	5 567	4 624	943
Ave. 1990	8 283	399	1 543	744	5 597	4 641	956
Ave. 1991	8 439	431	1 572	770	5 666	4 700	966
Ave. 1992	8 632	437	1 572	768	5 856	4 854	1 002
Ave. 1993	8 745	455	1 539	743	6 008	4 981	1 028
Ave. 1994	8 939	471	1 542	766	6 160	5 159	1 001
Ave. 1995	9 045	480	1 537	767	6 260	5 257	1 003
Ave. 1996	9 068	485	1 538	758	6 287	5 259	1 027
Ave. 1997	9 176	506	1 515	731	6 423	5 400	1 023
Ave. 1998	9 289	506	1 512	715	6 555	5 580	975
Ave. 1999	9 385	511	1 523	726	6 624	5 663	961
Ave. 2000	9 491	513	1 523	710	6 746	5 790	955
Ave. 2001	9 383	492	1 483	681	6 727	5 766	961
Ave. 2002	9 454	492	1 496	695	6 771	5 825	946
Ave. 2003	9 573	496	1 484	695	6 898	5 910	988
Ave. 2004	9 786	510	1 458	686	7 131	6 137	994
Ave. 2005	9 942	503	1 438	666	7 336	6 374	961
Ave. 2006	10 111	517	1 406	647	7 542	6 608	934
Ave. 2007	10 294	523	1 396	641	7 735	6 803	932
Ave. 2008	10 403	508	1 374	619	7 902	6 945	958
Ave. 2009	10 279	470	1 331	588	7 889	6 850	1 040
Ave. 2010	10 493	475	1 329	585	8 104	7 055	1 049
Ave. 2011	10 709	480	1 323	577	8 328	7 291	1 038
Ave. 2012	10 860	476	1 319	570	8 495	7 468	1 027

## persons by class of workers

Structure (%)							
Total	Employers	Own-account workers	Unpaid family workers	Paid employees			
				Sub-total	Private	Government	
100.00	4.00	21.11	11.08	63.81	51.59	12.22	
100.00	4.08	20.71	10.77	64.44	52.70	11.74	
100.00	4.29	20.79	10.82	64.10	52.45	11.65	
100.00	4.28	20.21	10.86	64.65	52.77	11.88	
100.00	4.26	19.16	9.90	66.69	55.03	11.66	
100.00	4.50	18.92	9.53	67.05	55.48	11.57	
100.00	4.61	18.79	9.19	67.41	56.00	11.41	
100.00	4.82	18.63	8.98	67.57	56.03	11.54	
100.00	5.11	18.63	9.12	67.14	55.69	11.45	
100.00	5.06	18.21	8.89	67.84	56.23	11.60	
100.00	5.20	17.60	8.50	68.70	56.95	11.75	
100.00	5.27	17.25	8.57	68.92	57.72	11.20	
100.00	5.31	16.99	8.49	69.21	58.12	11.09	
100.00	5.35	16.96	8.36	69.33	58.00	11.33	
100.00	5.52	16.51	7.96	70.01	58.85	11.15	
100.00	5.45	16.28	7.70	70.57	60.07	10.50	
100.00	5.45	16.23	7.73	70.59	60.34	10.24	
100.00	5.40	16.05	7.48	71.07	61.01	10.07	
100.00	5.24	15.81	7.26	71.69	61.45	10.24	
100.00	5.20	15.82	7.36	71.62	61.61	10.01	
100.00	5.18	15.50	7.25	72.06	61.74	10.32	
100.00	5.21	14.90	7.01	72.87	62.72	10.16	
100.00	5.06	14.46	6.70	73.78	64.11	9.67	
100.00	5.11	13.90	6.40	74.59	65.35	9.24	
100.00	5.08	13.56	6.22	75.14	66.09	9.05	
100.00	4.88	13.21	5.95	75.96	66.75	9.21	
100.00	4.57	12.95	5.72	76.76	66.64	10.11	
100.00	4.53	12.67	5.58	77.23	67.23	10.00	
100.00	4.48	12.36	5.39	77.77	68.08	9.69	
100.00	4.38	12.15	5.25	78.23	68.77	9.46	

Table 27. Employed persons

Year	Number (Thousand persons)							
	Total	Primary school & below	Junior high school	Senior high school	Vocational school	Junior college	University	Graduate school
Ave. 1998	9 289	1 985	1 778	854	2 359	1 308	1 005	
Ave. 1999	9 385	1 815	1 794	874	2 443	1 394	1 065	
Ave. 2000	9 491	1 724	1 797	877	2 498	1 473	1 123	
Ave. 2001	9 383	1 602	1 716	859	2 512	1 525	1 169	
Ave. 2002	9 454	1 532	1 647	857	2 567	1 581	1 271	
Ave. 2003	9 573	1 452	1 611	869	2 622	1 628	1 391	
Ave. 2004	9 786	1 376	1 598	883	2 709	1 677	1 542	
Ave. 2005	9 942	1 300	1 581	873	2 732	1 724	1 733	
Ave. 2006	10 111	1 206	1 564	865	2 766	1 759	1 951	
Ave. 2007	10 294	1 137	1 553	886	2 794	1 764	2 161	
Ave. 2008	10 403	1 063	1 497	881	2 786	1 787	2 389	
Ave. 2009	10 279	971	1 421	859	2 692	1 767	2 568	
Ave. 2010	10 493	945	1 415	871	2 712	1 798	2 752	
Ave. 2011	10 709	910	1 402	894	2 751	1 814	2 286	652
Ave. 2012	10 860	885	1 383	910	2 764	1 812	2 412	694

Table 28. Unemployed persons and unemployment rate

Year	Number (Thousand persons)							
	Total	Primary school & below	Junior high school	Senior high school	Vocational school	Junior college	University	Graduate school
Ave. 1998	257	33	54	25	77	39	28	
Ave. 1999	283	37	61	26	85	45	29	
Ave. 2000	293	36	65	27	90	44	31	
Ave. 2001	450	59	105	44	138	64	40	
Ave. 2002	515	62	110	50	165	76	51	
Ave. 2003	503	62	105	48	159	73	55	
Ave. 2004	454	48	86	42	142	70	66	
Ave. 2005	428	36	76	41	131	68	77	
Ave. 2006	411	29	63	37	128	65	89	
Ave. 2007	419	26	63	37	129	61	102	
Ave. 2008	450	29	71	40	126	64	120	
Ave. 2009	639	44	104	56	179	92	163	
Ave. 2010	577	32	88	50	162	81	164	
Ave. 2011	491	24	65	45	134	64	140	20
Ave. 2012	481	21	62	42	120	60	151	25

## by educational attainment

Structure (%)							
Total	Primary school & below	Junior high school	Senior high school	Vocational school	Junior college	University	Graduate school
100.00	21.36	19.14	9.20	25.40	14.08	10.82	
100.00	19.34	19.12	9.31	26.03	14.86	11.34	
100.00	18.16	18.93	9.24	26.32	15.52	11.83	
100.00	17.07	18.29	9.15	26.77	16.25	12.46	
100.00	16.20	17.42	9.07	27.15	16.72	13.44	
100.00	15.17	16.83	9.07	27.39	17.01	14.53	
100.00	14.06	16.33	9.02	27.68	17.14	15.76	
100.00	13.07	15.90	8.78	27.48	17.34	17.43	
100.00	11.92	15.47	8.55	27.36	17.40	19.30	
100.00	11.04	15.08	8.61	27.14	17.14	20.99	
100.00	10.22	14.39	8.47	26.78	17.17	22.97	
100.00	9.45	13.83	8.36	26.19	17.19	24.99	
100.00	9.01	13.49	8.30	25.85	17.13	26.22	
100.00	8.50	13.09	8.35	25.69	16.94	21.35	6.09
100.00	8.15	12.74	8.38	25.45	16.68	22.21	6.39

## by educational attainment

Unemployment rate (%)							
Total	Primary school & below	Junior high school	Senior high school	Vocational school	Junior college	University	Graduate school
2.69	1.65	2.97	2.85	3.18	2.90	2.67	
2.92	1.99	3.28	2.92	3.35	3.10	2.69	
2.99	2.05	3.50	2.96	3.48	2.90	2.67	
4.57	3.56	5.75	4.86	5.21	4.03	3.32	
5.17	3.87	6.28	5.55	6.04	4.60	3.89	
4.99	4.10	6.11	5.28	5.71	4.32	3.82	
4.44	3.35	5.13	4.52	4.98	4.02	4.11	
4.13	2.71	4.61	4.44	4.57	3.78	4.23	
3.91	2.31	3.89	4.13	4.43	3.55	4.36	
3.91	2.26	3.91	3.97	4.41	3.36	4.51	
4.14	2.66	4.52	4.36	4.33	3.44	4.78	
5.85	4.35	6.83	6.07	6.23	4.96	5.98	
5.21	3.27	5.84	5.43	5.63	4.33	5.62	
4.39	2.52	4.44	4.75	4.63	3.40	5.79	2.97
4.24	2.32	4.27	4.45	4.15	3.18	5.90	3.49

**Table 29. Average monthly earnings of employees**

Year	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Wholesale & retail trade	Transportation & storage	Accommodation & food services
Ave. 1998	40 083	36 431	88 192	41 708	37 886	37 696	44 074	24 039
Ave. 1999	41 432	37 738	91 265	44 729	38 070	38 695	45 072	25 117
Ave. 2000	43 067	38 914	91 805	44 341	38 897	39 541	45 949	26 060
Ave. 2001	44 069	38 412	97 399	46 002	37 746	39 775	48 017	25 973
Ave. 2002	44 804	38 435	93 466	43 917	36 844	39 152	46 509	25 687
Ave. 2003	47 720	39 549	95 191	43 954	37 214	39 610	45 934	24 951
Ave. 2004	46 307	40 657	94 525	42 880	37 916	39 819	46 986	24 813
Ave. 2005	47 671	41 858	91 184	47 647	38 450	39 545	48 618	25 121
Ave. 2006	53 344	42 393	97 230	47 251	39 168	39 380	48 460	24 960
Ave. 2007	51 057	43 169	98 448	44 447	40 327	39 475	49 234	25 500
Ave. 2008	51 499	43 105	89 296	44 649	40 792	39 980	49 800	26 747
Ave. 2009	49 674	39 152	95 996	44 234	40 930	40 154	48 068	27 171
Ave. 2010	52 863	42 420	96 143	45 404	41 674	41 970	49 161	27 829
Ave. 2011	54 385	43 533	94 955	46 212	42 800	42 847	50 441	29 761
Ave. 2012	53 129	43 994	92 457	44 031	42 728	42 180	50 463	30 156

**Notes :** Both industry & services and services sectors statistics covered education industry (only short-term tutorial and driver's training classes are included) since January 2009.

**Table 30. Average monthly working hours of employees**

Year	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Wholesale & retail trade	Transportation & storage	Accommodation & food services
Ave. 1998	189.9	198.0	181.9	187.3	188.3	182.9	192.9	184.5
Ave. 1999	185.9	199.0	183.0	184.3	185.5	182.9	190.8	188.9
Ave. 2000	185.4	198.7	182.3	188.0	187.5	182.9	189.6	188.2
Ave. 2001	184.4	184.4	173.0	183.5	180.8	178.2	181.6	175.6
Ave. 2002	188.3	187.5	172.4	182.3	176.2	177.4	180.9	175.7
Ave. 2003	185.5	188.2	171.4	181.7	175.6	176.0	179.2	177.0
Ave. 2004	184.3	190.6	172.2	182.9	177.3	180.1	182.5	169.2
Ave. 2005	181.0	188.8	171.1	184.5	177.7	177.6	180.8	174.0
Ave. 2006	182.7	187.3	171.6	183.9	178.1	175.3	179.9	173.6
Ave. 2007	184.0	187.3	171.3	185.1	176.9	174.8	179.4	172.5
Ave. 2008	184.2	184.7	172.7	186.5	176.4	175.9	179.1	172.3
Ave. 2009	182.0	179.3	172.3	182.9	175.0	175.8	180.3	169.7
Ave. 2010	185.0	189.0	173.3	182.5	177.1	176.2	181.5	171.8
Ave. 2011	181.5	185.3	170.6	178.7	178.3	173.9	179.2	169.2
Ave. 2012	182.7	184.1	176.5	178.6	178.2	173.2	181.0	171.3

**Notes :** Both industry & services and services sectors statistics covered education industry (only short-term tutorial and driver's training classes are included) since January 2009.

## on payrolls of establishments, by industry

NT\$

Information & communication	Finance & insurance	Real estate	Professional, scientific & technical services	Support services	Education	Human health services	Art, entertainment & recreation	Other services
61 421	59 546	41 719	47 898	34 814	...	48 920	26 256	29 530
61 260	60 332	44 429	49 574	34 919	...	51 020	26 524	30 825
62 759	60 872	43 716	49 844	35 277	...	53 397	27 592	31 335
62 100	62 657	42 277	49 227	35 579	...	54 484	28 338	29 927
59 239	65 703	40 896	45 672	34 605	...	53 841	27 888	29 236
60 292	64 645	40 431	47 429	32 871	...	55 702	27 666	28 947
59 417	66 671	39 781	49 311	32 707	...	55 341	29 662	29 421
61 381	65 113	38 819	50 890	32 815	...	55 603	29 898	30 384
61 134	69 054	38 313	51 740	32 622	...	55 429	31 303	30 203
63 756	75 732	37 877	53 281	33 139	...	56 603	31 499	29 926
63 888	71 319	40 343	54 524	32 999	...	58 122	32 053	29 311
62 013	67 513	38 720	49 969	31 596	22 195	57 844	31 257	29 731
64 425	73 663	41 154	52 942	32 351	22 457	57 887	32 841	30 813
66 588	75 988	42 313	55 182	33 065	22 414	59 887	33 438	32 529
67 309	76 932	39 957	56 198	33 736	22 769	60 263	35 531	32 683

## on payrolls of establishments, by industry

Hours

Information & communication	Finance & insurance	Real estate	Professional, scientific & technical services	Support services	Education	Human health services	Art, entertainment & recreation	Other services
180.9	175.5	185.3	178.4	188.4	...	187.1	202.8	207.2
177.0	174.6	180.7	181.3	186.9	...	185.1	202.0	208.1
176.3	173.9	178.3	182.8	192.1	...	182.5	199.1	208.1
166.2	166.2	172.4	175.8	187.0	...	178.0	191.6	199.9
169.5	168.6	174.2	175.3	187.2	...	179.2	191.5	199.9
168.7	168.7	178.1	176.5	189.2	...	177.0	188.6	197.3
169.4	169.1	185.4	178.3	190.5	...	176.3	185.2	199.9
168.5	168.0	186.1	175.5	188.9	...	176.0	184.5	199.5
167.5	168.6	182.6	174.9	191.9	...	175.3	186.3	201.2
168.2	167.1	177.9	175.2	188.6	...	175.1	184.7	201.5
169.4	167.5	180.3	176.3	187.9	...	174.4	181.4	200.0
169.1	168.1	181.7	174.0	187.7	140.9	173.7	184.4	195.2
170.0	168.9	180.1	175.1	192.1	139.1	175.0	181.4	195.8
168.1	165.9	179.0	173.2	191.9	135.1	173.9	182.5	196.6
168.7	167.5	180.0	174.0	191.9	132.4	174.7	183.9	196.2

**Table 31. Indices of labor productivity by industry**

2006=100

Year	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Wholesale & retail trade	Transportation & storage	Accommodation & food services
Ave. 2003	104.46	81.91	86.66	77.03	107.44	86.67	90.92	95.23
Ave. 2004	120.09	86.53	89.99	77.91	108.95	88.54	92.71	101.96
Ave. 2005	121.11	92.47	95.62	87.80	102.00	95.36	97.72	100.48
Ave. 2006	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Ave. 2007	130.22	107.38	104.82	98.80	100.36	104.91	105.98	102.79
Ave. 2008	122.77	108.46	101.95	93.69	95.72	107.51	107.31	99.80
Ave. 2009	157.53	110.84	99.07	93.76	95.92	108.61	106.31	98.13
Ave. 2010 r	196.71	128.41	103.97	89.41	104.57	113.11	113.61	102.46
Ave. 2011 r	215.24	135.19	107.69	88.07	99.61	118.45	115.75	114.58
Ave. 2012	231.85	136.29	104.65	85.51	97.32	117.43	116.02	111.87

Year	Information & communication	Finance & insurance	Real estate	Professional , scientific & technical services	Support services	Human health services	Art, entertainment & recreational	Other services
Ave. 2003	98.72	93.40	80.91	95.98	82.24	112.65	87.80	95.69
Ave. 2004	99.93	96.79	76.11	96.54	88.56	110.95	87.08	91.88
Ave. 2005	100.93	97.98	76.42	91.92	93.68	103.00	89.84	96.32
Ave. 2006	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Ave. 2007	104.22	107.76	93.91	95.67	105.33	103.11	114.28	103.90
Ave. 2008	110.36	103.35	83.76	90.56	105.82	102.31	124.19	106.52
Ave. 2009	112.98	94.64	87.28	94.90	104.17	103.90	134.71	111.61
Ave. 2010 r	122.19	96.86	89.77	98.21	107.80	98.45	140.16	115.67
Ave. 2011 r	122.65	102.27	78.34	98.09	108.53	97.76	154.22	118.96
Ave. 2012	121.28	101.50	75.95	95.50	107.72	96.21	155.26	121.43



**Table 32. Labor unions and members by type of labor unions**

End of Year	Labor unions (Establishments)	Institutional members (Establishments)	Personal members (Persons)
2008	4 663	5 228	3 043 223
2009	4 759	5 298	3 177 591
2010	4 924	5 317	3 216 502
2011	5 042	5 298	3 321 969
2012	5 225	5 270	3 387 524
Council of labor affairs	158	1 121	172 442
Federation of corporate and industrial labor unions	28	208	-
Federation of craft labor unions	104	602	-
Federation of others labor unions	17	311	-
Corporate labor unions	7	-	146 556
Craft labor unions	2	-	25 886
New Taipei municipality	381	239	447 122
Federation of corporate and industrial labor unions	-	-	-
Federation of craft labor unions	-	-	-
Federation of others labor unions	5	239	-
Corporate labor unions	62	-	31 253
Industrial labor unions	14	-	11 834
Craft labor unions	300	-	404 035
Taipei municipality	498	261	559 353
Federation of corporate and industrial labor unions	3	-	-
Federation of craft labor unions	-	-	-
Federation of others labor unions	5	261	-
Corporate labor unions	133	-	102 613
Industrial labor unions	26	-	373
Craft labor unions	331	-	456 367
Taichung municipality	424	409	286 293
Federation of corporate and industrial labor unions	-	-	-
Federation of craft labor unions	-	-	-
Federation of others labor unions	5	409	-
Corporate labor unions	48	-	20 832
Industrial labor unions	3	-	4 043
Craft labor unions	368	-	261 418
Tainan municipality	400	377	226 484
Federation of corporate and industrial labor unions	-	-	-
Federation of craft labor unions	-	-	-
Federation of others labor unions	5	377	-
Corporate labor unions	53	-	22 966
Industrial labor unions	3	-	8 458
Craft labor unions	339	-	195 060
Kaohsiung municipality	843	711	461 158
Federation of corporate and industrial labor unions	6	59	-
Federation of craft labor unions	2	66	-
Federation of others labor unions	8	586	-
Corporate labor unions	173	-	58 882
Industrial labor unions	21	-	8 176
Craft labor unions	633	-	394 100
County/City	2 480	2 110	1 198 798
Federation of corporate and industrial labor unions	2	-	-
Federation of others labor unions	42	2 110	-
Corporate labor unions	376	-	118 443
Industrial labor unions	17	-	18 719
Craft labor unions	2 043	-	1 061 636
Export processing zones	40	42	34 397
Federation of corporate and industrial labor unions	1	42	-
Corporate labor unions	39	-	34 397
Science-based industrial park	1	-	1 477
Corporate labor unions	1	-	1 477

**Notes :** For statistical figures tabulated in this table, the amended Labor Union Act taking effect on May 1st, 2011 have been referred.

Table 33. Occupational

Year	Reporting enterprises (Establishments)	Employee (Persons)	Total workdays (Days)	Total person-workhours (Hours)	Times of disability (Persons-cases)	Frequency of <sup>1</sup> disability
1988	9 694	1 045 467	305 996 552	2 509 390 008	9 165	3.65
1989	9 161	1 043 906	300 362 129	2 456 361 619	8 151	3.32
1990	8 628	1 019 104	292 538 301	2 356 964 703	7 718	3.27
1991	8 970	1 088 943	322 472 206	2 559 834 098	8 346	3.26
1992	9 078	1 106 820	333 018 006	2 793 760 173	8 228	2.95
1993	8 946	1 095 103	326 474 140	2 582 614 311	7 390	2.86
1994	10 095	1 231 606	352 600 283	2 880 670 475	8 294	2.88
1995	10 736	1 333 546	394 379 415	3 231 006 289	7 940	2.46
1996	10 313	1 346 902	391 696 836	3 134 164 510	7 628	2.43
1997	10 267	1 375 331	402 556 395	3 231 907 472	7 180	2.22
1998	10 140	1 380 237	393 638 956	3 242 960 501	6 874	2.12
1999	9 672	1 386 507	384 766 005	3 379 364 844	7 171	2.12
2000	9 377	1 374 514	416 675 839	3 188 100 606	6 805	2.13
2001	8 645	1 347 006	340 887 620	2 883 508 335	5 378	1.87
2002	7 928	1 206 580	343 891 944	2 606 347 994	4 692	1.80
2003	7 424	1 248 227	332 314 535	2 803 050 761	5 365	1.91
2004	8 099	1 396 492	370 559 379	3 084 917 381	6 047	1.96
2005	9 058	1 922 821	499 157 126	4 059 950 075	10 196	2.51
2006	12 457	2 559 502	658 605 717	5 359 578 449	11 466	2.14
2007	13 107	2 646 609	685 653 231	5 548 733 640	12 246	2.21
2008	13 637	2 723 323	701 290 726	5 716 555 136	11 920	2.09
2009	13 869	2 630 613	673 071 072	5 476 121 770	10 497	1.92
2010	14 328	2 786 603	721 143 705	5 887 832 289	11 553	1.96
2011	14 926	3 033 182	770 490 849	6 292 982 481	11 492	1.83
2012	15 614	3 176 406	813 002 038	6 634 264 696	11 413	1.72

Notes : <sup>1</sup> Frequency of disability = Times of disability ÷ Total person-workhours × 1,000,000

<sup>2</sup> Severity of disability = Total workday lost ÷ Total person-workhours × 1,000,000

The current data can not be compared with the data prior to 2004 due to categories of occupational revised tables and the method was amended in 2005.

## injuries

Times of disability(Person-case)					Total workday lost (Days)	Severity of <sup>2</sup> disability
Total	Deaths (Persons)	Permanent total disability (Persons)	Permanent partial disability (Persons-cases)	Temporary total disability (Persons-cases)		
6 462	134	6	140	6 182	1 054 784	420
6 984	140	5	103	6 736	1 032 310	420
6 569	141	4	99	6 325	997 342	423
7 026	154	8	110	6 754	1 119 323	437
7 010	145	6	99	6 760	1 076 408	385
6 239	134	5	79	6 021	990 886	384
5 936	178	7	187	5 564	1 356 752	471
6 671	137	15	173	6 346	1 124 352	348
6 456	156	7	153	6 140	1 144 988	365
5 830	177	14	153	5 486	1 303 886	403
5 676	141	12	153	5 370	1 042 740	322
5 862	118	10	120	5 614	817 434	242
5 986	103	13	128	5 742	714 516	224
4 493	76	3	71	4 343	539 753	187
3 271	71	4	31	3 165	475 763	183
4 037	61	2	54	3 920	414 814	148
4 318	75	3	61	4 179	559 323	181
10 196	135	15	280	9 766	1 320 622	325
11 466	103	15	321	11 027	1 172 562	219
12 246	102	14	338	11 792	1 179 131	213
11 920	77	15	334	11 494	949 056	166
10 497	81	11	276	10 129	938 828	171
11 553	89	7	326	11 131	951 031	162
11 492	80	12	308	11 092	896 976	143
11 413	70	6	325	11 012	792 148	119

Table 34. Labor

Year	No. of dispute (cases)	Cause of							
		Contract	Wage	Retirement	Welfare benefits	Working hour	Insurance	Management	Employment discrimination
1985	1 443	438	248	565			97		-
1986	1 485	281	278	594			148		-
1987	1 609	313	194	775			104		-
1988	1 314	278	208	409			179		-
1989	1 943	710	489	234	64	29	88	67	-
1990	1 860	788	418	202	29	12	87	55	-
1991	1 810	836	528	210	51	20	111	58	-
1992	1 803	848	557	185	52	9	91	68	-
1993	1 878	852	548	207	61	43	121	73	-
1994	2 061	931	643	210	55	27	105	64	-
1995	2 271	962	761	257	50	17	100	90	-
1996	2 659	1 271	891	239	32	15	98	62	-
1997	2 600	1 172	738	251	24	18	100	64	-
1998	4 138	1 945	1 321	306	67	36	121	81	-
1999	5 860	2 976	1 953	363	56	28	125	103	-
2000	8 026	3 921	3 127	512	100	63	196	134	-
2001	10 955	6 187	3 895	613	93	117	230	199	-
2002	14 017	7 514	6 190	643	280	185	427	308	2
2003	12 204	6 427	5 536	507	234	120	322	198	8
2004	10 838	4 851	5 289	461	236	169	357	159	8
2005	14 256	6 732	6 456	762	258	204	414	184	29
2006	15 464	6 669	7 584	610	221	235	535	228	64
2007	19 729	8 668	10 034	766	348	380	817	216	80

  

Year	No. of dispute (cases)	Cause of							
		Dispute over labor contracts	Dispute over wages	Dispute over payment of dismissal	Dispute over retirement pension payment	Dispute over labor insurance benefit payment	Dispute over occupational hazards compensation	Dispute over protection of union identification	Dispute over other rights issues
2008	24 540	1 737	9 186	8 343	762	327	1 381	8	2 486
2009	30 385	2 230	9 756	10 372	852	497	1 412	8	4 680
2010	23 865	1 773	9 217	6 722	746	371	1 598	11	3 157
2011	22 629	1 557	9 290	5 817	853	402	1 865	10	2 653
2012	23 223	1 544	10 353	5 758	904	392	1 693	13	2 430

Notes: <sup>1</sup>The classification of dispute permits more than one dispute issues for each case from year 2000 to 2007. For the previous years and 2008, it contains just the major type of labor dispute only.

<sup>2</sup>Unresolving cases occurred in the previous year are included.

<sup>3</sup>The time series before 1988 included the settlements by legal channels.

**dispute**

dispute <sup>1</sup> (Cases)					Workers involved		Method <sup>2</sup> (Cases)		
Occupational hazards	Safety and health	Mass dismiss	Labor union	Others	dispute(workers)	Involvement rate (‰)	Conciliation	Mediation	Arbitration <sup>3</sup>
84		-	11		15 486	3.65	1 438		-
138		-	46		11 307	2.58	1 470		-
204		-	19		15 654	2.93	1 584		22
163		-	77		24 237	4.46	1 198		49
206	-	-	2	54	62 391	11.21	1 622	275	2
191	1	-	2	75	34 089	6.09	1 634	245	-
233	-	-	-	35	12 696	2.24	1 567	231	-
224	-	-	2	61	12 394	2.12	1 631	216	1
234	1	-	2	49	37 949	6.32	1 681	189	-
295	-	-	3	18	30 890	5.01	1 852	244	-
272	-	-	2	12	27 342	4.37	2 039	201	-
262	-	-	1	75	21 654	3.44	2 431	241	-
367	-	-	5	59	81 004	12.61	2 230	344	-
493	1	-	5	89	103 568	15.80	3 641	461	-
656	-	-	3	153	30 440	4.60	4 861	946	-
850	-	-	4	269	56 543	8.38	6 603	1 445	-
814	-	-	2	462	58 643	8.72	8 807	2 170	-
824	-	1	6	1 271	105 714	15.61	11 795	2 050	2
866	-	-	4	1 634	28 821	4.18	10 559	1 933	-
922	1	2	5	1 241	32 478	4.55	9 199	1 724	1
1 144	7	5	10	1 207	85 544	11.66	11 756	2 135	-
1 221	-	3	8	1 736	81 639	10.83	12 796	2 388	-
1 393	3	2	11	3 422	121 563	15.72	16 367	2 846	-

  

dispute <sup>1</sup> (Cases)				Workers involved		Method <sup>2</sup> (Cases)		
Dispute over wages adjustment	Dispute over work years settlement	Dispute over work hours adjustment	Dispute over other adjustment issues	dispute(workers)	Involvement rate (‰)	Conciliation	Mediation	Arbitration <sup>3</sup>
69	13	109	119	65 274	8.26	19 546	4 320	-
135	103	271	69	68 649	8.70	25 441	5 201	-
27	4	195	44	42 934	5.30	19 108	4 469	-
23	4	115	40	44 022	5.29	10 438	11 620	1
36	2	61	37	41 255	4.86	1 190	21 781	3

Table 35. Labor turnover rates

Year	Accession							
	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Wholesale & retail trade	Transportation & storage	Accommodation & food services
Ave. 1998	1.64	2.14	0.10	2.24	3.15	3.29	1.37	3.82
Ave. 1999	0.80	2.22	0.82	3.06	3.82	3.33	1.28	4.10
Ave. 2000	0.77	2.23	0.29	2.73	3.54	3.33	1.34	4.25
Ave. 2001	0.68	1.50	0.33	1.90	3.18	2.69	1.35	3.47
Ave. 2002	1.16	1.96	0.21	2.06	3.43	2.60	1.33	4.45
Ave. 2003	1.20	1.98	0.49	2.01	3.59	2.63	1.44	5.37
Ave. 2004	1.02	2.02	0.27	2.07	3.37	2.52	1.51	5.26
Ave. 2005	1.14	2.03	0.31	1.97	3.09	3.08	1.62	5.04
Ave. 2006	0.88	2.31	0.51	3.12	2.90	3.05	1.71	4.44
Ave. 2007	1.14	2.16	0.42	2.13	2.87	2.63	1.57	4.24
Ave. 2008	1.16	1.77	0.56	2.07	3.24	2.40	1.48	4.47
Ave. 2009	0.95	1.71	0.30	1.64	3.03	2.21	1.30	3.82
Ave. 2010	1.05	2.56	0.26	1.81	3.15	2.65	1.79	4.86
Ave. 2011	1.26	2.36	0.48	1.77	2.73	2.41	1.74	5.23
Ave. 2012	1.00	2.04	0.44	1.67	2.71	2.36	1.97	3.92

Year	Separation							
	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Wholesale & retail trade	Transportation & storage	Accommodation & food services
Ave. 1998	2.20	2.26	0.33	2.34	3.84	3.35	1.49	4.15
Ave. 1999	1.80	1.96	0.33	2.70	3.84	2.93	1.27	4.05
Ave. 2000	1.51	2.21	0.37	3.35	4.00	3.22	1.28	4.30
Ave. 2001	1.72	2.08	0.60	2.29	3.88	2.93	1.64	4.35
Ave. 2002	1.68	1.76	0.37	2.25	3.53	2.34	1.40	3.68
Ave. 2003	2.08	1.73	0.44	1.97	3.76	2.58	1.62	4.45
Ave. 2004	1.85	1.78	0.47	2.11	2.98	2.26	1.45	4.17
Ave. 2005	1.94	1.99	0.39	1.99	2.87	2.80	1.66	3.96
Ave. 2006	1.82	2.19	0.41	1.95	2.53	2.98	1.61	3.71
Ave. 2007	1.43	1.99	0.42	1.74	2.82	2.64	1.62	3.97
Ave. 2008	1.53	2.08	0.27	2.15	3.27	2.64	1.61	4.12
Ave. 2009	1.74	1.86	0.21	1.58	3.14	2.32	1.43	3.78
Ave. 2010	1.28	2.11	0.28	1.63	2.84	2.47	1.65	4.50
Ave. 2011	1.16	2.14	0.26	1.67	2.69	2.21	1.55	4.74
Ave. 2012	1.61	1.98	0.39	1.63	2.59	2.22	1.88	3.52

## of employees by industry

%

Information & communication	Finance & insurance	Real estate	Professional, scientific & technical services	Support services	Education	Human health services	Art, entertainment & recreation	Other services
2.31	1.98	2.69	2.98	4.48	...	2.04	3.80	2.24
2.32	1.73	2.62	2.70	4.03	...	2.18	4.07	2.27
2.98	1.69	1.29	2.67	3.88	...	1.84	4.04	2.26
1.84	1.25	1.06	2.58	4.03	...	1.19	2.90	1.75
2.03	1.30	2.17	2.88	3.89	...	1.62	4.31	2.31
1.97	1.82	2.68	2.82	4.24	...	1.89	4.92	2.23
2.13	1.82	3.66	2.49	4.40	...	1.95	5.99	1.94
2.39	1.67	3.68	2.59	5.37	...	1.77	5.68	2.08
2.24	1.75	3.23	2.76	5.41	...	1.67	5.94	2.03
2.13	1.88	3.84	2.51	5.38	...	1.53	4.85	1.79
2.02	1.51	3.01	2.22	4.75	...	1.55	4.07	1.76
1.86	1.22	2.60	1.98	5.09	2.29	1.45	3.61	2.08
2.09	1.48	3.25	2.30	5.62	2.34	1.41	3.84	1.96
2.31	1.56	2.99	2.18	5.07	2.49	1.65	4.64	1.93
2.04	1.32	2.90	1.99	4.24	1.72	1.59	4.01	1.95

Information & communication	Finance & insurance	Real estate	Professional, scientific & technical services	Support services	Education	Human health services	Art, entertainment & recreation	Other services
1.62	1.77	3.21	3.23	4.21	...	1.71	4.02	2.67
2.00	1.52	3.64	2.73	3.24	...	1.61	4.75	2.65
2.24	1.55	2.75	2.96	3.69	...	1.63	4.66	2.23
2.20	1.52	2.58	3.13	4.20	...	1.18	3.82	2.52
1.90	1.49	2.27	2.78	2.65	...	1.10	2.91	1.76
1.76	1.51	2.08	2.28	2.71	...	1.23	3.64	1.49
1.91	1.60	2.66	1.92	3.39	...	1.41	4.83	1.67
2.11	1.51	3.03	2.25	4.20	...	1.18	4.87	2.20
2.25	1.90	2.56	2.28	3.73	...	1.11	4.82	2.04
2.16	1.68	3.39	2.32	4.20	...	1.17	4.76	1.82
1.71	1.70	3.09	2.17	4.72	...	1.08	4.34	2.14
1.82	1.47	2.64	1.86	4.59	2.56	1.17	3.52	1.98
1.92	1.48	2.33	1.91	5.55	2.11	1.13	4.24	2.08
2.04	1.42	2.58	1.96	4.95	2.19	1.37	4.65	1.86
1.87	1.30	2.69	1.88	4.24	1.84	1.34	4.27	2.06





## 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 status of education at various stages, net percentage of graduates entering advanced levels, opportunity for graduates entering advanced levels, educational attainments, and educational expenditure. All of the educational statistics are obtained from the *Educational Statistics* and the *Education Statistical Indicators*, both compiled by the Ministry of Education based on statistical reports regularly submitted by all of the public and private schools, except for information on educational attainments which come from the official statistics of the Ministry of the Interior. On the front of science and technology, this chapter contains data on national research and development (R&D) expenditures, publication of scientific and technical (S&T) papers and number of patents granted. Information on R&D expenditures and publication of (S&T) papers are obtained from the *Indicators of Science and Technology*, compiled from results of the Annual National Technology survey conducted by the National Science Council, Executive Yuan. On the front of culture, this chapter contains data on the status of libraries and the status of historic relics. Information on culture is obtained from official statistics compiled by the Ministry of Education and the Ministry of Culture, respectively. On the front of mass communication, this chapter introduces the status of mass communication enterprises and the saturation rates for newspapers and magazines. The information on mass communication enterprises come from official statistics produced by the Ministry of Finance while that on newspapers and magazines, from the *Report on the Survey of Family Income and Expenditure* published by the Directorate-General of Budget, Accounting and Statistics, Executive Yuan.

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

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

Education at All Levels -- Education can be classified into following five stages: preschool education (preceding the first level), primary education (first level), secondary education (second level), higher education (third level), and social education (special and other levels). The preschool education is offered to toddlers (age 2 to 5) at the preschools. The primary education is offered to students (age 6 to 11) at the elementary schools. The secondary education is offered to students (age 12 to 17) at the junior high, senior high, and vocational senior schools (including the first three years of the 5-year junior colleges). The higher education is offered to students (age 18 to 21) at the colleges/universities and above (excluding the first three year of the 5-year junior colleges).

Opportunity for graduates entering advanced levels -- This refers to the chance for a school graduate to enroll in a school the next higher level. For instance, the opportunity for a junior high school graduate entering advanced levels is the first-year students at the senior high schools, vocational senior schools (including supplementary schools and prolonged education classes), and 5-year junior colleges as a percentage of total graduates coming out of all junior high schools in the current year.

Education Attainments -- This refers to the highest school education received or the highest qualification test passed or the best knowledge gained from informal schools, at home and overseas, by a person of age 25 or above at the benchmark date. An informal school may be a tutorial class, unregistered college, correspondence course program (school), symposium, training class, supplementary education class, seminars, and self-study.

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."

Scientific and Technical Paper -- This refers to the papers produced in the process of the scientific and technological activities, including referee papers, conference papers and monographs. The research reports published yet never in any academic journals and the dissertations of doctors or masters are excluded from the statistics.

**Table 36. Education preceding the first level: institutions, teachers and students**

School Year	Institution (Numbers)		Teaching staff (Persons)				Students enrolled (Persons)			
	Total	Public	Total		Public		Total		Public	
			Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
1983	1 719	325	10 160	10 008	1 186	1 158	214 076	101 142	33 809	16 038
1984	2 014	145	11 961	11 805	679	676	234 172	110 132	17 251	8 412
1985	2 210	158	12 471	12 310	766	765	234 674	111 249	17 859	8 677
1986	2 396	550	12 769	12 593	1 838	1 822	238 428	112 901	41 188	19 890
1987	2 518	639	12 994	12 834	2 299	2 267	250 179	119 288	47 569	23 278
1988	2 548	678	13 446	13 284	2 407	2 380	248 498	118 117	47 765	23 193
1989	2 556	688	13 244	13 080	2 560	2 537	242 785	116 036	45 667	22 325
1990	2 505	696	14 508	14 256	2 631	2 627	237 285	113 228	47 388	23 372
1991	2 495	716	14 852	14 628	2 752	2 748	235 099	112 404	48 271	23 796
1992	2 420	716	14 727	14 393	2 892	2 829	231 124	110 531	48 563	24 017
1993	2 435	774	14 998	14 822	2 982	2 982	237 779	113 367	51 113	25 236
1994	2 484	815	15 340	15 158	3 155	3 153	235 150	111 662	53 189	25 885
1995	2 581	883	16 129	15 977	3 419	3 414	240 368	113 416	55 529	27 280
1996	2 660	923	16 076	15 891	3 711	3 696	235 830	111 228	57 679	28 166
1997	2 777	1 009	16 543	16 398	4 005	3 988	230 781	109 546	60 918	29 970
1998	2 874	1 065	17 795	17 584	4 290	4 286	238 787	112 662	64 936	32 067
1999	3 005	1 160	18 168	18 026	4 550	4 545	232 610	110 439	68 563	33 813
2000	3 150	1 230	20 099	19 877	5 045	4 993	243 090	115 898	73 434	36 128
2001	3 234	1 288	19 799	19 600	5 246	5 212	246 303	118 800	75 956	37 217
2002	3 275	1 331	20 457	20 060	5 363	5 302	241 180	115 104	76 382	37 520
2003	3 306	1 358	21 251	20 900	5 362	5 325	240 926	114 494	74 462	36 453
2004	3 252	1 348	20 894	20 551	5 307	5 269	237 155	112 803	73 177	35 972
2005	3 351	1 474	21 833	21 480	5 976	5 933	224 219	106 650	69 186	34 010
2006	3 329	1 507	19 037	18 821	6 324	6 276	201 815	96 410	73 334	36 206
2007	3 283	1 528	17 403	17 204	5 700	5 662	191 773	91 556	73 224	35 984
2008	3 195	1 544	17 369	17 172	5 856	5 819	185 668	88 412	73 329	35 866
2009	3 154	1 553	16 904	16 708	5 938	5 896	182 049	86 345	72 991	35 568
2010	3 283	1 560	14 630	14 489	5 801	5 760	183 901	87 446	72 027	35 305
2011	3 195	1 581	14 918	14 788	6 074	6 022	189 792	90 187	71 335	34 893
2012	6 611	1 888	45 004	44 450	12 066	11 879	459 653	217 573	131 423	63 866

**Notes :** Since the "Early Childhood Education and Care Act" was fulfilled in 2012, the kindergartens and the child-care centers were reformed to the "Preschools" from the SY 2012.

Table 37. Education at the first level :

School Year	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
1983	2 464	2 442	70 648	37 223	69 838	36 578
1984	2 474	2 452	71 512	38 127	70 695	37 485
1985	2 486	2 464	72 287	39 156	71 481	38 520
1986	2 486	2 464	74 838	40 639	74 023	39 984
1987	2 472	2 450	76 226	42 503	75 424	41 866
1988	2 478	2 456	77 892	44 296	77 078	43 642
1989	2 484	2 462	80 849	47 971	80 015	47 287
1990	2 487	2 465	82 583	49 148	81 768	48 483
1991	2 495	2 473	84 304	50 886	83 492	50 218
1992	2 492	2 470	84 052	50 840	83 228	50 163
1993	2 505	2 483	83 480	50 922	82 647	50 237
1994	2 517	2 495	84 150	52 142	83 299	51 444
1995	2 523	2 501	87 934	55 908	87 063	55 187
1996	2 519	2 497	90 127	57 662	89 262	56 951
1997	2 540	2 518	92 104	59 595	91 242	58 888
1998	2 557	2 535	95 029	62 832	94 172	62 120
1999	2 583	2 560	98 745	65 729	97 895	65 018
2000	2 600	2 575	101 581	67 843	100 669	67 076
2001	2 611	2 586	103 501	69 938	102 581	69 176
2002	2 627	2 597	104 300	70 986	103 172	70 052
2003	2 638	2 609	103 803	70 307	102 663	69 344
2004	2 646	2 611	102 882	69 948	101 618	68 885
2005	2 655	2 619	101 662	69 317	100 286	68 159
2006	2 651	2 615	100 692	68 628	99 327	67 483
2007	2 651	2 613	101 360	69 420	99 811	68 144
2008	2 654	2 617	100 206	68 655	98 641	67 377
2009	2 658	2 621	99 155	68 066	97 557	66 764
2010	2 661	2 622	99 562	68 703	97 897	67 341
2011 r	2 659	2 623	98 559	68 326	96 887	66 959
2012	2 657	2 621	97 536	67 909	95 837	66 532

**institutions, teachers, students and graduates**

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
2 242 641	1 090 097	2 217 957	1 079 466	359 886	175 665	355 913	173 908
2 273 390	1 103 511	2 248 835	1 092 876	354 687	172 254	349 249	169 823
2 321 700	1 126 230	2 296 919	1 115 526	356 176	173 289	352 355	172 478
2 364 438	1 146 939	2 339 469	1 136 033	357 398	173 688	353 605	172 879
2 400 614	1 164 465	2 375 375	1 153 430	390 836	189 824	386 832	188 117
2 407 166	1 167 311	2 381 229	1 155 897	396 248	193 137	392 167	191 372
2 384 801	1 155 940	2 358 650	1 144 344	389 752	188 822	385 720	187 034
2 354 113	1 140 522	2 328 193	1 128 939	406 231	196 882	402 194	195 059
2 293 444	1 111 804	2 267 458	1 100 171	399 710	194 042	394 598	191 742
2 200 968	1 065 735	2 175 449	1 054 298	396 807	192 141	392 802	190 352
2 111 037	1 021 739	2 085 667	1 010 449	395 678	191 843	391 684	190 082
2 032 361	981 823	2 006 995	970 528	378 491	183 565	374 421	181 768
1 971 439	950 849	1 946 445	939 651	359 708	174 166	355 680	172 373
1 934 756	931 005	1 910 221	920 105	346 756	168 261	342 831	166 479
1 905 690	913 906	1 881 776	903 262	310 968	150 332	307 120	149 502
1 910 681	914 574	1 887 505	904 295	304 850	146 886	301 158	145 243
1 927 179	921 643	1 904 944	911 834	317 847	152 943	314 277	151 356
1 925 981	920 898	1 903 815	910 962	317 581	152 627	314 005	151 067
1 925 491	920 991	1 904 147	911 368	326 223	155 865	322 653	154 322
1 918 034	918 087	1 894 643	907 492	318 758	151 752	315 328	150 180
1 913 000	916 677	1 888 731	905 704	317 510	151 713	313 896	150 075
1 883 533	903 002	1 857 186	891 104	319 630	153 342	316 336	151 806
1 831 873	877 951	1 804 466	865 444	318 431	152 811	314 052	150 839
1 798 393	861 386	1 770 189	848 549	317 713	152 887	313 363	150 947
1 754 095	839 593	1 724 064	825 943	318 661	152 941	313 977	150 823
1 677 439	802 317	1 647 522	788 629	314 200	150 567	309 428	148 407
1 593 398	761 409	1 563 363	747 729	288 408	138 235	283 574	136 033
1 519 746	725 094	1 489 022	711 117	271 625	130 172	266 725	127 952
1 457 004	694 988	1 425 102	680 459	285 628	136 258	280 321	133 841
1 373 375	654 902	1 340 771	640 028	...	...	...	...

**Table 38. Education at the second level (general, vocational**

School Year and type of education	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
1983 Total	1 047	827	74 873	35 107	62 765	29 776
General	845	740	59 871	29 801	54 121	27 108
Vocational	202	87	15 002	5 306	8 644	2 668
1984 Total	1 046	827	75 775	35 933	63 343	30 346
General	845	740	60 373	30 364	54 527	27 582
Vocational	201	87	15 402	5 569	8 816	2 764
1985 Total	1 052	834	76 563	36 528	63 958	30 937
General	851	746	60 683	30 737	54 756	27 981
Vocational	201	88	15 880	5 791	9 202	2 956
1986 Total	1 055	836	77 849	37 247	64 792	31 227
General	851	747	61 128	30 958	55 094	28 049
Vocational	204	89	16 721	6 289	9 698	3 178
1987 Total	1 059	840	78 747	38 207	65 570	32 085
General	850	746	61 381	31 531	55 338	28 669
Vocational	209	94	17 366	6 676	10 232	3 416
1988 Total	1 063	844	80 062	39 650	66 829	33 307
General	851	750	62 401	32 663	56 363	29 742
Vocational	212	94	17 661	6 987	10 466	3 565
1989 Total	1 073	854	81 986	41 576	68 651	35 066
General	859	760	64 299	34 395	58 095	31 376
Vocational	214	94	17 687	7 181	10 556	3 690
1990 Total	1 086	865	84 260	43 364	70 271	36 437
General	870	770	66 557	36 178	59 590	32 719
Vocational	216	95	17 703	7 186	10 681	3 718
1991 Total	1 095	872	87 206	45 563	72 027	37 967
General	883	777	69 206	38 115	61 189	34 119
Vocational	212	95	18 000	7 448	10 838	3 848
1992 Total	1 101	878	89 071	47 180	73 257	39 094
General	890	783	70 739	39 440	62 310	35 178
Vocational	211	95	18 332	7 740	10 947	3 916

**and teacher-training) : institutions, teachers, students and graduates**

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
1 682 364	812 423	1 354 703	644 247	525 943	257 136	428 607	209 704
1 277 815	609 070	1 190 440	570 387	404 316	194 513	377 966	185 905
404 549	203 353	164 263	73 860	121 627	62 623	50 641	23 799
1 677 924	813 730	1 344 401	641 381	534 947	257 427	436 357	214 279
1 270 092	607 753	1 181 438	568 155	412 308	195 202	386 228	191 191
407 832	205 977	162 963	73 226	122 639	62 225	50 129	23 088
1 678 767	816 816	1 331 602	636 496	534 853	260 791	437 056	210 458
1 256 983	602 458	1 165 116	560 909	413 112	198 231	386 026	187 026
421 784	214 358	166 486	75 587	121 741	62 560	51 030	23 432
1 691 516	826 998	1 327 828	635 833	525 916	257 124	423 521	208 828
1 253 592	601 103	1 158 083	558 234	402 272	193 195	373 762	185 901
437 924	225 895	169 745	77 599	123 644	63 929	49 759	22 927
1 707 270	840 192	1 339 880	645 327	529 234	267 345	421 264	208 360
1 259 942	606 568	1 162 696	562 977	398 917	199 069	369 399	183 503
447 328	233 624	177 184	82 350	130 317	68 276	51 865	24 857
1 742 116	861 177	1 375 258	664 119	544 304	273 623	429 113	216 247
1 297 884	625 036	1 194 461	579 018	403 911	198 287	372 956	189 331
444 232	236 141	180 797	85 101	140 393	75 336	56 157	26 916
1 767 835	879 781	1 399 337	681 460	532 682	268 884	428 604	212 261
1 329 695	644 431	1 220 642	595 914	403 857	198 801	373 490	185 108
438 140	235 350	178 695	85 546	128 825	70 083	55 114	27 153
1 818 301	904 743	1 428 828	694 514	562 617	284 483	453 836	224 853
1 369 190	661 997	1 250 723	609 163	434 536	213 471	399 700	197 664
449 111	242 746	178 105	85 351	128 081	71 012	54 136	27 189
1 870 315	929 786	1 449 887	702 500	573 323	289 841	457 226	226 089
1 394 463	672 972	1 267 556	616 186	438 406	214 779	401 852	198 493
475 852	256 814	182 331	86 314	134 917	75 062	55 374	27 596
1 909 625	950 362	1 460 615	707 699	584 447	295 652	458 604	225 492
1 408 904	681 937	1 273 248	620 320	441 667	216 061	402 267	197 939
500 721	268 425	187 367	87 379	142 780	79 591	56 337	27 553

Table 38. Education at the second level (general, vocational)

School Year and type of education	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
1993 Total	1 107	884	91 711	49 560	74 925	40 834
General	898	789	72 875	41 466	63 916	36 870
Vocational	209	95	18 836	8 094	11 009	3 964
1994 Total	1 113	890	93 617	51 403	76 038	42 095
General	907	795	74 465	42 943	64 986	38 017
Vocational	206	95	19 152	8 460	11 052	4 078
1995 Total	1 123	900	96 222	53 551	77 635	43 574
General	920	804	76 562	44 650	66 489	39 405
Vocational	203	96	19 660	8 901	11 146	4 169
1996 Total	1 138	914	98 437	55 087	79 189	44 825
General	934	816	78 246	45 923	67 908	40 552
Vocational	204	98	20 191	9 164	11 281	4 273
1997 Total	1 151	926	99 411	56 234	79 664	45 622
General	947	827	79 001	46 804	68 263	41 202
Vocational	204	99	20 410	9 430	11 401	4 420
1998 Total	1 158	933	98 857	56 378	78 707	45 537
General	957	834	78 455	46 817	67 267	40 986
Vocational	201	99	20 402	9 561	11 440	4 551
1999 Total	1 171	946	98 709	57 105	78 901	46 401
General	972	849	78 506	47 590	67 351	41 691
Vocational	199	97	20 203	9 515	11 550	4 710
2000 Total	1 174	949	98 677	57 775	79 144	47 103
General	986	854	79 865	48 823	67 712	42 322
Vocational	188	95	18 812	8 952	11 432	4 781
2001 Total	1 181	958	98 609	58 674	80 026	48 509
General	1 003	863	81 212	50 402	68 693	43 644
Vocational	178	95	17 397	8 272	11 333	4 865
2002 Total	1 188	965	97 710	58 857	79 484	48 929
General	1 018	870	81 499	51 061	68 437	44 031
Vocational	170	95	16 211	7 796	11 047	4 898



**and teacher-training) : institutions, teachers, students and graduates (continued)**

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
1 941 241	963 970	1 472 445	711 917	614 714	308 639	477 300	233 494
1 426 030	689 151	1 282 145	623 221	461 828	224 758	418 884	205 195
515 211	274 819	190 300	88 696	152 886	83 881	58 416	28 299
1 947 022	967 557	1 462 300	706 269	614 967	309 391	472 439	230 851
1 423 040	688 379	1 271 382	618 274	457 387	223 034	412 938	202 393
523 982	279 178	190 918	87 995	157 580	86 357	59 501	28 458
1 935 613	960 636	1 444 511	696 809	614 291	308 874	468 760	228 574
1 412 201	683 096	1 253 611	609 314	456 361	222 503	408 842	199 991
523 412	277 540	190 900	87 495	157 930	86 371	59 918	28 583
1 908 935	945 015	1 410 920	680 266	621 270	311 154	468 051	227 683
1 388 782	673 103	1 223 805	595 717	458 629	223 183	408 435	199 757
520 153	271 912	187 115	84 549	162 641	87 971	59 616	27 926
1 874 747	926 433	1 369 862	661 564	607 709	304 568	455 351	221 948
1 365 683	664 039	1 185 949	578 833	448 472	218 959	396 512	194 364
509 064	262 394	183 913	82 731	159 237	85 609	58 839	27 584
1 814 202	893 253	1 311 482	633 615	595 872	296 746	439 614	213 735
1 321 147	643 691	1 130 337	552 919	437 319	214 081	382 625	187 807
493 055	249 562	181 145	80 696	158 553	82 665	56 989	25 928
1 756 034	861 818	1 269 162	613 753	591 159	294 434	430 494	210 285
1 288 827	628 279	1 089 855	533 462	438 579	215 521	374 084	184 274
467 207	233 539	179 307	80 291	152 580	78 913	56 410	26 011
1 713 489	836 803	1 247 543	604 424	551 631	273 352	400 804	195 619
1 286 123	625 166	1 078 063	526 860	408 255	200 161	345 395	170 146
427 366	211 637	169 480	77 564	143 376	73 191	55 409	25 473
1 684 449	817 970	1 256 947	607 726	546 844	268 986	401 875	194 842
1 306 718	634 979	1 098 938	536 449	412 831	201 414	347 505	169 619
377 731	182 991	158 009	71 277	134 013	67 572	54 370	25 223
1 679 959	810 660	1 264 353	609 195	552 329	270 851	411 034	201 411
1 340 332	650 851	1 120 428	545 620	438 288	213 543	364 122	178 014
339 627	159 809	143 925	63 575	114 041	57 308	46 912	23 397

Table 38. Education at the second level (general, vocational

School Year and type of education	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
2003 Total	1 192	973	97 738	59 421	79 638	49 555
General	1 028	880	81 967	51 758	68 819	44 655
Vocational	164	93	15 771	7 663	10 819	4 900
2004 Total	1 196	975	97 432	59 722	79 507	49 957
General	1 035	882	81 928	52 112	68 622	44 887
Vocational	161	93	15 504	7 610	10 885	5 070
2005 Total	1 203	987	98 499	60 735	80 027	50 575
General	1 046	894	82 909	53 032	69 142	45 456
Vocational	157	93	15 590	7 703	10 885	5 119
2006 Total	1 210	991	100 498	62 263	81 879	51 914
General	1 054	899	84 330	54 147	70 427	46 386
Vocational	156	92	16 168	8 116	11 452	5 528
2007 Total	1 216	994	102 333	63 768	83 504	53 244
General	1 060	902	86 075	55 528	71 989	47 639
Vocational	156	92	16 258	8 240	11 515	5 605
2008 Total	1 217	994	103 006	64 350	84 162	53 786
General	1 061	902	86 536	55 942	72 627	48 108
Vocational	156	92	16 470	8 408	11 535	5 678
2009 Total	1 226	1 000	104 064	65 287	85 109	54 555
General	1 070	908	87 479	56 698	73 482	48 750
Vocational	156	92	16 585	8 589	11 627	5 805
2010 Total	1 231	1 006	105 128	66 066	85 733	55 082
General	1 075	914	88 222	57 233	73 932	49 128
Vocational	156	92	16 906	8 833	11 801	5 954
2011 Total	1 233	1 009	104 583	65 872	85 269	54 836
General	1 078	917	87 607	56 962	73 349	48 801
Vocational	155	92	16 976	8 910	11 920	6 035
2012 Total	1 235	1 009	106 205	67 017	86 725	55 926
General	1 080	917	89 039	57 997	74 653	49 759
Vocational	155	92	17 166	9 020	12 072	6 167

**and teacher-training) : institutions, teachers, students and graduates (continued)**

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
1 676 970	804 052	1 262 465	604 932	531 365	258 890	409 525	198 418
1 350 974	655 562	1 126 447	547 518	432 258	211 256	366 015	178 977
325 996	148 490	136 018	57 414	99 107	47 634	43 510	19 441
1 692 721	809 291	1 261 203	603 970	542 853	261 539	417 867	200 664
1 366 562	662 368	1 130 376	548 912	446 418	216 594	376 813	182 834
326 159	146 923	130 827	55 058	96 435	44 945	41 054	17 830
1 703 414	813 764	1 255 543	600 446	544 551	262 622	410 855	197 933
1 371 810	665 631	1 126 896	546 397	447 201	217 667	371 251	180 556
331 604	148 133	128 647	54 049	97 350	44 955	39 604	17 377
1 707 038	813 895	1 256 213	599 516	548 009	264 876	409 229	197 669
1 371 484	664 976	1 128 267	546 206	448 721	218 880	370 252	180 611
335 554	148 919	127 946	53 310	99 288	45 996	38 977	17 058
1 707 331	813 162	1 259 443	600 570	556 076	267 841	414 164	198 705
1 367 834	663 878	1 130 528	547 339	453 886	221 300	374 755	181 778
339 497	149 284	128 915	53 231	102 190	46 541	39 409	16 927
1 704 855	812 197	1 259 493	601 358	550 813	264 726	413 074	198 126
1 358 292	659 461	1 129 783	547 662	447 749	218 222	373 016	181 159
346 563	152 736	129 710	53 696	103 064	46 504	40 058	16 967
1 706 325	812 741	1 260 933	601 340	551 988	265 728	414 161	199 483
1 351 717	655 878	1 129 760	547 424	447 061	218 642	373 386	182 266
354 608	156 863	131 173	53 916	104 927	47 086	40 775	17 217
1 682 958	801 748	1 234 686	587 617	555 710	267 512	415 679	199 848
1 320 444	640 658	1 102 624	533 684	445 873	217 468	374 327	182 142
362 514	161 090	132 062	53 933	109 837	50 044	41 352	17 706
1 641 633	781 641	1 193 505	566 690	547 524	263 903	409 457	196 297
1 275 184	618 665	1 060 041	513 114	437 661	213 512	368 016	179 036
366 449	162 976	133 464	53 576	109 863	50 391	41 441	17 261
1 617 004	768 981	1 168 163	553 882	...	...	...	...
1 247 572	604 836	1 033 159	499 993	...	...	...	...
369 432	164 145	135 004	53 889	...	...	...	...

Table 39. Education at the third level :

School Year	Institution (Numbers)				Teaching staff (Persons)					
	Total	Public	Junior college	Univ. and college	Total		Public		Junior college	Univ. and college
					Both sexes	Female	Sub-total	Female		
1983	105	36	77	28	19 166	5 469	9 075	2 099	8 903	10 263
1984	105	36	77	28	20 061	5 751	9 484	2 254	9 434	10 627
1985	105	36	77	28	20 848	6 156	9 823	2 399	9 944	10 904
1986	105	36	77	28	21 769	6 486	10 223	2 530	10 444	11 325
1987	107	37	68	39	22 849	6 849	10 664	2 667	10 038	12 811
1988	109	37	70	39	23 809	7 241	11 018	2 741	10 542	13 267
1989	116	39	75	41	25 581	7 871	11 601	2 893	11 624	13 957
1990	121	39	75	46	27 579	8 566	12 295	3 123	12 409	15 170
1991	123	41	73	50	29 444	9 208	12 992	3 335	12 620	16 824
1992	124	42	74	50	31 430	9 995	14 183	3 755	13 639	17 791
1993	125	42	74	51	33 392	10 775	14 824	3 989	14 607	18 785
1994	130	45	72	58	35 163	11 599	15 335	4 173	15 125	20 038
1995	134	50	74	60	36 348	12 182	15 885	4 354	15 442	20 906
1996	137	51	70	67	37 779	12 791	16 268	4 543	14 717	23 062
1997	139	51	61	78	38 806	13 228	16 400	4 624	12 243	26 563
1998	137	49	53	84	40 149	13 819	16 634	4 711	11 427	28 722
1999	141	50	36	105	41 949	14 485	16 955	4 931	7 205	34 744
2000	150	53	23	127	43 391	15 032	17 115	5 054	3 826	39 565
2001	154	53	19	135	44 769	15 517	17 309	5 189	2 694	42 075
2002	154	53	15	139	46 042	15 898	17 638	5 326	1 931	44 111
2003	158	54	16	142	47 472	16 376	17 964	5 465	1 770	45 702
2004	159	54	14	145	48 649	16 674	18 235	5 627	1 402	47 247
2005	162	54	17	145	49 601	16 961	18 533	5 709	1 554	48 047
2006	163	55	16	147	50 388	17 192	18 938	5 863	1 393	48 995
2007	164	55	15	149	51 128	17 457	19 215	5 983	1 320	49 808
2008	162	53	15	147	51 501	17 685	19 567	6 135	1 423	50 078
2009	164	54	15	149	50 658	17 026	19 047	5 695	1 467	49 191
2010	163	54	15	148	50 684	17 229	19 375	5 828	1 598	49 086
2011	163	54	15	148	50 332	17 252	19 620	5 941	1 691	48 641
2012	162	53	14	148	50 158	17 401	19 733	5 999	1 738	48 420

**institutions, teachers, students and graduates**

Students enrolled (Persons)							Graduates (Persons)						
Total		Public		Junior college	Univ. and college	Graduate school	Total		Public		Junior college	Univ. and college	Graduate school
Both sexes	Female	Sub-total	Female				Both sexes	Female	Sub-total	Female			
395 153	167 558	123 635	51 149	216 165	169 341	9 647	84 909	35 194	28 247	11 412	46 227	35 716	2 966
412 381	177 795	128 294	54 346	227 492	173 908	10 981	88 357	36 905	28 380	11 414	47 877	36 998	3 482
428 576	185 349	132 696	56 489	236 824	179 334	12 418	97 289	41 520	32 197	14 021	54 703	38 625	3 961
442 648	192 295	132 812	55 258	244 482	184 729	13 437	99 838	43 341	32 978	14 358	56 408	39 065	4 365
464 664	204 537	137 450	56 996	256 610	192 933	15 121	102 242	44 511	33 948	14 578	57 082	40 380	4 780
496 530	221 935	145 257	59 237	271 710	207 479	17 341	105 676	46 038	33 164	13 302	58 912	41 406	5 358
535 064	243 806	155 554	63 421	293 204	222 311	19 549	114 313	51 251	36 894	15 533	65 177	42 952	6 184
576 623	266 090	167 442	69 198	315 169	239 082	22 372	129 193	59 640	41 451	16 899	72 867	49 399	6 927
612 376	282 989	176 658	72 668	332 127	253 462	26 787	144 354	69 561	43 950	18 525	81 683	54 375	8 296
653 162	303 359	199 447	81 944	348 803	273 088	31 271	156 600	77 235	50 438	21 101	87 427	59 478	9 695
689 185	321 152	210 416	87 259	367 373	285 982	35 830	172 849	85 001	53 905	22 208	98 433	63 160	11 256
720 180	341 172	217 240	92 107	378 860	302 093	39 227	181 170	86 890	56 542	23 112	100 793	67 823	12 554
751 347	364 783	227 679	98 355	394 751	314 499	42 097	189 563	92 787	60 819	24 945	105 113	70 748	13 702
795 547	392 583	235 332	103 324	412 837	337 837	44 873	196 384	97 421	61 248	25 579	107 626	74 255	14 503
856 186	428 447	247 825	109 775	433 865	373 702	48 619	215 412	111 015	70 147	31 557	114 182	85 802	15 428
915 921	460 882	258 003	115 079	452 346	409 705	53 870	224 630	116 906	66 970	29 869	120 886	87 421	16 323
994 283	497 710	275 190	121 568	457 020	470 030	67 233	247 890	129 405	71 451	31 727	129 507	100 171	18 212
1 092 102	542 885	295 184	129 394	444 182	564 059	83 861	266 561	136 962	73 509	32 085	126 916	117 430	22 215
1 187 225	591 374	318 314	139 437	406 841	677 171	103 213	296 884	150 274	79 490	34 499	123 317	146 166	27 401
1 240 292	620 120	337 682	149 009	347 247	770 915	122 130	318 867	161 801	82 744	35 537	110 208	176 044	32 615
1 270 194	637 125	356 383	158 473	289 025	837 602	143 567	321 808	163 236	89 493	39 208	91 009	192 854	37 945
1 285 867	640 654	369 889	164 900	230 938	894 528	160 401	336 865	171 363	91 608	40 363	81 603	210 763	44 499
1 296 558	638 858	384 935	170 524	180 886	938 648	177 024	325 106	166 121	94 321	42 161	56 837	219 919	48 350
1 313 993	641 555	400 029	177 113	153 978	966 591	193 424	325 274	165 184	97 778	43 404	43 803	228 645	52 826
1 326 029	646 014	412 035	183 166	133 890	987 914	204 225	323 540	162 371	101 953	45 897	35 815	230 198	57 527
1 337 455	654 341	422 736	189 646	117 653	1 006 102	213 700	317 162	159 976	103 598	47 095	28 014	227 885	61 263
1 336 659	656 621	430 308	194 500	108 555	1 010 952	217 152	315 039	158 955	104 608	47 605	24 668	227 174	63 197
1 343 603	662 549	436 216	197 689	102 789	1 021 636	219 178	313 211	159 106	107 560	49 240	20 463	228 878	63 870
1 352 084	668 717	436 861	198 248	101 300	1 032 985	217 799	315 564	161 406	108 596	50 086	19 205	232 448	63 911
1 355 290	671 844	437 026	197 598	101 424	1 038 041	215 825	...	...	...	...	...	...	...

Table 40. Education at the special and other levels :

School Year and type of education	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
1983 Total	403	253	5 017	1 932	1 572	628
Special	10	8	544	339	524	326
Others	393	245	4 473	1 593	1 048	302
1984 Total	424	275	4 548	1 822	1 565	625
Special	10	8	564	359	543	344
Others	414	267	3 984	1 463	1 022	281
1985 Total	432	283	4 325	1 758	1 796	720
Special	10	8	568	371	547	355
Others	422	275	3 757	1 387	1 249	365
1986 Total	449	303	4 548	1 814	1 651	691
Special	10	8	584	389	561	372
Others	439	295	3 964	1 425	1 090	319
1987 Total	472	326	4 926	2 023	1 711	725
Special	10	8	617	404	593	389
Others	462	318	4 309	1 619	1 118	336
1988 Total	500	357	4 597	1 942	1 859	784
Special	10	8	641	419	607	393
Others	490	349	3 956	1 523	1 252	391
1989 Total	511	367	5 196	2 198	2 047	894
Special	11	9	750	501	711	470
Others	500	358	4 446	1 697	1 336	424
1990 Total	544	401	3 890	1 758	2 140	953
Special	11	9	875	602	819	556
Others	533	392	3 015	1 156	1 321	397
1991 Total	579	432	3 982	1 801	2 233	1 038
Special	11	9	972	674	918	625
Others	568	423	3 010	1 127	1 315	413
1992 Total	660	519	4 138	2 013	2 177	1 044
Special	13	11	996	693	942	642
Others	647	508	3 142	1 320	1 235	402

**institutions, teachers, students and graduates**

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
265 599	156 649	126 947	82 165	72 937	44 225	35 357	23 850
2 829	1 213	2 744	1 182	654	289	643	285
262 770	155 436	124 203	80 983	72 283	43 936	34 714	23 565
272 971	159 648	132 282	84 503	71 646	43 636	35 300	23 724
2 883	1 253	2 793	1 217	665	298	657	296
270 088	158 395	129 489	83 286	70 981	43 338	34 643	23 428
278 593	161 423	137 565	86 779	72 462	45 207	37 387	25 151
2 954	1 278	2 864	1 240	684	307	679	306
275 639	160 145	134 701	85 539	71 778	44 900	36 708	24 845
308 738	180 906	160 773	101 637	76 270	46 111	37 589	24 483
3 039	1 293	2 950	1 253	722	325	715	319
305 699	179 613	157 823	100 384	75 548	45 786	36 874	24 164
301 015	177 326	158 135	100 558	74 649	42 347	38 822	24 787
2 948	1 257	2 843	1 217	666	294	658	291
298 067	176 069	155 292	99 341	73 983	42 053	38 164	24 496
302 692	177 802	162 946	102 696	81 516	45 431	40 844	21 900
2 998	1 343	2 868	1 295	639	288	632	285
299 694	176 459	160 078	101 401	80 877	45 143	40 212	21 615
282 036	165 002	151 086	86 755	73 046	45 348	38 152	25 675
3 163	1 350	3 030	1 300	635	282	632	282
278 873	163 652	148 056	85 455	72 411	45 066	37 520	25 393
293 542	170 334	161 432	102 865	71 836	43 988	37 673	24 988
3 359	1 434	3 158	1 349	731	298	722	293
290 183	168 900	158 274	101 516	71 105	43 690	36 951	24 695
312 481	177 259	173 219	108 856	73 579	42 539	37 528	23 834
3 620	1 546	3 345	1 437	853	371	846	369
308 861	175 713	169 874	107 419	72 726	42 168	36 682	23 465
331 640	186 999	186 631	117 338	81 700	47 938	44 037	28 276
3 765	1 599	3 582	1 521	1 016	435	1 000	429
327 875	185 400	183 049	115 817	80 684	47 503	43 037	27 847

Table 40. Education at the special and other levels :

School Year and type of education	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
1993 Total	737	596	4 240	2 027	2 341	1 122
Special	13	11	1 053	736	1 001	688
Others	724	585	3 187	1 291	1 340	434
1994 Total	818	675	4 465	2 191	2 581	1 271
Special	16	14	1 203	838	1 147	788
Others	802	661	3 262	1 353	1 434	483
1995 Total	863	724	4 704	2 341	2 717	1 368
Special	17	15	1 324	919	1 262	863
Others	846	709	3 380	1 422	1 455	505
1996 Total	903	754	4 827	2 407	2 784	1 431
Special	17	15	1 386	962	1 320	903
Others	886	739	3 441	1 445	1 464	528
1997 Total	955	799	4 904	2 473	2 901	1 515
Special	17	15	1 470	1 019	1 414	970
Others	938	784	3 434	1 454	1 487	545
1998 Total	1 005	845	5 086	2 619	3 021	1 629
Special	20	18	1 532	1 079	1 479	1 031
Others	985	827	3 554	1 540	1 542	598
1999 Total	1 015	839	4 970	2 581	3 117	1 690
Special	23	21	1 629	1 135	1 576	1 086
Others	992	818	3 341	1 446	1 541	604
2000 Total	997	812	4 929	2 551	3 066	1 682
Special	23	21	1 601	1 098	1 547	1 048
Others	974	791	3 328	1 453	1 519	634
2001 Total	978	779	4 947	2 570	3 012	1 692
Special	24	22	1 639	1 143	1 586	1 094
Others	954	757	3 308	1 427	1 426	598
2002 Total	978	782	4 882	2 586	3 053	1 749
Special	25	23	1 647	1 172	1 595	1 122
Others	953	759	3 235	1 414	1 458	627



**institutions, teachers, students and graduates** (continued)

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
337 705	189 478	193 144	121 541	85 396	48 843	45 542	28 719
3 980	1 667	3 807	1 592	952	408	933	397
333 725	187 811	189 337	119 949	84 444	48 435	44 609	28 322
339 637	190 885	195 617	117 558	88 377	51 220	47 561	30 772
4 506	1 916	4 327	1 841	1 064	442	1 059	441
335 131	188 969	191 290	115 717	87 313	50 778	46 502	30 331
327 342	182 038	191 570	119 322	84 691	48 226	45 996	29 616
4 822	1 994	4 636	1 914	1 141	509	1 123	499
322 520	180 044	186 934	117 408	83 550	47 717	44 873	29 117
316 151	175 753	184 975	114 917	82 711	46 526	45 219	28 655
5 203	2 151	5 019	2 073	1 329	558	1 301	545
310 948	173 602	179 956	112 844	81 382	45 968	43 918	28 110
327 837	183 754	200 489	123 800	78 251	43 295	43 227	26 847
5 357	2 176	5 191	2 111	1 559	624	1 546	618
322 480	181 578	195 298	121 689	76 692	42 671	41 681	26 229
336 182	189 770	206 027	127 912	79 735	44 457	44 667	26 654
5 588	2 273	5 421	2 205	1 489	617	1 474	610
330 594	187 497	200 606	125 707	78 246	43 840	43 193	26 044
331 535	185 754	197 540	121 129	80 352	45 599	45 389	28 617
5 697	2 295	5 521	2 225	1 542	627	1 524	623
325 838	183 459	192 019	118 904	78 810	44 972	43 865	27 994
328 339	183 078	187 558	114 381	82 722	46 479	46 105	28 702
5 989	2 422	5 817	2 350	1 798	699	1 785	695
322 350	180 656	181 741	112 031	80 924	45 780	44 320	28 007
310 623	172 354	172 167	104 825	81 060	45 043	41 371	25 272
5 860	2 374	5 688	2 303	1 692	693	1 679	689
304 763	169 980	166 479	102 522	79 368	44 350	39 692	24 583
297 482	164 869	165 985	102 605	79 615	43 828	39 376	23 820
5 800	2 351	5 654	2 298	1 740	718	1 737	717
291 682	162 518	160 331	100 307	77 875	43 110	37 639	23 103

Table 40. Education at the special and other levels :

School Year and type of education	Institution (Numbers)		Teaching staff (Persons)			
	Total	Public	Total		Public	
			Both sexes	Female	Sub-total	Female
2003 Total	958	758	4 583	2 509	2 934	1 757
Special	24	23	1 687	1 205	1 638	1 157
Others	934	735	2 896	1 304	1 296	600
2004 Total	931	737	4 394	2 415	2 858	1 729
Special	24	23	1 693	1 199	1 643	1 151
Others	907	714	2 701	1 216	1 215	578
2005 Total	916	715	4 148	2 348	2 718	1 685
Special	24	23	1 709	1 223	1 659	1 176
Others	892	692	2 439	1 125	1 059	509
2006 Total	901	702	3 363	1 963	2 024	1 339
Special	24	23	1 736	1 234	1 686	1 190
Others	877	679	1 627	729	338	149
2007 Total	888	688	3 300	1 955	2 039	1 376
Special	24	23	1 761	1 277	1 710	1 233
Others	864	665	1 539	678	329	143
2008 Total	869	672	3 226	1 954	2 016	1 371
Special	24	23	1 734	1 260	1 695	1 228
Others	845	649	1 492	694	321	143
2009 Total	858	661	3 226	1 995	2 048	1 401
Special	24	23	1 738	1 274	1 701	1 244
Others	834	638	1 488	721	347	157
2010 Total	858	653	3 185	1 970	2 057	1 401
Special	24	23	1 790	1 302	1 752	1 271
Others	834	630	1 395	668	305	130
2011 Total	850	645	3 131	1 925	2 089	1 412
Special	27	26	1 829	1 313	1 789	1 282
Others	823	619	1 302	612	300	130
2012 Total	830	626	3 087	1 931	2 103	1 447
Special	27	26	1 827	1 328	1 785	1 295
Others	803	600	1 260	603	318	152

**institutions, teachers, students and graduates (continued)**

Students enrolled (Persons)				Graduates (Persons)			
Total		Public		Total		Public	
Both sexes	Female	Sub-total	Female	Both sexes	Female	Sub-total	Female
284 045	154 448	157 373	96 876	76 181	41 274	38 038	22 691
5 921	2 404	5 774	2 347	1 728	690	1 714	687
278 124	152 044	151 599	94 529	74 453	40 584	36 324	22 004
273 070	145 456	146 470	90 486	79 815	42 637	37 710	21 085
6 119	2 489	5 973	2 429	1 541	641	1 523	633
266 951	142 967	140 497	88 057	78 274	41 996	36 187	20 452
263 300	137 976	138 923	85 124	74 548	39 269	36 105	21 866
6 361	2 573	6 215	2 511	1 744	712	1 722	701
256 939	135 403	132 708	82 613	72 804	38 557	34 383	21 165
265 646	139 605	135 234	84 355	74 278	38 396	33 973	20 707
6 588	2 664	6 440	2 603	1 853	759	1 821	747
259 058	136 941	128 794	81 752	72 425	37 637	32 152	19 960
263 834	136 479	131 309	79 645	76 988	39 506	33 595	20 031
6 765	2 709	6 627	2 659	1 832	752	1 798	733
257 069	133 770	124 682	76 986	75 156	38 754	31 797	19 298
260 400	132 240	130 028	76 168	78 260	39 252	34 957	19 713
6 875	2 710	6 747	2 667	1 942	759	1 924	753
253 525	129 530	123 281	73 501	76 318	38 493	33 033	18 960
247 531	124 766	123 943	71 824	74 826	37 028	32 975	18 547
7 145	2 806	7 027	2 766	2 016	782	2 004	779
240 386	121 960	116 916	69 058	72 810	36 246	30 971	17 768
235 482	117 641	116 213	66 441	73 099	36 023	32 684	17 988
7 006	2 786	6 894	2 747	2 038	824	2 024	818
228 476	114 855	109 319	63 694	71 061	35 199	30 660	17 170
219 509	108 826	107 077	60 532	68 792	33 950	30 600	16 858
7 014	2 782	6 899	2 739	2 184	837	2 170	831
212 495	106 044	100 178	57 793	66 608	33 113	28 430	16 027
201 952	99 997	97 787	54 833	...	...	...	...
6 885	2 739	6 763	2 696	...	...	...	...
195 067	97 258	91 024	52 137	...	...	...	...

Table 41. Enrollment rates by school-age population group

%

School Year	6-21 years	6-14 years	6-11 years (1st level)	12-17 years (2nd level)			18-21 years <sup>1</sup> (3rd level)		
				Total	Male	Female	Total	Male	Female
<b>Net enrollment rates</b>									
1993	79.79	98.12	99.31	87.43	85.80	89.15	25.61	24.99	26.26
1994	79.11	97.47	98.36	88.59	86.59	90.71	26.26	24.99	27.60
1995	79.38	98.36	99.06	88.84	87.03	90.75	27.79	25.88	29.78
1996	78.95	98.23	99.02	89.57	87.93	91.31	29.07	26.88	31.37
1997	79.26	98.38	98.62	90.79	89.23	92.45	31.09	28.35	33.97
1998	80.04	98.15	97.78	91.68	90.31	93.13	33.32	30.19	36.61
1999	80.40	98.24	97.81	92.56	91.29	93.91	35.43	32.14	38.90
2000	81.23	98.00	98.78	92.19	90.96	93.49	38.70	35.47	42.11
2001	82.29	97.32	98.19	92.92	91.83	94.07	42.51	38.98	46.23
2002	83.44	97.15	98.04	93.74	92.84	94.72	45.68	42.14	49.41
2003	84.63	96.74	97.30	93.83	93.03	94.69	49.05	45.33	52.99
2004	86.55	97.68	98.23	93.63	92.94	94.39	53.20	49.58	57.04
2005	87.71	98.68	98.46	93.63	93.05	94.26	57.42	54.00	61.06
2006	88.55	98.11	97.77	94.91	94.42	95.43	59.83	56.70	63.16
2007	89.26	97.84	97.79	94.56	94.23	94.92	61.41	58.33	64.71
2008	89.70	97.75	97.74	95.16	94.85	95.51	63.76	60.42	67.37
2009	89.93	97.95	98.01	95.35	94.99	95.74	64.98	61.34	68.93
2010	90.45	97.89	97.97	96.88	96.61	97.18	67.27	63.51	71.37
2011 r	90.56	97.86	97.88	96.69	96.28	97.13	68.27	64.48	72.38
2012	90.77	97.90	97.79	95.86	95.43	96.34	69.90	66.02	74.11
<b>Gross enrollment rates</b>									
1993	83.86	100.95	101.77	95.32	93.67	97.06	37.93	38.63	37.19
1994	83.26	100.37	100.90	95.93	94.02	97.96	38.32	38.43	38.21
1995	83.17	100.94	101.39	95.66	93.84	97.59	39.44	38.54	40.39
1996	83.00	101.01	101.12	95.79	94.06	97.63	40.90	39.24	42.64
1997	83.39	101.12	100.63	97.21	95.60	98.92	43.08	40.71	45.58
1998	84.62	100.89	99.80	98.55	97.12	100.07	46.98	44.30	49.79
1999	85.61	100.85	99.67	99.61	98.26	101.04	50.52	48.00	53.17
2000	87.23	100.28	100.49	99.23	98.05	100.49	56.14	53.87	58.54
2001	89.07	99.53	99.66	99.44	98.31	100.64	62.96	60.44	65.62
2002	90.56	99.57	99.99	99.33	98.31	100.43	67.56	64.52	70.78
2003	91.87	100.02	99.54	99.03	98.16	99.96	72.37	68.76	76.18
2004	93.87	100.43	100.77	98.30	97.58	99.09	78.11	74.62	81.80
2005	94.73	100.17	100.34	97.91	97.30	98.58	82.02	79.13	85.08
2006	95.33	99.52	99.54	99.14	98.63	99.68	83.58	81.37	85.94
2007	96.05	100.21	100.82	98.68	98.27	99.11	85.31	83.25	87.52
2008	95.52	100.21	100.70	99.24	98.94	99.56	83.18	80.75	85.81
2009	95.25	100.43	101.40	98.98	98.77	99.20	82.17	79.52	85.06
2010	95.60	100.47	99.68	100.30	100.05	100.57	83.77	80.80	87.01
2011 r	95.45	100.62	100.37	100.02	99.61	100.47	83.37	80.37	86.64
2012	95.55	100.76	101.44	98.96	98.51	99.44	84.43	81.27	87.86

Notes : <sup>1</sup> 3rd level gross enrollment rates refers to education at colleges and universities, excluding the first three years of education at 5-year junior colleges, graduate schools and continuing schools.

**Table 42. Net percentage of graduates entering advanced levels**

%

School Year	Elementary school			Junior high school			Senior high school			Vocational school		
	Average	Male	Female	Average	Male	Female	Average	Male	Female	Average	Male	Female
1983	97.95	98.77	97.09	69.55	68.47	70.72	46.40	40.01	53.79	...	...	...
1984	98.70	99.48	97.87	70.54	68.98	72.21	44.36	38.31	51.18	...	...	...
1985	98.73	99.07	98.38	71.31	70.08	72.62	40.19	35.53	45.68	...	...	...
1986	99.04	99.47	98.59	77.13	73.96	80.50	40.98	36.31	46.45	...	...	...
1987	99.51	99.37	99.65	79.32	75.34	83.19	46.26	38.87	54.63	2.83	4.43	1.35
1988	99.09	99.16	99.02	79.51	75.70	83.52	45.53	37.29	54.86	4.57	7.72	2.50
1989	99.62	99.79	99.44	79.60	76.80	82.47	44.40	39.86	49.29	7.00	8.84	5.41
1990	99.77	99.98	99.56	84.70	81.40	88.09	48.58	46.38	50.94	12.92	12.01	13.68
1991	99.28	99.34	99.22	86.09	83.08	89.19	51.94	55.24	48.43	13.68	14.47	13.04
1992	99.54	99.37	99.71	88.32	85.17	91.58	59.15	63.61	54.29	13.71	14.87	12.78
1993	99.53	99.27	99.80	87.78	84.94	90.75	61.32	64.47	58.29	18.03	18.44	17.71
1994	99.83	99.77	99.89	88.49	85.79	91.31	57.38	55.64	59.32	16.22	16.11	16.31
1995	99.75	99.77	99.72	89.17	86.73	91.71	56.58	53.01	60.51	17.84	17.13	18.43
1996	98.89	98.70	99.09	90.70	88.59	92.91	58.88	55.31	62.71	17.71	16.67	18.58
1997	99.18	99.19	99.18	92.02	90.15	93.98	61.95	60.30	63.73	23.32	22.53	23.99
1998	99.60	99.46	99.75	93.94	92.64	95.30	67.43	66.43	68.46	24.74	22.85	26.37
1999	99.89	99.88	99.91	94.73	94.69	94.79	74.35	75.58	73.10	30.14	28.04	32.07
2000	99.79	99.78	99.79	95.31	94.46	96.20	74.77	75.43	74.11	36.90	33.52	40.07
2001	99.15	99.34	98.98	95.97	94.91	97.10	77.13	77.41	76.86	42.72	38.48	46.78
2002	99.70	99.64	99.76	95.48	94.81	96.20	81.21	81.09	81.32	46.58	42.91	50.17
2003	99.44	99.44	99.44	95.74	94.74	96.82	82.20	80.78	83.60	56.02	50.95	61.04
2004	99.42	99.45	99.39	96.03	95.26	96.86	86.01	84.98	87.00	62.72	59.39	66.32
2005	99.31	99.21	99.41	94.88	93.52	96.38	88.44	87.28	89.56	66.61	63.90	69.71
2006	99.54	99.68	99.39	96.23	95.66	96.86	91.13	90.48	91.75	69.79	67.61	72.34
2007	99.66	99.63	99.69	96.26	95.46	97.12	93.61	93.07	94.12	72.96	71.50	74.64
2008	99.79	99.74	99.83	95.38	94.76	96.06	95.34	94.76	95.91	76.47	74.95	78.28
2009	99.85	99.93	99.76	97.63	97.42	97.86	95.56	94.88	96.23	76.91	75.27	78.90
2010	99.89	99.92	99.85	98.15	97.83	98.50	95.24	94.45	96.01	79.64	78.02	81.62
2011 r	99.91	99.91	99.90	97.67	97.32	98.04	94.67	93.59	95.72	81.91	80.46	83.64
2012	99.91	99.96	99.85	99.15	98.99	99.33	94.75	93.39	96.09	83.51	81.54	85.82

**Notes :** Current-year junior high school graduates advancing to schools at next higher level for 1986 and thereafter included those attending the prolonged education classes.

**Table 43. Gross percentage of junior high & senior high school graduates entering advanced levels**

%

School Year	Graduate in junior high school			Graduate in senior high school		
	Average	Male	Female	Average	Male	Female
1983	91.69	91.84	91.52	82.33	78.81	86.40
1984	95.21	95.29	95.13	82.15	78.05	86.76
1985	95.66	96.62	94.63	80.32	77.74	83.37
1986	103.14	101.25	105.15	82.26	79.03	86.06
1987	102.70	101.08	104.40	85.50	83.49	87.77
1988	104.56	103.29	105.88	90.62	83.90	98.24
1989	104.01	104.75	103.25	88.21	85.61	91.00
1990	107.75	108.39	107.10	93.78	96.21	91.17
1991	105.24	106.20	104.26	96.37	109.79	82.06
1992	104.74	105.37	104.09	106.62	115.69	96.71
1993	106.06	107.09	104.98	100.95	107.27	94.33
1994	104.38	104.75	104.00	94.55	92.65	96.67
1995	105.24	106.02	104.42	95.86	95.05	96.76
1996	106.00	107.00	104.95	103.73	103.14	104.36
1997	106.52	107.10	105.90	106.39	108.13	104.51
1998	108.46	109.76	107.09	103.47	106.30	100.52
1999	109.45	110.92	107.91	108.60	110.79	106.40
2000	108.17	109.36	106.92	118.17	118.26	118.07
2001	107.51	108.57	106.39	...	...	...
2002	106.95	108.11	105.71	...	...	...
2003	104.94	105.51	104.32	...	...	...
2004	105.75	106.31	105.14	...	...	...
2005	104.70	105.04	104.33	...	...	...
2006	105.51	106.42	104.51	...	...	...
2007	105.67	106.89	104.33	...	...	...
2008	105.07	105.95	104.13	...	...	...
2009	104.96	106.11	103.71	...	...	...
2010	105.65	106.69	104.53	...	...	...
2011	105.28	106.03	104.46	...	...	...
2012	106.11	107.56	104.56	...	...	...

**Table 44. Number of students per teacher at all levels**

Persons

School Year	Elementary School	Junior high school	Senior high school	Vocational school	Junior college	University & college
1983	31.74	22.56	22.92	21.79	20.43	13.18
1984	31.79	22.24	22.39	21.63	20.00	13.29
1985	32.12	21.89	22.63	21.40	19.66	13.52
1986	31.59	21.63	22.70	21.17	19.38	13.47
1987	31.49	21.44	22.99	21.28	20.23	13.20
1988	30.90	21.64	22.91	21.15	20.54	13.39
1989	29.50	21.55	22.33	20.96	19.91	13.52
1990	28.51	21.55	22.26	21.08	19.63	13.64
1991	27.20	21.23	22.29	21.28	19.35	13.82
1992	26.19	20.93	22.31	22.10	19.16	13.90
1993	25.29	20.54	21.92	23.41	19.13	14.00
1994	24.15	20.13	21.35	22.12	18.88	14.18
1995	22.42	19.30	21.17	21.36	19.13	14.07
1996	21.46	18.30	20.62	21.06	19.16	14.61
1997	20.69	17.56	20.29	20.51	19.87	16.05
1998	20.11	16.80	19.97	20.12	20.09	16.79
1999	19.52	16.04	19.70	19.61	19.61	17.91
2000	18.96	15.60	19.69	20.51	20.08	19.07
2001	18.60	15.67	19.41	19.18	20.56	19.83
2002	18.39	16.05	19.41	18.19	20.97	20.00
2003	18.43	16.14	19.17	18.15	19.78	20.00
2004	18.31	16.28	19.39	18.42	19.57	19.88
2005	18.02	16.02	19.46	18.81	18.92	19.82
2006	17.86	15.70	19.29	18.41	21.01	19.64
2007	17.31	15.23	19.11	18.70	22.73	19.92
2008	16.74	15.08	18.91	19.01	23.65	20.18
2009	16.07	14.90	18.73	19.08	26.13	20.77
2010	15.26	14.31	18.58	18.69	26.74	21.07
2011 r	14.78	13.74	18.53	18.29	27.69	21.48
2012	14.08	13.00	18.29	17.83	28.34	21.82

**Notes :** Beginning SY1976, the category of junior high schools excluded the junior high classes attached to senior high schools, and the category of senior vocational schools excluded the senior vocational classes attached to senior high schools, and the category of senior vocational schools excluded the senior vocational classes attached to senior high schools. Meanwhile, the category of senior high schools included the junior high classes and the vocational classes attached to them. The categories of junior colleges, and universities colleges covered the day schools only, the teachers colleges were classified into the category of colleges and universities.

Table 45. Educational attainments

Year	Average length of education (years)			First level <sup>1</sup>		
	Average	Male	Female	Average	Male	Female
1988	7.80	8.74	6.78	53.46	45.39	62.11
1989	7.98	8.89	7.01	51.33	43.48	59.70
1990	8.19	9.07	7.24	48.94	41.13	57.24
1991	8.28	9.14	7.38	47.80	39.97	56.10
1992	8.48	9.31	7.59	45.49	37.94	53.45
1993	8.66	9.48	7.79	43.43	36.01	51.22
1994	8.73	9.53	7.89	42.38	35.20	49.90
1995	8.87	9.65	8.07	40.89	34.00	48.06
1996	9.05	9.81	8.27	38.97	32.29	45.87
1997	9.15	9.89	8.39	37.74	31.43	44.25
1998	9.28	9.98	8.57	36.26	30.20	42.50
1999	9.52	10.16	8.85	34.07	28.14	40.15
2000	9.64	10.27	8.99	32.93	27.10	38.88
2001	9.77	10.39	9.15	31.90	26.20	37.66
2002	9.96	10.56	9.35	30.66	24.95	36.42
2003	10.12	10.69	9.56	29.39	24.02	34.77
2004	10.29	10.83	9.75	28.18	23.13	33.23
2005	10.47	10.99	9.95	26.99	22.09	31.85
2006	10.65	11.15	10.16	25.76	21.16	30.31
2007	10.82	11.29	10.36	24.62	20.23	28.94
2008	10.99	11.44	10.55	23.61	19.39	27.74
2009	11.13	11.55	10.72	22.74	18.70	26.67
2010	11.27	11.66	10.90	21.84	18.01	25.54
2011	11.41	11.75	11.08	21.01	17.48	24.40
2012	11.53	11.80	11.28	20.22	17.16	23.14

**Notes :** The length of education is 6 years for elementary school, 3 years for junior high, 3 years for senior high and senior vocational, 2 years for Junior college, 4 years for bachelor degree, 2 years for M.A. degree, 2 years for P.h.D. degree.

<sup>1</sup> The category of first level included the illiterate and self-educated.



**of population aged 25 and over**

%

Second level			Third level		
Average	Male	Female	Average	Male	Female
34.12	38.72	29.20	12.41	15.89	8.69
35.84	40.17	31.21	12.84	16.35	9.08
37.46	41.69	32.97	13.60	17.19	9.79
38.56	42.89	33.98	13.63	17.14	9.92
40.08	44.02	35.92	14.44	18.04	10.63
41.27	44.98	37.36	15.31	19.01	11.42
42.06	45.61	38.33	15.56	19.19	11.77
42.77	46.20	39.20	16.34	19.80	12.74
43.72	46.95	40.38	17.31	20.76	13.75
44.06	46.81	41.21	18.20	21.76	14.54
44.63	47.34	41.84	19.11	22.46	15.66
45.77	48.24	43.25	20.15	23.62	16.60
46.14	48.43	43.81	20.92	24.47	17.31
46.22	48.45	43.95	21.89	25.34	18.38
45.95	48.26	43.63	23.38	26.80	19.94
46.08	48.30	43.85	24.54	27.69	21.38
45.96	47.92	44.01	25.86	28.96	22.77
45.55	47.54	43.59	27.46	30.37	24.56
45.36	47.19	43.55	28.88	31.65	26.14
45.13	46.95	43.35	30.24	32.82	27.72
44.58	46.47	42.74	31.80	34.15	29.52
44.18	46.17	42.25	33.08	35.13	31.08
43.75	45.81	41.77	34.40	36.18	32.68
43.40	45.62	41.28	35.59	36.91	34.33
43.09	45.59	40.70	36.69	37.25	36.16

Table 46. Total educational expenditures

Thousand NT\$

Fiscal Year	Total	Public sector	Government's educational expenditure			Private sector
			Amount	Per capita expenditure	as % of total public expenditure	
1983	110 942 492	91 864 372	91 864 372	4.889	16.51	19 078 120
1984	111 121 047	89 206 666	89 206 666	4.678	16.28	21 914 381
1985	123 915 028	100 352 921	100 352 921	5.196	16.57	23 562 107
1986	137 899 432	112 949 397	112 949 397	5.790	16.45	24 950 035
1987	148 047 536	119 030 192	119 030 192	6.034	16.54	29 017 344
1988	168 382 593	135 970 263	135 970 263	6.814	17.27	32 412 330
1989	200 549 624	163 094 485	163 094 485	8.091	17.39	37 455 139
1990	245 279 765	202 364 354	202 364 354	9.919	17.47	42 915 411
1991	300 965 051	247 488 080	247 488 080	12.011	17.77	53 476 971
1992	351 140 259	290 019 588	290 019 588	13.941	17.86	61 120 671
1993	401 130 100	332 463 417	332 463 417	15.835	18.43	68 666 683
1994	428 109 963	350 053 223	350 053 223	16.529	18.58	78 056 740
1995	449 691 445	366 902 255	366 902 255	17.179	19.36	82 789 190
1996	505 683 604	412 416 379	407 595 911	18.936	22.11	93 267 225
1997	547 227 576	434 460 507	420 905 497	19.358	22.40	112 767 069
1998	567 147 236	447 513 166	430 675 819	19.640	21.61	119 634 070
1999	600 599 956	472 153 552	453 089 741	20.509	22.10	128 446 404
2000	548 764 226	408 558 409	381 937 815	17.145	17.75	140 205 817
2001	590 444 164	439 413 274	406 886 944	18.160	17.91	151 030 890
2002	614 797 386	456 253 677	423 036 518	18.784	19.72	158 543 709
2003	632 686 033	463 222 513	424 811 457	18.793	19.17	169 463 520
2004	658 024 639	482 801 188	441 251 948	19.448	19.65	175 223 451
2005	683 855 359	503 380 937	457 296 815	20.083	19.95	180 474 422
2006	702 184 753	516 808 564	469 392 790	20.519	21.20	185 376 189
2007	710 784 665	527 144 892	476 822 193	20.769	20.82	183 639 773
2008	730 759 895	534 324 294	481 068 268	20.882	20.53	196 435 601
2009	790 815 093	594 626 440	532 325 154	23.025	19.93	196 188 653
2010 r	778 540 827	584 268 555	516 804 324	22.312	20.13	194 272 273
2011 r	813 518 132	619 338 400	537 799 401	23.156	20.58	194 179 732
2012	851 344 499	621 205 188	540 454 729	23.180	20.18	230 139 311

Notes : Public sector included government's educational expenditure and self-funded by national universities and colleges.

**Table 47. Total educational expenditures at all level of schools**

Thousand NT\$

Fiscal Year	Total	Pre-school education	1st level education	2nd level education	3rd level education	Special and others education
1982	90 188 736	1 823 534	27 193 942	34 898 837	26 272 423	-
1983	91 096 725	2 581 264	27 010 831	36 927 627	24 577 003	-
1984	99 483 485	4 002 565	28 387 324	40 089 633	27 003 963	-
1985	108 899 112	4 430 196	31 004 799	43 237 614	29 659 806	566 697
1986	121 041 623	4 587 548	32 547 269	46 835 187	36 556 579	515 040
1987	139 389 903	5 259 330	39 428 781	51 047 369	43 174 190	480 233
1988	164 887 606	6 669 603	49 320 053	60 467 688	47 486 808	943 454
1989	202 379 336	7 840 899	58 227 576	76 913 742	58 498 170	898 949
1990	242 768 493	8 254 640	70 574 725	91 099 349	71 226 033	1 613 746
1991	281 388 128	8 938 441	79 685 381	107 354 491	84 067 443	1 342 372
1992	324 215 343	9 087 856	98 283 490	122 997 654	92 069 303	1 777 040
1993	345 162 040	9 223 172	102 843 837	133 057 821	98 019 968	2 017 242
1994	366 579 784	10 676 880	110 542 628	142 728 955	100 444 293	2 187 028
1995	403 855 687	11 442 841	123 607 646	159 574 464	106 055 791	3 174 945
1996	439 067 140	12 739 238	124 646 667	171 530 319	126 566 203	3 584 713
1997	443 779 754	12 698 951	129 069 012	171 774 080	125 030 186	5 207 525
1998	483 044 044	13 289 072	144 476 016	186 754 964	134 098 301	4 425 691
1999	534 580 633	14 403 952	145 224 353	195 492 816	176 564 321	2 895 191
2000	529 491 875	15 069 700	145 910 174	187 835 509	177 668 224	3 008 269
2001	519 806 125	16 392 865	146 038 440	175 757 740	178 411 266	3 205 815
2002	536 860 385	16 868 919	146 246 868	175 674 217	194 645 435	3 424 947
2003	555 898 914	17 794 264	149 113 799	181 398 521	203 849 293	3 743 039
2004	575 367 012	18 122 130	155 676 625	187 054 641	210 569 732	3 943 885
2005	593 858 139	16 888 946	160 682 822	190 863 305	221 580 703	3 842 363
2006	606 562 895	16 840 356	164 377 547	193 357 095	228 263 974	3 723 923
2007	627 847 248	18 167 852	167 030 347	197 715 142	240 937 606	3 996 301
2008	634 402 546	18 794 714	170 569 474	197 049 810	243 827 954	4 160 595
2009	643 212 067	20 492 347	171 160 930	198 549 248	248 874 421	4 135 122
2010 r	654 790 329	22 410 725	174 663 057	200 853 700	252 458 533	4 404 315
2011	716 691 862	37 021 403	183 253 644	206 647 018	285 319 354	4 450 443

**Notes :** Excluding social education and international cultural expenditures. From 2012, Preschools combine kindergartens with nurseries.

Table 48. Number of foreign

School Year	Total	Education	Fine arts	Humanities	Social & behavior science	Business & administration	Law & jurisprudence	Natural science	Mathematics & computer science
1979	3 170	15	26	2 949	90	-	5	5	-
1980	3 720	34	22	3 442	125	-	2	5	-
1981	2 982	31	24	2 704	97	40	4	4	3
1982	3 304	17	26	2 864	139	62	8	2	1
1983	4 087	20	30	3 724	134	69	6	2	2
1984	3 471	23	32	3 043	120	69	5	1	4
1985	3 769	17	31	3 390	145	84	2	1	4
1986	3 660	21	33	3 284	141	86	5	2	5
1987	4 585	20	33	365	147	87	9	7	8
1988	5 569	15	31	383	156	85	9	7	6
1989	6 260	13	33	348	173	102	9	9	7
1990	5 900	18	41	467	200	121	14	13	9
1991	5 959	17	36	410	202	138	13	13	8
1992	5 441	17	36	401	170	132	14	17	5
1993	5 154	14	41	394	158	100	9	14	2
1994	5 596	10	41	298	108	75	11	13	8
1995	5 197	19	26	365	147	85	12	12	7
1996	5 431	26	20	346	134	73	16	9	8
1997	5 210	30	27	321	135	77	13	9	9
1998	5 109	32	23	349	135	96	14	17	11
1999	6 616	37	35	355	150	124	16	19	20
2000	7 524	42	41	355	154	138	13	20	28
2001	6 380	49	37	370	198	166	22	31	45
2002	7 331	55	31	359	200	225	18	44	66
2003	7 844	63	34	374	241	300	23	56	92
2004	9 616	72	46	354	259	387	27	108	143
2005	11 035	99	72	465	311	644	27	118	180
2006	13 070	133	123	564	384	1 021	31	163	237

Notes : 1.Number of students in subject of Humanities excluded those in language centers subordinating to colleges and universities from 1987.

2.Number of students in language center was calculated from Jan-Dec. of a year while No. of formal students in colleges and universities was calculated based on the school year, from Oct. 20 of a year on.

**students in Taiwan by field of study**

Persons

Medical science	Craft & industry	Engineering	Architecture & town-planning	Agriculture, forestry & fishery	Home economics	Transportation & communication	Tourism Service	Mass communication & document	Language center	Others
38	-	21	-	21	-	-	-	-	...	-
41	-	27	-	22	-	-	-	-	...	-
27	-	19	2	15	2	-	3	4	...	3
21	-	93	4	26	3	-	4	8	...	26
10	-	20	5	23	2	1	3	11	...	25
71	-	25	7	20	3	1	10	12	...	25
5	-	21	4	23	3	1	8	19	...	11
4	-	24	4	24	2	-	1	19	...	5
5	-	24	4	28	4	1	3	27	3 810	3
1	-	22	3	17	4	-	3	21	4 801	5
-	-	17	8	23	7	-	5	23	5 478	5
3	-	16	7	30	9	-	6	23	4 913	10
3	-	23	9	28	11	-	7	28	5 008	5
2	1	28	11	22	10	1	10	24	4 534	6
4	3	20	7	19	12	5	8	25	4 313	6
11	3	23	8	18	6	6	11	18	4 923	5
5	1	21	8	14	6	1	11	22	4 430	5
2	1	13	8	15	7	2	7	24	4 713	7
1	1	18	5	9	3	1	11	24	4 511	5
3	1	18	5	18	6	1	14	25	4 337	4
12	1	25	6	26	6	1	13	40	5 724	6
19	-	38	5	26	7	1	11	37	6 579	10
26	-	32	11	41	7	1	18	50	5 262	14
41	1	42	10	50	11	-	27	85	6 048	18
55	-	87	11	50	17	-	45	104	6 276	16
84	-	181	12	74	19	1	53	138	7 647	11
114	1	348	33	135	24	2	75	190	8 182	15
121	-	525	51	171	23	11	95	265	9 135	17

Table 48. Number of foreign

School Year	Total	Education	Arts	Humanities	Design	Social & behavior science	Journalism & information	Business & administration	General law	Life science	Natural science
2007	15 436	185	79	718	75	407	280	1 431	37	117	137
2008	16 909	202	106	889	91	477	310	1 574	39	142	178
2009	19 376	229	128	1 040	175	557	359	2 132	39	168	200
2010	21 356	251	137	1 148	240	560	393	2 619	37	186	233
2011	24 539	302	184	1 298	319	607	464	1 964	31	143	200
2012	25 452	486	230	1 262	383	719	533	2 169	38	176	207
Asia	16 294	388	175	1 021	337	374	454	2 460	38	214	241
Indonesia	1 923	44	8	72	21	26	21	253	1	36	29
Japan	3 097	67	14	186	11	43	18	74	9	1	2
Korea	1 663	54	14	162	6	49	14	89	6	6	2
America	4 885	55	35	138	32	170	47	471	6	32	12
Canada	386	12	-	24	1	18	3	31	2	1	2
U. S. A.	2 643	30	11	95	10	68	20	95	3	10	7
Europe	2 979	34	13	80	11	126	21	155	1	11	16
France	761	4	1	10	2	14	6	33	-	3	3
Germany	476	1	2	6	1	22	3	14	-	1	2
United Kingdom	285	3	2	16	1	6	3	9	-	-	1
Africa	790	5	7	17	2	20	7	113	-	6	13
South Africa	119	4	1	10	-	5	1	11	-	-	-
Oceania	504	4	-	6	1	29	4	39	1	1	-
Australia	213	2	-	4	1	2	1	4	-	1	-
New Zealand	61	-	-	2	-	1	-	3	-	-	-

Notes : The courses of study are classified by the Standard Education Attainment and Course of Study Classification (Rev. 4, on July 2007).



**Table 49. Research and development (R & D) personnel by occupation, expenditures for R & D**

Year	Research and development personnel (FTE)			Expenditures for research and development				
	Total	Researchers	Technicians	Total expenditure (Million NT\$)	Government funds (%)	R & D expenditures as % of GDP	Manufacturing industry R&D expenditures as a percentage of sales(%)	Annual R & D expenditures per researcher (Million NT\$)
1997	...	47 573	...	156 321	...	1.82	...	3.29
1998	...	53 492	...	176 455	...	1.91	...	3.30
1999	104 535	54 844	40 857	190 520	32.5	1.97	1.26	3.47
2000	104 568	55 460	39 966	197 631	33.4	1.94	1.14	3.56
2001	107 757	59 656	39 296	204 974	33.3	2.06	1.26	3.44
2002	120 013	69 887	40 972	224 428	35.2	2.16	1.30	3.21
2003	127 628	75 111	43 077	242 942	35.2	2.27	1.28	3.23
2004	138 604	81 209	47 568	263 271	33.6	2.32	1.24	3.24
2005	149 154	88 859	49 471	280 980	31.5	2.39	1.36	3.16
2006	161 314	95 176	54 519	307 037	31.4	2.51	1.34	3.23
2007	175 741	103 455	59 868	331 386	29.9	2.57	1.36	3.20
2008	184 633	110 089	62 936	351 405	28.2	2.78	1.44	3.19
2009	196 893	119 185	65 444	367 174	28.9	2.94	1.84	3.08
2010 r	210 678	127 768	70 576	394 960	27.5	2.91	1.60	3.09
2011	221 371	134 048	74 376	413 293	26.2	3.02	1.58	3.08

Notes : R & D data included defence and doctoral student workforce since 2002, and included newly-added industries since 2003.

**Table 50. National research and development (R & D) expenditures by type of work and type of cost**

Million NT\$

Year	Total	Type of work			Type of cost			
		Basic research	Applied research	Technological development	Capital expenditure	Current expenditure	Labor	others
1997	156 321	15 715	47 444	93 162	24 200	132 122	69 786	62 336
1998	176 455	17 886	55 001	103 569	26 543	149 914	74 655	75 259
1999	190 520	20 115	60 253	110 153	25 823	164 698	83 309	81 388
2000	197 631	20 462	59 288	117 880	27 097	170 534	87 658	82 875
2001	204 974	22 143	59 914	122 917	29 244	175 730	89 634	86 096
2002	224 428	24 725	60 399	139 305	32 766	191 663	99 613	92 049
2003	242 942	28 505	64 062	150 375	33 933	209 009	108 329	100 680
2004	263 271	29 631	66 694	166 947	31 674	231 597	121 368	110 229
2005	280 980	28 961	74 219	177 801	34 666	246 314	131 136	115 179
2006	307 037	31 229	81 270	194 539	37 177	269 860	143 957	125 903
2007	331 386	33 189	85 123	213 074	39 740	291 646	156 729	134 917
2008	351 405	35 779	89 636	225 990	33 551	317 854	175 150	142 705
2009	367 174	38 097	94 042	235 035	32 990	334 184	188 465	145 719
2010	394 960	39 487	97 586	257 888	34 228	360 732	207 295	153 438
2011	413 293	40 184	97 941	275 167	35 737	377 556	215 164	162 392



**Table 51. National research and development (R & D) expenditures by sector of performance**

Million NT\$

Year	Total	Business enterprise	Government	Higher education	Private non-profit
1997	156 321	...	...	...	...
1998	176 455	...	...	...	...
1999	190 520	122 158	44 636	22 334	1 392
2000	197 631	125 698	46 494	24 047	1 392
2001	204 974	130 296	47 732	25 521	1 425
2002	224 428	139 569	55 693	27 637	1 530
2003	242 942	152 614	59 928	28 890	1 510
2004	263 271	170 293	61 144	30 350	1 484
2005	280 980	188 390	59 143	32 092	1 355
2006	307 037	207 238	60 965	37 565	1 270
2007	331 386	229 126	60 643	40 400	1 218
2008	351 405	248 363	58 928	42 905	1 209
2009	367 174	257 405	61 587	46 823	1 359
2010	394 960	282 546	63 020	47 970	1 424
2011	413 293	300 358	62 546	48 978	1 410

**Table 52. National research and development (R & D) expenditures by source of funds**

Million NT\$

Year	Total	Business enterprise	Government	Higher education	Private non-profit	Abroad
1997	156 321	...	...	...	...	...
1998	176 455	...	...	...	...	...
1999	190 520	125 712	61 989	1 749	959	110
2000	197 631	128 386	65 980	2 193	999	74
2001	204 974	132 950	68 339	2 719	931	35
2002	224 428	141 695	79 004	2 762	930	38
2003	242 942	153 664	85 587	2 777	854	60
2004	263 271	170 469	88 499	3 130	1 113	60
2005	280 980	187 853	88 633	3 147	1 204	144
2006	307 037	206 177	96 443	3 257	1 071	91
2007	331 386	228 074	98 966	3 158	1 051	137
2008	351 405	247 408	99 260	3 441	1 144	153
2009	367 174	255 998	106 153	3 683	1 191	149
2010	394 960	281 294	108 615	3 797	1 093	161
2011	413 293	299 755	108 464	3 918	1 007	148

**Table 53. Advanced studies for scientific and technical researchers**

Persons

Year	Total		Natural sciences		Engineering and applied sciences		Biology and medicine, agriculture		Humanities and social sciences		Education sciences	
	Local	Abroad	Local	Abroad	Local	Abroad	Local	Abroad	Local	Abroad	Local	Abroad
1983	70	180	8	33	16	49	29	56	13	34	4	8
1984	63	214	8	36	20	64	21	49	12	53	2	12
1985	47	228	4	46	15	57	16	60	10	52	2	13
1986	47	230	4	46	15	59	16	60	10	52	2	13
1987	80	273	10	42	27	83	32	70	10	69	1	9
1988	83	226	7	41	22	61	30	39	19	64	5	21
1989	83	236	8	36	27	65	27	46	15	71	6	18
1990	86	242	12	42	31	65	32	49	10	73	1	13
1991	83	272	4	43	27	76	32	60	18	80	2	13
1992	84	249	4	32	30	77	35	52	14	74	1	14
1993	101	274	10	30	32	73	37	69	15	87	7	15
1994	97	274	5	30	34	73	42	69	16	87	-	15
1995	71	254	4	41	16	68	31	45	18	86	2	14
1996	76	133	1	22	23	30	30	27	19	47	3	7
1997	92	174	6	28	23	43	39	16	23	81	1	6
1998	102	281	3	35	30	79	41	47	26	116	2	4
1999	-	234	-	37	-	76	-	28	-	90	-	3
2000	-	252	-	31	-	89	-	33	-	95	-	4
2001	-	287	-	34	-	91	-	50	-	107	-	5
2002	-	237	-	36	-	72	-	32	-	88	-	9
2003	-	182	-	17	-	65	-	23	-	67	-	10
2004	-	217	-	31	-	78	-	26	-	76	-	6
2005	-	194	-	30	-	57	-	28	-	73	-	6
2006	-	194	-	25	-	61	-	30	-	71	-	7
2007	-	218	-	33	-	67	-	21	-	89	-	8
2008	-	220	-	19	-	75	-	33	-	83	-	10
2009	-	252	-	36	-	91	-	28	-	89	-	8
2010	-	251	-	26	-	70	-	46	-	106	-	3
2011	-	273	-	35	-	80	-	38	-	113	-	7
2012	-	253	-	26	-	74	-	35	-	109	-	9

**Table 54. Supporting research projects on science and technology**

Year	Total	Natural sciences	Engineering and Technology	Medical and agricultural sciences	Humanities and sciences	Education sciences	Others
<b>Items</b>							
1993	6 843	1 388	2 897	1 571	705	252	30
1994	7 546	1 414	3 213	1 659	886	330	44
1995	8 334	1 505	3 610	1 675	1 088	456	-
1996	8 648	1 619	3 572	1 894	1 094	469	-
1997	9 730	1 781	3 867	2 053	1 592	437	-
1998	10 665	1 791	4 296	2 217	1 882	478	1
1999	11 112	1 841	4 386	2 297	2 094	494	-
2000	24 597	3 733	9 678	5 380	4 786	1 020	-
2001	13 715	2 023	5 496	2 878	2 576	742	-
2002	14 985	1 928	6 252	3 115	2 989	701	-
2003	16 073	2 021	6 795	3 261	3 123	873	-
2004	16 973	2 192	7 245	3 480	3 397	659	-
2005	17 192	2 274	7 322	3 438	3 468	688	2
2006	17 789	2 408	7 437	3 549	3 704	688	3
2007	14 975	1 881	6 150	2 816	3 588	535	5
2008	12 822	1 641	5 236	2 245	3 162	538	-
2009 r	13 640	1 896	5 466	2 176	2 457	503	1 142
2010 r	14 292	1 837	5 648	2 173	2 809	533	1 292
2011 r	14 080	912	5 600	1 943	2 632	572	2 421
2012	14 678	982	5 587	2 367	2 534	520	2 688
<b>Grants (Million NT\$)</b>							
1993	4 156	1 207	1 391	1 130	301	113	15
1994	4 463	1 170	1 586	1 137	423	140	8
1995	4 760	1 332	1 543	1 219	472	194	-
1996	5 048	1 294	1 810	1 266	480	198	-
1997	5 083	1 305	1 803	1 201	582	193	-
1998	6 196	1 449	2 245	1 490	751	247	14
1999	7 121	1 704	2 551	1 773	819	274	-
2000	16 252	3 781	5 615	4 329	1 888	640	-
2001	9 687	2 320	3 399	2 364	1 045	560	-
2002	12 111	2 636	4 207	3 294	1 466	509	-
2003	12 796	2 919	4 536	3 172	1 477	693	-
2004	14 037	3 183	5 099	3 510	1 679	566	-
2005	15 394	3 823	5 414	3 754	1 804	598	1
2006	16 977	4 114	5 764	4 268	2 189	610	31
2007	15 172	3 467	4 983	3 891	2 297	523	10
2008	12 914	2 867	4 447	3 276	1 866	459	-
2009 r	14 732	3 381	4 702	3 388	1 564	485	1 213
2010 r	14 892	3 527	4 667	3 595	1 702	495	907
2011 r	13 875	1 979	4 320	2 512	1 351	591	3 122
2012	15 492	2 465	4 689	3 046	1 334	502	3 455

Notes : Data refer to "fiscal year" before 2000. Data for 2000 is from July 1, 1999 to December 31, 2000.

Table 55. Science and technology output indicators

Year	Papers in SCI		Patents granted and rank in U. S. P.	
	Papers	Rank	Patents	Rank
1988 r	1 945	27	457	11
1989 r	2 284	27	591	11
1990 r	2 806	27	732	11
1991 r	3 454	24	906	9
1992 r	4 262	24	1 001	9
1993 r	4 957	21	1 189	7
1994 r	6 059	20	1 443	7
1995 r	6 765	19	1 620	7
1996 r	7 764	19	1 897	7
1997 r	8 208	20	2 057	7
1998 r	8 887	20	3 100	7
1999 r	9 425	21	3 693	5
2000 r	9 970	21	4 667	4
2001 r	11 133	19	5 371	4
2002 r	11 711	18	5 431	4
2003 r	12 865	18	5 298	4
2004 r	14 480	18	5 938	4
2005 r	16 183	18	5 118	4
2006 r	18 373	17	6 361	4
2007 r	19 598	16	6 128	5
2008 r	22 285	16	6 339	5
2009 r	23 784	16	6 642	5
2010 r	24 863	16	8 239	5
2011 r	27 197	16	8 781	5
2012	26 360	16	10 646	5

Notes : Patents granted in U.S.P. excluding new design.

**Table 56. Number of patents applied and granted**

Cases

Year	Patents applied			Patents granted		
	Total	Chinese	Foreigner	Total	Chinese	Foreigner
1983	19 428	13 152	6 276	7 096	3 705	3 391
1984	22 013	14 551	7 462	8 592	4 637	3 955
1985	23 870	16 324	7 546	9 427	5 044	4 383
1986	26 198	18 372	7 826	10 526	5 800	4 726
1987	28 900	18 227	10 673	10 615	5 980	4 635
1988	29 511	17 152	12 359	12 355	6 586	5 769
1989	32 103	17 917	14 186	19 265	10 397	8 868
1990	34 343	19 964	14 379	22 601	11 108	11 493
1991	36 127	22 940	13 187	27 281	13 555	13 726
1992	38 554	26 118	12 436	21 264	12 298	8 966
1993	41 185	28 426	12 759	22 317	15 414	6 903
1994	42 412	29 307	13 105	19 032	12 563	6 469
1995	43 461	28 900	14 561	29 707	20 717	8 990
1996	47 055	31 185	15 870	29 469	19 410	10 059
1997	53 164	33 657	19 507	29 356	19 551	9 805
1998	54 003	34 243	19 760	25 051	16 417	8 634
1999	51 921	32 643	19 278	29 144	18 052	11 092
2000	61 231	36 369	24 862	38 665	23 737	14 928
2001	67 860	40 210	27 650	53 789	32 310	21 479
2002	61 402	35 926	25 476	45 042	24 846	20 196
2003	65 742	39 663	26 079	53 034	30 955	22 079
2004	72 082	43 020	29 062	27 717	15 916	11 801
2005	79 442	47 721	31 721	57 236	42 324	14 912
2006	80 988	48 626	32 362	48 774	33 773	15 001
2007	81 834	49 595	32 239	49 006	34 068	14 938
2008	83 613	51 339	32 274	42 283	32 364	9 919
2009	78 425	51 256	27 169	43 724	33 457	10 267
2010	80 494	52 107	28 387	45 966	35 056	10 910
2011	82 988	52 221	30 767	50 305	36 924	13 381
2012	85 073	52 515	32 558	56 610	39 645	16 965

**Notes :** According to amended Patent Act on July 1, 2004, the number of granted patents included published approval patents and issued patent certificates; Data included number of published approval patents only before 2003.

**Table 57. Saturation rate of newspapers and magazines**

Year	Newspaper		Magazine	
	Per hundred households	Saturation rate (%)	Per hundred households	Saturation rate (%)
1983	65.88	59.34	13.71	9.34
1984	67.96	61.55	15.62	10.33
1985	72.71	64.80	16.72	11.67
1986	75.54	66.26	17.58	12.38
1987	70.34	62.56	19.61	13.82
1988	67.37	60.34	17.83	13.56
1989	71.13	62.46	18.28	13.76
1990	69.49	62.27	14.82	11.37
1991	68.61	62.03	17.12	13.62
1992	66.04	60.13	17.04	13.22
1993	63.04	57.78	16.47	13.05
1994	64.53	57.87	16.82	12.46
1995	60.54	55.61	17.21	12.87
1996	56.45	52.25	15.81	12.45
1997	56.93	52.23	16.93	13.20
1998	53.56	49.41	16.38	13.31
1999	51.68	47.42	17.67	13.39
2000	46.91	43.61	18.16	14.12
2001	41.44	38.81	19.12	14.30
2002	40.39	38.11	18.33	14.74
2003	37.87	35.78	16.34	13.09
2004	35.44	33.63	15.62	12.92
2005	33.68	32.31	14.72	12.37
2006	29.46	28.16	14.40	12.18
2007	27.92	26.60	13.13	11.05
2008	24.48	23.59	12.23	10.01
2009	22.49	21.64	11.56	9.81
2010	21.99	21.09	10.51	8.87
2011	20.01	19.16	8.99	7.48
2012	18.58	17.75	7.89	6.54

**Table 58. General conditions of culture and mass communication**

Numbers

Year	Public libraries	Books <sup>1</sup> published	Publishing industries <sup>2</sup>					
			Total	Newspaper & related publishing	Periodical & magazine publishing	Book publishing	Other publishings	Software publishing
1983	146	9 008	-	-	-	-	-	-
1984	149	9 256	-	-	-	-	-	-
1985	179	8 822	-	-	-	-	-	-
1986	201	10 255	-	-	-	-	-	-
1987	198	12 046	-	-	-	-	-	-
1988	204	11 982	-	-	-	-	-	-
1989	252	12 964	-	-	-	-	-	-
1990	324	16 156	-	-	-	-	-	-
1991	310	12 418	-	-	-	-	-	-
1992	331	13 501	-	-	-	-	-	-
1993	344	14 743	-	-	-	-	-	-
1994	358	24 483	2 110	104	841	837	328	-
1995	370	26 130	2 263	113	838	963	349	-
1996	414	25 283	2 326	121	817	1 039	349	-
1997	425	28 853	2 387	117	758	1 137	375	-
1998	408	30 574	2 484	119	757	1 242	366	-
1999	421	30 561	2 639	164	803	1 289	383	-
2000	468	34 199	2 775	184	822	1 363	406	-
2001	506	36 353	2 853	190	820	1 409	434	-
2002	512	38 746	2 993	195	835	1 503	460	-
2003	506	39 003	3 133	195	852	1 587	499	-
2004	510	39 754	3 286	200	890	1 665	531	-
2005 r	517	41 682	3 443	192	944	1 739	568	-
2006 r	529	42 060	3 453	173	939	1 763	578	-
2007 r	539	41 570	3 512	190	959	1 772	591	-
2008 r	544	41 033	3 086	198	982	1 748	81	77
2009 r	537	40 406	3 187	189	1 018	1 770	101	109
2010 r	550	43 087	3 326	193	1 078	1 789	118	148
2011 r	523	42 455	3 418	207	1 121	1 757	167	166
2012	525	42 241	3 562	209	1 183	1 772	213	185

Notes : <sup>1</sup>After 1994, number of books referred to published books with International Standard Book Number (ISBN) by National Central Library.

<sup>2</sup>Beginning from 2008, the figures are reclassified according to the sixth revision of Standard Industrial Classification on Taxation of the Republic of China.

Table 59. General condition

Year and locality	Total	By category of law			By kinds		
		National	Municipal	Counties (Cities)	Old House	Temple	Castle & tower
2008	690	88	207	395	102	163	17
2009	712	88	155	469	107	189	17
2010	735	89	156	490	115	190	17
2011	752	88	381	283	128	158	17
2012	769	90	387	292	133	151	16
Taipei City	151	12	139	-	36	2	1
New Taipei City	68	6	62	-	13	10	-
Taichung City	39	2	37	-	10	6	-
Tainan City	131	22	109	-	15	37	8
Kaohsiung City	45	5	40	-	4	5	3
Yilan County	31	-	-	31	4	5	-
Taoyuan County	14	1	-	13	2	6	-
Hsinchu County	24	1	-	23	6	6	-
Miaoli County	10	1	-	9	2	2	-
Changhua County	43	6	-	37	5	27	-
Nantou County	15	1	-	14	-	2	-
Yunlin County	22	2	-	20	5	7	-
Chiayi County	15	2	-	13	2	8	-
Pingtung County	18	3	-	15	1	5	1
Taitung County	-	-	-	-	-	-	-
Hualien County	15	-	-	15	6	1	-
Penghu County	26	8	-	18	2	6	2
Keelung City	13	3	-	10	3	-	-
Hsinchu City	27	5	-	22	2	6	1
Chiayi City	14	1	-	13	-	2	-
Kinmen County	45	8	-	37	15	8	-
Lienchiang County	3	1	-	2	-	-	-



**of historical sites**

Places

By kinds									
Monumental shrine	Fort and strategic passage on the border	Study house	Church	Government office	Tablet	Light house	Bridge	Others	
18	24	12	35	25	24	5	13	252	
18	24	12	9	31	20	5	14	266	
18	25	12	9	32	23	6	14	274	
18	25	22	9	49	23	7	16	280	
18	28	21	9	49	25	5	15	299	
3	1	1	4	10	1	-	-	92	
-	2	2	1	2	10	-	4	24	
1	-	1	-	4	-	-	-	17	
3	4	9	-	19	-	-	-	36	
-	2	1	-	3	-	1	1	25	
1	-	-	2	-	2	-	4	13	
-	-	-	-	-	-	1	1	4	
-	1	-	-	1	-	-	1	9	
1	-	-	-	-	-	-	1	4	
-	-	2	-	3	-	-	-	6	
-	-	3	-	1	2	-	1	6	
-	-	1	-	2	-	-	-	7	
-	-	-	-	-	2	-	-	3	
-	4	1	1	-	-	-	1	4	
-	-	-	-	-	-	-	-	-	
2	-	-	-	-	3	-	-	3	
-	7	-	-	-	2	1	-	6	
-	7	-	-	1	-	-	-	2	
4	-	-	-	2	-	-	-	12	
-	-	-	1	-	-	-	-	11	
3	-	-	-	1	2	-	1	15	
-	-	-	-	-	1	2	-	-	

**Table 60. Average entertainment expenditure per person**

NT\$

Year	Total	Traveling	Recreational and cultural services	Facilities and attachments	Newspapers, magazines and stationery
1998	11 616	5 488	2 432	2 160	1 536
1999	12 207	5 906	2 491	2 257	1 553
2000	12 890	6 511	2 621	2 260	1 498
2001	12 082	5 714	2 607	2 325	1 437
2002	12 037	5 876	2 590	2 183	1 388
2003	11 441	5 116	2 599	2 408	1 319
2004	12 452	5 870	2 729	2 533	1 320
2005	12 657	6 126	2 758	2 481	1 292
2006	12 798	6 695	2 525	2 351	1 227
2007	12 851	6 553	2 477	2 676	1 145
2008	12 123	6 110	2 451	2 516	1 046
2009	10 596	3 620	2 611	2 386	1 979
2010	11 461	4 273	3 014	2 300	1 874
2011	11 703	4 484	3 140	2 350	1 729
2012	11 901	4 814	3 086	2 337	1 664

Notes : Traveling data included package holiday only since 2009.

**Table 61. Saturation rate of playground and recreational apparatuses**

Year	Park, Green Area, Play Ground, Athletic Complex & Square (Hectares)		Recreational apparatuses (%)				
	Total area	Area per 10 000 population	Color television sets	DVD player	Personal computer	Cable TV	Pianos
1998	60 977	27.81	99.17	-	32.31	68.09	11.59
1999	61 002	27.61	99.31	7.25	38.92	67.87	11.00
2000	71 963	32.30	99.45	13.47	46.49	71.96	10.80
2001	4 056	2.31	99.29	22.49	50.86	72.34	10.92
2002	4 130	2.34	99.56	32.86	56.80	74.81	11.64
2003	4 439	2.52	99.51	40.11	58.74	76.12	10.71
2004	4 705	2.65	99.47	45.99	62.37	78.53	11.06
2005	4 785	2.67	99.46	48.60	63.15	79.02	11.42
2006	4 996	2.78	99.55	53.53	66.12	79.82	11.29
2007	5 534	3.03	99.37	52.68	67.13	79.93	10.58
2008	5 689	3.11	99.39	44.11	69.27	81.65	10.44
2009	6 003	3.23	99.56	42.18	70.51	81.97	10.25
2010	6 374	3.46	99.41	39.36	71.32	82.98	9.75
2011 r	7 389	3.95	99.24	37.67	71.93	82.92	9.84
2012	7 746	4.59	99.27	34.34	72.31	83.23	8.96

Notes : Total area of park, Green Area, Play Ground, Athletic Complex and Square referred to the total playground before 2000; since 2001, it has referred to the area in urban planning area only.

## 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, nutrient consumption and health services. Data on medical care facilities, health personnel, health services 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 *Agricultural Statistics Yearbook* published by the Council of Agriculture, Executive Yuan.

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

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

The hospital beds include acute beds, chronic beds, psychiatric beds and special beds.

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

Table 62. General conditions of medical facilities

End of Year	Medical care facilities			Beds	
	Total (Numbers)	Per medical care facility		Total (Numbers)	Number of beds per 10 000 population
		Area served (Km <sup>2</sup> )	Population served (Persons)		
1983	11 951	3.01	1 567	57 419	30.65
1984	12 103	2.97	1 571	62 467	32.86
1985	12 323	2.92	1 563	74 081	38.47
1986	12 037	3.01	1 621	80 991	41.63
1987	12 199	2.95	1 613	86 328	43.88
1988	12 215	2.96	1 629	88 572	44.50
1989	12 267	2.95	1 639	86 693	43.11
1990	12 902	2.80	1 578	89 151	43.80
1991	13 661	2.65	1 505	92 785	45.14
1992	14 468	2.50	1 434	96 084	46.30
1993	15 062	2.40	1 394	100 570	47.90
1994	15 752	2.30	1 344	103 733	48.98
1995	16 109	2.25	1 326	112 379	52.62
1996	16 645	2.17	1 293	114 923	53.39
1997	17 398	2.08	1 250	120 485	55.41
1998	17 731	2.04	1 237	124 564	56.80
1999	17 770	2.04	1 243	122 937	55.65
2000	18 082	2.00	1 232	126 476	56.78
2001	18 265	1.98	1 227	127 676	56.98
2002	18 228	1.99	1 236	133 398	59.23
2003	18 777	1.93	1 204	136 331	60.31
2004	19 240	1.88	1 179	143 343	63.18
2005	19 433	1.86	1 172	146 382	64.29
2006	19 682	1.84	1 162	148 962	65.12
2007	19 900	1.82	1 154	150 628	65.61
2008	20 174	1.79	1 142	152 901	66.37
2009	20 306	1.78	1 139	156 740	67.79
2010	20 691	1.75	1 119	158 922	68.61
2011	21 135	1.71	1 099	160 472	69.09
2012	21 437	1.69	1 088	160 900	69.01

Notes : Data do not include Kinmen County and Lienchiang County before 1993.

Table 63. Number of health personnel

%

End of Year	Total (persons)	Physicians	Dentists	Pharmacists & assistants	Nurses	Medical laboratory technicians & assistants	Medical radiation technologists & technicians	Others
1983	52 648	27.86	5.10	27.50	31.87	2.03	-	5.64
1984	57 404	26.45	5.13	26.48	34.66	2.44	-	4.84
1985	66 278	25.55	4.94	24.59	36.59	2.99	1.47	3.87
1986	69 339	25.71	5.39	23.41	37.52	3.19	1.06	3.72
1987	77 246	25.07	5.37	22.78	39.06	3.29	1.18	3.24
1988	83 045	24.79	5.43	21.24	40.80	3.58	1.16	3.00
1989	85 599	24.34	5.68	21.05	41.38	3.76	1.50	2.29
1990	91 153	24.46	5.98	19.69	42.08	4.01	1.57	2.22
1991	96 921	24.38	6.17	19.16	43.08	3.82	1.55	1.84
1992	102 977	24.26	6.26	17.96	44.54	3.82	1.65	1.51
1993	109 538	23.91	5.97	17.69	45.92	3.95	1.53	1.04
1994	114 076	23.92	6.11	16.45	47.10	4.03	1.49	0.90
1995	118 248	23.25	5.94	16.26	47.99	3.99	1.52	1.05
1996	123 829	22.44	5.86	15.88	49.66	4.07	1.17	0.92
1997	137 829	21.06	5.49	15.41	50.54	3.91	1.64	1.93
1998	144 070	21.26	5.48	15.80	49.43	3.88	1.72	2.43
1999	152 385	20.84	5.41	15.71	49.61	3.95	1.64	2.84
2000	159 212	20.93	5.40	15.33	49.73	3.91	1.73	2.97
2001	165 855	20.83	5.39	15.01	49.90	3.94	1.90	3.03
2002	175 444	20.31	5.25	14.45	51.05	3.83	1.94	3.16
2003	183 103	20.02	5.22	13.67	52.03	3.85	1.94	3.27
2004	192 611	19.70	5.12	13.54	52.68	3.70	1.92	3.34
2005	199 734	19.38	5.08	13.39	52.46	3.67	1.94	4.08
2006	206 958	19.15	5.03	13.24	52.74	3.60	1.96	4.27
2007	214 748	18.96	5.00	13.06	53.01	3.56	1.96	4.45
2008	223 623	18.90	4.96	12.85	53.12	3.53	1.99	4.65
2009	233 553	18.48	4.86	12.67	53.56	3.51	1.99	4.93
2010	241 156	18.35	4.83	12.44	53.47	3.47	2.04	5.40
2011	250 258	18.21	4.79	12.51	53.28	3.43	2.05	5.73
2012	258 283	18.07	4.80	12.40	53.29	3.39	2.07	5.99

Notes : 1. Others only referred to midwives before 1995; data 1995 and 1996 included midwives and dietitians. Beginning 1997, data included midwives, dietitians, physical therapist and physical therapist assistants.  
2. Data do not include Kinmen County and Lienchiang County before 1993.

Table 64. Health services in contracted medical institutions

Persons

Year	Utilization Rate of Preventive Health Examination for Adults(%)	General Fertility Rate of Child bearing age women(‰)	Utilization Rate of Preventive Health Examination for Children(%)	Examination of Children			
				Under 1.5 years	1.5-2 years	2-3 years	3-7 years
2003	-	36	-	936 173			90 534
2004	-	34	-	720 628			179 277
2005	-	33	-	1 186 092			257 093
2006	-	33	79.8	1 357 371			269 982
2007	34.4	32	66.3	1 053 912			195 413
2008	34.2	31	68.6	1 058 275			191 143
2009	34.5	31	71.1	1 031 630			218 784
2010	34.1	27	79.5	569 944	140 155	150 137	173 980
2011	33.3	32	76.7	557 893	142 719	153 285	143 323
2012	32.1	38	77.4	660 090	134 018	140 894	171 078

Year	O.P.D Examination		Type of childbirth			Pap smear examination	Utilization Rate of Cervical Pap Smear Examination for Women(%)
	NO. of person received first examination	34+ years	Total	Spontaneous childbirth	Cesarean section		
2003	117 846	18 902	213 606	143 977	69 629	2 575 030	-
2004	186 841	16 378	209 783	141 824	67 959	1 257 240	-
2005	212 873	20 814	199 729	133 675	66 054	1 718 601	-
2006	252 370	29 512	198 334	131 816	66 518	1 943 181	24.9
2007	209 387	37 700	196 258	128 557	67 701	1 745 442	25.5
2008	201 946	38 889	190 035	124 559	65 476	1 822 753	26.0
2009	188 659	40 944	186 547	120 456	66 091	1 948 334	27.2
2010	189 681	46 101	162 794	104 159	58 635	2 007 043	27.4
2011	224 173	56 416	194 006	125 689	68 317	2 028 777	27.1
2012	230 297	64 490	228 890	148 991	79 899	2 020 949	26.5

Table 65. Number of patients of notifiable diseases

Persons

End of Year	Tuberculosis	Dysentery	Typhoid & paratyphoid fever	Acute viral hepatitis	Enteroviruses complicated severe case	AIDS	Dengue fever
1983	-	130	179	-	...	-	-
1984	-	68	132	-	...	-	-
1985	-	258	144	-	...	-	-
1986	7 243	101	71	116	...	-	-
1987	7 154	126	80	181	...	-	-
1988	6 501	192	98	161	...	-	1 938
1989	7 351	218	105	112	...	-	35
1990	7 329	141	81	90	...	-	10
1991	7 107	107	68	207	...	19	175
1992	11 765	116	89	255	...	22	23
1993	10 456	588	42	5	...	34	13
1994	10 346	220	48	406	...	66	244
1995	10 836	573	47	958	...	100	364
1996	12 579	263	68	560	...	162	53
1997	15 386	426	54	511	...	135	76
1998	14 169	446	78	576	...	155	334
1999	13 496	265	60	485	35	180	65
2000	13 910	643	46	298	291	181	140
2001	14 486	1 630	70	769	393	165	270
2002	16 758	725	72	806	162	177	5 388
2003	15 042	367	55	674	70	225	145
2004	16 784	252	57	807	50	257	427
2005	16 472	294	48	785	142	506	306
2006	15 378	264	53	613	11	579	1 074
2007	14 499	391	40	581	12	1 061	2 179
2008	14 424	317	44	631	373	850	714
2009	13 512	281	86	545	29	930	1 052
2010	13 393	434	45	344	16	1 087	1 896
2011	12 788	459	55	323	59	1 075	1 702
2012	12 478	413	34	249	153	1 280	1 478

Table 66. Death rates of the leading

Year	Death rates by the				
	Malignant neoplasms	Heart disease	Cerebrovascular disease	Diabetes mellitus	Accident
1983	81.65	47.44	80.56	12.63	60.25
1984	81.95	45.97	78.43	14.24	61.25
1985	85.02	43.52	76.42	15.31	58.97
1986	85.55	51.42	76.78	15.34	62.96
1987	88.64	57.30	73.99	16.80	66.57
1988	92.14	54.76	76.14	19.62	69.38
1989	94.36	53.48	72.28	19.33	70.22
1990	91.63	56.87	70.06	19.57	68.85
1991	95.97	58.79	69.11	20.58	66.66
1992	101.47	62.91	69.35	23.66	63.68
1993	107.05	59.99	65.62	25.74	63.65
1994	110.58	56.93	64.77	28.90	62.69
1995	121.50	52.93	66.45	33.97	61.05
1996	130.41	52.58	65.03	35.10	57.93
1997	134.10	49.71	59.56	34.67	52.22
1998	134.00	50.51	58.18	34.49	50.25
1999	135.32	51.33	57.39	40.99	58.88
2000	142.23	47.56	60.10	42.60	47.40
2001	147.68	49.25	58.82	40.79	42.58
2002	152.88	50.93	53.46	39.26	37.79
2003	156.01	52.23	54.98	44.38	36.30
2004	160.54	56.79	54.48	40.58	37.33
2005	163.76	57.06	57.81	46.20	36.80
2006	166.49	53.82	55.19	42.46	35.10
2007	175.87	56.74	56.18	44.64	31.11
2008	169.20	68.38	46.37	34.94	30.77
2009	172.97	65.40	44.99	35.66	31.88
2010	177.37	67.74	43.79	35.48	28.82
2011	183.50	71.20	46.66	39.15	29.00
2012	187.64	73.57	47.53	39.88	29.54

Notes : <sup>1</sup> The nephritis, nephrotic syndrome and nephrosis were named as the nephritis and nephrosis before 1981.  
Data do not include Kinmen County and Lienchiang County before 1994.



**causes, infant and maternity**

leading causes (Per 100 000 population)					Infant mortality rate (Per 1 000 live births)	Maternal mortality rate (Per 100 000 live births)
Pneumonia	Chronic liver disease and Cirrhosis	Nephritis, Nephrotic Syndrome and Nephrosis <sup>1</sup>	Suicide	Hypertensive disease		
11.34	17.11	11.59	12.00	18.47	7.64	17.01
9.59	16.65	11.29	10.87	17.50	6.86	14.06
10.61	16.48	11.53	11.92	18.08	6.78	9.85
12.29	16.63	11.02	11.68	17.30	6.31	9.44
12.44	16.66	10.80	9.46	15.76	5.06	8.91
13.08	17.85	10.43	9.05	15.88	5.30	9.03
14.73	17.75	10.47	7.86	14.83	5.73	12.75
16.60	17.82	11.39	6.72	14.79	5.24	12.16
12.93	17.60	12.35	7.16	12.18	5.06	8.12
14.07	18.15	14.21	6.69	11.14	5.18	6.84
13.50	18.01	13.71	6.24	10.96	4.79	9.20
13.71	19.74	15.23	6.88	10.39	5.05	8.03
14.44	20.95	16.55	7.61	12.30	6.49	7.66
14.92	21.50	16.54	8.61	12.39	6.69	7.71
16.73	22.03	16.20	10.04	12.07	6.37	9.23
20.37	22.62	15.73	9.97	10.41	6.63	8.93
18.20	23.53	15.78	10.36	8.43	6.06	8.45
14.88	23.32	17.45	11.14	7.22	5.82	7.81
16.77	23.45	18.15	12.45	7.90	6.05	6.98
20.17	21.35	18.55	13.59	8.67	5.37	7.70
22.60	22.98	19.08	14.16	8.17	4.86	6.59
24.44	23.63	20.67	15.31	7.97	5.26	5.51
25.02	24.73	21.21	18.84	8.32	4.97	7.27
23.64	22.12	20.65	19.30	7.96	4.58	7.29
25.72	22.52	22.25	17.16	8.63	4.71	6.87
37.66	21.38	17.45	17.95	15.25	4.57	6.62
36.22	21.31	17.33	17.61	16.12	4.05	8.33
38.50	21.23	17.74	16.81	18.04	4.23	4.20
39.01	22.22	18.83	15.12	19.97	4.19	5.04
40.03	21.38	18.59	16.18	21.43	3.67	8.53

Table 67. Daily nutrient

Year	Energy (Calories)	Protein (Grams)	Fat (Grams)	Carbohydrate (Grams)	Calcium (Milligrams)
1982	2 749.2	76.6	90.4	396.6	473.5
1983	2 721.3	77.0	93.1	383.5	467.1
1984	2 592.9	78.8	80.8	379.1	441.2
1985	3 136.9	81.2	83.4	376.0	458.9
1986	2 725.5	84.2	92.3	380.7	488.3
1987	2 808.9	89.5	97.0	385.3	505.1
1988	2 821.7	88.3	98.5	386.4	517.2
1989	2 876.1	90.3	105.7	381.5	539.4
1990	2 908.5	92.8	109.6	377.8	559.1
1991	2 928.7	91.7	114.4	373.6	582.4
1992	2 946.8	94.1	115.2	372.9	594.7
1993	3 005.4	97.5	120.6	372.2	608.8
1994	3 058.3	96.7	125.0	375.0	626.8
1995	3 058.2	98.5	126.2	369.3	645.7
1996	3 053.7	98.6	126.7	368.4	643.5
1997	3 135.2	101.8	131.0	374.5	654.6
1998	2 973.6	95.9	121.0	362.6	589.7
1999	3 048.3	98.0	127.1	367.7	618.4
2000	3 021.9	96.7	123.7	370.1	601.3
2001	2 879.9	92.4	117.2	352.5	575.8
2002 r	2 920.0	94.8	124.4	349.7	610.5
2003 r	2 961.7	96.1	124.8	358.0	594.9
2004 r	2 882.4	91.9	120.0	352.8	570.6
2005 r	2 940.8	91.6	126.5	353.6	563.5
2006 r	2 816.4	90.1	118.4	341.0	569.4
2007 r	2 837.3	92.0	119.1	342.6	559.2
2008 r	2 633.5	84.5	107.5	325.4	507.3
2009 r	2 736.6	86.8	111.6	338.6	543.5
2010 r	2 753.5	88.2	115.2	332.9	537.1
2011	2 746.8	89.9	111.6	337.0	548.0

Notes : Data do not include Kinmen County and Lienchiang County.

## consumption per capita

Phosphorus (Milligrams)	Iron (Milligrams)	Vitamin A value (International unit)	Thiamine (Milligrams)	Riboflavin (Milligrams)	Niacin value (Milligrams)	Ascorbic acid (Milligrams)
1 229.7	13.3	6 065.8	1.6	1.0	16.1	126.3
1 220.0	13.3	5 904.7	1.6	1.0	15.9	119.2
1 190.6	11.0	7 459.8	1.4	1.1	15.8	134.2
1 213.4	11.3	7 404.6	1.5	1.2	15.8	133.0
1 245.5	12.0	6 775.3	1.5	1.2	15.8	127.7
1 298.6	12.6	7 621.3	1.6	1.3	16.6	140.9
1 273.6	12.6	7 241.2	1.5	1.3	16.1	142.6
1 281.9	12.6	7 005.7	1.5	1.3	16.2	138.4
1 314.9	13.0	6 814.1	1.6	1.3	16.6	132.2
1 304.0	12.9	7 368.0	1.6	1.4	15.7	138.4
1 339.1	13.4	7 315.6	1.6	1.5	16.8	132.9
1 377.8	13.7	7 648.0	1.6	1.5	17.7	141.7
1 370.7	13.9	7 700.3	1.7	1.5	16.8	133.9
1 385.5	14.2	8 084.5	1.7	1.6	16.7	141.4
1 361.9	14.2	8 596.0	1.6	1.6	16.7	143.9
1 390.6	14.2	8 514.9	1.6	1.6	17.3	157.8
1 302.7	12.8	8 368.5	1.6	1.5	17.1	141.4
1 334.7	13.3	9 109.7	1.6	1.6	17.6	167.0
1 308.2	13.2	8 697.5	1.6	1.6	17.1	150.9
1 245.9	12.6	8 327.2	1.5	1.5	16.4	149.0
1 283.0	13.2	7 773.6	1.6	1.5	16.4	158.2
1 266.6	13.3	7 461.3	1.5	1.5	16.4	153.9
1 214.3	12.6	7 280.5	1.5	1.5	15.8	151.2
1 195.4	12.7	7 003.4	1.5	1.4	15.2	138.5
1 198.3	12.8	7 233.6	1.5	1.4	15.1	149.8
1 204.3	12.8	6 823.9	1.5	1.4	15.2	137.1
1 108.5	12.0	6 583.3	1.4	1.3	14.3	136.6
1 140.2	12.4	6 960.3	1.4	1.3	14.6	133.8
1 150.9	12.6	6 848.9	1.4	1.4	15.0	140.2
1 162.9	12.7	7 165.9	1.5	1.4	15.2	143.6



## ENVIRONMENT

This chapter includes information on air pollution, pollution of rivers, environmental noise monitoring, clearance of municipal solid waste, budget of environmental agencies, pollution inspection and administrative penalty, and water withdrawal. Data on environment come from the official statistics contained in the *Yearbook of Environmental Protection Statistics* published by the Environmental Protection Administration, Executive Yuan. Data on natural protected area and water withdrawal are from the Council of Agriculture, Executive Yuan and Water Resources Agency, Ministry of Economic Affairs respectively.

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 less than 10 $\mu$ m, sulfur dioxide density, nitrogen dioxide density, carbon monoxide density, and ozone density -- monitored in the air by one of the 57 monitoring stations scattered in Taiwan Area is converted to the PSI sub-index value. Second, the largest one picked from the 5 PSI sub-index values calculated by the station for a day is to serve as the PSI for the station on the specific day.

**PSI value cross reference table**

PSI value	PM <sub>10</sub> 24-hr. Average	SO <sub>2</sub> 24-hr. Average	CO 8-hr. Maximum of Average	O <sub>3</sub> 1-hr. Maximum	NO <sub>2</sub> 1-hr. Maximum
	$\mu\text{g}/\text{m}^3$	ppm	ppm	ppm	ppm
50	50	0.03	4.5	0.06	-
100	150	0.14	9	0.12	-
200	350	0.30	15	0.20	0.6
300	420	0.60	30	0.40	1.2
400	500	0.80	40	0.50	1.6
500	600	1.00	50	0.60	2.0

Pollution Level of Major River -- The pollution level of river is measured by the average points converted from dissolved oxygen (DO), biological oxygen demand (BOD<sub>5</sub>), suspended solid (SS), and ammonium nitrate (NH<sub>3</sub>-N) found in water.

**Level of river pollution**

Category	Degree	Non - polluted	Light - polluted	Medium - polluted	Heavy - polluted
<b>DO</b>	( mg / L )	Over 6.5	4.6 ~ 6.5	2.0 ~ 4.5	Under 2.0
<b>BOD<sub>5</sub></b>	( mg / L )	Under 3.0	3.0 ~ 4.9	5.0 ~ 15.0	Over 15.0
<b>SS</b>	( mg / L )	Under 20.0	20 ~ 49.0	50 ~ 100.0	Over 100.0
<b>NH<sub>3</sub>-N</b>	( mg / L )	Under 0.5	0.5 ~ 0.99	1.0 ~ 3.0	Over 3.0
<b>Points</b>		1	3	6	10
<b>Average</b>		Under 2.0	2.0 ~ 3.0	3.1 ~ 6.0	Over 6.0

Notes: (1) The average is adopted for each category of dissolved oxygen, biological oxygen demand, suspended solid, and ammonium nitrate.

(2) For example, tests are conducted to measure the dissolved oxygen, biological oxygen demand, suspended solid, and ammonium nitrate. If the average of the points measured in the tests or all of the four categories exceed 6.0, the water is "heavy-polluted".

Table 68. Nature protected areas

End of Year	Total sizes (Hectares)	Total sizes as % of national territory (%)	Protected area per 1 000 inhabitants (Ha./1 000 Persons)
1983	58 487	1.6	3.1
1984	92 289	2.1	4.8
1985	209 234	5.4	10.8
1986	302 524	7.9	15.5
1987	302 524	7.9	15.3
1988	349 524	9.2	17.5
1989	349 524	9.2	17.3
1990	349 524	9.2	17.1
1991	351 250	9.3	17.0
1992	450 655	12.0	21.7
1993	451 276	12.1	21.5
1994	451 959	12.1	21.3
1995	458 684	12.3	21.5
1996	458 864	12.3	21.3
1997	451 821	12.1	20.8
1998	463 502	12.4	21.1
1999	463 573	12.4	21.0
2000	691 731	18.7	31.1
2001	693 874	18.7	31.0
2002	694 508	18.8	30.8
2003	695 258	18.8	30.8
2004	695 959	18.8	30.7
2005	695 875	18.8	30.6
2006	695 660	18.8	30.4
2007	1 049 328	18.8	45.7
2008	1 051 148	18.8	45.6
2009	1 089 234	18.9	47.1
2010	1 089 233	18.9	47.0
2011	1 097 764	19.2	47.3
2012	1 098 606	19.2	47.1

Notes : 1.Total size as % of national territory and protected area per 1000 inhabitants excluded maritime area.

2.Nature protected areas include marine area 11.74 ha. , wildlife refuges and major wildlife habitats include marine area 295.88 ha. respectively, and national parks include marine area 403,105.04 ha. in 2009.

**Table 69. Emissions of greenhouse gases by kind**10<sup>3</sup>M.T. CO<sub>2</sub> equivalent

Year	Total	Carbon dioxide (CO <sub>2</sub> )	Methane (CH <sub>4</sub> )	Nitrous oxide (N <sub>2</sub> O)	Hydrofluorocarbons (HFCs)	Perfluorocarbons (PFCs)	Sulphur hexafluoride (SF <sub>6</sub> )
1997	213 070	182 148	15 447	12 360	3 115	NE	NE
1998	222 073	190 625	15 149	11 908	4 391	NE	NE
1999	228 805	198 495	14 660	12 258	3 392	NE	NE
2000	246 366	220 928	11 028	12 444	1 833	13	120
2001	251 003	223 600	9 200	12 437	2 081	2 939	746
2002	264 007	234 731	7 250	12 205	1 764	4 143	3 914
2003	271 574	244 000	6 196	11 205	1 590	4 198	4 385
2004	280 771	252 173	5 920	11 734	1 410	4 341	5 193
2005	282 909	258 643	4 979	11 461	73	3 070	4 683
2006	289 945	265 960	4 486	11 674	91	3 264	4 470
2007	290 630	268 856	4 127	11 429	171	2 933	3 114
2008	277 607	256 728	4 727	10 839	1 186	1 682	2 445
2009	256 130	242 361	2 969	3 712	3 792	1 143	2 153
2010	271 919	259 879	2 194	3 071	3 558	1 354	1 863
2011	280 986	265 302	2 238	3 132	7 884	1 008	1 422

Notes : NE(Not Estimated) means that there is not enough data to gather statistics.

**Table 70. Carbon dioxide emissions**10<sup>3</sup>M.T.

Year	Total	Energy use by sectors <sup>1</sup>							Industrial process
		Subtotal	Energy	Industrial	Transportation	Agricultural	Services	Residential	
1998	190 625	177 688	99 730	36 576	31 521	2 020	2 916	4 925	12 937
1999	198 495	186 749	105 983	37 805	32 439	2 019	3 121	5 381	11 746
2000	220 928	205 339	121 041	40 578	32 870	2 337	3 187	5 326	15 589
2001	223 600	208 951	125 268	39 665	32 909	2 429	3 526	5 153	14 649
2002	234 731	216 737	129 281	42 296	34 191	2 433	3 457	5 079	17 994
2003	244 000	226 142	139 711	40 727	34 159	2 782	3 920	4 843	17 858
2004	252 173	233 956	145 538	40 978	35 496	2 946	4 077	4 920	18 217
2005	258 643	240 623	152 670	39 693	36 471	2 599	4 193	4 996	18 020
2006	265 960	247 244	159 302	40 877	36 396	1 629	4 208	4 831	18 716
2007	268 856	250 964	163 129	42 694	35 056	1 079	4 153	4 853	17 892
2008	256 728	239 899	157 128	39 407	33 055	1 351	4 163	4 794	16 829
2009	242 361	227 802	147 823	36 684	33 370	988	4 188	4 750	14 559
2010	259 879	243 304	158 532	40 491	34 472	931	4 166	4 712	16 575
2011	265 302	248 208	161 961	41 671	34 936	927	3 926	4 788	17 094
2012	...	243 545	159 559	40 135	34 153	1 030	3 923	4 745	...

Notes : <sup>1</sup>CO<sub>2</sub> emissions are from fuel combustion only.

**Table 71. Concentration**

Year	Dustfall (Ton/Km <sup>2</sup> /Month)	Total suspended particulates (µg/m <sup>3</sup> )	Suspended particulates (µg/m <sup>3</sup> )	Sulfur Dioxide
2003	4.79	93.06	55.03	3.386
2004	5.77	98.33	62.13	4.082
2005	5.86	92.97	62.75	5.181
2006	5.97	86.65	59.68	4.609
2007	5.92	82.27	59.09	4.533
2008	4.87	80.66	58.07	4.353
2009	5.04	78.74	58.99	4.030
2010	5.11	72.40	56.38	4.070
2011	4.44	71.26	54.25	3.761
2012	4.73	63.17	50.51	3.293

Notes : Data referred to general air quality monitoring stations; Data do not include Kinmen County and Lienchiang County.

**Table 72. Pollutant**

Year	Number of days monitored (Days)	PSI (Days)					The ratio of days with PSI > 100 to days monitored (%)
		Good 0-50	Moderate 51-100	Unhealthful 101-200	Very unhealthful 201-300	Hazardous ≥ 301	
1998	20 722	9 813	9 863	1 042	4	-	5.1
1999	20 647	9 557	10 035	1 054	1	-	5.1
2000	20 760	9 609	10 101	1 050	-	-	5.1
2001	20 699	8 985	11 011	703	-	-	3.4
2002	20 722	8 738	11 321	662	1	-	3.2
2003	20 195	8 551	11 117	527	-	-	2.6
2004	20 598	7 950	11 700	948	-	-	4.6
2005	20 713	8 236	11 554	921	2	-	4.5
2006	20 760	8 578	11 319	863	-	-	4.2
2007	20 759	8 444	11 481	831	3	-	4.0
2008	20 779	8 737	11 425	615	1	1	3.0
2009	20 799	8 262	11 864	660	7	6	3.2
2010	20 771	9 059	11 262	380	14	56	2.2
2011	20 721	9 208	11 228	285	-	-	1.4
2012	21 788	10 474	11 105	208	1	-	1.0

Notes : Data referred to general air quality monitoring stations; Data do not include Kinmen County and Lienchiang County.



**of air pollutants**

ppb

Carbon monoxide	Nitrogen dioxide	Hydrocarbons (Non-methane)	Ozone
619.07	18.684	390.98	59.700
549.10	20.304	364.32	61.470
537.98	18.457	269.41	56.977
515.78	18.058	258.88	59.739
511.44	17.868	269.07	60.126
470.25	16.896	255.22	58.471
446.46	16.149	216.61	59.895
459.45	16.953	242.28	57.379
427.55	15.828	210.52	56.961
426.55	14.643	209.80	56.362

**standard indices (PSI)**

Days of PSI &gt; 100 based upon each pollutant (or pollutant combination) as % of total days with PSI &gt; 100 (%)

Suspended particulates	Sulfur dioxide	Carbon monoxide	Ozone	Nitrogen dioxide
42.7	-	-	57.3	-
43.2	-	-	56.8	-
60.1	-	-	39.9	-
36.8	-	-	63.2	-
21.4	-	-	78.6	-
23.7	-	-	76.3	-
32.8	-	-	67.2	-
42.6	-	-	57.4	-
40.8	-	-	59.2	-
25.9	-	-	74.1	-
40.2	-	-	59.8	-
38.9	-	-	61.1	-
53.1	-	-	46.9	-
30.9	-	-	69.1	-
13.9	-	-	86.1	-

Table 73. General quality of major rivers

mg/l

Year and river	DO	BOD <sub>5</sub>	SS	NH <sub>3</sub> -N
1998	6.1	5.4	122.9	3.1
1999	7.1	4.1	114.2	1.8
2000	7.0	4.2	93.8	2.3
2001	6.1	6.6	191.2	4.2
2002	6.0	6.8	109.5	3.7
2003	5.9	7.2	120.1	3.8
2004	6.6	5.9	171.8	3.5
2005	7.0	4.5	203.7	2.4
2006	7.6	3.2	206.4	2.1
2007	7.7	3.0	200.4	2.2
2008	7.7	2.6	165.5	1.7
2009	7.9	2.8	206.0	1.7
2010	7.7	2.8	154.5	1.7
2011	7.8	3.0	177.0	1.9
2012	8.0	2.4	268.8	1.4
Danshui river	7.1	2.0	21.4	0.9
Lanyang stream	8.6	0.6	627.8	0.0
Fengshan stream	8.7	2.2	26.8	0.5
Touchien stream	9.4	0.9	61.7	0.0
Chungkang stream	7.7	5.1	21.5	1.9
Houlung stream	8.7	2.2	26.6	0.2
Taan stream	9.1	1.0	155.0	0.0
Tachia stream	9.0	2.4	41.3	0.1
Wu stream	8.0	2.3	170.1	0.8
Choshui stream	8.9	1.1	2 722.6	0.1
Peikang stream	5.3	11.4	131.2	6.6
Potzu stream	7.0	3.1	38.5	5.2
Pachang stream	8.0	2.6	86.9	1.7
Chishui stream	4.3	4.7	84.3	3.6
Tsengwen stream	7.6	1.6	36.6	0.2
Yenshui stream	6.1	7.9	42.3	6.7
Erhjen stream	3.5	15.7	136.5	12.3
Akungdiaun stream	4.6	11.4	259.2	24.4
Kaoping stream	7.5	3.0	973.7	1.2
Tung kang stream	4.7	4.4	79.9	3.1
Szuchung stream	8.9	0.9	76.7	0.0
Peinan stream	8.6	0.7	5 396.4	0.1
Hsiukuluan stream	8.6	0.7	205.5	0.1
Hualien stream	8.9	0.6	118.6	0.0
Hoping stream	9.4	0.5	1 316.2	0.0

Notes : Data do not include Kinmen County and Lienchiang County.

Table 74. Pollution level of major rivers

%

Year and river	Non-polluted	Light-polluted	Medium-polluted	Heavy-polluted
1998	64.3	9.3	15.1	11.3
1999	66.2	7.6	14.2	12.0
2000	63.6	12.0	12.3	12.1
2001	61.7	9.8	15.4	13.2
2002	62.4	12.0	11.5	14.0
2003	59.4	13.4	11.3	15.8
2004	64.0	9.8	18.5	7.6
2005	64.2	9.9	19.7	6.2
2006	65.5	9.0	19.5	6.0
2007	61.8	7.9	23.6	6.7
2008	65.2	9.0	21.5	4.2
2009	67.2	8.1	18.9	5.9
2010	62.6	7.4	24.6	5.5
2011	63.7	9.9	21.0	5.3
2012	62.7	9.7	24.0	3.6
Danshui river	70.1	15.1	12.9	2.0
Lanyang stream	100.0	-	-	-
Fengshan stream	84.3	10.8	4.9	-
Touchien stream	82.0	9.0	9.0	-
Chungkang stream	87.8	2.8	5.3	4.1
Houlung stream	79.6	3.9	16.5	-
Taan stream	100.0	-	-	-
Tachia stream	95.5	3.4	1.2	-
Wu stream	88.9	10.2	0.9	-
Choshui stream	98.5	1.5	-	-
Peikang stream	4.1	6.3	50.4	39.3
Potzu stream	43.2	9.4	44.3	3.1
Pachang stream	32.0	18.5	48.2	1.3
Chishui stream	23.2	6.0	57.2	13.5
Tsengwen stream	65.7	24.1	10.2	-
Yenshui stream	45.4	14.9	24.6	15.1
Erhjen stream	12.5	16.5	51.1	19.8
Akungdiaun stream	16.7	15.6	37.0	30.7
Kaoping stream	0.4	6.0	92.6	1.1
Tungkang stream	26.6	21.9	33.5	18.0
Szuchung stream	76.8	13.0	10.1	-
Peinan stream	100.0	-	-	-
Hsiukuluan stream	50.5	8.2	41.4	-
Hualien stream	74.4	12.4	13.2	-
Hoping stream	100.0	-	-	-

Notes : Data do not include Kinmen County and Lienchiang County.

**Table 75. Over-standard time**

Year	Over-standard percentage of environmental noise				
	Total	Morning	Day	Evening	Night
2003	17.55	15.38	11.54	17.31	25.96
2004	15.14	10.88	7.48	17.69	24.49
2005	13.62	11.72	5.52	15.86	21.38
2006	13.00	11.33	7.33	14.67	18.67
2007	11.72	9.66	9.66	8.97	18.62
2008	10.13	8.50	3.92	11.11	16.99
2009	6.67	7.33	4.67	6.67	8.00
Year	Over-standard percentage of environmental noise				
	Total	Day	Evening	Night	
2010	3.91	3.45	2.76	5.52	
2011	3.27	3.27	0.65	5.88	
2012	2.46	1.34	1.34	4.70	

**Notes :** Data of the noise time frames in a day, 24 hours, are divided into morning, day, evening and night before 2010.  
Thereafter, they are divided into day, evening and night.

**Table 76. Clearance of municipal**

Fiscal year	Garbage generated <sup>1</sup> (1 000 tonnes)		Garbage clearance (1 000 tonnes)		Municipal
		Per capita per day (Kg)		Per capita per day (Kg)	
1998	8 992	1.15	8 880	1.14	1.3
1999	8 716	1.10	8 566	1.08	1.9
2000	8 353	1.04	7 876	0.98	5.8
2001	7 839	0.97	7 255	0.90	7.5
2002	7 602	0.94	6 724	0.83	11.6
2003	7 355	0.90	6 139	0.75	16.5
2004	7 555	0.91	5 863	0.71	22.4
2005	7 775	0.94	5 525	0.67	28.9
2006	7 739	0.93	5 033	0.61	35.0
2007	7 976	0.95	4 873	0.58	38.9
2008	7 608	0.90	4 374	0.52	42.5
2009	7 729	0.92	4 223	0.50	45.4
2010	7 871	0.93	4 073	0.48	48.3
2011	7 485	0.88	3 611	0.43	51.8
2012	7 471	0.88	3 379	0.40	54.8

**Notes :** <sup>1</sup>Data refer to garbage clearance before 1998.  
Data do not include Kinmen County and Lienchiang County before 2004.

**frames of noise monitoring**

%

Over-standard percentage of traffic noise					
Total	Morning	Day	Evening	Night	
2.46	1.64	1.64	4.10	2.46	
2.98	1.79	1.19	5.36	3.57	
1.52	0.61	-	3.05	2.44	
1.52	1.22	0.61	1.83	2.44	
1.54	1.23	1.23	2.47	1.23	
1.40	1.24	1.24	1.86	1.24	
2.11	1.81	2.41	2.41	1.81	

  

Over-standard percentage of traffic noise				
Total	Day		Evening	Night
0.63	0.63		0.63	0.63
0.21	-		0.62	-
0.42	-		0.63	0.63

**solid waste by all organizations**

waste recycling rate(%)			Garbage disposal rate (%)	Solid waste collection & treatment personnel (Persons)	Equipment for collection & disposal of solid waste (Vehicles)
Garbage recycling rate	Food waste recycling rate	Bulk waste recycling & reuse rate			
1.3	...	...	82.9	30 192	9 270
1.9	...	...	86.7	30 585	9 745
5.8	...	...	90.2	31 512	10 862
7.5	...	...	93.4	29 434	11 343
11.6	...	...	96.2	29 526	11 979
14.3	2.3	...	98.2	32 041	11 524
18.4	4.0	...	98.9	31 728	12 382
22.6	6.0	0.4	99.5	32 264	12 638
27.2	7.4	0.4	99.8	32 344	12 952
30.2	8.3	0.4	99.6	32 588	14 233
32.8	9.1	0.6	100.0	32 588	14 794
35.2	9.3	0.9	100.0	33 158	14 666
37.5	9.8	1.0	100.0	33 545	14 937
39.9	10.8	1.1	100.0	33 223	15 673
42.4	11.2	1.2	100.0	33 564	16 078

Table 77. Budget of

Fiscal year & district	Expenditure on environmental protection as % of GDP	Total <sup>1</sup>	Ordinary administration	Comprehensive planning	Research & Development	Air quality protection	Noise control
2004	0.39	44 571 107	6 217 207	282 894	82 210	158 303	60 730
2005	0.39	46 114 713	6 058 420	622 568	78 112	123 887	79 362
2006	0.37	45 382 534	6 401 331	329 025	55 292	119 861	73 627
2007	0.34	43 722 985	6 585 951	308 165	78 129	109 383	104 939
2008	0.36	45 002 263	6 956 058	336 707	96 248	19 536	74 399
2009	0.37	46 714 821	7 043 420	419 165	186 289	12 707	74 883
2010	0.35	48 007 788	7 635 163	394 956	140 282	36 044	63 568
2011	0.34	46 310 570	7 475 882	348 812	172 323	45 812	66 602
2012	0.33	46 802 798	7 664 581	266 340	130 477	41 941	154 269
2013	0.31	45 002 937	7 414 517	268 182	134 769	41 467	65 220
E.P.A.	...	4 713 602	772 248	96 932	53 066	5 935	21 114
New Taipei City	...	8 245 514	354 426	44 099	80 401	8 433	5 279
Taipei City	...	6 814 126	366 845	-	-	2 945	15 977
Taichung City	...	4 099 710	1 904 845	16 651	-	8 771	1 997
Tainan City	...	2 662 981	382 533	10 737	-	650	2 614
Kaohsiung City	...	4 102 000	674 183	11 291	-	-	486
Yilan County	...	601 972	122 913	2 207	-	-	93
Taoyuan County	...	3 460 111	445 034	6 661	-	12 775	3 037
Hsinchu County	...	710 925	166 593	9 420	-	-	175
Miaoli County	...	996 634	99 813	14 813	-	300	4 542
Changhwa County	...	1 342 386	203 281	6 892	-	299	-
Nantou County	...	590 674	53 741	3 004	1 302	-	39
Yunlin County	...	1 034 118	99 785	3 171	-	247	-
Chiayi County	...	636 905	131 278	1 140	-	193	125
Pingtung County	...	1 209 249	254 674	3 589	-	-	535
Taitung County	...	512 177	211 855	-	-	-	-
Hualien County	...	518 313	152 103	12 170	-	-	3 137
Penghu County	...	220 214	29 183	-	-	-	-
Keelung City	...	775 716	467 772	11 676	-	-	2 246
Hsinchu City	...	830 244	323 246	7 536	-	919	880
Chiayi City	...	517 497	121 570	624	-	-	2 944
Kinmen County	...	351 844	60 850	3 287	-	-	-
Lienchiang County	...	56 025	15 746	2 282	-	-	-

Notes : <sup>1</sup>Refer to budget of environmental protection.

Data do not include Kinmen County and Lienchiang County before 2005.

**environmental agencies**

Thousand NT\$

Water quality protection	Solid waste management	Sanitation & toxic chemicals control	Performance evaluation & dispute settlement	Environmental monitoring & data processing	Environmental analysis	Construct & equipment	Others
803 800	31 961 175	729 460	786 189	365 590	131 129	2 710 244	282 176
1 747 512	32 195 166	717 127	773 445	347 350	133 917	2 935 737	302 110
1 760 549	31 161 533	1 746 295	790 023	342 910	141 759	2 102 685	357 644
1 083 466	31 243 910	845 432	786 183	282 972	133 376	1 789 372	371 707
1 269 775	31 027 758	944 655	777 453	319 389	127 566	2 689 923	362 796
1 462 673	31 834 053	1 480 517	800 210	330 646	139 644	2 640 554	290 060
1 395 640	31 835 595	2 202 249	819 958	323 369	125 682	2 700 086	335 196
1 206 903	31 814 326	2 003 574	821 811	234 624	136 586	1 589 203	394 112
1 089 000	31 671 997	2 621 723	867 834	281 264	116 780	1 476 417	420 175
921 327	31 042 624	1 883 238	845 627	212 295	238 210	1 527 331	408 130
565 819	1 360 070	954 069	522 302	186 615	171 032	-	4 400
43 676	6 743 155	357 803	38 486	1 910	2 669	552 177	13 000
2 797	5 705 552	81 135	173 373	13 254	34 857	191 238	226 153
13 916	1 905 324	48 382	34 660	-	6 683	147 481	11 000
17 545	2 217 999	23 464	1 737	-	1 861	3 841	-
22 261	3 322 957	23 579	42 474	-	4 019	-	750
5 417	440 434	1 095	280	82	445	29 006	-
157 838	2 684 886	43 565	7 155	5 385	4 479	89 296	-
5 136	382 585	101 421	-	328	2 007	20 577	22 683
7 131	716 287	33 219	2 859	-	100	117 570	-
11 103	999 408	18 037	1 074	-	1 223	101 069	-
402	504 061	8 096	3 806	2 193	361	13 669	-
6 436	857 974	16 667	-	-	-	49 768	70
17 108	462 043	1 540	-	-	-	21 251	2 227
7 292	880 531	8 575	11 447	-	753	41 853	-
1 913	276 448	14 811	-	-	-	7 150	-
8 870	328 562	2 759	50	1 231	694	5 565	3 172
3 315	163 943	15 589	-	-	-	8 184	-
2 937	140 420	-	-	-	4 055	21 935	124 675
7 760	458 301	27 707	-	1 297	2 598	-	-
2 569	284 089	86 763	5 924	-	374	12 640	-
10 086	175 942	14 618	-	-	-	87 061	-
-	31 653	344	-	-	-	6 000	-

**Table 78. Pollution inspection and administrative penalty**

Year & type of industries	Number of inspections	Number of penalties	Fine paid (Thousand NT\$)
2003	1 883 275	103 032	626 531
2004	1 638 260	83 829	577 728
2005	1 334 223	92 365	606 983
2006	1 195 530	92 812	649 971
2007	1 311 639	99 301	709 054
2008	1 576 742	134 842	1 376 796
2009	1 528 466	190 404	637 295
2010	1 966 197	171 181	668 012
2011 r	2 154 295	191 073	710 398
2012	1 791 650	303 550	966 172
Air pollution	1 215 278	46 088	350 061
Construction sources	7 962	863	37 733
Other stationary sources	89 722	2 976	223 554
Automobile sources	1 117 594	42 249	88 774
Water pollution	44 135	2 301	222 780
Industrial wastewater [exclude livestock wastewater]	26 518	1 787	168 807
Livestock Wastewater	10 123	404	17 420
Industrial sewerage systems	3 322	63	33 278
Public and community sewerage systems	4 172	47	3 171
Others	-	-	105
Solid waste pollution	394 451	251 735	314 704
Municipal solid wastes	310 015	247 485	246 356
Industrial solid wastes	30 605	3 425	48 090
Waste clean-up and disposal organizations	6 383	535	8 141
Recycled resources & others	47 448	290	12 116
Noise pollution	88 347	2 476	19 797
Toxic chemical substances	9 328	258	25 483
Environmental agents	19 657	30	1 767
Drinking water pollution	10 880	41	2 913
Environment impact assessment	1 180	57	18 139
Soil & groundwater pollution	1 207	48	5 365
Ocean pollution	5 641	4	2 131
Other pollution	1 546	512	3 033

Notes : Data do not include Kinmen County and Lienchiang County before 2007.



Table 79. Water withdrawal

Year	Per capita <sup>1</sup> annual withdrawal (M <sup>3</sup> )	Percentage of <sup>2</sup> available resources (%)	Water supply <sup>1</sup> service's ratio (%)
1983	1 019.1	...	69.7
1984	969.6	...	71.7
1985	958.9	...	73.2
1986	949.1	...	74.5
1987	943.1	...	75.9
1988	933.4	...	77.6
1989	950.9	...	78.9
1990	963.4	...	80.0
1991	862.0	...	80.8
1992	861.6	...	81.9
1993	818.5	...	83.4
1994	834.5	...	84.9
1995	889.6	...	85.6
1996	845.2	...	85.6
1997	833.6	...	87.4
1998	773.2	...	88.0
1999	766.5	...	88.4
2000	803.3	...	90.5
2001	827.4	15.8	90.5
2002	832.5	31.4	90.8
2003	780.1	26.2	90.9
2004	785.5	19.4	91.3
2005	790.1	12.6	91.6
2006	762.9	16.8	91.9
2007	810.6	13.6	92.0
2008	782.0	15.5	92.2
2009	783.9	20.0	92.2
2010	737.7	18.1	92.3
2011	742.7	19.6	92.5
2012	...	...	92.7

Notes : <sup>1</sup> Data do not include Kinmen County and Lienchiang County before 2000.

<sup>2</sup> Data do not include Kinmen County and Lienchiang County.

<sup>2</sup> Percentage of available resources = (Total amount of water above ground/annual runoff)×100.



## JUSTICE AND PUBLIC SAFETY

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

The treatment of crimes refers to investigation, trial and execution of court sentence as regard to crimes according to the Criminal Suit Law, the Juvenile Delinquency Treatment Law, and related laws. For a crime, a prosecutor shall conduct investigation in accordance with law and indict a suspect if the evidences obtained from his investigation are sufficient to prove the suspect guilty. After court trials, if the suspect is found guilty and convicted, he will be sent to the public prosecutor's offices of the courts for execution of punishment.

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

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

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

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

**Fatal Traffic Accident** -- It refers to a major, heavily wounded traffic accident. The death toll refers to the number of deaths instantly caused by the accident and deaths occurring within 24 hours following the accident.

Table 80. Offenses, offenders

Year	Cases known to the police					Crime rate (Cases/100 000 pop.)
	Total (Cases)	Larceny & automobile theft (%)	Violent crime (%)	Gambling (%)	Drug offenses (%)	
1983	51 427	56.1	8.5	4.2	1.9	276.6
1984	52 168	53.6	8.5	5.3	1.9	276.4
1985	60 707	48.9	9.1	5.8	2.1	317.3
1986	179 990	75.2	3.5	4.5	1.2	929.9
1987	184 328	71.8	3.3	7.7	1.1	942.2
1988	219 713	78.2	3.1	5.4	1.0	1 110.3
1989	260 934	81.6	3.0	4.9	1.0	1 304.3
1990	280 342	82.4	3.6	4.2	1.6	1 385.8
1991	304 141	74.3	2.9	7.1	6.5	1 486.9
1992	289 052	65.8	2.2	9.7	11.9	1 399.5
1993	319 179	67.2	2.2	5.6	14.7	1 531.0
1994	323 459	73.0	2.4	5.6	10.3	1 537.7
1995	429 233	77.4	3.8	4.3	5.6	2 023.3
1996	456 117	76.5	3.7	3.9	6.3	2 132.6
1997	426 425	75.0	3.2	3.2	7.6	1 971.1
1998	434 513	77.0	3.0	2.1	7.1	1 989.9
1999	386 241	70.5	2.9	1.8	10.4	1 754.8
2000	438 520	69.7	2.4	0.9	9.5	1 976.7
2001	490 736	68.9	2.9	0.5	5.9	2 196.6
2002	503 389	67.6	3.0	0.5	5.1	2 241.0
2003	494 755	66.8	2.6	0.5	5.2	2 192.8
2004	522 305	63.2	2.4	0.5	7.2	2 306.3
2005	555 109	59.1	2.6	0.4	8.9	2 442.2
2006	512 788	54.9	2.4	1.0	8.9	2 246.8
2007	491 815	49.0	1.9	1.1	10.7	2 146.0
2008	453 439	46.2	1.8	1.2	11.6	1 971.7
2009	386 075	40.2	1.8	1.5	11.6	1 672.9
2010	371 934	38.4	1.4	1.7	13.0	1 607.3
2011	347 674	33.6	1.2	2.0	13.2	1 499.0
2012	317 356	27.0	0.9	1.8	11.8	1 363.8

**and cleared cases**

Number of offenders (Persons)	Offenders rate (Persons/100 000 pop.)					Cleared cases (Cases)	Clearance rate (%)
	Total	Child	Juvenile	Adolescent	Adult		
43 601	234.5	14.0	448.4	390.5	251.4	42 783	83.2
49 168	260.5	19.3	492.2	404.0	286.6	46 544	89.2
57 408	300.0	20.6	512.3	434.4	350.2	48 049	79.2
80 814	417.5	33.7	711.9	555.0	494.6	94 139	52.3
87 086	445.1	27.8	787.6	544.0	532.1	105 246	57.1
81 503	411.9	25.3	796.5	537.6	466.4	113 374	51.6
86 907	434.4	26.4	881.6	582.6	475.8	135 556	52.0
86 723	428.7	20.8	769.0	636.1	475.8	142 856	51.0
145 442	711.0	31.6	1 106.8	1 240.3	780.0	191 492	63.0
172 551	835.4	38.8	1 310.8	1 429.6	911.3	208 298	72.1
176 748	847.8	30.8	1 289.7	1 369.7	942.3	214 409	67.2
153 097	727.8	26.2	1 181.1	1 086.2	803.0	209 177	64.7
155 613	733.5	28.8	1 224.0	1 094.9	795.9	230 513	53.7
173 047	809.1	30.0	1 253.1	1 261.2	882.6	265 471	58.2
172 540	797.5	23.5	1 068.0	1 242.1	898.5	242 392	56.8
158 923	727.8	17.8	1 034.9	1 138.5	807.5	251 638	57.9
179 597	816.0	17.1	995.2	1 361.9	914.6	253 299	65.6
181 614	818.7	13.9	882.7	1 347.7	935.6	259 645	59.2
180 527	808.0	14.3	849.0	1 165.0	950.3	271 128	55.3
185 751	826.9	12.5	804.1	1 191.0	976.1	297 816	59.2
158 687	703.3	11.6	641.5	1 016.6	829.4	290 962	58.8
176 975	781.5	10.9	548.5	1 010.6	955.0	313 848	60.1
207 425	912.6	11.4	495.9	1 100.9	1 136.6	346 677	62.5
229 193	1 004.2	14.3	535.4	1 200.1	1 242.1	342 329	66.8
265 860	1 160.1	15.9	561.7	1 384.0	1 429.7	367 001	74.6
271 186	1 179.2	15.7	582.2	1 363.0	1 445.1	350 497	77.3
261 973	1 135.1	15.7	556.4	1 318.3	1 378.7	311 648	80.7
269 340	1 163.9	17.1	581.1	1 317.0	1 404.6	296 500	79.7
260 356	1 122.5	20.1	703.5	1 376.6	1 315.8	276 371	79.5
262 058	1 126.1	24.0	822.7	1 463.7	1 289.4	266 512	84.0

Table 81. Burglary and larceny

Year	Cases known to the police (Cases)				Number of offenders (Persons)			
	Total	Larceny	Automobile theft	Motorcycle theft	Total	Larceny	Automobile theft	Motorcycle theft
1983	28 870	21 372	7 498	-	17 312	16 375	937	-
1984	27 969	21 254	6 715	-	18 885	17 952	933	-
1985	29 671	21 196	8 475	-	19 937	19 021	916	-
1986	135 319	38 872	9 638	86 809	28 046	26 983	1 063	-
1987	132 387	27 709	9 818	94 860	25 920	25 023	897	-
1988	171 897	23 316	17 083	131 498	25 929	24 687	1 242	-
1989	212 912	17 990	24 335	170 587	28 665	26 911	1 754	-
1990	231 050	12 840	29 587	188 623	24 129	22 522	1 607	-
1991	225 976	15 607	28 975	181 394	31 631	29 364	2 267	-
1992	190 305	17 430	23 129	149 746	34 360	32 515	1 845	-
1993	214 383	14 616	21 236	178 531	32 656	30 953	1 703	-
1994	236 251	13 404	20 911	201 936	30 786	29 375	1 411	-
1995	332 154	46 580	26 605	258 969	34 551	15 021	1 491	18 039
1996	348 879	60 325	32 078	256 476	40 995	19 560	2 403	19 032
1997	319 902	60 118	35 824	223 960	34 162	17 854	2 434	13 874
1998	334 495	56 130	46 694	231 671	36 524	17 840	3 055	15 629
1999	272 355	46 099	40 323	185 933	40 677	21 199	4 077	15 401
2000	305 793	62 686	47 750	195 357	38 068	19 674	4 978	13 416
2001	338 063	94 947	51 377	191 739	40 178	23 917	4 990	11 268
2002	340 536	100 361	48 925	191 250	40 721	27 015	3 349	10 357
2003	330 655	100 049	48 373	182 233	34 786	23 939	2 721	8 126
2004	330 320	113 144	50 719	166 457	35 031	23 740	3 322	7 969
2005	328 154	148 501	48 992	130 661	39 374	27 783	3 654	7 937
2006	281 561	144 903	33 739	102 919	39 927	30 769	2 489	6 669
2007	241 091	118 714	31 966	90 411	42 053	34 165	2 258	5 630
2008	209 351	101 630	28 508	79 213	42 364	34 441	2 597	5 326
2009	155 151	77 862	19 697	57 592	35 585	28 816	2 001	4 768
2010	142 774	75 991	17 106	49 677	37 554	30 598	2 287	4 669
2011	116 831	67 580	11 385	37 866	36 278	29 949	1 955	4 374
2012	100 264	61 341	8 577	30 346	37 059	31 585	1 657	3 817

Table 82. Violent crimes

Year	Cases known to the police (Cases)						Number of offenders (Persons)							
	Murder & nonnegligent manslaughter	Serious Injury	Robbery and forceful taking	Kidnaping	Intimidation	Forcible rape	Murder & nonnegligent manslaughter	Serious Injury	Robbery and forceful taking	Kidnaping	Intimidation	Forcible rape		
1983	4 385	1 441	-	1 745	91	653	455	4 881	1 923	-	1 417	214	841	486
1984	4 417	1 507	-	1 644	110	559	597	5 148	2 048	-	1 344	284	854	618
1985	5 542	1 362	-	2 501	69	843	767	5 630	1 792	-	1 692	128	1 196	822
1986	6 303	1 617	-	2 884	78	870	854	6 065	2 028	-	1 958	186	1 072	821
1987	6 095	1 572	-	2 569	77	992	885	6 443	2 081	-	2 093	152	1 226	891
1988	6 797	1 591	-	3 351	98	1 017	740	7 106	1 947	-	2 962	222	1 256	719
1989	7 835	1 699	-	4 429	160	942	605	8 921	2 051	-	4 826	331	1 103	610
1990	9 985	1 736	-	4 397	187	2 926	739	10 091	2 047	-	3 692	372	3 294	686
1991	8 683	1 784	-	3 385	128	2 620	766	9 435	2 126	-	2 955	276	3 400	678
1992	6 480	1 540	-	2 509	96	1 673	662	7 216	1 875	-	2 316	208	2 182	635
1993	7 110	1 622	-	3 092	106	1 418	872	8 206	2 295	-	2 993	238	1 853	827
1994	7 688	1 508	-	3 973	98	1 247	862	8 837	2 348	-	3 673	226	1 741	849
1995	16 489	1 765	-	11 670	98	1 817	1 139	10 993	2 738	-	4 914	247	2 026	1 068
1996	16 827	1 798	-	11 376	149	2 143	1 361	11 426	2 647	-	5 044	398	2 082	1 255
1997	13 648	1 712	-	8 169	92	2 197	1 478	11 084	2 638	-	4 844	247	1 975	1 380
1998	12 877	1 341	-	7 356	64	2 191	1 925	10 627	1 956	-	4 530	215	1 907	2 019
1999	11 362	1 269	-	6 328	63	2 019	1 683	9 681	1 937	-	4 241	159	1 716	1 628
2000	10 306	1 132	91	7 250	77	27	1 729	8 217	1 843	153	4 372	202	27	1 620
2001	14 327	1 072	60	10 959	76	35	2 125	9 595	1 561	90	5 678	236	30	2 000
2002	14 895	1 156	82	11 250	83	35	2 289	9 488	1 812	121	5 183	210	35	2 127
2003	12 966	1 057	110	9 236	73	45	2 445	8 580	1 766	170	4 088	217	28	2 311
2004	12 706	910	67	9 525	80	23	2 101	7 441	1 519	143	3 555	238	30	1 956
2005	14 301	903	45	11 022	65	31	2 235	7 508	1 433	92	3 767	226	45	1 945
2006	12 226	921	46	8 911	64	24	2 260	7 978	1 715	87	3 731	240	22	2 183
2007	9 534	881	45	6 059	38	24	2 487	7 529	1 530	75	3 305	176	38	2 405
2008	8 117	803	31	4 925	29	10	2 319	6 843	1 337	84	2 995	97	8	2 322
2009	6 764	832	37	3 799	18	5	2 073	6 139	1 437	67	2 486	82	11	2 056
2010	5 312	743	25	2 557	19	9	1 959	5 365	1 420	32	1 911	74	6	1 922
2011	4 190	686	28	1 661	10	5	1 800	4 929	1 412	60	1 539	58	14	1 846
2012	3 461	624	35	1 275	11	1	1 515	4 527	1 444	68	1 346	45	1	1 623

Notes : From year 2000, serious injuries are included, and intimidation refer to serious cases only, such as someone with gun, poisoning or arsoning... forceful behavior to intimidate others.

Table 83. Juvenile offenders

Year	Juvenile delinquents (Persons)										Juvenile offenders as % of total offenders
	Total	Burglary and larceny	Subtotal	Violent crime						Drug Offenses	
				Murder & nonnegligent manslaughter	Serious Injury	Robbery and forceful taking	Kidnaping	Intimidation	Forcible rape		
1988	17 510	11 664	2 138	355	-	988	29	616	150	50	21.5
1989	19 593	13 132	2 694	438	-	1 648	40	420	148	47	22.6
1990	17 286	10 124	2 613	381	-	1 121	40	963	108	1 389	19.9
1991	25 472	11 794	2 111	263	-	627	35	1 085	101	6 856	17.5
1992	30 719	13 549	1 498	276	-	492	26	616	88	10 736	17.8
1993	30 780	15 216	1 941	469	-	805	6	504	157	8 847	17.4
1994	28 378	16 086	2 735	663	-	1 295	12	544	221	4 613	18.5
1995	29 287	16 818	3 650	750	-	1 812	17	794	277	3 693	18.8
1996	29 680	16 757	3 077	591	-	1 454	25	640	367	4 577	17.2
1997	24 766	13 079	3 049	638	-	1 380	18	598	415	3 982	14.4
1998	23 094	14 116	2 623	328	-	1 296	25	610	364	2 805	14.5
1999	21 224	13 090	2 190	324	-	1 022	23	489	332	2 726	11.8
2000	18 144	10 656	1 589	294	16	975	10	-	294	1 899	10.0
2001	16 939	8 799	1 611	202	23	1 000	19	1	366	922	9.4
2002	15 659	7 769	1 394	269	28	756	6	1	334	1 073	8.4
2003	12 331	6 498	1 129	210	29	480	16	-	394	783	7.8
2004	10 540	4 859	1 092	248	37	432	15	3	357	712	6.0
2005	9 620	4 566	895	211	23	373	2	4	282	645	4.6
2006	10 384	4 689	1 155	299	13	449	15	1	378	518	4.5
2007	10 881	4 285	872	213	13	286	16	2	342	602	4.1
2008	11 283	3 940	845	165	6	274	1	1	398	607	4.2
2009	10 762	3 882	829	173	19	255	8	-	374	843	4.1
2010	11 102	4 086	700	175	2	158	3	-	362	1 213	4.1
2011	13 103	4 053	752	261	7	111	1	-	372	1 317	5.0
2012	15 078	4 368	863	309	17	165	6	-	366	1 655	5.8



**Table 84. Treatment of criminals by the justice**

Year	Suspects under investigation			Offenders receiving trial (Persons)	
	Preliminary investigation concluded (Persons)	The indicted (Persons)	Indictment rate (%)	Offenders convicted	Offenders convicted per 100 000 population
1983	329 581	242 604	73.6	200 387	1 074.3
1984	330 302	242 145	73.3	215 444	1 138.1
1985	369 895	268 843	72.7	220 109	1 146.9
1986	296 895	191 381	64.5	204 553	1 053.8
1987	206 641	115 068	55.7	111 709	569.4
1988	166 386	88 791	53.4	73 550	370.7
1989	172 334	93 584	54.3	75 904	378.5
1990	182 350	100 786	55.3	74 456	367.2
1991	252 473	150 411	59.6	109 320	533.2
1992	302 914	186 568	61.6	147 857	714.1
1993	318 327	180 838	56.8	151 466	724.8
1994	304 243	166 186	54.6	144 829	686.8
1995	303 051	162 359	53.6	131 669	619.1
1996	344 714	186 637	54.1	130 759	609.8
1997	362 487	187 238	51.7	147 002	679.5
1998	336 978	142 499	42.3	118 435	542.4
1999	365 543	142 172	38.9	105 900	481.1
2000	375 188	150 795	40.2	122 076	550.3
2001	362 975	157 437	43.4	128 453	575.0
2002	382 363	153 003	40.0	127 127	565.9
2003	367 158	136 258	37.1	131 680	583.6
2004	377 734	139 454	36.9	115 181	508.6
2005	426 546	158 817	37.2	126 978	558.6
2006	474 688	189 943	40.0	145 741	638.6
2007	506 648	221 486	43.7	173 711	758.0
2008	526 143	231 813	44.1	198 685	863.9
2009	518 747	216 540	41.7	190 474	825.3
2010	523 887	218 443	41.7	180 081	778.2
2011	508 257	211 783	41.7	175 300	755.8
2012	494 883	203 760	41.2	173 864	747.2

Table 84. Treatment of criminals

Year	Offenders convicted by length of sentence					
	Death sentence	Life imprisonment	A definite period in prison	A definite period in prison		Detention
				Under 6 months	3 years and over	
1983	8	155	39 359	24 566	3 950	40 150
1984	17	156	45 962	28 059	4 281	39 365
1985	1	105	47 351	28 782	3 992	39 830
1986	8	144	51 615	31 324	4 201	30 600
1987	7	137	54 999	33 013	4 268	10 444
1988	20	110	52 627	31 350	3 796	4 388
1989	66	150	54 014	28 946	4 948	5 228
1990	72	209	50 003	25 135	6 732	5 848
1991	58	173	67 501	42 416	6 319	7 224
1992	37	179	89 979	59 242	8 899	8 857
1993	20	247	109 792	66 091	16 208	10 151
1994	16	302	101 040	56 579	17 719	11 478
1995	15	235	86 939	49 673	15 070	12 414
1996	20	202	82 506	49 403	10 979	14 391
1997	35	208	95 426	58 993	11 661	17 268
1998	31	189	72 402	44 869	7 501	14 899
1999	23	167	61 219	36 305	4 880	15 205
2000	18	127	66 907	39 310	4 236	21 139
2001	10	151	71 777	42 189	4 265	26 158
2002	9	110	69 656	41 354	4 227	31 105
2003	7	129	77 353	46 506	4 736	32 294
2004	4	98	72 752	43 385	4 603	27 349
2005	1	90	83 380	47 989	4 775	28 445
2006	3	131	96 434	56 639	6 184	32 266
2007	-	89	113 164	74 052	6 198	41 287
2008	-	111	134 556	86 588	6 390	42 133
2009	-	76	124 676	79 915	6 163	39 508
2010	4	61	117 622	79 084	6 747	39 580
2011	5	45	117 843	79 205	7 232	35 483
2012	1	54	117 212	78 987	7 264	34 773

**by the justice (continued)**

Persons

Fine	Prisonment			
	New inmates	Inmates as of the end of current year	Inmates freed from jails	Inmates paroled from jail
120 657	21 893	19 749	20 434	3 494
129 886	24 211	23 224	20 499	3 499
132 786	25 499	25 641	22 812	4 209
119 633	23 453	25 246	23 610	4 939
41 377	19 240	22 047	20 508	5 254
16 334	13 886	13 790	21 935	5 210
16 417	19 398	18 144	14 788	4 471
18 262	21 154	22 963	16 104	3 645
34 295	20 871	23 073	20 467	4 125
48 727	24 865	29 606	17 991	4 898
31 154	34 229	39 946	23 358	7 771
31 939	36 141	42 816	32 479	14 872
32 023	31 842	39 917	34 007	19 631
33 587	32 654	41 613	30 601	16 639
33 995	35 405	45 537	31 424	14 069
26 884	28 076	40 815	31 826	14 596
26 074	22 790	38 278	27 464	13 310
31 695	23 147	37 611	26 243	11 691
29 634	24 760	39 253	25 528	9 342
25 939	27 003	39 825	28 225	9 084
21 681	28 966	41 245	29 190	8 259
14 868	33 346	45 955	30 713	7 820
14 968	33 193	48 779	31 244	7 371
16 837	37 607	51 381	35 709	10 726
19 099	34 991	40 461	46 322	7 857
21 821	48 234	52 708	36 365	6 347
26 139	42 336	55 225	38 362	8 301
22 748	37 159	57 088	35 133	9 300
21 867	36 459	57 479	36 479	11 121
21 757	35 329	58 674	34 379	10 219

Table 85. Fire losses and casualties

Year	Number of fires	Number of burned houses	Number of casualties		Estimated property losses (Million NT\$)
			Deaths	Injuries	
1983	10 025	2 056	130	342	2 236
1984	8 411	1 930	206	369	2 535
1985	7 599	1 492	160	381	2 938
1986	10 306	1 719	221	396	1 930
1987	8 341	1 264	183	337	2 744
1988	7 298	1 373	222	384	2 445
1989	7 464	1 509	316	450	3 615
1990	7 665	1 370	290	396	3 149
1991	7 742	1 680	250	624	3 002
1992	7 389	1 493	323	521	2 194
1993	9 870	1 844	377	706	2 422
1994	10 763	2 222	330	696	2 490
1995	10 916	2 169	294	614	3 778
1996	13 309	2 020	275	782	2 815
1997	15 115	2 278	226	637	2 637
1998	14 555	2 431	306	763	2 883
1999	18 254	3 384	230	643	2 611
2000	15 560	3 026	262	732	2 344
2001	13 750	2 844	234	806	15 563
2002	13 244	2 585	193	664	2 197
2003	8 642	2 197	228	768	2 144
2004	6 611	2 065	160	551	2 089
2005	5 139	1 462	139	532	2 823
2006	4 332	1 489	125	471	1 559
2007	3 392	1 483	120	398	1 292
2008	2 886	1 252	101	304	1 475
2009 r	2 621	1 292	117	298	759
2010 r	2 186	1 276	83	308	1 688
2011	1 772	1 028	97	288	553
2012	1 574	907	142	286	694

Notes : A big fire occurred in Taipei Eastern Science-Based Industrial Park on May 12, 2001, which caused a great property loss.

**Table 86. Traffic accidents**

Year	Number of vehicle accidents	Number of accidents per 10 000 vehicles	Number of casualties		Number of casualties per 100 000 population
			Deaths	Injuries	
1983	7 807	12.3	3 392	9 374	68.4
1984	7 221	10.3	3 540	8 265	62.4
1985	6 461	8.4	3 564	6 955	54.8
1986	8 630	10.4	4 139	9 983	72.8
1987	8 359	10.3	4 373	9 410	70.3
1988	7 044	8.8	4 190	7 461	58.7
1989	6 405	7.2	3 930	6 571	52.4
1990	6 206	6.4	3 910	6 155	49.6
1991	4 729	4.6	3 305	4 308	37.1
1992	3 489	3.2	2 717	2 929	27.3
1993	2 696	2.3	2 349	2 115	21.4
1994	3 603	3.0	3 094	2 937	28.6
1995	3 528	2.8	3 065	2 933	28.2
1996	3 619	2.6	2 990	2 939	27.7
1997	3 162	2.1	2 735	2 428	23.9
1998	2 720	1.7	2 507	2 007	20.7
1999	2 487	1.5	2 392	1 636	18.3
2000	52 952	31.8	3 388	66 895	316.8
2001	64 264	37.3	3 344	80 612	375.8
2002	86 259	48.8	2 861	109 594	500.6
2003	120 223	66.0	2 718	156 303	704.8
2004	137 221	72.8	2 634	179 108	802.5
2005	155 814	79.8	2 894	203 087	906.2
2006	160 897	80.1	3 140	211 176	939.0
2007	163 971	80.0	2 573	216 927	957.8
2008	170 127	81.4	2 224	227 423	998.6
2009	184 749	87.0	2 092	246 994	1 079.3
2010 r	219 651	101.9	2 047	293 764	1 278.3
2011	235 776	107.3	2 117	315 201	1 368.1
2012	249 465	111.9	2 040	334 082	1 444.4

**Notes :** 1.Cases of traffic accidents referred to deaths or seriously injuries only before 2000 and included cases of injuries not heavily afterwards.

2.The number of casualties of traffic accidents increased sharply because revised reporting system and new statistical process were inaugurated in 2000, which strengthened to follow cases of seriously injured.



## 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 *Yearbook of Labor Insurance Statistics*, published by the Bureau of Labor Insurance. Statistics on National Health Insurance are obtained from the *National Health Insurance Annual Statistical Report*, published by the National Health Insurance Administration Ministry of Health and Welfare. Statistics on social welfare expenditure are obtained from the *Yearbook of Financial Statistics*, published by the Department of Statistics, Ministry of Finance. All other information comes from the *Monthly Bulletin of Interior Statistics*, and the *Statistical Yearbook of Interior*, published by the Department of Statistics, Ministry of the Interior.

Social welfare statistics are compiled by the Ministry of Interior 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 -- Before FY1998, the criteria for a low income household were set by the provincial (or) municipal government every year on the basis of the minimum of subsistence required for each locality. In Taiwan Province and Kaohsiung Municipality, the minimum of subsistence were fixed at the level no more than one-third of monthly average income per capita for the previous year. In Taipei Municipality, the cut point was set at a level no more than 40 percent of the current expenditure derived from the survey on household income and expenditure for the previous year. After FY1999, the minimum of subsistence is computed by the central and municipal competent authorities as 60% of the per capita nonproductive expenditure of the latest year announced by the central department of budget, accounting and statistics.

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

Table 87. Insured persons

End of Year	National health insurance	Government employees' and school staffs' insurance	Retired government employees' insurance
1983	-	452 881	9 637
1984	-	468 577	9 922
1985	-	475 663	4 952
1986	-	483 473	4 222
1987	-	489 772	3 632
1988	-	496 175	3 352
1989	-	515 387	3 155
1990	-	536 775	2 921
1991	-	549 615	2 747
1992	-	560 127	2 579
1993	-	572 122	2 409
1994	-	581 047	2 193
1995	19 123 278	588 354	1 710
1996	20 041 488	597 895	1 510
1997	20 492 317	600 026	1 363
1998	20 757 185	574 364	1 208
1999	21 089 859	623 016	1 100
2000	21 400 826	629 395	985
2001	21 653 555	629 358	906
2002	21 869 478	626 652	836
2003	21 984 415	622 851	762
2004	22 134 270	617 260	692
2005	22 314 647	591 158	634
2006	22 484 427	589 237	563
2007	22 803 048	590 808	502
2008	22 918 144	594 798	458
2009	23 025 773	597 983	416
2010	23 074 487	597 583	372
2011	23 198 664	593 949	334
2012	23 280 949	593 846	303

Notes : 1.Retired government employees' insurance has been stopped implementing since 1985. The part of medicare in above each insurance has been moved to National Health Insurance since March 1995.

2.Government Employees' and School Staffs' Insurance(GESSI) launched on May 31, 1999, was the combination of Government Employees' Insurance program(GEI) and Insurance for Teaching and Administrative Staffs of Private School (ITASPS). Data before 1998 covered GEI only, and that of 1999 was summation of GEI and ITASPS from Jan. to May, with GESSI from June to Dec.



**of social insurance**

Persons

Labor insurance	Employment Insurance	Farmers' health insurance	Persons	
				Aged 65 and above
3 322 977	-	-	-	-
3 693 276	-	-	-	-
4 049 472	-	100 739		23 131
4 711 969	-	113 365		27 174
5 321 733	-	218 021		43 945
5 980 157	-	676 461		180 954
6 549 661	-	1 344 155		373 441
6 852 978	-	1 571 296		442 269
7 281 445	-	1 653 676		475 510
7 708 868	-	1 695 167		498 703
8 144 183	-	1 708 488		517 818
8 496 883	-	1 737 740		541 497
7 635 063	-	1 800 187		570 598
7 434 299	-	1 812 293		592 833
7 500 917	-	1 812 260		613 621
7 597 386	-	1 806 392		632 992
7 738 971	4 804 183	1 800 059		654 669
7 915 789	4 962 417	1 779 500		670 233
7 779 127	4 819 919	1 766 854		684 462
7 857 842	4 869 728	1 748 558		701 480
8 102 570	5 024 816	1 710 122		714 640
8 341 927	5 242 310	1 676 550		727 814
8 540 755	5 369 278	1 646 035		741 426
8 681 145	5 447 373	1 622 923		754 241
8 799 405	5 507 865	1 601 410		762 557
8 795 248	5 420 549	1 573 364		765 983
9 029 279	5 584 169	1 540 988		761 961
9 397 608	5 880 500	1 508 284		752 299
9 725 761	6 118 570	1 479 148		743 979
9 709 511	6 224 341	1 454 728		736 121

3. Owing to the modification of National Health Insurance(NHI) Law on Jan. 30, 2001, all soldiers were insured. Therefore, data Of NHI insured persons since 2001 has not included that of the fourth category( including compulsory soldiers, etc.) for the sake of national security. And the figure of percent of the qualified was not available any more.

4. Unemployment Insurance Launched in Jan. 1999.The unemployment benefit belongs to the labor insurance system at first, after employment insurance implemented on January 1st in 2003,change to belong to employment insurance.

**Table 88. Expenditure for social assistance**

Thousand NT\$

Year	Living assistance for low-income families <sup>1</sup>	Medical subsidies	Nursing care assistance for mid or low-income families	Aid for disasters	Aid for emergencies-by cash
1998	3 461 616 147	167 583 664	-	212 540 621	235 284 213
1999	3 703 543 737	102 525 465	-	29 963 121 848	235 417 258
2000	4 032 484 889	96 947 380	-	629 455 638	239 486 894
2001 r	4 077 055 531	101 727 598	102 086 152	968 864 488	214 056 822
2002	4 174 047 421	104 851 072	91 907 148	178 999 352	205 359 625
2003	4 451 909 359	89 630 957	95 233 657	81 288 200	199 139 830
2004	4 712 809 685	105 216 697	92 457 002	662 711 598	245 920 668
2005	5 002 108 520	93 763 626	104 289 186	547 738 500	217 938 907
2006 r	5 282 871 932	56 811 607	102 000 779	84 219 438	215 961 088
2007 r	5 447 436 621	61 541 149	109 650 561	132 553 485	268 450 651
2008 r	5 910 069 185	56 267 436	114 107 649	188 700 276	273 655 482
2009 r	7 419 892 284	66 394 446	121 669 314	821 797 601	245 764 283
2010 r	7 619 473 626	64 026 924	128 706 945	792 256 996	283 733 349
2011 r	8 163 262 709	70 917 654	162 687 156	46 722 902	274 228 292
2012	10 896 489 015	71 755 699	162 830 063	173 625 676	269 201 281

**Notes :** <sup>1</sup>Living assistance includes living support, student living assistance, employment counseling, education subsidies, funeral subsidies, primary festival grants and other subsidies for low-income families.

**Table 89. Low-income households and population**

End of Year	Low-income households		Low-income population	
	Total (Households)	As % of total households	Total (Persons)	As % of total population
1998	54 951	0.86	125 426	0.57
1999	58 310	0.89	136 691	0.62
2000	66 467	0.99	156 134	0.70
2001	67 191	0.99	162 699	0.73
2002	70 417	1.02	171 200	0.76
2003	76 406	1.08	187 875	0.83
2004	82 783	1.15	204 216	0.90
2005	84 823	1.16	211 292	0.93
2006	89 900	1.22	218 166	0.95
2007	90 682	1.21	220 990	0.96
2008	93 032	1.22	223 697	0.97
2009	105 265	1.35	256 342	1.11
2010	112 200	1.41	273 361	1.18
2011	128 237	1.59	314 282	1.35
2012	145 613	1.78	357 446	1.53

**Table 90. Assistance service organizations and inmates**

End of Year	Total		Houses for the aged <sup>1</sup>		Child and Youth Residential Institutions <sup>2</sup>		Handicapped home	
	Organizations (Units)	Inmates (Persons)	Organizations (Units)	Inmates (Persons)	Organizations (Units)	Inmates (Persons)	Organizations (Units)	Inmates (Persons)
1983	107	16 002	37	10 422	35	3 391	35	2 189
1984	108	16 348	33	10 492	39	3 451	36	2 405
1985	110	16 461	36	10 403	39	3 420	35	2 638
1986	122	17 249	37	10 483	39	3 289	46	3 477
1987	129	17 916	35	10 537	40	3 410	54	3 969
1988	141	18 894	38	10 873	41	3 302	62	4 719
1989	147	18 632	40	10 747	41	3 145	66	4 740
1990	143	18 858	43	10 756	42	3 121	58	4 981
1991	150	19 163	45	10 707	40	2 777	65	5 679
1992	157	20 211	45	11 349	41	2 618	71	6 244
1993	177	18 863	53	9 245	39	2 656	85	6 962
1994	190	17 950	54	8 185	41	2 547	95	7 218
1995	196	18 120	61	7 813	39	2 441	96	7 866
1996	218	21 053	64	9 283	41	2 462	113	9 308
1997	243	22 026	70	7 846	43	2 481	130	11 699
1998	262	23 647	83	9 779	41	2 454	138	11 414
1999	420	24 984	237	12 100	39	2 281	144	10 603
2000	748	26 908	528	17 737	42	2 395	178	6 776
2001	893	34 545	658	20 599	42	2 323	193	11 623
2002	1 044	39 658	779	24 730	42	2 317	223	12 611
2003	1 111	44 082	827	27 416	43	2 126	241	14 540
2004	1 207	48 677	886	30 251	77	2 844	244	15 582
2005	1 242	51 226	912	32 378	86	2 943	244	15 905
2006	1 281	53 876	944	34 496	89	3 010	248	16 370
2007	1 351	56 811	1 002	36 651	95	3 158	254	17 002
2008	1 411	59 160	1 042	38 273	105	3 430	264	17 457
2009	1 450	61 554	1 066	40 183	114	3 453	270	17 918
2010	1 444	63 736	1 053	41 519	115	3 619	276	18 598
2011 r	1 442	65 456	1 051	42 824	120	3 609	271	19 023
2012	1 428	65 441	1 034	42 800	123	3 549	271	19 092

Notes : <sup>1</sup> Houses for the aged referred to caring and nursing organization for aged people while handicapped home referred to institutions for physically and mentally disabled people from 1995.

<sup>2</sup> Data do not include Youth Residential Institutions before 2004.

Data do not include Kinmen County and Lienchiang County before 1996.

**Table 91. General conditions of children care services**

End of Year	Nurseries		Community nurseries	
	Nurseries (Numbers)	Number of children (Persons)	Nurseries (Numbers)	Number of children (Persons)
1987	1 433	118 260	2 843	133 242
1988	1 423	120 702	2 824	127 242
1989	1 413	126 595	2 451	106 967
1990	1 360	124 366	2 385	114 294
1991	1 363	121 638	2 550	124 719
1992	1 328	115 920	2 433	117 778
1993	1 270	112 509	2 394	117 272
1994	1 287	117 226	2 363	116 554
1995	1 357	116 377	1 931	106 976
1996	1 775	204 560	447	30 407
1997	2 047	232 898	257	13 520
1998	2 281	239 105	168	9 417
1999	2 576	250 951	139	8 210
2000	3 250	302 169	95	7 547
2001	3 513	311 688	87	7 230
2002	3 801	319 517	96	7 608
2003	3 996	298 095	86	4 476
2004	4 184	295 385	73	4 872
2005	4 240	285 768	67	4 450
2006	4 150	264 133	63	3 722
2007	4 066	250 723	46	3 483
2008	3 972	235 899	36	2 321
2009	3 852	237 971	35	2 201
2010	3 813	235 397	12	1 545
2011	3 673	244 421	8	1 065
End of Year	Infant care centers		After-school care centers	
	Private (Numbers)	Number of children (Persons)	Private (Numbers)	Number of children (Persons)
2012	402	6 861	687	21 703

Notes : 1.Data do not include Kinmen County and Lienchiang County before 1996.

2.Part of the community nurseries were abolished or merged from 1995.

3.From 2012, Preschools combine kindergartens with nurseries, so the data of the nurseries have been transferred to education category.

**Table 92. Net expenditure on social welfare**

Fiscal Year	Net expenditure for social welfare by general government			Per capita net benefit from social welfare (NT\$)
	Total <sup>1</sup> (Thousand NT\$)	As % of total net expenditure	As % of GNP	
1983	32 518 200	6.6	1.6	1 756
1984	33 911 201	6.7	1.5	1 805
1985	34 279 484	6.3	1.4	1 798
1986	40 591 479	6.6	1.5	2 102
1987	37 085 134	5.8	1.2	1 901
1988	55 169 160	7.6	1.6	2 797
1989	65 488 382	5.4	1.7	3 282
1990	96 207 023	8.8	2.2	4 773
1991	117 771 908	9.2	2.5	5 744
1992	135 040 121	8.6	2.5	6 522
1993	145 758 829	8.3	2.4	6 974
1994	158 523 241	8.7	2.4	7 518
1995	231 765 959	12.1	3.3	10 898
1996	290 002 141	15.7	3.8	13 525
1997	294 982 386	15.7	3.6	13 635
1998	282 766 789	14.2	3.1	12 950
1999	280 452 253	13.7	2.9	12 742
2000	531 808 684	16.9	3.5	16 231
2001	396 980 708	17.5	3.9	17 769
2002	323 614 630	15.1	3.0	14 406
2003	346 911 365	15.7	3.1	15 375
2004	347 557 298	15.5	3.0	15 347
2005	357 762 268	15.6	3.0	15 740
2006	370 302 873	16.7	2.9	16 225
2007	372 202 180	16.3	2.8	16 241
2008	368 136 275	15.7	2.8	16 008
2009	388 561 948	14.5	3.0	16 837
2010	415 356 194	16.2	3.0	17 949
2011 r	446 921 628	17.1	3.2	19 269
2012	540 415 708	20.2	3.7	23 223

Notes : <sup>1</sup>Prior to 2003, the figures are final audit accounts; since 2003, the figures are final account



## NATIONAL ECONOMICS

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. Statistics for national income and industrial inter-relations, compiled based on the principles set by the United Nations, are incorporated in the *National Accounts Yearbook* and *the Report on 2006 Input-Output Tables*. Data on family income and expenditure, derived from the family income and expenditure survey, are contained in the *Report on the Survey of Family Income and Expenditure*.

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. The forecasts together with the preliminary statistics for the previous quarter are compiled into the *Quarterly National Economic Trends* published in every February, May, August, and November of a year (DGBAS did not publish “Quarterly National Economic Trends” from August 2012). 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. Our country adopted the UN national economic account system, as revised by the United Nations in 1993, and compiled national income statistics in November 2005. Data have been revised and released every 5 years, for years ending in “4” and “9”, according to system of national accounts, sourcing from Industrial and Commercial Census, etc. Industrial classification has been revised, according to the eighth edition of *Standard Industrial Classification of the Republic of China*, and related date have been traced back to 1981.

This country started preparation of statistics on personal income distribution in 1964, a sampling survey on household income and expenditure in the Taiwan area. 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). The universal sampling rate is about 0.20%, which is about 15,858 households.

The objects of the family income and expenditure sampling survey are R.O.C. nationals dwelling in Taiwan area and the families these R.O.C. nationals have organized to live together economically. Interview and bookkeeping are both adopted in the survey. The survey uses the stratified two-stage sampling method to draw out families for interview, some of which are again drawn to do bookkeeping. Data for dynamic changes are based on cumulation for the entire year while static data, at the end of the survey year. Its history can be divided into 16 stages as follows:

Stage 1 (1964-1970): During the period, the survey was conducted every other year, and the ratio of samples drawn -- samples as a share of total households--raise in the range from 0.13% to 0.16%.

Stage 2 (1972-1974): The frequency of the survey was changed to once every year, and the ratio of samples drawn was raised to 0.18%.

Stage 3 (1975-1977): The survey was undertaken annually, and the ratio of samples drawn was raised to 0.3%.

Stage 4 (1978-1983): The survey was undertaken annually, and the ratio of samples drawn was raised to 0.4%.

Stage 5 (1984-1994): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 16,434 households.

Stage 6 (Since 1995): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 14,706 households.

Stage 7 (Since 1996): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 13,702 households.

Stage 8 (Since 1997): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 13,701 households.

Stage 9 (Since 1998): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 14,031 households.

Stage 10 (1999-2000): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 13,801 households.

Stage 11 (Since 2001): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 13,601 households.

Stage 12 (2002-2005): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 13,681 households.

Stage 13 (Since 2006): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 13,776 households.

Stage 14 (Since 2010): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 14,853 households.

Stage 15 (Since 2011): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 15,857 households.

Stage 16 (Since 2012): The survey was undertaken annually, and the numbers of samples drawn has been fixed at 15,858 households.

In our country, the Input-Output tables had been compiled for the first time in 1960. The first table for 1954 was built by Professor Hsing Mu-huan. The second table for 1955 was compiled by the Joint Commission on Rural Reconstruction, which has been reorganized to the present Council of Agriculture. Subsequently, the Council for International Economic Cooperation and Development, which has been reorganized to the present Council for Economic Planning and Development, compiled the eight tables for 1961, 1964, 1966, 1969, 1971, 1974, 1976, and 1979. The Directorate-General of Budget, Accounting and Statistics took over the job in 1982, preparing the tables for 1981, 1984, 1986, 1989, 1991, 1994, 1996, 1999, 2001, 2004 and 2006. The Input-Output tables for 2006 is composed of tables for purchasers' trading price, producers' trading prices, input coefficients, impact coefficients, trading of domestic manufactured products, and trading of import products. Besides the benchmark Input-Output tables (commodity by commodity) compiled every 5 years, the annual Input-Output table (commodity by industry) had been compiled every year since 2010. Results will be released in every December of a year following the data year, and the revision for the previous one will be released together.



**Table 93. Key indicators of national income**

Year	GDP		National income		Per capita					
	Amount (Million US\$)	Economic growth rate (%)	Amount (Million US\$)	Annual rate of increase (%)	GDP		GNP		National income (US\$)	Private consumption (US\$)
					(NT\$)	(US\$)	(NT\$)	(US\$)		
1983	54 122	8.32	48 791	8.75	116 235	2 902	116 409	2 906	2 616	1 486
1984	60 938	9.32	55 790	14.34	127 543	3 219	129 127	3 259	2 947	1 621
1985	63 149	4.07	58 439	4.75	131 158	3 290	133 615	3 352	3 045	1 683
1986	77 781	11.00	73 080	25.05	151 663	4 007	155 628	4 112	3 765	1 891
1987	103 290	10.68	97 053	32.80	167 806	5 265	171 545	5 383	4 947	2 501
1988	121 935	5.57	118 014	21.60	175 837	6 146	180 745	6 318	5 948	3 178
1989	151 580	10.28	143 084	21.24	199 608	7 558	204 632	7 748	7 134	4 020
1990	164 747	6.87	154 678	8.10	218 456	8 124	224 241	8 339	7 628	4 381
1991	184 870	7.88	173 726	12.31	241 822	9 016	248 433	9 263	8 473	4 850
1992	219 974	7.56	203 796	17.31	267 315	10 625	273 147	10 856	9 843	5 814
1993	231 531	6.73	214 086	5.05	292 363	11 079	297 820	11 285	10 244	6 125
1994	252 665	7.59	233 388	9.02	317 049	11 982	322 148	12 175	11 068	6 826
1995	274 728	6.38	252 697	8.27	342 188	12 918	347 404	13 115	11 882	7 383
1996	287 912	5.54	264 373	4.62	368 729	13 428	373 836	13 614	12 330	7 779
1997	298 773	5.48	273 713	3.53	396 355	13 810	400 497	13 955	12 652	8 001
1998	275 080	3.47	249 347	- 8.90	421 519	12 598	424 659	12 692	11 419	7 325
1999	299 010	5.97	270 267	8.39	438 384	13 585	442 497	13 712	12 279	7 977
2000	326 205	5.80	295 038	9.17	459 212	14 704	465 502	14 906	13 299	8 643
2001	293 712	- 1.65	264 092	- 10.49	444 489	13 147	453 084	13 401	11 821	7 980
2002	301 088	5.26	271 298	2.73	463 498	13 404	474 294	13 716	12 077	8 030
2003	310 757	3.67	283 146	4.37	474 069	13 773	488 645	14 197	12 549	8 239
2004	339 973	6.19	308 044	8.79	501 849	15 012	518 280	15 503	13 602	8 993
2005	364 832	4.70	327 581	6.34	516 516	16 051	529 313	16 449	14 412	9 694
2006	376 375	5.44	336 050	2.59	536 442	16 491	550 099	16 911	14 724	9 763
2007	393 134	5.98	348 166	3.61	563 349	17 154	577 869	17 596	15 192	9 974
2008	400 132	0.73	349 424	0.36	548 757	17 399	562 439	17 833	15 194	10 492
2009	377 529	- 1.81	328 971	- 5.85	540 813	16 359	558 751	16 901	14 255	9 926
2010 r	428 186	10.76	381 606	16.00	585 633	18 503	604 199	19 090	16 491	10 820
2011 r	464 009	4.07	411 862	7.93	589 576	20 006	606 321	20 574	17 758	12 048
2012	474 269	1.32	412 651	0.19	603 593	20 386	623 004	21 042	17 738	12 288

Notes : National income = GNP - Consumption of fixed capital - Statistical discrepancy

Table 94. Expenditure on the

Item	1996	1997	1998	1999	2000	2001	2002
	<b>At Current</b>						
Government final consumption expenditure	1 172 303	1 279 905	1 364 414	1 331 713	1 362 909	1 391 434	1 412 451
Private final consumption expenditure	4 580 397	4 967 841	5 351 560	5 665 865	5 987 733	6 027 593	6 237 569
Changes in inventories	10 578	85 102	90 373	57 197	91 197	- 63 208	- 43 864
Gross fixed capital formation	1 884 088	2 065 382	2 302 142	2 351 957	2 524 443	2 033 527	2 057 650
Exports of goods and services	3 700 076	4 086 505	4 359 751	4 562 172	5 392 441	4 962 159	5 436 642
Less : Imports of goods and services	3 441 367	3 909 951	4 264 066	4 319 855	5 171 329	4 421 118	4 688 809
<b>Gross Domestic Product</b>	<b>7 906 075</b>	<b>8 574 784</b>	<b>9 204 174</b>	<b>9 649 049</b>	<b>10 187 394</b>	<b>9 930 387</b>	<b>10 411 639</b>
	<b>At 2006</b>						
Government final consumption expenditure	1 349 166	1 426 928	1 478 508	1 420 257	1 437 459	1 464 181	1 486 823
Private final consumption expenditure	4 913 456	5 255 821	5 587 276	5 870 777	6 149 541	6 210 017	6 412 727
Changes in inventories	19 702	106 306	114 666	74 486	107 491	- 80 627	- 59 812
Gross fixed capital formation	2 208 274	2 397 302	2 572 641	2 622 123	2 812 736	2 309 094	2 334 948
Exports of goods and services	3 645 218	3 957 487	4 031 728	4 526 272	5 355 033	4 894 600	5 450 907
Less : Imports of goods and services	4 182 306	4 754 827	5 105 004	5 315 817	6 131 052	5 226 681	5 551 256
<b>Gross Domestic Product</b>	<b>7 953 510</b>	<b>8 389 017</b>	<b>8 679 815</b>	<b>9 198 098</b>	<b>9 731 208</b>	<b>9 570 584</b>	<b>10 074 337</b>

Table 95. Gross

Item	1996	1997	1998	1999	2000	2001	2002
	<b>At Current</b>						
Compensation of employees	3 994 101	4 277 342	4 488 409	4 653 349	4 893 571	4 799 050	4 791 056
Operating surplus	2 487 404	2 782 756	3 089 222	3 307 088	3 519 057	3 332 529	3 694 321
Consumption of fixed capital	755 894	812 352	932 761	1 017 538	1 107 254	1 193 448	1 234 946
Indirect taxes	685 494	727 597	744 680	711 386	706 491	671 561	708 378
Less : subsidies	16 818	21 752	47 716	40 825	44 640	66 201	54 757
Plus : Statistical discrepancy	-	- 3 511	- 3 182	513	5 661	-	37 695
<b>Gross domestic product</b>	<b>7 906 075</b>	<b>8 574 784</b>	<b>9 204 174</b>	<b>9 649 049</b>	<b>10 187 394</b>	<b>9 930 387</b>	<b>10 411 639</b>
	<b>At 2006</b>						
Domestic factor income	6 485 974	6 833 392	7 095 427	7 532 198	7 961 407	7 696 095	8 070 659
Consumption of fixed capital	819 779	895 314	988 116	1 085 010	1 192 937	1 285 467	1 337 703
Net indirect taxes	647 757	675 124	664 059	652 434	641 924	589 022	637 455
Plus : Statistical discrepancy	-	- 14 813	- 67 787	- 71 544	- 65 060	-	28 520
<b>Gross domestic product</b>	<b>7 953 510</b>	<b>8 389 017</b>	<b>8 679 815</b>	<b>9 198 098</b>	<b>9 731 208</b>	<b>9 570 584</b>	<b>10 074 337</b>

**gross domestic product**

Million NT\$

2003	2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
<b>Prices</b>									
1 416 425	1 444 872	1 463 234	1 469 296	1 521 102	1 563 634	1 619 998	1 642 101	1 698 360	1 739 526
6 398 604	6 808 382	7 090 739	7 248 344	7 506 467	7 609 995	7 573 582	7 924 534	8 234 626	8 465 098
12 304	100 180	32 404	46 283	14 456	160 383	- 145 180	147 028	- 7 032	28 442
2 117 282	2 592 909	2 635 451	2 730 670	2 841 353	2 665 928	2 353 579	2 888 204	2 843 488	2 746 222
5 935 611	6 980 987	7 341 705	8 325 717	9 304 061	9 208 653	7 799 167	10 001 116	10 400 169	10 335 801
5 183 969	6 562 038	6 823 254	7 576 839	8 276 928	8 588 443	6 720 053	9 050 884	9 495 265	9 272 964
<b>10 696 257</b>	<b>11 365 292</b>	<b>11 740 279</b>	<b>12 243 471</b>	<b>12 910 511</b>	<b>12 620 150</b>	<b>12 481 093</b>	<b>13 552 099</b>	<b>13 674 346</b>	<b>14 042 125</b>
<b>Constant Prices</b>									
1 468 602	1 477 006	1 479 824	1 469 296	1 499 966	1 512 363	1 573 011	1 579 960	1 615 506	1 622 936
6 599 393	6 940 690	7 141 820	7 248 344	7 399 430	7 330 490	7 386 055	7 678 255	7 918 608	8 035 078
12 679	104 189	34 223	46 283	12 867	134 441	- 133 949	152 057	25 612	17 417
2 332 482	2 658 055	2 728 700	2 730 670	2 745 800	2 406 517	2 135 815	2 586 880	2 506 774	2 401 725
6 008 285	6 933 851	7 473 089	8 325 717	9 120 880	9 200 037	8 401 714	10 554 664	11 023 877	11 036 108
5 977 448	7 023 317	7 245 563	7 576 839	7 802 958	7 513 167	6 528 597	8 336 747	8 297 449	8 124 670
<b>10 443 993</b>	<b>11 090 474</b>	<b>11 612 093</b>	<b>12 243 471</b>	<b>12 975 985</b>	<b>13 070 681</b>	<b>12 834 049</b>	<b>14 215 069</b>	<b>14 792 928</b>	<b>14 988 594</b>

**domestic product**

Million NT\$

2003	2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
<b>Prices</b>									
4 957 883	5 199 412	5 436 252	5 698 931	5 850 552	5 936 309	5 676 671	6 082 495	6 327 880	} 10 984 258
3 822 051	4 029 449	4 095 325	4 204 829	4 531 469	4 094 484	4 170 502	4 834 818	4 639 038	
1 306 307	1 441 236	1 510 609	1 623 473	1 742 202	1 909 114	1 950 720	2 004 347	2 090 867	2 144 672
701 165	756 255	783 668	778 870	790 795	767 418	727 981	832 758	880 082	} 782 767
64 099	59 290	64 545	62 632	71 803	92 032	113 355	101 868	97 810	
- 27 050	- 1 770	- 21 030	-	67 296	4 857	68 574	- 100 451	- 165 711	130 428
<b>10 696 257</b>	<b>11 365 292</b>	<b>11 740 279</b>	<b>12 243 471</b>	<b>12 910 511</b>	<b>12 620 150</b>	<b>12 481 093</b>	<b>13 552 099</b>	<b>13 674 346</b>	<b>14 042 125</b>
<b>Constant Prices</b>									
8 418 566	8 920 477	9 336 304	9 903 760	10 544 671	10 647 388	10 466 862	11 730 341	12 216 789	12 311 049
1 391 470	1 463 309	1 550 585	1 623 473	1 692 330	1 750 447	1 763 124	1 796 757	1 846 396	1 874 133
629 758	708 350	721 294	716 238	711 281	651 060	593 139	702 224	732 365	727 606
4 199	- 1 662	3 910	-	27 703	21 786	10 924	- 14 253	- 2 622	75 806
<b>10 443 993</b>	<b>11 090 474</b>	<b>11 612 093</b>	<b>12 243 471</b>	<b>12 975 985</b>	<b>13 070 681</b>	<b>12 834 049</b>	<b>14 215 069</b>	<b>14 792 928</b>	<b>14 988 594</b>

Table 96. Gross domestic

Item	1998	1999	2000	2001	2002	2003
						<b>at current</b>
Agriculture, forestry, fishing and animal husbandry	219 118	236 720	205 434	188 593	188 436	183 581
Mining and quarrying	71 041	65 139	51 487	48 110	52 099	43 610
Manufacturing	2 250 021	2 308 308	2 508 213	2 306 353	2 595 812	2 801 855
Electricity and gas supply	179 425	181 951	181 715	183 154	189 020	188 087
Water supply and remediation services	46 702	47 700	47 789	48 877	53 536	59 115
Construction	367 425	344 507	317 766	267 667	261 516	253 520
Wholesale and retail trade	1 453 951	1 585 784	1 745 878	1 699 937	1 744 101	1 785 113
Transportation and storage	400 114	423 478	413 114	412 398	421 717	408 507
Accommodation and food services	175 487	188 644	205 669	206 706	207 752	204 743
Information and communication	287 969	320 276	374 417	393 845	394 088	403 079
Finance and insurance	770 819	836 693	846 016	816 794	832 267	807 274
Real estate	809 867	831 813	875 432	884 928	855 445	892 972
Professional, scientific and technical services	159 263	169 219	177 162	179 288	187 658	198 997
Support services	69 199	79 919	87 909	99 367	108 384	110 997
Public administration and defence	733 567	768 845	804 451	810 088	808 341	847 589
Education	362 493	391 385	415 867	457 411	488 249	530 562
Human health and social work services	219 145	239 725	259 327	277 393	293 560	298 677
Arts, entertainment and recreation	75 593	79 133	82 415	87 612	90 203	92 523
Other services	232 187	236 307	257 069	275 519	292 628	295 116
<b>Subtotal</b>	<b>8 883 386</b>	<b>9 335 546</b>	<b>9 857 130</b>	<b>9 644 040</b>	<b>10 064 812</b>	<b>10 405 917</b>
Plus : Import duties	153 416	139 348	146 443	119 100	126 370	128 710
Plus : Value-added tax	170 554	173 642	178 160	167 247	182 762	188 680
<b>Total( production approach)</b>	<b>9 207 356</b>	<b>9 648 536</b>	<b>10 181 733</b>	<b>9 930 387</b>	<b>10 373 944</b>	<b>10 723 307</b>
Plus : Statistical discrepancy	- 3 182	513	5 661	-	37 695	- 27 050
<b>Gross domestic product</b>	<b>9 204 174</b>	<b>9 649 049</b>	<b>10 187 394</b>	<b>9 930 387</b>	<b>10 411 639</b>	<b>10 696 257</b>

Table 97. National disposable

Item	1998	1999	2000	2001	2002	2003
Government final consumption expenditure	1 364 414	1 331 713	1 362 909	1 391 434	1 412 451	1 416 425
Private final consumption expenditure	5 351 560	5 665 865	5 987 733	6 027 593	6 237 569	6 398 604
Saving	1 576 084	1 649 168	1 782 059	1 417 492	1 645 309	1 837 258
<b>Appropriation of disposable income</b>	<b>8 292 058</b>	<b>8 646 746</b>	<b>9 132 701</b>	<b>8 836 519</b>	<b>9 295 329</b>	<b>9 652 287</b>
Compensation of employees	4 488 409	4 653 349	4 893 571	4 799 050	4 791 056	4 957 883
Operating surplus	3 089 222	3 307 088	3 519 057	3 332 529	3 694 321	3 822 051
Compensation of employees from ROW, net	- 12 546	- 12 747	- 14 681	- 12 680	- 10 857	- 12 390
Property and entrepreneurial income from ROW, net	81 097	103 265	154 239	204 704	253 359	341 263
Indirect taxes	744 680	711 386	706 491	671 561	708 378	701 165
Less : subsidies	47 716	40 825	44 640	66 201	54 757	64 099
Other current transfers from ROW, net	- 51 088	- 74 770	- 81 336	- 92 444	- 86 171	- 93 586
<b>Disposable income</b>	<b>8 292 058</b>	<b>8 646 746</b>	<b>9 132 701</b>	<b>8 836 519</b>	<b>9 295 329</b>	<b>9 652 287</b>

Notes : ROW stands for 'the rest of the world'.

## product by kind of activity

Million NT\$

2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
<b>prices</b>								
190 733	195 833	197 589	191 621	201 799	215 250	224 501	250 604	264 739
47 946	44 718	39 444	58 627	20 734	51 695	65 357	31 125	45 313
3 047 086	3 120 118	3 239 070	3 405 858	3 132 252	2 950 748	3 536 574	3 474 749	3 372 775
161 630	155 864	147 526	124 719	65 301	171 598	157 680	128 740	125 447
64 443	70 773	77 454	83 858	83 286	81 804	88 128	89 266	87 283
288 093	284 824	332 438	357 606	363 274	333 724	383 943	394 823	396 276
1 941 499	2 073 677	2 188 716	2 340 289	2 390 445	2 320 828	2 502 271	2 609 894	2 605 638
426 864	413 665	394 318	411 981	395 054	371 969	442 869	414 050	421 769
215 478	229 558	234 114	244 824	251 023	254 606	272 805	298 931	314 264
408 597	410 648	415 443	442 440	455 728	463 163	485 013	490 224	498 729
859 478	900 684	891 545	931 976	915 973	796 388	861 567	901 098	905 506
926 654	960 160	1 045 155	1 095 719	1 108 059	1 139 790	1 172 227	1 186 933	1 206 283
210 604	223 568	253 492	273 134	278 056	284 327	304 584	314 416	312 574
124 391	139 089	159 842	173 759	187 085	182 538	197 099	207 891	219 679
872 697	892 873	909 713	913 320	945 152	950 616	989 879	1 004 772	1 036 929
532 317	547 315	572 723	599 751	603 213	618 548	626 532	638 960	654 968
308 905	325 532	347 436	364 258	377 440	396 963	409 934	425 449	449 059
93 482	95 436	101 238	106 755	111 253	117 264	123 505	129 933	135 380
306 932	325 699	345 561	361 953	376 280	387 101	406 293	421 294	440 862
<b>11 027 829</b>	<b>11 410 034</b>	<b>11 892 817</b>	<b>12 482 448</b>	<b>12 261 407</b>	<b>12 088 920</b>	<b>13 250 761</b>	<b>13 413 152</b>	<b>13 493 473</b>
126 147	135 383	135 686	138 047	132 565	117 194	152 109	162 751	157 515
213 086	215 892	214 968	222 720	221 321	206 405	249 680	264 154	260 709
11 367 062	11 761 309	12 243 471	12 843 215	12 615 293	12 412 519	13 652 550	13 840 057	13 911 697
- 1 770	- 21 030	-	67 296	4 857	68 574	- 100 451	- 165 711	130 428
<b>11 365 292</b>	<b>11 740 279</b>	<b>12 243 471</b>	<b>12 910 511</b>	<b>12 620 150</b>	<b>12 481 093</b>	<b>13 552 099</b>	<b>13 674 346</b>	<b>14 042 125</b>

## income and its appropriation

Million NT\$

2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
1 444 872	1 463 234	1 469 296	1 521 102	1 563 634	1 619 998	1 642 101	1 698 360	1 739 526
6 808 382	7 090 739	7 248 344	7 506 467	7 609 995	7 573 582	7 924 534	8 234 626	8 465 098
1 916 816	1 850 382	2 086 039	2 281 177	1 758 963	1 611 308	2 425 445	2 095 806	1 936 945
<b>10 170 070</b>	<b>10 404 355</b>	<b>10 803 679</b>	<b>11 308 746</b>	<b>10 932 592</b>	<b>10 804 888</b>	<b>11 992 080</b>	<b>12 028 792</b>	<b>12 141 569</b>
5 199 412	5 436 252	5 698 931	5 850 552	5 936 309	5 676 671	6 082 495	6 327 880	} 10 984 258
4 029 449	4 095 325	4 204 829	4 531 469	4 094 484	4 170 502	4 834 818	4 639 038	
- 9 660	- 7 433	- 3 611	- 427	- 600	1 752	1 424	1 533	2 026
381 759	298 299	315 310	333 193	315 246	412 242	428 215	386 839	449 489
756 255	783 668	778 870	790 795	767 418	727 981	832 758	880 082	} 782 767
59 290	64 545	62 632	71 803	92 032	113 355	101 868	97 810	
- 127 855	- 137 211	- 128 018	- 125 033	- 88 233	- 70 905	- 85 762	- 108 770	- 76 971
<b>10 170 070</b>	<b>10 404 355</b>	<b>10 803 679</b>	<b>11 308 746</b>	<b>10 932 592</b>	<b>10 804 888</b>	<b>11 992 080</b>	<b>12 028 792</b>	<b>12 141 569</b>

Table 98. Capital

Item	1996	1997	1998	1999	2000	2001
Changes in inventories	10 578	85 102	90 373	57 197	91 197	- 63 208
Gross fixed capital formation	1 884 088	2 065 382	2 302 142	2 351 957	2 524 443	2 033 527
Acquisition less disposal of nonproduced, nonfinancial assets from ROW, net <sup>1</sup>	-	-	-	-	-	1 386
Net lending to the rest of the world	281 993	193 748	107 092	252 482	270 370	635 110
<b>Gross accumulation</b>	<b>2 176 659</b>	<b>2 344 232</b>	<b>2 499 607</b>	<b>2 661 636</b>	<b>2 886 010</b>	<b>2 606 815</b>
Saving, net	1 438 695	1 544 404	1 576 084	1 649 168	1 782 059	1 417 492
Consumption of fixed capital	755 894	812 352	932 761	1 017 538	1 107 254	1 193 448
Capital transfers from ROW, net	- 17 930	- 9 013	- 6 056	- 5 583	- 8 964	- 4 125
Plus : Statistical discrepancy	-	- 3 511	- 3 182	513	5 661	-
<b>Finance of gross accumulation</b>	<b>2 176 659</b>	<b>2 344 232</b>	<b>2 499 607</b>	<b>2 661 636</b>	<b>2 886 010</b>	<b>2 606 815</b>

Notes : <sup>1</sup> Nonproduced, nonfinancial assets consist of natural resources, contracts, leases, and licenses, goodwill, brand names, etc.

Table 99. External

Item	1997	1998	1999	2000	2001	2002
Exports of goods and services	4 086 505	4 359 751	4 562 172	5 392 441	4 962 159	5 436 642
Compensation of employees from ROW	7 549	7 829	9 197	8 558	8 115	7 677
Property and entrepreneurial income from ROW	191 047	208 999	215 564	277 742	307 259	349 662
Other current transfers from ROW	83 182	98 461	100 876	100 015	88 151	90 631
<b>Current receipts</b>	<b>4 368 283</b>	<b>4 675 040</b>	<b>4 887 809</b>	<b>5 778 756</b>	<b>5 365 684</b>	<b>5 884 612</b>
Imports of goods and services	3 909 951	4 264 066	4 319 855	5 171 329	4 421 118	4 688 809
Compensation of employees to ROW	13 117	20 375	21 944	23 239	20 795	18 534
Property and entrepreneurial income to ROW	95 868	127 902	112 299	123 503	102 555	96 303
Other current transfers to ROW	146 586	149 549	175 646	181 351	180 595	176 802
<b>Disposal of current receipts</b>	<b>4 165 522</b>	<b>4 561 892</b>	<b>4 629 744</b>	<b>5 499 422</b>	<b>4 725 063</b>	<b>4 980 448</b>
<b>Surplus of the nation on current transactions</b>	<b>202 761</b>	<b>113 148</b>	<b>258 065</b>	<b>279 334</b>	<b>640 621</b>	<b>904 164</b>

## finance

Million NT\$

2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011
- 43 864	12 304	100 180	32 404	46 283	14 456	160 383	- 145 180	147 028	- 7 032
2 057 650	2 117 282	2 592 909	2 635 451	2 730 670	2 841 353	2 665 928	2 353 579	2 888 204	2 843 488
1 487	620	67	1 480	2 050	821	8 514	1 653	1 551	1 061
899 357	983 934	660 619	668 341	928 720	1 231 713	836 091	1 419 029	1 290 438	1 180 999
<b>2 914 630</b>	<b>3 114 140</b>	<b>3 353 775</b>	<b>3 337 676</b>	<b>3 707 723</b>	<b>4 088 343</b>	<b>3 670 916</b>	<b>3 629 081</b>	<b>4 327 221</b>	<b>4 018 516</b>
1 645 309	1 837 258	1 916 816	1 850 382	2 086 039	2 281 177	1 758 963	1 611 308	2 425 445	2 095 806
1 234 946	1 306 307	1 441 236	1 510 609	1 623 473	1 742 202	1 909 114	1 950 720	2 004 347	2 090 867
- 3 320	- 2 375	- 2 507	- 2 285	- 1 789	- 2 332	- 2 018	- 1 521	- 2 120	- 2 446
37 695	- 27 050	- 1 770	- 21 030	-	67 296	4 857	68 574	- 100 451	- 165 711
<b>2 914 630</b>	<b>3 114 140</b>	<b>3 353 775</b>	<b>3 337 676</b>	<b>3 707 723</b>	<b>4 088 343</b>	<b>3 670 916</b>	<b>3 629 081</b>	<b>4 327 221</b>	<b>4 018 516</b>

## transactions

Million NT\$

2003	2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
5 935 611	6 980 987	7 341 705	8 325 717	9 304 061	9 208 653	7 799 167	10 001 116	10 400 169	10 335 801
7 435	7 755	8 560	9 597	11 495	11 478	12 429	12 849	14 941	16 736
439 702	509 847	551 162	619 526	760 316	722 539	660 294	723 418	716 863	748 695
92 002	105 960	111 436	124 829	149 731	174 256	162 041	166 179	163 465	161 246
<b>6 474 750</b>	<b>7 604 549</b>	<b>8 012 863</b>	<b>9 079 669</b>	<b>10 225 603</b>	<b>10 116 926</b>	<b>8 633 931</b>	<b>10 903 562</b>	<b>11 295 438</b>	<b>11 262 478</b>
5 183 969	6 562 038	6 823 254	7 576 839	8 276 928	8 588 443	6 720 053	9 050 884	9 495 265	9 272 964
19 825	17 415	15 993	13 208	11 922	12 078	10 677	11 425	13 408	14 710
98 439	128 088	252 863	304 216	427 123	407 293	248 052	295 203	330 024	299 206
185 588	233 815	248 647	252 847	274 764	262 489	232 946	251 941	272 235	238 217
<b>5 487 821</b>	<b>6 941 356</b>	<b>7 340 757</b>	<b>8 147 110</b>	<b>8 990 737</b>	<b>9 270 303</b>	<b>7 211 728</b>	<b>9 609 453</b>	<b>10 110 932</b>	<b>9 825 097</b>
<b>986 929</b>	<b>663 193</b>	<b>672 106</b>	<b>932 559</b>	<b>1 234 866</b>	<b>846 623</b>	<b>1 422 203</b>	<b>1 294 109</b>	<b>1 184 506</b>	<b>1 437 381</b>

Table 100. Government final

Item	2002	2003	2004	2005
<b>By function</b>				
1. General public services	208 695	185 531	187 548	191 459
2. Defence	248 708	237 391	267 832	253 719
3. Public order and safety	134 956	135 941	139 316	146 674
4. Economic affairs	189 023	200 957	197 870	205 259
5. Environmental protection	38 040	40 533	41 218	36 488
6. Housing and community amenities	12 450	8 324	19 895	21 993
7. Health	25 489	26 762	27 607	29 224
8. Recreation, culture, and religion	23 556	23 520	22 710	23 311
9. Education	318 934	323 799	330 175	340 996
10. Social protection	212 600	233 667	210 701	214 111
<b>Government final consumption expenditure</b>	<b>1 412 451</b>	<b>1 416 425</b>	<b>1 444 872</b>	<b>1 463 234</b>

Notes : This table is compiled according to the Classification of the Functions of Government( COFOG ) released by UN in 1999.

Table 101. Private final consumption expenditure

Item	1996	1997	1998	1999	2000	2001
<b>Private final consumption expenditure</b>	<b>4 580 397</b>	<b>4 967 841</b>	<b>5 351 560</b>	<b>5 665 865</b>	<b>5 987 733</b>	<b>6 027 593</b>
<b>By purpose</b>						
<b>A. Final consumption expenditure of households</b>	<b>4 518 202</b>	<b>4 910 082</b>	<b>5 247 202</b>	<b>5 601 026</b>	<b>5 908 748</b>	<b>5 945 455</b>
1. Food and non-alcoholic beverages	568 169	585 836	640 681	674 212	699 434	704 838
2. Alcoholic beverages and tobacco	106 845	122 033	126 032	127 270	127 078	125 081
3. Clothing and footwear	249 685	270 728	276 118	287 227	296 210	296 846
4. Housing, water, electricity, gas and other fuels	960 431	1 007 868	1 062 935	1 106 676	1 140 211	1 160 623
5. Furnishings, household equipment and routine household maintenance	206 471	223 098	242 623	251 301	263 790	261 261
6. Health	337 254	373 197	409 417	445 716	468 162	490 076
7. Transport	582 674	619 389	642 596	622 392	662 742	641 656
8. Communication	123 700	132 241	159 915	209 736	235 650	239 571
9. Recreation and culture	321 246	360 314	391 354	436 590	483 260	486 474
10. Education	225 661	242 352	257 584	274 687	293 520	311 297
11. Restaurants and hotels	267 997	303 655	332 297	354 323	383 954	385 449
12. Miscellaneous goods and services	568 069	669 371	705 650	810 896	854 737	842 283
<b>B. Final consumption expenditure of NPISHs</b>	<b>62 195</b>	<b>57 759</b>	<b>104 358</b>	<b>64 839</b>	<b>78 985</b>	<b>82 138</b>
<b>By type</b>						
A. Durable goods	459 246	504 962	561 693	616 225	645 227	655 731
B. Semi-durable goods	566 302	606 870	604 104	634 424	664 346	661 275
C. Non-durable goods	1 093 663	1 160 126	1 256 412	1 312 827	1 386 032	1 397 785
D. Services	2 461 186	2 695 883	2 929 351	3 102 389	3 292 128	3 312 802
<b>Private actual final consumption</b>	<b>5 019 863</b>	<b>5 428 163</b>	<b>5 821 697</b>	<b>6 161 855</b>	<b>6 508 427</b>	<b>6 545 786</b>
A. Private final consumption expenditure	4 580 397	4 967 841	5 351 560	5 665 865	5 987 733	6 027 593
B. Individual consumption expenditure of government	439 466	460 322	470 137	495 990	520 694	518 193



**consumption expenditure**

Million NT\$

2006	2007	2008	2009	2010 <sup>r</sup>	2011
176 125	176 621	182 826	174 016	172 426	180 115
238 693	249 369	263 630	278 241	274 313	287 132
152 601	154 127	158 871	162 351	167 036	175 815
216 183	235 585	253 282	265 384	277 194	285 259
43 201	44 483	44 881	47 326	48 315	52 359
18 404	23 025	16 675	24 517	23 180	19 527
29 784	28 861	29 371	33 327	37 422	33 219
26 402	23 962	28 007	31 247	29 940	31 683
352 628	367 090	376 899	396 894	416 449	441 169
215 275	217 979	209 192	206 695	195 826	192 082
<b>1 469 296</b>	<b>1 521 102</b>	<b>1 563 634</b>	<b>1 619 998</b>	<b>1 642 101</b>	<b>1 698 360</b>

**and private actual final consumption**

Million NT\$

2002	2003	2004	2005	2006	2007	2008	2009 <sup>r</sup>	2010 <sup>r</sup>	2011
<b>6 237 569</b>	<b>6 398 604</b>	<b>6 808 382</b>	<b>7 090 739</b>	<b>7 248 344</b>	<b>7 506 467</b>	<b>7 609 995</b>	<b>7 573 582</b>	<b>7 924 534</b>	<b>8 234 626</b>
<b>6 147 077</b>	<b>6 317 280</b>	<b>6 720 308</b>	<b>6 995 353</b>	<b>7 150 211</b>	<b>7 412 196</b>	<b>7 502 473</b>	<b>7 459 789</b>	<b>7 803 287</b>	<b>8 118 254</b>
723 129	753 775	798 436	862 890	885 394	914 990	969 865	978 391	1 008 613	1 051 976
137 907	157 605	159 243	158 387	170 549	168 756	167 776	168 015	173 740	175 782
306 597	297 555	327 151	326 751	319 693	334 655	340 637	347 333	363 669	377 929
1 161 230	1 171 590	1 189 115	1 220 528	1 255 282	1 295 604	1 334 568	1 348 761	1 380 033	1 409 505
276 518	288 625	311 984	329 554	345 285	361 286	366 908	355 441	372 986	391 592
525 273	552 375	594 186	626 961	645 441	679 179	708 184	740 924	767 810	791 727
655 799	677 780	756 739	828 346	796 453	814 095	800 892	792 245	879 649	972 801
259 604	272 101	286 865	299 903	301 605	301 655	300 047	296 355	298 668	316 321
511 835	508 915	577 680	604 447	641 860	681 345	693 838	676 503	722 385	764 901
324 417	328 827	334 943	339 225	342 740	346 349	348 598	349 009	349 624	353 479
385 582	387 281	399 668	426 487	447 571	466 199	474 051	482 883	519 745	562 692
879 186	920 851	984 298	971 874	998 338	1 048 083	997 109	923 929	966 365	949 549
<b>90 492</b>	<b>81 324</b>	<b>88 074</b>	<b>95 386</b>	<b>98 133</b>	<b>94 271</b>	<b>107 522</b>	<b>113 793</b>	<b>121 247</b>	<b>116 372</b>
700 243	722 415	797 103	856 956	801 505	815 299	784 368	782 823	839 174	924 333
686 535	683 683	740 208	756 073	765 457	793 133	806 422	800 634	838 829	874 988
1 436 474	1 520 986	1 620 053	1 723 985	1 806 753	1 868 466	1 944 851	1 933 899	2 027 789	2 126 517
3 414 317	3 471 520	3 651 018	3 753 725	3 874 629	4 029 569	4 074 354	4 056 226	4 218 742	4 308 788
<b>6 766 379</b>	<b>6 954 255</b>	<b>7 355 411</b>	<b>7 650 058</b>	<b>7 810 754</b>	<b>8 081 730</b>	<b>8 187 998</b>	<b>8 158 193</b>	<b>8 509 596</b>	<b>8 831 707</b>
6 237 569	6 398 604	6 808 382	7 090 739	7 248 344	7 506 467	7 609 995	7 573 582	7 924 534	8 234 626
528 810	555 651	547 029	559 319	562 410	575 263	578 003	584 611	585 062	597 081

Table 102. Gross capital

Item	1997	1998	1999	2000	2001
					<b>At Current</b>
<b>A. By type of capital goods</b>					
a. Gross fixed capital formation	2 065 382	2 302 142	2 351 957	2 524 443	2 033 527
1. Residential building	213 343	226 156	200 013	188 428	160 295
2. Non-residential building	354 167	376 954	359 975	357 609	331 146
3. Other construction except land improvement	421 266	441 060	447 601	428 051	362 295
4. Land improvement and plantation and orchard development	20 199	20 574	23 853	24 992	30 487
5. Transport equipment	157 852	187 839	139 522	152 216	156 725
6. Machinery and equipment	834 379	960 826	1 062 696	1 233 259	854 403
7. Breeding stock, draught animals, dairy cattle and the like	1 011	365	3 929	2 251	562
8. Intangible fixed assets	63 165	88 368	114 368	137 637	137 614
b. Changes in inventories	85 102	90 373	57 197	91 197	- 63 208
<b>Gross capital formation</b>	<b>2 150 484</b>	<b>2 392 515</b>	<b>2 409 154</b>	<b>2 615 640</b>	<b>1 970 319</b>
<b>B. By kind of activity</b>					
a. Gross fixed capital formation	2 065 382	2 302 142	2 351 957	2 524 443	2 033 527
1. Agriculture, forestry, fishing and animal husbandry	26 639	22 668	26 510	16 054	17 867
2. Mining and quarrying	3 907	4 371	4 226	3 907	2 965
3. Manufacturing	654 573	713 177	773 342	1 012 017	684 688
4. Electricity and gas supply	116 351	137 974	155 471	139 959	129 650
5. Water supply and remediation services	11 093	12 465	14 711	12 397	12 176
6. Construction	20 739	24 307	23 534	24 573	20 328
7. Wholesale and retail trade	119 004	132 942	125 640	129 545	112 601
8. Transportation and storage	113 690	132 335	103 186	108 397	115 599
9. Accommodation and food services	18 252	19 357	20 386	21 552	18 541
10. Information and communication	65 561	123 704	130 552	137 878	121 261
11. Finance and insurance	69 790	101 827	115 655	94 123	88 001
12. Real estate	230 903	242 712	215 496	201 694	171 625
13. Professional, scientific and technical services	12 890	14 274	11 227	8 485	9 228
14. Support services	20 589	24 616	21 256	23 876	16 666
15. Public administration and defence	445 797	455 748	467 849	449 418	411 041
16. Education	68 075	69 934	69 534	65 416	44 956
17. Human health and social work services	32 076	36 157	38 632	35 646	26 674
18. Arts, entertainment and recreation	23 533	21 665	21 199	23 280	9 168
19. Other services	11 920	11 909	13 551	16 226	20 492
b. Changes in inventories	85 102	90 373	57 197	91 197	- 63 208
<b>Gross capital formation</b>	<b>2 150 484</b>	<b>2 392 515</b>	<b>2 409 154</b>	<b>2 615 640</b>	<b>1 970 319</b>
<b>C. By type of owner</b>					
a. Gross fixed capital formation	2 065 382	2 302 142	2 351 957	2 524 443	2 033 527
1. Private enterprises	1 366 777	1 579 006	1 587 639	1 799 432	1 354 465
2. Public enterprises	205 951	223 538	248 402	236 472	237 910
3. General government	492 654	499 598	515 916	488 539	441 152
b. Changes in inventories	85 102	90 373	57 197	91 197	- 63 208
1. Private enterprises	78 542	113 080	38 371	85 683	- 50 775
2. Public enterprises	6 560	- 22 707	18 826	5 514	- 12 433
<b>Gross capital formation</b>	<b>2 150 484</b>	<b>2 392 515</b>	<b>2 409 154</b>	<b>2 615 640</b>	<b>1 970 319</b>

## formation

Million NT\$

2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>r</sup>	2011
<b>Prices</b>									
2 057 650	2 117 282	2 592 909	2 635 451	2 730 670	2 841 353	2 665 928	2 353 579	2 888 204	2 843 488
181 625	175 308	215 153	212 351	235 691	256 786	253 919	187 723	267 156	313 486
367 247	373 076	454 268	468 017	537 388	565 218	541 110	431 358	520 015	553 077
356 666	346 010	377 308	401 290	391 760	396 925	446 831	454 900	439 261	409 203
21 483	27 661	25 622	25 530	29 683	29 675	39 143	33 300	42 237	27 627
129 232	123 514	152 282	201 728	147 079	150 785	106 072	114 483	156 696	163 797
853 519	918 478	1 197 071	1 156 912	1 223 670	1 275 461	1 093 491	943 723	1 257 245	1 169 802
941	2 073	1 816	1 771	1 484	492	1 009	406	374	514
146 937	151 162	169 389	167 852	163 915	166 011	184 353	187 686	205 220	205 982
- 43 864	12 304	100 180	32 404	46 283	14 456	160 383	- 145 180	147 028	- 7 032
<b>2 013 786</b>	<b>2 129 586</b>	<b>2 693 089</b>	<b>2 667 855</b>	<b>2 776 953</b>	<b>2 855 809</b>	<b>2 826 311</b>	<b>2 208 399</b>	<b>3 035 232</b>	<b>2 836 456</b>
2 057 650	2 117 282	2 592 909	2 635 451	2 730 670	2 841 353	2 665 928	2 353 579	2 888 204	2 843 488
16 089	16 661	13 088	16 990	13 640	8 516	10 597	12 369	17 336	10 324
2 512	2 616	1 907	2 330	2 348	2 700	2 502	2 490	2 483	2 298
699 627	756 276	1 093 562	1 090 852	1 210 774	1 304 486	1 089 666	805 799	1 214 910	1 138 176
122 635	128 361	122 745	141 010	144 194	148 780	160 871	149 689	154 707	128 292
14 158	13 309	10 847	12 598	14 080	15 141	17 202	23 349	24 885	21 089
21 228	19 854	21 924	23 326	24 465	26 634	26 860	25 881	28 208	29 612
121 881	134 725	168 005	180 692	193 688	201 678	222 657	228 776	247 520	252 596
134 991	151 853	193 383	201 425	140 301	131 324	64 501	61 423	82 949	88 406
18 619	19 725	21 609	23 218	26 203	28 258	32 415	28 271	34 224	35 148
113 447	90 694	91 386	70 533	71 896	71 026	83 497	72 899	76 159	78 858
89 577	85 573	97 266	96 216	97 696	80 031	84 394	88 499	73 121	81 939
198 689	191 936	233 617	230 969	254 823	279 219	276 775	210 508	294 354	343 584
11 191	17 097	20 598	18 997	19 613	20 682	24 991	28 587	30 350	29 583
16 460	15 453	17 056	22 923	25 494	28 432	24 951	25 847	36 589	44 703
362 262	350 706	356 351	372 367	347 200	353 421	399 070	442 153	437 193	406 094
46 976	51 000	54 036	54 739	60 430	60 745	61 602	63 293	56 068	73 797
33 373	38 524	43 788	48 351	57 257	52 039	52 984	54 333	47 691	48 820
17 339	16 780	15 110	13 336	11 390	12 198	13 694	14 215	12 948	13 192
16 596	16 139	16 631	14 579	15 178	16 043	16 699	15 198	16 509	16 977
- 43 864	12 304	100 180	32 404	46 283	14 456	160 383	- 145 180	147 028	- 7 032
<b>2 013 786</b>	<b>2 129 586</b>	<b>2 693 089</b>	<b>2 667 855</b>	<b>2 776 953</b>	<b>2 855 809</b>	<b>2 826 311</b>	<b>2 208 399</b>	<b>3 035 232</b>	<b>2 836 456</b>
2 057 650	2 117 282	2 592 909	2 635 451	2 730 670	2 841 353	2 665 928	2 353 579	2 888 204	2 843 488
1 437 636	1 504 363	2 012 959	2 021 011	2 151 566	2 242 734	2 010 137	1 639 345	2 159 564	2 164 245
230 141	223 030	185 233	208 435	194 176	202 505	209 790	222 454	241 316	210 513
389 873	389 889	394 717	406 005	384 928	396 114	446 001	491 780	487 324	468 730
- 43 864	12 304	100 180	32 404	46 283	14 456	160 383	- 145 180	147 028	- 7 032
- 50 498	21 450	94 503	23 153	16 115	- 3 077	162 170	- 154 187	150 433	- 1 795
6 634	- 9 146	5 677	9 251	30 168	17 533	- 1 787	9 007	- 3 405	- 5 237
<b>2 013 786</b>	<b>2 129 586</b>	<b>2 693 089</b>	<b>2 667 855</b>	<b>2 776 953</b>	<b>2 855 809</b>	<b>2 826 311</b>	<b>2 208 399</b>	<b>3 035 232</b>	<b>2 836 456</b>

Table 102. Gross capital

Item	1997	1998	1999	2000	2001
					<b>At 2006</b>
<b>A. By type of capital goods</b>					
a. Gross fixed capital formation	2 397 302	2 572 641	2 622 123	2 812 736	2 309 094
1. Residential building	282 038	291 919	259 580	245 813	211 203
2. Non-residential building	470 686	488 296	468 897	468 034	437 386
3. Other construction except land improvement	568 178	578 300	589 305	565 322	481 391
4. Land improvement and plantation and orchard development	27 235	26 997	31 409	33 020	40 480
5. Transport equipment	183 671	207 868	155 521	167 757	162 774
6. Machinery and equipment	803 284	891 865	1 002 184	1 198 520	845 924
7. Breeding stock, draught animals, dairy cattle and the like	973	339	3 705	2 188	556
8. Intangible fixed assets	61 237	87 057	111 522	132 082	129 380
b. Changes in inventories	106 306	114 666	74 486	107 491	- 80 627
<b>Gross capital formation</b>	<b>2 503 608</b>	<b>2 687 307</b>	<b>2 696 609</b>	<b>2 920 227</b>	<b>2 228 467</b>
<b>B. By kind of activity</b>					
a. Gross fixed capital formation	2 397 302	2 572 641	2 622 123	2 812 736	2 309 094
1. Agriculture, forestry, fishing and animal husbandry	32 348	26 911	31 114	18 826	22 021
2. Mining and quarrying	4 148	4 430	4 395	4 023	3 058
3. Manufacturing	678 878	719 388	787 048	1 045 491	733 647
4. Electricity and gas supply	122 115	140 956	153 285	141 475	132 800
5. Water supply and remediation services	11 326	12 167	14 801	12 476	12 479
6. Construction	22 605	24 921	24 154	25 107	20 490
7. Wholesale and retail trade	135 760	146 873	140 527	144 539	124 281
8. Transportation and storage	132 165	146 606	113 798	120 967	124 645
9. Accommodation and food services	21 058	21 020	22 241	23 399	19 949
10. Information and communication	74 355	133 197	139 526	146 514	130 384
11. Finance and insurance	80 135	107 402	122 810	97 805	90 005
12. Real estate	303 772	311 657	277 844	261 075	223 861
13. Professional, scientific and technical services	14 175	15 593	11 732	9 113	9 704
14. Support services	22 732	26 112	22 509	25 396	17 340
15. Public administration and defence	579 201	573 467	588 647	571 584	525 621
16. Education	82 576	82 727	82 937	78 481	53 734
17. Human health and social work services	37 602	40 839	44 694	41 260	31 674
18. Arts, entertainment and recreation	28 262	25 033	24 963	27 136	11 124
19. Other services	14 089	13 342	15 098	18 069	22 277
b. Changes in inventories	106 306	114 666	74 486	107 491	- 80 627
<b>Gross capital formation</b>	<b>2 503 608</b>	<b>2 687 307</b>	<b>2 696 609</b>	<b>2 920 227</b>	<b>2 228 467</b>
<b>C. By type of owner</b>					
a. Gross fixed capital formation	2 397 302	2 572 641	2 622 123	2 812 736	2 309 094
1. Private enterprises	1 540 606	1 718 383	1 715 782	1 942 038	1 495 667
2. Public enterprises	220 120	228 302	259 953	251 296	251 149
3. General government	636 576	625 956	646 388	619 402	562 278
b. Changes in inventories	106 306	114 666	74 486	107 491	- 80 627
1. Private enterprises	98 694	141 238	52 597	101 555	- 66 307
2. Public enterprises	7 612	- 26 572	21 889	5 936	- 14 320
<b>Gross capital formation</b>	<b>2 503 608</b>	<b>2 687 307</b>	<b>2 696 609</b>	<b>2 920 227</b>	<b>2 228 467</b>

## formation (continued)

Million NT\$

2002	2003	2004	2005	2006	2007	2008	2009 <sup>r</sup>	2010	2011
<b>Constant Prices</b>									
2 334 948	2 332 482	2 658 055	2 728 700	2 730 670	2 745 800	2 406 517	2 135 815	2 586 880	2 506 774
234 327	216 111	232 348	227 772	235 691	244 532	219 987	175 831	243 853	277 553
474 375	460 220	490 835	502 426	537 388	535 363	465 068	399 260	469 722	484 714
462 391	427 440	408 398	431 974	391 760	368 811	371 796	404 276	380 555	344 735
27 834	34 167	27 741	27 491	29 683	27 346	32 129	29 454	36 265	22 944
135 054	127 195	153 651	203 967	147 079	150 816	106 612	114 395	155 869	161 092
859 313	914 915	1 172 005	1 164 104	1 223 670	1 254 912	1 029 843	826 631	1 098 374	1 013 082
947	2 065	1 778	1 782	1 484	484	950	356	327	445
140 707	150 369	171 299	169 184	163 915	163 536	180 132	185 612	201 915	202 209
- 59 812	12 679	104 189	34 223	46 283	12 867	134 441	- 133 949	152 057	25 612
<b>2 275 136</b>	<b>2 345 161</b>	<b>2 762 244</b>	<b>2 762 923</b>	<b>2 776 953</b>	<b>2 758 667</b>	<b>2 540 958</b>	<b>2 001 866</b>	<b>2 738 937</b>	<b>2 532 386</b>
2 334 948	2 332 482	2 658 055	2 728 700	2 730 670	2 745 800	2 406 517	2 135 815	2 586 880	2 506 774
19 104	19 060	13 602	17 659	13 640	8 185	9 458	11 482	16 231	9 232
2 619	2 792	1 950	2 378	2 348	2 630	2 387	2 303	2 330	2 146
746 778	789 080	1 095 378	1 114 603	1 210 774	1 271 904	1 001 970	723 508	1 079 361	998 134
125 893	129 780	121 062	142 660	144 194	145 359	148 509	131 962	136 111	110 803
14 586	13 654	10 799	12 811	14 080	14 833	15 925	20 804	22 065	18 426
22 775	21 234	22 317	23 909	24 465	26 027	24 956	24 180	26 110	26 980
134 567	145 686	172 161	185 940	193 688	196 468	203 981	214 421	229 615	230 282
156 781	175 834	202 543	209 468	140 301	127 787	61 195	59 385	78 569	81 789
20 158	21 136	22 062	23 826	26 203	27 571	30 253	26 490	31 752	32 203
122 895	93 808	90 913	71 611	71 896	69 718	78 623	65 245	67 865	69 649
94 761	89 931	98 971	98 515	97 696	78 300	80 328	85 140	70 098	78 148
254 349	235 135	251 785	247 343	254 823	266 123	240 567	197 400	269 189	305 018
12 249	18 590	20 875	19 455	19 613	20 185	23 382	26 722	27 982	26 887
17 370	16 078	17 217	23 277	25 494	28 262	24 674	25 205	35 795	43 379
455 057	421 330	381 947	398 447	347 200	327 154	331 241	387 664	374 547	340 168
55 860	58 123	56 117	57 156	60 430	58 041	54 080	56 884	49 200	63 396
39 163	43 663	45 375	50 389	57 257	50 117	47 857	49 835	43 180	43 185
20 918	19 342	15 748	14 018	11 390	11 671	12 063	12 953	11 652	11 604
19 065	18 226	17 233	15 235	15 178	15 465	15 068	14 232	15 228	15 345
- 59 812	12 679	104 189	34 223	46 283	12 867	134 441	- 133 949	152 057	25 612
<b>2 275 136</b>	<b>2 345 161</b>	<b>2 762 244</b>	<b>2 762 923</b>	<b>2 776 953</b>	<b>2 758 667</b>	<b>2 540 958</b>	<b>2 001 866</b>	<b>2 738 937</b>	<b>2 532 386</b>
2 334 948	2 332 482	2 658 055	2 728 700	2 730 670	2 745 800	2 406 517	2 135 815	2 586 880	2 506 774
1 602 129	1 632 973	2 051 286	2 082 679	2 151 566	2 180 819	1 841 121	1 506 982	1 955 395	1 930 788
244 670	233 172	185 133	212 475	194 176	197 228	193 315	197 443	213 460	182 751
488 149	466 337	421 636	433 546	384 928	367 753	372 081	431 390	418 025	393 235
- 59 812	12 679	104 189	34 223	46 283	12 867	134 441	- 133 949	152 057	25 612
- 67 663	23 110	98 258	25 287	16 115	- 6 527	135 117	- 143 100	155 540	27 723
7 851	- 10 431	5 931	8 936	30 168	19 394	- 676	9 151	- 3 483	- 2 111
<b>2 275 136</b>	<b>2 345 161</b>	<b>2 762 244</b>	<b>2 762 923</b>	<b>2 776 953</b>	<b>2 758 667</b>	<b>2 540 958</b>	<b>2 001 866</b>	<b>2 738 937</b>	<b>2 532 386</b>

Table 103. Disposable income, consumption

Item	1996	1997	1998	1999	2000	2001	2002
Average disposable income per household	826 378	863 427	873 175	889 053	891 445	868 651	875 919
By disposable income quintile							
Lowest 20% (a)	298 443	312 458	310 865	317 001	315 172	279 404	292 113
Second 20%	537 241	557 429	560 766	573 853	571 355	524 766	538 584
Third 20%	723 067	753 919	765 375	778 496	778 556	740 054	743 888
Fourth 20%	966 103	1 003 815	1 014 770	1 031 669	1 043 508	1 013 478	1 005 274
Highest 20% (b)	1 607 034	1 689 517	1 714 097	1 744 245	1 748 633	1 785 550	1 799 733
(b)/(a) (Times)	5.38	5.41	5.51	5.50	5.55	6.39	6.16
Average consumption expenditure per household	614 435	634 477	646 343	655 282	662 722	657 872	672 619
By disposable income quintile							
Lowest 20%	285 227	292 464	288 889	290 266	300 440	283 920	302 415
Second 20%	464 278	487 183	496 500	497 548	502 783	480 451	500 714
Third 20%	589 982	612 672	632 744	638 566	634 736	629 430	647 533
Fourth 20%	721 896	747 747	763 930	777 298	780 907	792 556	804 065
Highest 20%	1 010 792	1 032 317	1 049 654	1 072 735	1 094 744	1 103 002	1 108 368
Percent distribution of total expenditures							
Food, beverage and tobacco	19.72	19.18	18.96	18.22	17.33	17.29	17.17
Clothing and footwear	4.51	4.52	4.50	4.10	3.85	3.66	3.57
Housing, water, electricity, gas and other fuels	25.62	25.46	25.61	25.33	25.62	25.08	24.23
Furnishings, household equipment and routine household maintenance	3.27	3.07	2.84	2.76	2.66	2.59	2.47
Health	9.79	9.92	10.25	10.89	11.01	11.43	12.16
Transport and communication	10.65	10.91	11.03	11.56	11.86	12.12	12.67
Recreation, culture and education	11.51	11.65	11.52	11.63	12.06	12.04	12.20
Restaurants and hotels	8.43	8.66	8.87	8.93	8.92	8.98	8.78
Miscellaneous goods and services	6.51	6.63	6.41	6.58	6.69	6.82	6.75
Average savings per household	211 943	228 951	226 831	233 770	228 723	210 779	203 300
By disposable income quintile							
Lowest 20%	13 216	19 994	21 976	26 735	14 733	- 4 516	- 10 302
Second 20%	72 963	70 245	64 267	76 305	68 572	44 315	37 871
Third 20%	133 085	141 247	132 630	139 931	143 820	110 623	96 355
Fourth 20%	244 207	256 068	250 840	254 371	262 601	220 922	201 210
Highest 20%	596 242	657 199	664 443	671 511	653 888	682 548	691 365

## expenditure and savings of households

NT\$

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
881 662	891 249	894 574	913 092	923 874	913 687	887 605	889 353	907 988	923 584
296 297	297 305	297 694	304 274	312 145	303 517	282 260	288 553	296 352	301 362
545 465	555 452	556 117	564 865	571 128	564 893	544 532	542 741	546 903	566 814
745 231	775 719	779 044	795 427	799 418	796 225	771 572	773 468	786 324	810 075
1 021 325	1 035 972	1 043 131	1 073 507	1 069 885	1 068 804	1 049 242	1 054 693	1 083 008	1 093 553
1 799 992	1 791 796	1 796 884	1 827 387	1 866 791	1 834 994	1 790 418	1 787 312	1 827 354	1 846 116
6.07	6.03	6.04	6.01	5.98	6.05	6.34	6.19	6.17	6.13
666 372	692 648	701 076	713 024	716 094	705 413	705 680	702 292	729 010	727 693
294 645	295 476	299 642	304 091	313 309	309 419	312 957	309 078	325 660	327 157
491 137	513 243	516 758	524 833	530 417	522 744	520 079	508 446	522 084	531 922
650 448	678 420	688 550	702 656	699 698	687 699	674 549	680 747	695 209	700 722
802 983	831 215	861 302	860 439	868 505	849 967	856 788	849 369	875 496	880 096
1 092 645	1 144 888	1 139 131	1 173 099	1 168 540	1 157 234	1 164 025	1 163 820	1 226 601	1 198 566
16.86	16.44	16.20	16.13	16.48	16.40	16.68	16.64	16.22	16.54
3.53	3.48	3.41	3.37	3.27	3.18	3.19	3.23	3.10	3.03
24.38	23.52	23.77	23.67	23.91	24.23	24.30	24.57	24.39	24.36
2.43	2.57	2.51	2.41	2.48	2.47	2.53	2.48	2.49	2.50
12.52	12.74	13.19	13.75	14.11	14.35	14.45	14.39	14.62	14.55
12.50	12.96	12.97	12.79	12.90	12.38	12.73	12.52	13.00	13.02
11.99	12.07	11.75	11.53	11.23	11.29	11.04	11.01	10.39	10.01
8.92	9.14	9.32	9.31	9.67	10.08	9.37	9.71	10.16	10.58
6.88	7.08	6.88	7.03	5.95	5.62	5.71	5.45	5.63	5.41
215 290	198 600	193 497	200 068	207 780	208 274	181 925	187 061	178 978	195 891
1 652	1 829	- 1 948	183	- 1 164	- 5 902	- 30 697	- 20 525	- 29 308	- 25 795
54 328	42 208	39 360	40 032	40 711	42 149	24 453	34 295	24 819	34 891
94 783	97 299	90 494	92 770	99 720	108 525	97 023	92 720	91 114	109 353
218 342	204 757	181 829	213 067	201 380	218 837	192 454	205 324	207 512	213 457
707 347	646 909	657 753	654 288	698 251	677 760	626 394	623 492	600 753	647 550

Table 104. Average family income

Item	General average	Disposable	
		Lowest 20 percent	Second 20 percent
No. of households (households)	8 077 323	1 615 465	1 615 465
No. of persons per household (persons)	3.23	1.83	2.76
No. of adults per household (persons)	2.55	1.62	2.19
No. of persons employed per household (persons)	1.46	0.51	1.09
No. of income recipients per household (persons)	1.68	1.06	1.28
<b>A. Total receipts</b>	<b>1 122 379</b>	<b>362 289</b>	<b>684 764</b>
1. Compensation of employees	647 332	88 412	325 859
2. Entrepreneurial income	148 332	32 173	86 303
3. Property income	47 446	13 338	21 426
4. Imputed rent income	67 398	36 928	53 800
5. Current transfer receipts	211 718	191 214	197 198
( 1 ) From individuals	57 935	78 240	65 510
( 2 ) From government	50 284	61 790	53 729
( 3 ) Benefit of social insurance	101 259	50 905	76 899
( 4 ) From enterprises	1 434	177	575
( 5 ) From abroad	807	101	485
6. Miscellaneous receipts	154	224	178
<b>B. Nonconsumption expenditures</b>	<b>198 796</b>	<b>60 927</b>	<b>117 950</b>
1. Interest	12 149	3 649	8 264
2. Current transfer expenditures	186 646	57 278	109 686
( 1 ) To private	48 192	16 728	26 306
( 2 ) To government	33 848	7 287	13 848
( 3 ) Social insurance	102 423	32 736	68 742
( 4 ) To abroad	2 183	527	790
<b>C. Consumption expenditures</b>	<b>727 693</b>	<b>327 157</b>	<b>531 922</b>
1. Food and non-alcoholic beverages	110 918	60 706	91 395
2. Tobacco, alcoholic beverages and betel nuts	9 481	5 220	8 379
3. Clothing and footwear	22 053	6 830	13 797
4. Housing, water, electricity, gas and other fuels	177 264	107 454	146 861
5. Furnishings, household equipment and routine household maintenance	18 167	6 593	11 153
6. Health	105 869	52 591	80 689
7. Transport	69 320	20 083	43 672
8. Communication	25 413	8 982	17 999
9. Recreation and culture	38 440	11 656	20 967
10. Education	34 417	5 121	18 377
11. Restaurants and hotels	77 000	28 353	54 341
12. Miscellaneous goods and services	39 350	13 568	24 292
<b>Disposable income</b>	<b>923 584</b>	<b>301 362</b>	<b>566 814</b>
<b>Consumption expenditures</b>	<b>727 693</b>	<b>327 157</b>	<b>531 922</b>
<b>Saving</b>	<b>195 891</b>	<b>- 25 795</b>	<b>34 891</b>
<b>Current receipts</b>	<b>1 176 877</b>	<b>395 610</b>	<b>726 844</b>



## and expenditure per household, 2012

NT\$

income quintile			Farm and non-farm	
Third 20 percent	Fourth 20 percent	Highest 20 percent	Farm	Non-farm
1 615 465	1 615 465	1 615 463	826 105	7 251 218
3.43	3.87	4.24	3.47	3.20
2.62	3.00	3.34	2.85	2.52
1.52	1.90	2.28	1.82	1.42
1.62	1.97	2.45	1.82	1.66
<b>983 543</b>	<b>1 330 415</b>	<b>2 250 888</b>	<b>946 624</b>	<b>1 142 403</b>
547 013	818 234	1 457 143	371 944	678 706
139 559	183 093	300 533	241 639	137 702
33 982	44 013	124 469	25 777	49 914
65 588	78 169	102 506	48 807	69 516
197 243	206 767	266 167	258 243	206 417
51 967	43 402	50 555	52 229	58 585
49 198	48 377	38 325	91 795	45 555
93 856	112 310	172 323	111 071	100 141
1 139	1 319	3 960	2 415	1 322
1 083	1 360	1 004	733	815
158	139	70	212	147
<b>173 468</b>	<b>236 862</b>	<b>404 772</b>	<b>142 456</b>	<b>205 214</b>
12 983	15 415	20 436	2 967	13 196
160 486	221 447	384 336	139 489	192 019
39 187	55 452	103 290	37 008	49 467
21 601	32 694	93 812	22 839	35 103
98 553	130 510	181 572	78 984	105 093
1 145	2 791	5 661	658	2 356
<b>700 722</b>	<b>880 096</b>	<b>1 198 566</b>	<b>630 062</b>	<b>738 815</b>
114 022	131 344	157 124	110 296	110 989
9 809	11 272	12 725	11 240	9 280
19 655	27 191	42 791	17 226	22 603
173 396	200 488	258 122	124 182	183 312
15 913	21 028	36 148	14 364	18 600
102 012	126 649	167 404	120 154	104 241
64 481	88 936	129 427	68 645	69 397
25 857	32 411	41 816	20 132	26 015
31 493	44 648	83 435	24 532	40 024
35 266	50 325	62 998	25 871	35 391
74 884	96 958	130 467	57 051	79 273
33 934	48 845	76 110	36 369	39 690
<b>810 075</b>	<b>1 093 553</b>	<b>1 846 116</b>	<b>804 168</b>	<b>937 188</b>
<b>700 722</b>	<b>880 096</b>	<b>1 198 566</b>	<b>630 062</b>	<b>738 815</b>
<b>109 353</b>	<b>213 457</b>	<b>647 550</b>	<b>174 106</b>	<b>198 373</b>
<b>1 036 149</b>	<b>1 392 460</b>	<b>2 333 324</b>	<b>983 417</b>	<b>1 198 917</b>

Table 105. Transactions table at purchasers'

Kind of industries		AA	AB	AC	AD	B	CA	CB	CC
Kind of commodities		Agriculture, horticulture and agrarian services	Animal husbandry	Forestry	Fishing	Mining and quarrying	Food manufacturing	Beverages and tobacco manufacturing	Textile mills
01	Agricultural products	47 800	14 962	0	875	0	155 433	5 008	15 373
02	Livestock	1 894	15 383	0	18	0	134 021	310	2 200
03	Forest products	178	88	178	1	0	71	1	8
04	Fishery products	0	275	0	6 519	0	12 784	170	0
05	Minerals	0	5	0	14	84 078	1 426	58	710
06	Process foods	310	108 925	0	12 983	0	144 018	9 555	640
07	Beverages	6	65	0	0	0	941	1 965	0
08	Tobacco	0	0	0	0	0	0	4 924	0
09	Textile mill products	351	27	2	2 419	65	585	16	167 939
10	Wearing apparel and clothing accessories	26	0	2	19	0	24	16	237
11	Leather, fur and related products	0	0	0	0	0	0	1	242
12	Wood and related products	531	207	0	415	403	406	33	170
13	Pulp, paper and paper products	282	45	0	103	11	9 835	4 441	2 745
14	Printing and reproduction of recorded media	98	59	0	245	14	579	355	248
15	Petroleum and coal products	4 860	396	48	27 205	15 879	8 144	1 706	11 684
16	Chemical materials	16 680	28	5	33	89	3 174	3 219	92 186
17	Chemical products	6 034	132	9	214	1 257	2 920	1 212	18 208
18	Medicines	836	3 068	0	326	15	2 521	164	22
19	Rubber products	199	544	0	2	460	146	6	2 705
20	Plastic products	2 402	152	2	230	147	12 908	4 008	3 004
21	Non-metallic mineral products	94	0	1	9	113	1 458	1 568	3 313
22	Iron and steel products	2	0	0	165	521	7	2	115
23	Miscellaneous metals	0	0	0	0	0	1 209	644	82
24	Fabricated metal products	754	1 030	7	39	606	5 293	9 589	977
25	Electronic parts and components	0	0	0	0	0	6	3	13
26	Computers, electronic and optical products	4	0	0	0	132	51	8	45
27	Electrical equipment	44	0	6	82	132	62	3	112
28	Mechanical equipment	1 273	255	4	843	3 834	1 399	374	2 787
29	Motor vehicles and parts	4	2	3	2	22	96	7	117
30	Other transport equipment	0	0	0	1 611	0	13	0	2
31	Furniture	0	0	0	0	3	0	0	4
32	Other manufactures & repair and maintenance of industrial machinery and equipment	181	1	0	4 401	605	1 463	1 017	2 209
33	Electricity supply	849	1 724	7	1 941	2 559	8 776	1 411	14 361
34	Gas supply	5	9	4	0	18	451	44	299
35	Water supply	13	239	0	17	112	225	104	438
36	Remediation services	39	315	0	0	0	801	588	728
37	Construction	611	365	5	115	609	862	264	1 361
38	Wholesale and retail trade	0	0	0	468	115	3 111	490	1 514
39	Transportation and storage	70	0	28	1 394	180	2 834	266	1 963
40	Accommodation and food services	193	0	19	62	94	1 187	111	1 727
41	Mass communication services	4	3	1	30	20	210	44	105
42	Telecommunication services	28	0	3	176	203	797	85	801
43	Data processing & information services	0	0	0	8	11	1 000	116	371
44	Finance and insurance services	881	2 793	25	615	542	6 299	675	5 390
45	Real estate services	0	0	0	333	74	1 473	75	620
46	Professional, scientific and technical services	1 663	666	1	145	1 067	15 801	3 696	6 584
47	Support services	6	4	2	36	540	2 836	420	1 312
48	Public administration services	1 078	689	40	1 139	252	2 538	790	749
49	Education services	55	230	3	17	2	503	23	333
50	Human health and social work services	65	362	6	128	0	251	15	273
51	Arts, entertainment and recreation services	0	0	0	0	3	110	8	67
52	Other services	51	5	10	234	227	1 580	379	1 626
01-52	Intermediate inputs	90 454	153 053	421	65 631	115 014	552 638	59 987	368 719
53	Compensation of employees	35 411	2 246	1 141	21 665	13 652	53 769	15 180	58 420
54	Operating surplus	156 923	23 483	532	18 300	12 464	17 240	13 579	7 097
55	Consumption of fixed capital	10 037	2 162	247	2 749	3 612	9 922	4 019	9 218
56	Net indirect taxes	- 21 403	- 117	- 369	- 2 403	1 397	4 000	51 299	735
53-56	Primary inputs	180 968	27 774	1 551	40 311	31 125	84 931	84 077	75 470
01-56	Total inputs	271 422	180 827	1 972	105 942	146 139	637 569	144 064	444 189

## prices (C x I), 2011

Million NT\$

CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN
Wearing apparel and clothing accessories manufacturing	Leather, fur and related products manufacturing	Wood and bamboo products manufacturing	Pulp, paper and paper products manufacturing	Printing and reproduction of recorded media	Petroleum and coal products manufacturing	Chemical material manufacturing	Chemical products manufacturing	Medical goods manufacturing	Rubber products manufacturing	Plastic products manufacturing
56	2	0	0	0	0	324	386	785	2	34
8	0	0	0	0	0	32	7	95	0	25
1	58	4 765	506	0	5	4	277	0	13 379	103
0	0	0	0	0	0	0	55	30	0	0
2	24	5	2 653	74	1 017 127	29 556	1 296	42	93	518
63	8 122	53	5	0	11	572	1 921	1 846	0	130
0	0	0	0	0	0	12	6	17	0	0
0	0	0	0	0	0	0	0	0	0	0
28 700	1 480	131	2 717	320	140	7 590	655	1 830	6 309	6 790
3 721	140	0	14	3	13	185	0	8	5	169
61	9 325	14	2	6	18	92	1	0	3	565
25	71	14 632	4 966	93	39	244	213	2	33	251
550	380	323	107 337	32 361	162	7 259	3 082	2 472	680	3 182
129	91	36	334	1 762	110	535	311	113	6	326
845	580	856	8 534	1 302	91 166	428 628	4 194	885	2 810	3 962
543	2 647	708	7 816	4 081	6 373	1 318 140	81 789	2 627	31 404	159 690
89	2 370	1 000	8 208	10 263	7 691	28 769	55 356	1 530	6 402	19 550
0	17	0	0	0	31	19	52	27 453	0	6
160	127	87	332	79	316	499	43	39	9 228	3 043
652	1 566	759	5 775	3 214	1 123	6 597	5 753	2 003	1 001	39 041
1	7	12	7	38	398	3 249	1 463	3 376	7	139
2	15	36	39	438	1 536	1 020	296	14	3 314	2 431
0	49	19	487	3 320	1 272	17 231	1 500	63	417	1 334
187	231	354	188	936	1 184	2 844	4 084	514	1 433	5 137
2	13	0	0	1	0	1 865	14	142	3	488
7	14	95	4	2 434	1 032	791	36	88	1	68
31	13	15	56	14	722	472	240	8	23	488
101	77	198	885	321	3 513	5 717	520	11	656	2 160
21	5	9	53	6	526	123	27	4	32	622
17	10	0	0	0	2	0	26	0	0	8
0	0	0	0	0	5	3	7	0	0	2
1 299	182	187	1 508	1 096	2 581	6 971	831	367	576	1 422
1 089	515	925	10 246	2 696	43 487	68 131	5 287	1 443	2 576	7 681
47	24	26	135	57	51	1 246	89	84	97	121
37	18	34	95	40	596	3 543	214	91	48	401
1	85	0	12 616	21	17	876	10	5	0	53
182	139	148	737	474	3 762	9 048	658	237	249	958
981	196	150	987	178	580	3 235	1 355	2 023	547	1 031
790	272	219	996	279	1 348	4 148	1 560	803	1 032	1 981
345	87	111	257	423	416	1 832	995	974	204	4 407
53	51	32	87	58	25	168	69	38	21	73
206	133	143	473	838	574	872	644	221	252	608
212	51	33	124	98	407	454	335	122	30	291
1 001	1 128	699	3 455	2 044	6 147	13 351	3 077	1 147	2 296	5 546
424	128	44	251	309	306	604	376	152	135	550
1 615	1 978	468	2 693	2 075	9 660	14 342	8 097	9 583	3 165	5 850
1 039	185	64	673	1 166	3 069	7 361	2 504	589	490	1 025
292	80	176	233	520	1 799	3 239	787	387	467	922
35	16	18	7	1	43	49	76	47	0	25
231	60	6	14	11	32	624	79	27	124	402
28	14	7	23	21	11	64	51	37	18	64
275	146	181	284	485	1 440	2 039	476	147	396	1 011
46 156	32 922	27 778	186 812	73 956	1 210 866	2 004 569	191 180	64 521	89 964	284 684
21 495	8 060	7 710	27 750	27 396	32 434	78 440	35 882	15 175	19 352	53 074
1 730	2 095	1 462	10 620	7 070	- 18 775	194 491	9 699	8 552	5 476	2 134
1 273	449	783	4 463	3 480	29 551	41 235	6 010	2 379	3 585	12 245
262	143	136	444	240	96 650	2 651	743	248	1 376	1 119
24 760	10 747	10 091	43 277	38 186	139 860	316 817	52 334	26 354	29 789	68 572
70 916	43 669	37 869	230 089	112 142	1 350 726	2 321 386	243 514	90 875	119 753	353 256

Table 105. Transactions table at purchasers<sup>1</sup>

Kind of industries		CO	CP	CQ	CR	CS	CT	CU
Kind of commodities		Non-metallic mineral products manufacturing	Basic metal manufacturing	Fabricated metal products manufacturing	Electronic parts and components manufacturing	Computers, electronic and optical products manufacturing	Electrical equipment manufacturing	Machinery and equipment manufacturing
01	Agricultural products	28	1	1	109	8	2	208
02	Livestock	3	0	0	11	0	0	0
03	Forest products	4	8	0	151	3	7	206
04	Fishery products	1	0	0	0	0	0	0
05	Minerals	66 076	148 296	1 164	3 960	1 720	557	763
06	Process foods	128	45	2	31	2	9	28
07	Beverages	2	0	0	0	2	0	0
08	Tobacco	0	0	0	0	0	0	0
09	Textile mill products	1 084	396	1 267	13 827	1 000	1 183	539
10	Wearing apparel and clothing accessories	4	6	129	618	52	20	26
11	Leather, fur and related products	1	16	442	75	128	45	547
12	Wood and related products	701	238	1 848	404	898	711	2 615
13	Pulp, paper and paper products	3 676	1 175	3 895	13 548	10 402	3 018	1 908
14	Printing and reproduction of recorded media	115	109	763	1 815	1 666	294	393
15	Petroleum and coal products	19 128	76 761	12 650	10 192	12 920	5 334	7 124
16	Chemical materials	8 576	51 868	20 184	314 746	22 838	13 507	4 671
17	Chemical products	5 974	11 768	20 000	105 870	6 483	4 099	2 867
18	Medicines	0	0	0	42	134	10	3
19	Rubber products	254	91	1 716	9 129	2 877	2 226	18 008
20	Plastic products	845	781	7 470	77 898	29 920	12 156	5 774
21	Non-metallic mineral products	50 997	11 474	2 883	21 729	7 610	2 153	3 497
22	Iron and steel products	8 087	879 899	310 196	8 824	9 517	28 138	208 578
23	Miscellaneous metals	355	286 081	84 228	98 151	11 722	94 159	36 642
24	Fabricated metal products	2 541	26 265	94 666	24 721	19 247	14 456	74 367
25	Electronic parts and components	100	152	655	1 794 726	349 248	19 339	13 922
26	Computers, electronic and optical products	99	146	540	14 389	72 351	4 749	26 351
27	Electrical equipment	351	1 427	2 318	26 416	24 633	120 471	51 022
28	Mechanical equipment	4 917	6 409	11 917	48 798	5 649	19 465	161 963
29	Motor vehicles and parts	157	101	89	217	667	823	1 084
30	Other transport equipment	2	9	406	29	68	190	703
31	Furniture	4	9	26	1	4	20	121
32	Other manufactures & repair and maintenance of industrial machinery and equipment	2 670	8 475	2 332	33 214	2 636	1 571	3 007
33	Electricity supply	12 144	38 703	12 745	81 390	12 200	3 887	5 456
34	Gas supply	1 553	1 216	662	4 768	838	375	257
35	Water supply	535	1 763	357	2 126	658	143	152
36	Remediation services	814	53 938	687	842	1 398	206	47
37	Construction	1 530	5 516	2 585	7 688	3 634	560	1 562
38	Wholesale and retail trade	531	2 418	2 366	13 701	9 879	2 080	5 055
39	Transportation and storage	1 125	4 336	4 980	18 400	17 762	4 047	8 498
40	Accommodation and food services	634	1 199	2 624	7 596	14 421	1 989	4 581
41	Mass communication services	93	103	101	1 205	1 864	223	325
42	Telecommunication services	726	1 336	1 777	4 873	5 922	751	1 823
43	Data processing & information services	359	541	712	5 936	4 402	583	889
44	Finance and insurance services	3 790	17 875	10 676	74 695	26 486	8 447	9 724
45	Real estate services	717	494	1 537	5 447	11 316	1 052	1 721
46	Professional, scientific and technical services	3 947	7 881	7 973	187 552	116 942	15 192	15 563
47	Support services	2 468	5 052	7 805	96 569	46 550	3 392	6 043
48	Public administration services	802	2 156	3 999	5 764	3 521	1 193	1 346
49	Education services	41	2 216	619	3 550	2 254	677	217
50	Human health and social work services	137	226	360	2 183	3 929	812	406
51	Arts, entertainment and recreation services	46	79	234	243	192	88	271
52	Other services	918	3 859	5 237	9 432	4 468	868	2 299
01-52	Intermediate inputs	209 790	1 662 913	649 823	3 157 601	883 041	395 277	693 172
53	Compensation of employees	36 277	80 920	154 294	387 857	150 395	69 696	118 697
54	Operating surplus	14 148	98 845	38 881	- 5 542	279 299	33 744	44 671
55	Consumption of fixed capital	9 265	32 937	30 968	540 685	32 024	11 162	12 779
56	Net indirect taxes	5 120	3 137	3 139	5 057	4 722	3 835	2 572
53-56	Primary inputs	64 810	215 839	227 282	928 057	466 440	118 437	178 719
01-56	Total inputs	274 600	1 878 752	877 105	4 085 658	1 349 481	513 714	871 891

Notes : <sup>1</sup> Including repair and installation of industrial machinery and equipment.<sup>2</sup> Including sewage and waste management.

## prices (C x I), 2011 (continued)

Million NT\$

CV	CW	CX	CY	DA	DB	EA	EB	F	GA	GB
Motor vehicles and parts manufacturing	Other transport equipment manufacturing	Furniture manufacturing	Other manufacturing <sup>1</sup>	Electricity supply	Gas supply	Water supply	Remediation services <sup>2</sup>	construction	Wholesale trade	Retail trade
0	0	0	10	4	3	8	0	823	131	1 482
0	0	0	2	0	0	0	0	0	46	302
3	0	278	980	1	1	1	0	2 776	9	0
0	0	0	0	0	0	0	0	0	6	123
193	229	74	394	297 729	27 443	94	115	42 479	19	33
0	1	0	2 640	0	0	2	0	0	747	6 037
0	0	0	0	0	0	0	0	0	6	51
0	0	0	0	0	0	0	0	0	0	0
1 368	914	1 169	11 907	2	1	0	0	575	2 484	1 326
3	15	91	273	31	0	2	0	900	15	29
3 956	70	1 387	1 179	0	0	0	0	0	321	18
666	1 526	6 497	3 103	76	46	28	2	36 783	2 572	282
1 958	1 118	802	3 412	8	4	3	8	2 208	26 913	12 144
43	44	48	433	203	3	23	0	326	9 952	5 850
3 219	1 849	551	2 058	48 397	23 023	293	2 464	17 185	50 337	25 028
5 631	3 897	2 542	14 524	6 126	124	742	628	577	1 051	71
3 737	3 044	895	2 645	177	61	62	3 905	26 731	1 037	1 330
3	0	0	0	0	0	25	0	0	87	39
9 506	8 609	155	2 590	66	6	13	7	1 180	1 717	2 223
12 518	3 176	3 400	9 605	56	123	206	2 617	21 124	30 106	23 294
4 558	741	787	1 035	1 273	624	262	47	197 962	167	99
37 199	25 007	13 938	15 181	971	569	247	7 488	191 813	2 808	856
14 770	13 565	2 215	9 544	28	9	5	4 706	4 744	93	79
15 952	9 263	4 902	13 846	578	263	208	817	138 281	2 167	1 183
4 461	1 609	169	4 690	42	2	1	7 389	763	1 437	504
2 385	3 147	19	1 436	195	132	44	3 167	7 171	987	328
12 001	3 616	203	4 933	1 552	259	153	433	86 517	2 586	1 457
8 244	10 514	927	28 838	1 385	298	298	4 393	52 446	8 692	808
185 611	558	30	89	2	1	8	5	3	3 352	9 787
6 942	104 624	91	5 805	0	0	0	10	3	5 974	2 771
278	527	5 801	118	3	1	0	0	3 491	114	119
1 483	2 164	212	26 141	9 937	102	1 642	4 254	2 128	6 528	1 261
4 794	2 941	633	3 758	59 860	87	1 836	2 084	3 385	25 195	45 952
411	174	38	177	33	4	2	180	183	2 720	982
78	80	17	502	192	4	10 108	21	116	2 067	732
34	2	1	217	78	1	4	29 138	0	21	38
268	540	155	1 115	812	640	408	1 760	1 254	15 874	12 684
1 524	1 654	348	1 180	31	134	3	165	868	49 702	16 856
2 611	1 201	642	2 844	588	54	169	310	7 892	61 294	12 739
701	684	621	1 058	62	21	69	2 546	2 078	44 628	4 089
97	102	17	527	44	4	19	20	394	6 708	1 859
379	409	174	904	124	51	63	185	3 855	25 958	13 441
2 342	549	136	475	234	20	136	92	538	16 460	7 803
5 231	2 833	755	3 908	4 656	620	499	2 730	9 900	52 757	25 926
515	156	160	774	83	14	11	480	1 803	55 997	115 647
12 661	10 333	1 415	6 308	5 619	694	771	1 845	48 086	96 130	35 805
3 972	2 905	486	1 975	1 150	124	432	2 241	8 178	53 592	21 127
1 669	530	183	882	2 348	97	442	1 230	2 413	8 203	8 626
186	268	84	197	100	7	124	282	924	699	84
541	346	12	180	24	13	10	26	4 080	16 641	5 968
84	64	5	267	3	10	2	26	240	892	521
1 497	519	250	1 661	390	91	281	1 148	5 595	13 873	7 475
376 283	226 117	53 315	196 320	445 273	55 788	19 759	88 964	940 771	711 872	437 268
47 036	46 351	10 596	56 982	38 624	4 728	9 685	13 792	285 016	590 332	370 014
13 621	16 581	956	7 218	- 48 899	4 809	797	48 530	83 500	862 455	601 472
16 906	5 666	1 316	11 177	124 998	1 823	11 632	4 367	21 532	79 058	54 036
29 563	4 855	185	891	2 583	74	- 380	843	4 775	34 855	17 672
107 126	73 453	13 053	76 268	117 306	11 434	21 734	67 532	394 823	1 566 700	1 043 194
483 409	299 570	66 368	272 588	562 579	67 222	41 493	156 496	1 335 594	2 278 572	1 480 462

Table 105. Transactions table at purchasers'

Kind of industries		HA	HB	HC	HD	HE	IA	IB
		Land transportation	Water transportation	Air transportation	Supporting services to transportation; warehousing and storage	Postal and courier services	Accommodation services	Food and beverage services
Kind of commodities								
01	Agricultural products	5	0	0	0	0	1 577	19 013
02	Livestock	0	0	0	0	0	202	2 781
03	Forest products	2	0	0	0	0	0	0
04	Fishery products	0	0	0	0	0	69	773
05	Minerals	147	52	0	0	0	2	0
06	Process foods	0	0	0	0	0	8 503	106 718
07	Beverages	0	0	0	0	0	185	2 135
08	Tobacco	0	0	0	0	0	0	0
09	Textile mill products	24	104	1	193	92	2 555	923
10	Wearing apparel and clothing accessories	64	0	0	0	65	110	1 193
11	Leather, fur and related products	0	0	0	0	0	2	0
12	Wood and related products	86	1	1	65	25	27	207
13	Pulp, paper and paper products	225	39	222	176	70	2 987	7 412
14	Printing and reproduction of recorded media	207	6	478	332	473	34	150
15	Petroleum and coal products	90 281	42 901	110 256	14 592	1 902	2 134	2 541
16	Chemical materials	7	0	0	0	0	2	11
17	Chemical products	94	122	71	437	136	2 627	3 124
18	Medicines	0	0	0	0	1	52	2
19	Rubber products	5 946	17	66	335	39	7	0
20	Plastic products	68	3	9	10	2	1 862	8 290
21	Non-metallic mineral products	369	0	0	0	0	508	1 389
22	Iron and steel products	1 047	74	9	598	26	0	0
23	Miscellaneous metals	15	0	0	0	0	1	0
24	Fabricated metal products	871	54	44	149	21	522	2 287
25	Electronic parts and components	78	39	13	106	25	33	0
26	Computers, electronic and optical products	233	132	28	124	1	151	1
27	Electrical equipment	541	46	140	319	44	113	119
28	Mechanical equipment	767	72	1 591	494	135	131	116
29	Motor vehicles and parts	4 903	94	169	575	66	93	11
30	Other transport equipment	151	1 211	737	750	5	11	9
31	Furniture	17	0	0	0	0	1	0
32	Other manufactures & repair and maintenance of industrial machinery and equipment	11 274	1 486	16 189	5 934	1 229	1 066	1 171
33	Electricity supply	4 311	127	1 308	2 814	466	3 307	5 381
34	Gas supply	186	57	62	79	16	2 406	14 820
35	Water supply	104	24	39	89	16	631	416
36	Remediation services	79	1	2	149	37	0	0
37	Construction	11 431	196	286	2 830	165	808	1 267
38	Wholesale and retail trade	1 987	5 070	14 505	4 612	1 372	611	391
39	Transportation and storage	4 049	113 297	30 554	9 881	20 512	795	902
40	Accommodation and food services	849	646	8 925	2 336	107	333	222
41	Mass communication services	490	337	380	432	61	500	439
42	Telecommunication services	1 264	191	753	1 325	337	1 287	1 532
43	Data processing & information services	364	410	419	648	83	1 216	1 443
44	Finance and insurance services	4 988	3 533	4 398	3 296	1 006	2 308	3 517
45	Real estate services	1 210	1 002	699	2 006	554	2 331	9 466
46	Professional, scientific and technical services	3 568	729	2 956	4 365	896	2 596	5 881
47	Support services	7 801	16 000	18 283	11 497	2 864	1 812	3 138
48	Public administration services	4 696	377	205	1 956	127	142	1 380
49	Education services	44	6	160	143	57	4	0
50	Human health and social work services	57	2	397	157	40	403	272
51	Arts, entertainment and recreation services	70	23	15	132	4	24	56
52	Other services	12 148	152	684	679	181	1 844	1 127
01-52	Intermediate inputs	177 118	188 633	215 054	74 615	33 258	48 925	212 026
53	Compensation of employees	83 909	8 327	23 832	65 146	26 980	34 053	149 423
54	Operating surplus	53 804	- 7 959	3 237	51 137	5 072	17 263	62 480
55	Consumption of fixed capital	39 708	9 329	30 486	12 790	2 012	6 003	25 006
56	Net indirect taxes	3 293	407	319	2 163	58	1 385	3 318
53-56	Primary inputs	180 714	10 104	57 874	131 236	34 122	58 704	240 227
01-56	Total inputs	357 832	198 737	272 928	205 851	67 380	107 629	452 253

Notes : <sup>3</sup> Including publishing and audiovisual services.

## prices (C x I), 2011 (continued)

Million NT\$

JA	JB	JC	KA	KB	KC	LA	LB	M	NA	NB
Broadcasting <sup>3</sup>	Telecommunica- tions	IT and other	Financial intermediation	Insurance carriers	Securities, futures and other financing	Real estate, except dwellings services	Dwellings services	Professional, scientific and technical services	Rental and leasing	Other support services
30	0	0	0	0	0	68	0	89	0	0
3	0	0	0	0	0	8	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	2	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
210	0	0	0	0	0	438	0	99	0	0
4	0	0	0	0	0	8	0	5	0	0
0	0	0	0	0	0	0	0	0	0	0
227	3	9	1	0	0	43	0	2 080	0	2
221	2	2	0	0	0	13	0	932	0	0
112	0	3	0	0	0	0	0	10	0	0
631	9	35	0	0	0	6	0	1 192	0	240
19 166	115	2 790	2 257	140	1 084	250	0	5 313	83	5 425
18 079	1 154	938	9 695	1 876	2 039	317	0	17 803	23	4 362
1 211	569	679	797	565	337	2 252	0	4 088	4 120	3 608
6	34	37	0	0	0	2	0	2 692	0	843
5 078	19	183	206	305	114	170	0	10 901	0	11 652
1	3	0	0	0	0	9	0	1 578	0	0
8	1	8	1	0	0	1	0	18	89	246
1 350	38	138	24	0	0	84	0	2 782	37	489
49	11	3	0	0	0	7	0	155	0	0
97	10	21	0	0	0	79	0	220	2	0
147	2	13	0	0	0	70	0	292	0	0
682	58	378	0	0	0	101	0	1 860	11	523
964	33	11 150	7	2	1	90	0	3 657	617	4
11 075	5 929	13 589	245	21	97	199	0	15 512	1 961	2 257
1 194	4 468	2 749	44	5	66	862	0	4 251	655	2 461
413	17	223	816	149	386	13	0	607	867	3
14	3	117	19	5	5	14	0	93	1 513	17
1	0	10	0	0	0	0	0	21	32	19
0	0	0	0	0	0	0	0	4	0	0
1 491	259	912	1 188	641	435	285	0	3 237	1 451	677
1 635	4 795	1 605	3 296	830	1 030	3 100	0	4 968	286	1 049
183	224	162	205	143	82	1 052	0	1 210	182	145
90	96	132	174	68	58	180	0	485	4	107
56	0	1	0	0	0	227	0	129	0	0
3 079	8 284	758	1 774	418	1 191	19 684	70 324	1 683	327	680
3 086	21 790	2 783	32	7	5	108	0	7 236	647	2 384
2 124	3 722	3 913	8 095	1 778	2 054	1 564	0	6 507	677	1 743
2 502	567	3 105	9 180	965	276	2 580	0	6 284	31	896
60 863	746	6 773	1 802	826	307	762	0	29 500	4 068	2 077
2 226	61 658	13 035	4 846	1 572	2 798	1 894	0	7 194	282	2 900
1 561	359	2 991	4 858	4 479	286	6 402	0	2 454	1 460	1 975
2 037	4 624	2 765	85 759	81 493	41 209	27 152	89 839	4 527	725	3 052
1 656	2 541	3 283	15 798	3 289	7 800	8 633	0	11 193	971	2 713
12 032	18 780	12 561	25 377	6 754	8 832	46 596	0	24 607	2 177	3 611
2 377	8 404	4 412	10 542	2 536	2 690	3 868	0	12 617	1 791	3 734
1 241	933	717	4 260	7 686	4 116	7 789	0	2 533	468	1 174
172	933	180	365	124	71	52	0	5 931	44	104
412	8	54	4 394	246	507	13	0	314	2	70
6 425	28	190	276	93	109	1 031	0	6 203	17	409
864	6 395	801	5 735	1 521	1 228	1 137	0	1 914	220	803
167 086	157 628	94 208	202 068	118 537	79 213	139 215	160 163	216 980	25 840	62 454
54 345	67 755	75 431	224 617	116 597	57 607	56 679	0	184 926	11 762	151 564
52 494	79 999	61 995	276 110	67 912	38 391	109 637	821 726	105 263	11 410	5 712
6 337	67 908	13 935	53 701	24 366	11 156	12 271	139 716	20 575	17 605	7 331
1 385	7 579	1 061	18 836	7 453	4 352	4 478	42 426	3 652	1 302	1 205
114 561	223 241	152 422	573 264	216 328	111 506	183 065	1 003 868	314 416	42 079	165 812
281 647	380 869	246 630	775 332	334 865	190 719	322 280	1 164 031	531 396	67 919	228 266

Table 105. Transactions table at purchasers'

Kind of industries		O	P	QA	QB	R	SA	SB
Kind of commodities		Public administration and defence	Education	Human health services	Social work services <sup>4</sup>	Arts, entertainment and recreation	Non-profit institutions serving households	Domestic services
01	Agricultural products	2 924	276	0	0	432	0	0
02	Livestock	66	74	0	0	50	0	0
03	Forest products	2	0	0	0	0	0	0
04	Fishery products	218	0	0	0	20	0	0
05	Minerals	77	0	0	0	0	0	0
06	Process foods	4 388	755	0	0	3 369	0	0
07	Beverages	1 223	124	0	0	52	0	0
08	Tobacco	7	4	0	0	0	0	0
09	Textile mill products	450	198	188	87	138	0	0
10	Wearing apparel and clothing accessories	2 944	253	19	22	77	0	0
11	Leather, fur and related products	522	34	0	0	0	0	0
12	Wood and related products	317	601	12	0	90	0	0
13	Pulp, paper and paper products	2 729	2 038	1 448	238	1 140	447	0
14	Printing and reproduction of recorded media	9 939	4 488	819	977	923	3 172	0
15	Petroleum and coal products	11 972	2 866	3 692	438	1 045	534	0
16	Chemical materials	2 471	4 175	5 921	0	0	0	0
17	Chemical products	7 686	1 124	1 765	2 048	868	3 852	0
18	Medicines	2 096	847	83 147	198	83	0	0
19	Rubber products	659	141	11	0	0	0	0
20	Plastic products	3 650	1 709	1 095	38	981	0	0
21	Non-metallic mineral products	2 132	2 588	1 084	0	34	0	0
22	Iron and steel products	1 651	24	3	0	0	0	0
23	Miscellaneous metals	5	0	0	0	1	0	0
24	Fabricated metal products	27 320	2 158	2 639	239	344	267	0
25	Electronic parts and components	1 357	2 947	1 125	3	65	0	0
26	Computers, electronic and optical products	4 115	15 518	15 151	6	3 279	22	0
27	Electrical equipment	5 530	11 379	1 297	82	329	10	0
28	Mechanical equipment	2 828	1 698	2 695	228	310	461	0
29	Motor vehicles and parts	8 430	511	394	8	23	17	0
30	Other transport equipment	56	0	3 117	5	6	6	0
31	Furniture	1 047	1 853	0	0	0	1 359	0
32	Other manufactures & repair and maintenance of industrial machinery and equipment	7 940	8 881	31 914	377	5 685	635	0
33	Electricity supply	8 773	15 930	11 189	2 005	5 274	3 989	0
34	Gas supply	248	605	930	124	766	226	0
35	Water supply	701	492	288	37	215	127	0
36	Remediation services	36 391	4 751	2 557	114	0	0	0
37	Construction	8 077	6 997	2 078	1 714	1 228	1 130	0
38	Wholesale and retail trade	6	10	1 046	109	1 885	0	0
39	Transportation and storage	14 197	5 618	6 068	1 027	801	2 060	0
40	Accommodation and food services	20 007	5 975	805	2 993	1 945	11 466	0
41	Mass communication services	7 203	9 804	726	448	8 245	4 143	0
42	Telecommunication services	27 955	3 245	4 948	2 383	1 749	2 630	0
43	Data processing & information services	9 273	988	1 260	98	970	129	0
44	Finance and insurance services	34 241	4 581	6 613	642	3 395	1 278	0
45	Real estate services	1 767	170	9 815	1 865	10 401	2 159	0
46	Professional, scientific and technical services	24 270	5 998	7 417	3 105	4 110	4 041	0
47	Support services	21 947	11 876	4 769	2 095	3 412	432	0
48	Public administration services	6	917	1 187	263	1 632	1	0
49	Education services	17 785	1 194	467	1	28	44	0
50	Human health and social work services	2 839	1 386	669	1 815	14	2 522	0
51	Arts, entertainment and recreation services	1 585	430	46	0	2 156	5 480	0
52	Other services	5 525	1 583	3 262	1 150	1 510	1 844	0
01-52	Intermediate inputs	359 547	149 814	223 676	26 982	69 080	54 483	0
53	Compensation of employees	664 127	562 216	268 235	37 076	91 490	59 189	110 822
54	Operating surplus	0	42 566	98 948	0	21 618	0	0
55	Consumption of fixed capital	337 011	47 317	31 189	980	12 486	1 900	0
56	Net indirect taxes	3 634	- 13 139	- 10 254	- 725	4 339	800	0
53-56	Primary inputs	1 004 772	638 960	388 118	37 331	129 933	61 889	110 822
01-56	Total inputs	1 364 319	788 774	611 794	64 313	199 013	116 372	110 822

Notes : <sup>4</sup> Including residential care services.





Table 105. Transactions table at purchasers' prices( C × I ), 2011 (continued)

Million NT\$

Kind of industries	59	60	61	62	63	64
	Imports of goods and services	Net import duties	Trade margin	Transportation margin	Value-added tax	Statistical discrepancy ( Production approach )
Kind of commodities						
01 Agricultural products	139 958	3 725	192 588	6 904	4 658	- 4 644
02 Livestock	4 149	157	46 322	1 450	0	- 2 720
03 Forest products	21 369	15	2 896	404	6	- 432
04 Fishery products	13 340	1 000	78 699	1 622	113	- 1 055
05 Minerals	1 543 003	431	21 678	14 540	1 256	10 473
06 Process foods	186 618	15 544	436 544	15 313	19 148	- 19 144
07 Beverages	29 170	8 790	67 128	1 994	5 819	- 2 515
08 Tobacco	18 512	29 495	30 587	302	3 943	80
09 Textile mill products	38 784	2 046	102 787	6 433	1 785	- 2 150
10 Wearing apparel and clothing accessories	52 913	4 428	71 100	1 452	4 423	- 6 894
11 Leather, fur and related products	39 882	2 058	34 141	1 840	1 960	- 1 784
12 Wood and related products	35 315	515	17 088	3 091	174	133
13 Pulp, paper and paper products	79 172	81	86 869	4 649	2 035	1 751
14 Printing and reproduction of recorded media	4 876	10	0	959	1 843	3 132
15 Petroleum and coal products	531 012	1 121	105 115	7 976	6 870	5 614
16 Chemical materials	905 219	7 455	126 485	18 049	1 533	- 39 390
17 Chemical products	237 955	3 955	155 522	4 712	4 066	- 1 120
18 Medicines	84 517	445	133 748	1 479	8 972	- 12 925
19 Rubber products	21 960	2 609	31 367	1 528	781	- 269
20 Plastic products	140 031	3 129	94 741	3 939	1 476	5 055
21 Non-metallic mineral products	64 526	2 866	51 666	12 103	751	- 4 362
22 Iron and steel products	398 487	465	207 963	12 834	211	- 7 453
23 Miscellaneous metals	448 036	1 116	77 172	6 354	9	1 172
24 Fabricated metal products	97 696	2 011	105 995	6 333	3 205	- 1 607
25 Electronic parts and components	1 553 028	1 273	259 498	23 081	2 036	28 278
26 Computers, electronic and optical products	549 168	3 951	367 913	10 335	19 729	- 54 722
27 Electrical equipment	163 426	6 649	138 785	7 557	6 211	- 10 282
28 Mechanical equipment	731 932	7 589	180 987	9 221	17 975	- 5 805
29 Motor vehicles and parts	171 826	49 537	211 101	2 769	13 578	- 8 574
30 Other transport equipment	72 120	1 219	57 856	2 482	3 110	- 2 968
31 Furniture	18 535	237	44 076	3 518	2 155	- 1 972
32 Other manufactures & repair and maintenance of industrial machinery and equipment	76 352	1 088	118 936	4 003	7 052	- 51
33 Electricity supply	3 604	0	0	0	5 848	2 805
34 Gas supply	1 233	0	19 516	414	1 491	- 391
35 Water supply	791	0	0	655	436	1 122
36 Remediation services	310	3	5 709	2 316	2 128	1 972
37 Construction	318	0	0	0	28 773	10 460
38 Wholesale and retail trade	89 881	0	-3 740 291	0	1 434	51
39 Transportation and storage	203 841	0	0	- 203 367	12 533	- 35 775
40 Accommodation and food services	188 014	0	0	0	19 225	- 8 066
41 Mass communication services	54 605	1	57 713	756	2 593	- 627
42 Telecommunication services	19 814	0	0	0	7 863	470
43 Data processing & information services	20 038	0	0	0	5 837	- 232
44 Finance and insurance services	55 194	0	0	0	0	1 747
45 Real estate services	18 408	0	0	0	4 894	6 481
46 Professional, scientific and technical services	98 590	0	0	0	5 041	6 517
47 Support services	207 485	0	0	0	5 615	341
48 Public administration services	3 461	- 2 263	0	0	0	- 2 070
49 Education services	21 058	0	0	0	0	- 3 484
50 Human health and social work services	3 056	0	0	0	0	- 6 102
51 Arts, entertainment and recreation services	28 418	0	0	0	5 333	- 890
52 Other services	4 259	0	0	0	8 227	- 2 890
01-52 Intermediate inputs	9 495 265	162 751	0	0	264 154	- 165 711
53 Compensation of employees						
54 Operating surplus						
55 Consumption of fixed capital						
56 Net indirect taxes						
53-56 Primary inputs						
01-56 Total inputs						

## BUSINESS ACTIVITIES

This chapter is concerned with statistical information on business activities, including data on profit-seeking enterprises, new corporation registrations, business entities existing registrations, small and medium enterprises. All of the information except for profit-seeking enterprises is obtained from the *Economic Statistics Annual*, published by the Department of Statistics, Ministry of Economic Affairs. As for the profit-seeking enterprises, the information is contained in the *Monthly Statistics of Finance*, published by the Department of Statistics, Ministry of Finance.

A profit-seeking enterprise means the business owned by the private sector, government or jointly owned by both and managed in the manner of sole proprietorship, partnership or company organization for profit. And the related data are based on the tax declaration forms filled by taxpayers.

A small and medium enterprise refers to an enterprise that has completed company registration or business registration in accordance with the requirements of the law, and which conforms to the following criteria:

1. In the manufacturing, construction, mining and quarrying industries, a paid-in capital of NT\$80 million (US\$2.42 million) or less.
2. In the agriculture, forestry and fisheries, water, electricity and gas, commercial, transportation, warehousing and communications, finance, insurance and real estate, industrial and commercial services or social and personal services industries, sales revenue of NT\$100 million (US\$3.03 million) or less in the last year.

Table 106. Number and sales

End of year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufacturing	Electricity, gas & water	Construction	Trade	Accommodation & eating-drinking place	
<b>Numbers</b>									
2005	1 180 235	14 578	1 291	131 970	649	80 281	624 940	91 306	
2006	1 189 878	12 616	1 317	130 685	643	84 797	624 882	95 443	
2007	1 187 929	12 631	1 339	128 964	655	86 466	620 689	98 326	
<b>Sales amount</b>									
2005	34 334 325	34 082	51 990	11 195 078	489 003	1 768 238	12 348 128	298 707	
2006	34 604 715	32 848	53 702	12 045 202	567 879	1 790 149	12 055 691	321 758	
2007	36 066 702	33 761	53 931	13 300 433	622 580	1 843 747	12 536 305	323 757	
End of year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufacturing	Electricity, gas supply	Water supply & remediation services	Construction	Wholesale & retail trade	Transportation & storage
<b>Numbers</b>									
2008	1 178 882	12 098	1 322	129 956	370	6 585	84 563	616 187	30 426
2009	1 186 308	12 191	1 281	128 458	393	6 557	85 100	616 414	30 403
2010	1 214 339	12 240	1 250	130 210	415	6 798	88 699	626 753	30 418
2011	1 244 172	12 152	1 138	136 033	399	6 933	93 386	632 145	30 435
2012	1 268 909	12 233	1 122	137 482	442	7 063	97 113	639 173	30 547
<b>Sales amount</b>									
2008	35 409 929	30 436	59 117	13 111 206	656 148	168 802	1 868 471	12 438 393	1 003 176
2009	30 144 314	31 925	44 602	10 502 912	671 969	140 675	1 700 694	11 094 275	861 595
2010	36 371 205	39 132	48 273	13 474 671	757 289	175 761	1 977 409	13 232 810	1 081 059
2011	38 003 188	35 940	49 046	13 954 562	827 740	196 608	2 086 537	13 884 807	1 062 622
2012	37 748 019	36 881	45 052	14 000 075	892 924	185 033	2 101 004	13 510 120	1 066 634

Notes : Figures are based on the 6th revised edition of R.O.C Standard Industrial Classification on Taxation from 2008.

**of profit-seeking enterprises**

Transport storage & communication	Finance & insurance	Real estate & rental & leasing	Professional, science & technology	Education services	Health care & social welfare	Culture, sport & leisure services	other services	Other
31 483	17 970	24 825	43 022	297	362	25 960	84 102	7 199
31 211	18 347	25 981	42 807	366	360	28 389	86 462	5 572
30 871	18 981	26 631	43 046	460	368	25 741	88 150	4 611
(Million NT\$)								
1 335 423	4 161 351	684 385	873 496	4 114	5 141	268 311	470 433	346 444
1 279 394	3 781 603	798 582	909 385	4 026	2 387	259 800	488 602	213 706
1 275 813	3 313 678	891 283	965 512	4 196	2 545	267 314	453 519	178 327
Accommodation & food services	Information & communication	Finance & insurance	Real estate	Professional, scientific & technical services	Support services	Education	Arts, entertainment & recreation	Other services & non-classified
99 722	14 352	22 163	18 563	32 605	24 978	622	20 365	64 005
104 157	14 574	22 516	19 196	33 122	25 420	870	20 242	65 414
107 681	15 336	23 040	21 628	34 507	26 176	999	20 394	67 795
112 134	15 672	23 735	24 419	36 078	27 150	1 161	20 433	70 769
116 105	16 361	24 598	26 779	37 505	27 841	1 323	20 520	72 702
(Million NT\$)								
335 644	782 819	2 851 985	802 227	572 845	242 932	5 242	69 022	411 465
330 788	771 835	2 168 019	755 253	561 238	234 017	6 121	72 199	196 195
374 785	854 532	2 266 259	870 068	643 265	295 222	6 879	68 926	204 865
425 707	912 142	2 450 642	827 232	659 460	337 107	7 910	71 340	213 786
465 713	958 813	2 220 330	939 271	640 902	369 390	9 702	75 172	231 003

Table 107. Number of newly registered

Year	Total	Agriculture, forestry, fishing and animal husbandry	Mining & quarrying	Manufacturing	Electricity, gas & water	Construction	Trade	Accommodation & eating-drinking places
<b>Newly registered</b>								
2004	45 431	459	244	6 493	36	6 026	10 840	202
2005	45 080	520	223	6 189	45	5 226	9 902	176
2006	38 273	291	110	3 794	19	3 693	13 866	165
<b>Capital of newly registered</b>								
2004	248 176	1 821	1 488	35 666	124	25 037	27 497	1 366
2005	244 940	2 192	1 057	37 391	547	18 375	23 367	842
2006	229 052	1 038	584	23 201	1 301	14 917	46 797	670
Year	Total	Agriculture, forestry, fishing and animal husbandry	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Wholesale & retail trade
<b>Newly registered</b>								
2007	33 718	398	189	6 182	48	261	5 055	5 479
2008	30 201	358	165	5 140	70	223	4 307	4 589
2009	31 882	618	177	5 926	104	176	4 701	5 699
2010	36 197	810	217	8 146	134	207	5 963	6 694
2011	38 231	960	202	8 928	129	262	6 135	6 517
2012	37 094	1 071	207	8 038	216	218	5 968	6 099
<b>Capital of newly registered</b>								
2007	175 210	2 132	1 058	35 165	822	865	18 751	13 581
2008	245 752	1 245	876	32 216	747	752	11 474	9 212
2009	127 954	2 251	706	27 662	772	556	13 586	10 325
2010	190 377	3 119	1 029	40 978	1 907	465	16 561	13 014
2011	257 886	4 020	809	55 236	966	590	15 442	12 899
2012	228 189	3 595	986	31 490	2 757	1 966	17 059	13 567

Notes : Figures are based on the 9th revised edition of R.O.C Standard Industrial Classification System from 2012.

**corporations and its capital**

Transport, storage & communication	Finance , insurance	Real estate, rental & leasing	Professional, scientific & technical services	Educational services	Health care , social welfare services	Cultural, sporting & recreational services	Other services	Non-classified
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**corporations (Numbers)**

483	2 021	1 995	5 178	7	4	354	2 373	8 716
455	1 798	1 895	5 142	2	-	372	2 914	10 221
296	1 338	1 115	3 865	2	4	295	1 245	8 175

**corporations (Million NT\$)**

7 588	62 937	19 994	14 916	14	10	1 319	13 362	35 035
4 769	63 951	15 816	14 469	2	-	2 052	10 744	49 368
3 506	37 582	8 614	13 227	2	17	1 310	5 450	70 837

Transportation & storage	Accommodation & food services	Information & communication	Financial & insurance	Real estate	Professional, scientific & technical services	Support services	Arts, entertainment & recreation	Other services & not-classified
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**corporations (Numbers)**

308	238	1 329	2 086	1 796	4 293	675	122	5 259
270	180	1 161	1 847	1 359	2 694	669	79	7 090
347	276	1 461	1 773	1 601	3 541	826	205	4 451
399	356	1 754	2 149	2 471	4 515	1 004	245	1 133
407	449	1 713	2 438	2 882	4 718	1 084	247	1 160
477	470	1 647	2 753	2 670	4 807	1 151	216	1 086

**corporations (Million NT\$)**

3 920	712	3 598	47 613	13 749	12 930	3 204	773	16 337
6 189	497	2 556	136 651	12 026	5 931	3 265	400	21 714
3 299	1 347	3 205	28 743	12 788	6 687	3 430	876	11 721
4 876	1 493	4 107	64 720	21 913	9 395	4 073	408	2 319
2 996	1 468	4 452	116 779	22 168	10 439	4 112	2 684	2 828
4 821	1 549	3 542	45 619	18 925	9 821	69 387	1 046	2 060

Table 108. Number of business

Year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufacturing	Electricity, gas & water	Construction	Transport, storage & communica- tion	
1999	703 579	2 509	1 313	60 203	888	21 771	35 560	
2000	705 798	2 520	1 307	59 256	950	23 511	33 423	
2001	718 318	5 105	2 353	50 015	2 154	41 449	31 854	
2002	722 089	...	...	...	...	...	...	
2003	713 925	...	...	...	...	...	...	
2004	727 016	3 658	2 176	44 048	210	46 691	29 643	
2005	735 263	3 752	2 088	43 023	215	49 042	30 132	
2006	745 712	3 924	2 049	42 642	220	52 324	30 237	
Year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufactur- ing	Electricity & gas supply	Water supply & remediation services	Construction	Accommodation & food services
2007	745 120	3 744	2 038	42 070	165	2 485	54 228	45 768
2008	744 262	3 883	1 995	41 585	155	2 747	55 667	46 346
2009	753 448	4 090	1 955	41 493	158	2 854	56 965	50 573
2010	759 082	4 264	1 939	41 816	167	3 010	58 771	53 366
2011	770 194	4 501	1 902	42 783	169	3 199	60 637	56 204
2012	781 943	4 866	1 889	43 708	177	3 355	62 573	58 393

Notes: <sup>1</sup> Data referred to Trade and eating-drinking places before 2001.

<sup>2</sup> Data referred to finance, insurance, real estate services and business services before 1997, from year 1998 to 2001 it referred to finance, insurance and real estate services.

<sup>3</sup> Data included business services before 1998.

Figures are based on the 9th revised edition of R.O.C Standard Industrial Classification System from 2012.



## entities existing registered

Numbers

Trade <sup>1</sup>	Accommodation & eating-drinking places	Finance, insurance <sup>2</sup>	Real estate, rental & leasing	Professional, scientific & technical services	Educational services	Health care, social welfare services	Cultural, sporting & recreational services	Other services <sup>3</sup>
475 735		14 569		...	...	...	...	91 031
476 142		12 214		...	...	...	...	96 475
484 801		4 553		...	...	...	...	96 034
...			...	...	...	...	...	...
...			...	...	...	...	...	...
457 612	40 247	2 557	11 286	15 685	65	2	13 650	59 486
458 769	42 106	2 586	11 543	15 827	81	5	15 277	60 817
459 855	44 022	2 647	11 679	15 760	65	4	18 538	61 551
Wholesale & retail trade	Transportation & storage	Information & communication	Financial & insurance	Real estate	Professional, scientific & technical services	Support services	Arts, entertainment & recreation	Other services
457 905	29 849	5 549	2 613	2 330	13 549	19 418	14 126	49 283
454 814	29 850	5 508	2 585	2 368	13 601	19 748	14 290	49 120
456 692	29 376	5 477	2 501	2 470	13 900	20 065	14 433	50 446
455 828	28 974	5 530	2 498	2 611	13 853	20 590	14 594	51 271
459 040	27 640	5 602	2 525	2 843	14 172	20 946	14 704	53 327
463 014	27 158	5 673	2 550	2 985	14 408	21 654	14 870	54 670

**Table 109. Number of small**

Year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufacturing	Electricity, gas & water	Construction	Transport, storage & communication	
1999	1 060 738	12 823	1 392	142 686	624	74 282	32 415	
2000	1 070 310	10 686	1 362	141 340	629	77 093	31 441	
2001	1 078 162	10 622	1 307	137 551	690	76 670	31 530	
2002	1 104 706	10 649	1 350	133 684	1 131	75 840	31 104	
2003	1 146 352	10 718	1 393	133 560	593	75 861	44 721	
2004	1 164 009	10 650	1 381	132 840	520	79 312	40 385	
2005	1 226 095	11 099	1 410	134 172	522	86 001	36 898	
2006	1 244 099	10 949	1 437	132 354	494	91 290	35 186	
Year	Total	Agriculture, forestry, fishing & animal husbandry	Mining & quarrying	Manufacturing	Electricity & gas supply	Water supply & remediation services	Construction	Accommodation & food services
2007	1 236 586	10 784	1 485	133 312	248	6 539	90 269	108 801
2008	1 234 749	10 974	1 455	131 829	266	6 691	92 272	110 182
2009	1 232 025	11 129	1 403	130 017	278	6 785	92 507	113 447
2010	1 247 998	11 344	1 370	129 983	293	6 894	94 415	117 207
2011	1 279 784	11 568	1 245	135 768	294	6 930	98 988	122 862
2012	1 302 351	11 817	1 203	132 717	320	7 127	103 136	126 513

Notes: <sup>1</sup> Data referred to Trade and eating-drinking places before 2002.

<sup>2</sup> Data referred to finance, insurance and real estate services before 2002.

Figures are based on the 8th revised edition of R.O.C Standard Industrial Classification System from 2007.

**and medium enterprises**

Trade <sup>1</sup>	Accommodation & eating-drinking places	Finance , insurance <sup>2</sup>	Real estate, rental & leasing	Professional, scientific & technical services	Educational services	Health care, social welfare services	Cultural, sporting & recreational services	Other services
642 196		19 362		...	...	...	...	134 958
646 312		19 163		...	...	...	...	142 284
651 841		18 967		...	...	...	...	148 984
674 364		21 585		...	...	...	...	154 999
611 339	85 061	10 513	22 803	44 298	459	367	26 612	78 054
619 525	91 252	10 240	23 773	44 867	403	257	27 654	80 950
651 590	102 096	11 263	25 827	46 352	430	375	28 779	89 281
657 583	107 205	10 916	27 035	46 331	482	360	29 793	92 684
Wholesale & retail trade	Transportation & storage	Information & communication	Financial & insurance	Real estate	Professional, scientific & technical services	Support services	Arts, entertainment & recreation	Other services
654 091	30 807	15 282	13 597	18 683	35 191	26 211	23 108	68 178
648 376	30 586	15 253	13 646	19 638	35 301	26 822	22 955	68 503
642 235	30 329	15 360	14 102	20 092	35 397	27 147	22 487	69 310
646 101	30 181	15 862	14 035	21 975	36 505	27 683	22 301	71 849
651 955	30 405	16 201	13 918	25 108	38 054	28 750	22 579	75 159
661 297	30 666	16 901	14 166	27 182	39 603	29 631	22 411	77 661



## AGRICULTURE, FORESTRY AND FISHING

This chapter is concerned with information on agriculture, forestry, fisheries, and livestock husbandry. All data on agriculture, forestry and fishing are obtained from the *Agricultural Statistics Yearbook*, the *Fisheries Statistical Yearbook*, and the *Food Supply and Utilization Yearbook* all published by Council of Agriculture, Executive Yuan. Data on agricultural employees are from the *Yearbook of Manpower Survey Statistics*, published by Directorate-General of Budget, Accounting and Statistics, Executive Yuan.

The scope of agricultural production reporting system cover all agricultural products produced in Taiwan Area except sheep, horses and deer. Production does not include intermediate inputs, consumption or waste. The productions of principal products are all reported. For by-products only productions of forestry are reported. From the reported data, the Council of Agriculture picks out a number of representative products for calculation of the agricultural production index which adopts the Laspeyres fixed base weighted formula, with the weights being the prices of farm products prevailing in the base year. In shifting the base year, the Fisher Ideal formula are 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 feeds in the crop sector. Animal feeds are included in the livestock and fisheries production.

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

Table 110. Indices of agricultural,

2011=100

Year	General index	Agricultural products								
		Group index	Common crops			Special crops	Fruits	Vegetables	Mushrooms	Flowers
			Sub-group index	Rice	Coarse Grain					
1983	91.64	111.86	183.37	189.00	170.69	144.71	58.87	111.64	787.47	13.64
1984	94.48	112.60	168.12	170.67	173.06	153.53	65.56	124.54	826.07	18.00
1985	97.37	113.46	165.39	165.32	186.35	160.77	70.76	121.34	830.04	21.66
1986	97.05	107.57	154.76	150.01	199.52	150.77	68.45	113.51	765.80	24.38
1987	104.79	112.05	153.50	144.50	220.10	155.11	78.02	118.09	630.63	30.87
1988	106.42	113.58	148.54	140.34	210.41	171.14	84.27	112.88	454.04	37.15
1989	106.21	113.03	147.17	141.83	193.94	171.76	88.30	105.83	379.46	38.09
1990	108.58	108.01	145.59	137.45	206.64	158.78	83.37	97.08	274.31	45.90
1991	110.13	110.76	146.33	138.47	206.68	157.11	87.71	102.66	223.01	49.08
1992	107.54	106.17	134.05	123.94	207.21	158.08	80.78	102.74	161.13	59.01
1993	114.03	113.40	143.24	133.83	212.79	164.00	91.48	103.38	113.95	70.26
1994	110.54	109.42	133.73	123.52	207.21	171.72	88.80	92.59	98.96	80.50
1995	114.67	111.62	133.02	124.16	198.26	171.95	88.77	101.00	82.44	88.65
1996	114.84	111.31	125.51	115.69	196.52	169.19	89.54	109.51	103.77	84.91
1997	113.35	113.09	128.33	122.35	173.06	166.58	94.25	107.32	120.40	89.68
1998	107.13	103.74	113.83	111.30	134.24	165.48	81.93	101.49	93.54	85.59
1999	108.35	110.78	115.14	114.79	120.80	156.52	93.09	120.13	78.47	89.15
2000	110.74	105.60	112.88	114.21	106.80	155.28	84.40	112.21	84.94	90.24
2001	109.38	101.03	102.05	103.21	96.87	141.07	88.20	106.04	104.47	85.24
2002	113.87	106.59	109.65	108.10	115.98	137.07	92.55	118.14	98.24	87.71
2003	114.04	103.77	101.11	98.85	110.46	138.20	97.31	107.07	97.71	88.22
2004	109.22	98.63	88.30	85.97	97.97	121.69	95.79	106.88	104.37	90.32
2005	102.95	89.27	88.36	87.88	90.16	111.10	82.64	91.83	97.75	83.34
2006	103.72	97.70	95.36	93.41	103.39	113.34	95.38	98.39	99.65	93.84
2007	101.23	91.37	82.03	81.63	83.65	105.22	95.21	89.16	89.99	92.24
2008	96.10	90.85	87.41	87.34	87.69	109.63	89.29	90.15	90.26	88.10
2009	94.40	91.71	94.67	94.66	94.68	106.70	86.39	91.56	85.85	91.45
2010	96.42	94.18	88.81	87.00	96.28	104.14	95.26	94.08	94.76	93.22
2011	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2012	98.27	95.86	100.58	102.03	94.34	92.77	95.37	92.10	110.82	96.62

Notes : Data do not include Kinmen County and Lienchiang County before 2009.

**forestry and fishery production**

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 fisheries	Aquaculture fisheries
1 235.14	6 360.45	222.66	63.06	76.77	45.51	102.48	52.86	325.55	166.15	102.92
1 067.53	5 429.99	206.59	66.72	84.70	45.96	108.68	60.48	330.37	181.28	104.98
961.05	4 874.05	189.06	71.27	96.17	45.48	113.33	66.44	325.66	195.23	108.02
1 064.86	5 244.85	249.49	73.67	100.52	46.18	120.16	74.77	298.18	208.47	118.81
987.46	4 292.90	318.64	80.30	108.54	51.07	136.43	87.75	311.45	199.68	139.21
640.10	2 368.59	269.87	80.99	105.48	54.29	141.99	106.00	309.14	184.34	130.89
452.15	1 401.93	232.18	84.94	106.14	60.07	134.92	111.41	316.82	183.16	105.51
386.86	879.57	247.59	91.35	116.79	62.77	143.34	117.68	254.53	176.55	131.42
362.26	573.81	288.95	99.53	130.38	65.60	132.61	108.49	241.23	145.91	123.46
218.64	703.80	107.76	101.93	130.24	71.18	127.92	111.17	241.41	149.44	107.78
228.24	505.86	155.17	106.38	131.28	80.01	135.94	135.09	217.98	137.36	107.53
172.29	373.05	118.79	112.40	139.17	84.01	119.88	109.60	202.79	126.96	102.66
201.10	525.34	121.91	118.05	142.57	92.60	124.89	115.41	216.94	147.69	102.27
165.67	431.44	101.74	122.82	146.79	98.31	119.05	111.12	203.19	132.78	98.45
186.34	448.26	122.80	113.69	119.09	108.14	121.38	124.79	194.58	132.84	90.07
236.03	456.07	180.80	105.29	103.12	107.46	121.51	133.64	165.70	146.56	85.63
198.37	259.42	179.93	101.47	95.08	107.94	118.98	133.49	158.57	134.59	82.49
195.70	86.40	215.83	107.25	106.47	108.02	130.09	137.40	163.91	160.29	101.40
162.04	114.68	167.89	107.58	111.23	104.54	132.28	138.42	162.69	171.65	109.01
180.76	171.41	175.11	105.57	107.39	104.01	143.04	145.19	175.66	177.26	124.92
196.85	101.64	214.51	103.46	103.24	103.54	153.17	157.74	166.81	216.73	134.40
196.49	135.24	204.67	103.32	103.86	102.80	142.26	145.47	159.60	200.49	124.91
153.67	188.62	136.84	100.28	105.39	96.08	139.34	141.68	163.53	184.23	122.49
171.14	263.99	137.27	102.85	107.61	98.94	119.83	117.79	123.29	187.76	113.13
117.27	112.06	119.18	100.35	105.67	95.97	126.71	130.82	107.21	182.33	120.09
108.49	120.70	104.05	95.87	99.66	92.76	109.47	101.87	97.28	161.89	117.29
110.29	105.99	111.86	95.50	99.12	92.52	99.65	95.51	101.12	154.86	98.04
101.28	77.11	110.12	96.78	97.76	95.97	101.43	100.24	86.34	119.56	105.51
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
103.60	146.52	91.27	98.58	101.48	95.97	102.68	106.35	95.56	116.21	99.46

Table 111. Quantity of major

Item	2003	2004	2005	2006
Crop production				
Paddy rice	1 648 275	1 433 611	1 467 138	1 558 048
Coarse grain				
Feed corn	53 134	45 631	41 820	37 358
Food corn	114 775	98 666	91 653	91 075
Sweet potato	199 800	175 421	213 991	235 203
Peanut	73 462	68 302	53 948	71 561
Sorghum	17 542	12 826	8 325	4 732
Adzuki bean	7 389	6 458	4 850	7 831
Soybean	341	280	213	187
Special crops				
Sugar-cane (refined)	1 695 679	1 129 385	875 458	651 041
Sugar-cane (fresh)	108 623	65 661	64 754	63 216
Tea	20 675	20 192	18 803	19 345
Tobacco	5 243	5 490	2 743	2 193
Sesame	594	458	451	571
Vegetables				
Radishes	120 704	125 879	132 390	116 416
Scallion	132 672	125 707	91 696	102 577
Garlic bulb	46 765	58 054	55 622	43 843
Water bamboo	42 130	42 136	45 801	46 265
Bamboo shoot	345 107	310 300	232 856	313 356
Cabbage	299 409	319 671	316 115	355 072
Watermelon	335 919	314 945	212 488	236 322
Cantaloupe	85 485	78 797	60 307	73 727
Mildew				
Mushroom	4 883	5 643	5 117	4 663
Shiitake	4 537	4 823	4 526	4 643
Fruits				
Banana	223 061	189 900	148 715	214 277
Pineapple	447 807	458 499	439 872	491 588
Ponkan	105 370	107 143	93 207	110 645
Wentan pomelo	88 575	87 362	69 830	73 571
Liucheng	204 575	211 409	193 847	228 225
Longan	134 583	102 337	102 790	102 693
Mango	220 513	182 196	149 996	191 332

Notes : Data do not include Kinmen County and Lienchiang County before 2009.



**agricultural production**

Metric tons

2007	2008	2009	2010	2011	2012
1 363 458	1 457 175	1 578 169	1 451 011	1 666 273	1 700 229
33 885	37 290	45 981	34 551	35 097	29 825
84 985	80 807	87 579	81 237	88 135	75 359
200 087	212 816	229 038	209 191	205 868	220 514
51 885	55 075	56 941	65 036	68 231	56 845
4 895	2 532	719	4 411	3 416	3 564
6 056	7 013	8 550	8 693	11 498	10 698
147	141	220	204	105	159
720 874	707 102	613 228	665 359	653 952	548 455
60 043	58 400	51 044	47 124	34 608	29 062
17 502	17 384	16 780	17 467	17 310	14 902
1 672	1 725	1 928	1 753	1 737	1 642
313	408	948	947	770	620
110 856	118 720	101 585	95 113	100 996	81 483
97 920	95 124	111 347	111 205	105 826	97 482
43 840	54 508	49 600	44 916	63 939	46 759
44 291	46 295	46 169	46 403	45 353	41 644
291 709	255 046	251 994	292 209	294 938	278 903
318 717	348 818	346 297	329 149	367 307	341 279
220 773	203 275	217 619	225 925	246 643	243 067
50 702	48 423	40 421	41 156	44 459	37 136
4 304	3 951	3 898	3 149	4 097	3 439
4 184	4 233	4 012	4 540	4 716	5 334
241 729	207 702	172 550	287 895	305 740	295 265
476 811	452 060	434 769	420 172	401 367	392 211
89 727	100 689	98 179	102 341	142 369	135 796
63 711	68 061	70 150	88 100	69 668	70 465
192 910	254 125	231 549	185 289	178 829	162 345
108 612	101 909	82 602	100 436	112 156	94 391
215 292	176 716	140 290	135 293	169 380	167 247

Table 111. Quantity of major

Item	2003	2004	2005	2006
Betel nut	159 584	143 368	138 095	141 563
Guava	198 408	184 738	137 166	170 169
Wax apple	92 658	68 687	84 991	69 234
Grape	92 122	97 884	71 105	102 291
Plum	34 724	35 321	29 202	26 297
Japanese apricot	53 874	57 009	45 937	48 001
Lichee	104 186	82 107	70 537	84 652
Pear	122 138	124 873	113 183	126 628
Papaya	144 559	133 620	88 475	129 283
Sugar apple	48 339	89 189	75 554	85 005
Forestry				
Timber (M <sup>3</sup> )	41 147	40 041	44 116	36 233
Saw-timber	26 098	30 372	31 389	26 979
Firewood	14 995	9 642	12 675	9 224
Tree top wood	55	27	53	31
Bamboo (1 000 pieces)	665	574	673	544
Fishery				
Deep-sea fishery	877 663	677 703	752 118	757 896
Inshore fishery	192 681	196 820	200 730	154 015
Coastal fishery	63 430	56 070	52 779	54 226
Mariculture	34 386	28 094	34 746	34 411
Inland water fishing	475	255	207	155
Inland water culture	330 348	299 066	272 270	281 575
Livestock				
Cattle (Carcass weight)	5 523	5 120	6 048	5 626
Hogs (Carcass weight)	892 835	898 208	911 449	930 609
Goats (Carcass weight)	2 900	2 781	3 234	3 896
Chicken (Carcass weight)	596 584	600 905	555 340	565 779
Duck (Carcass weight)	58 607	61 218	71 483	74 809
Geese (Carcass weight)	25 447	25 998	23 508	24 742
Cow milk	354 421	322 660	303 496	323 165
Honey	5 935	4 987	6 327	4 978
Hen egg (1 000 pieces)	7 018 647	6 998 992	6 452 885	6 620 415
Duck egg (1 000 pieces)	477 041	417 126	487 549	466 232

**agricultural production(continued)**

Metric tons

2007	2008	2009	2010	2011 <sup>r</sup>	2012
134 497	144 195	142 636	131 737	129 316	124 091
131 703	141 065	135 303	167 009	168 848	181 178
82 223	63 902	43 693	59 675	78 109	81 667
90 081	84 656	98 091	102 831	107 280	99 967
25 830	23 001	22 899	24 826	23 656	22 744
37 834	35 812	46 890	49 695	42 010	31 880
99 721	79 565	95 440	89 440	90 471	81 143
150 429	138 381	153 450	174 858	150 013	137 911
92 914	94 359	82 878	129 322	151 183	132 763
78 830	67 749	70 370	64 243	59 739	49 864
35 161	31 231	27 891	19 468	24 213	27 481
26 441	25 135	25 176	19 131	23 273	24 898
7 186	6 059	2 624	296	740	2 542
1 533	37	90	41	200	40
825	2 430	3 251	3 261	1 881	1 742
988 617	828 427	614 614	688 288	702 133	726 775
134 619	132 594	145 596	128 289	163 579	148 279
54 110	47 366	45 732	34 731	28 117	33 027
34 888	37 765	26 760	41 410	38 098	30 390
241	198	132	77	69	66
289 899	292 940	254 980	274 286	290 660	317 543
5 480	5 683	6 099	6 343	6 169	6 187
913 824	861 836	857 155	845 464	864 792	877 628
3 548	3 183	3 000	2 694	2 438	2 294
549 450	522 821	542 191	558 197	589 462	544 326
77 656	68 770	63 318	67 142	67 556	63 952
21 628	18 962	16 915	18 505	20 200	19 961
322 220	315 559	321 781	336 036	350 894	348 489
3 220	7 219	5 367	8 149	15 089	14 203
6 659 584	6 469 671	6 431 571	6 728 450	6 680 044	6 770 183
507 328	483 878	442 355	483 822	469 955	466 748

Table 112. Value of major

Item	2003	2004	2005	2006
Total farm production	357 884 755	386 444 326	382 726 113	376 993 825
Crop production	147 274 670	162 300 578	162 630 935	172 691 533
Paddy rice	28 341 530	27 510 620	28 139 682	29 379 921
Coarse grain	7 530 270	7 778 155	7 458 138	7 998 832
Feed corn	772 511	684 460	627 307	560 363
Food corn	1 216 619	1 134 660	1 201 570	1 133 884
Sweet potato	1 618 381	2 368 183	2 599 989	2 441 407
Peanuts	3 276 397	2 971 116	2 478 388	3 324 721
Sorghum	245 589	179 570	116 553	66 252
Adzuki bean	329 547	374 576	371 663	411 847
Soybeans	8 527	7 011	5 328	4 672
Special crop	7 570 335	7 116 479	7 420 437	8 117 544
Sugar-cane (refined)	1 205 967	923 837	655 805	576 237
Sugar-cane (fresh)	766 880	543 014	674 735	677 675
Tea	2 997 869	3 028 748	3 760 540	4 352 679
Tobacco	871 664	911 272	455 254	370 599
Sesame	81 230	65 641	67 901	87 654
Vegetables	34 643 006	40 728 442	42 625 447	44 027 684
Radishes	805 093	887 448	979 684	841 687
Scallion	1 724 735	2 338 144	4 749 871	4 256 938
Garlic bulb	1 777 085	1 792 128	1 529 610	1 972 940
Water bamboo	1 137 506	1 295 269	1 488 546	1 427 278
Bamboo shoot	3 278 519	3 258 146	3 213 410	4 230 301
Cabbage	1 946 159	2 557 365	2 845 032	3 082 021
Watermelon	3 359 187	3 306 918	2 443 611	2 481 386
Cantaloupe	1 957 596	2 250 429	1 728 389	1 913 219
Mildew	2 777 719	2 986 614	2 857 846	2 980 841
Mushroom	146 504	253 934	276 326	264 410
Shiitake	2 631 216	2 732 679	2 581 519	2 716 432
Fruits	55 232 236	63 654 193	62 300 900	67 665 646
Banana	2 027 628	3 015 618	3 271 740	3 749 844
Pineapple	6 654 407	7 730 286	7 697 767	8 356 999
Ponkan	1 791 283	2 222 145	2 003 960	2 268 213
Wentan pomelo	1 284 345	1 498 255	1 850 496	1 986 418
Liucheng	2 045 746	2 008 388	1 977 240	2 168 139
Longan	2 355 206	2 687 361	2 816 447	2 875 406
Mango	4 961 546	5 903 157	6 074 843	6 400 061

Notes : Data do not include Kinmen County and Lienchiang County before 2009.

**agricultural production**

Thousand NT\$

2007	2008	2009	2010	2011 <sup>r</sup>	2012
389 129 225	417 500 509	407 169 198	426 913 229	475 897 089	477 912 918
168 368 459	179 108 002	178 817 249	188 796 791	210 011 891	222 909 396
26 091 341	31 362 747	33 775 015	30 355 766	38 145 866	39 746 469
6 274 954	7 307 213	7 566 855	8 471 371	9 036 146	8 561 463
508 274	559 343	689 718	518 262	526 461	565 726
1 110 750	1 171 698	1 138 524	1 031 716	1 198 641	1 216 293
2 000 871	2 553 790	2 336 188	2 384 772	3 069 487	3 395 916
2 101 358	2 464 073	2 762 760	3 467 744	3 159 771	2 491 497
68 525	35 442	10 073	108 680	88 174	92 516
426 942	460 430	567 899	737 962	804 959	515 131
3 687	3 517	5 489	5 092	2 618	3 981
7 879 550	8 284 282	8 416 737	10 537 316	12 237 649	12 169 050
554 713	546 763	585 018	794 306	839 674	630 723
531 977	501 659	476 754	408 093	322 543	297 299
4 499 869	4 844 785	4 906 438	6 410 527	6 894 424	6 735 506
299 736	321 918	378 684	354 166	347 379	332 751
53 449	81 771	168 784	152 833	175 170	136 008
46 971 791	48 514 048	47 568 073	51 087 595	55 646 218	61 545 259
942 273	949 756	731 414	746 634	641 325	733 347
3 720 957	4 044 663	2 895 013	2 946 943	2 999 101	4 386 706
2 126 233	2 111 081	2 231 998	3 144 130	2 367 004	2 524 988
1 660 924	1 851 783	1 823 683	1 948 911	2 083 534	1 998 925
5 950 859	6 223 127	6 904 640	7 725 999	7 992 818	7 471 248
3 489 946	3 374 816	3 289 823	3 097 297	3 460 109	5 155 979
2 649 278	2 540 941	2 437 337	2 485 170	2 843 300	3 159 871
1 368 948	1 346 172	1 131 789	1 234 681	1 481 827	1 290 118
3 191 408	3 662 672	3 542 048	4 090 987	4 841 117	5 588 562
279 738	276 568	292 353	245 638	378 711	329 041
2 911 670	3 386 104	3 249 695	3 845 349	4 462 406	5 259 521
65 595 349	68 146 840	65 707 329	70 969 743	74 368 402	79 139 070
3 299 602	4 536 205	4 400 020	3 978 714	4 601 381	5 642 506
6 675 357	6 498 808	6 238 070	7 042 078	6 742 965	7 220 603
2 023 342	2 114 469	2 061 756	2 190 094	2 542 709	2 839 494
1 857 819	1 633 471	1 936 130	2 202 493	1 793 245	1 966 680
2 015 906	2 287 126	2 315 485	2 012 233	2 097 659	2 391 344
2 769 603	3 169 370	2 663 917	2 533 998	2 595 296	2 781 715
6 792 447	6 626 867	5 064 466	5 032 899	6 478 771	7 016 029

Table 112. Value of major

Item	2003	2004	2005	2006
Betel nuts	12 926 283	11 512 433	10 080 945	9 838 625
Guava	1 785 668	2 032 113	2 098 646	2 416 396
Wax apple	2 038 477	2 094 944	2 702 705	2 270 869
Grape	2 505 728	2 956 107	2 538 435	3 833 885
Plum	590 314	661 555	598 640	512 783
Japanese apricot	1 077 480	1 225 701	813 996	904 343
Lichee	1 719 070	2 221 825	2 274 826	2 581 886
Pear	3 236 646	4 058 360	3 904 824	4 033 099
Papaya	1 156 470	1 536 628	1 486 386	2 094 379
Sugar apple	1 426 013	2 809 450	2 531 049	2 720 159
Forestry	579 935	523 844	614 203	518 773
Timber	99 768	123 024	175 359	227 971
Saw-timber	78 091	108 046	155 110	213 967
Firewood	21 593	14 937	20 168	13 957
Tree top wood	84	41	81	47
Bamboo	4 984	4 363	5 247	4 241
Fishery	97 437 860	98 700 494	92 811 267	85 658 209
Deep-sea fishery	47 201 835	46 983 079	43 602 060	41 419 202
Inshore fishery	12 628 769	13 397 416	12 634 600	9 679 224
Coastal fishery	5 935 759	6 747 529	5 295 572	5 931 433
Mariculture	4 343 792	3 326 110	3 980 526	4 063 897
Inland water fishing	29 545	14 960	13 538	7 709
Inland water aquaculture	27 298 160	28 231 400	27 284 971	24 556 743
Livestock	112 592 290	124 919 410	126 669 708	118 125 310
Cattle	1 329 068	1 413 148	1 688 140	1 574 074
Hogs	57 487 739	64 366 131	58 811 138	55 476 552
Goats, sheep	995 632	1 211 393	1 239 851	1 162 570
Chicken	25 033 246	29 771 472	34 014 012	30 508 520
Duck	2 897 276	3 520 105	5 090 467	4 691 446
Geese	1 877 289	2 367 641	2 037 340	1 870 766
Cow milk	7 534 983	6 446 753	6 030 475	6 637 805
Honey	741 863	623 378	822 464	647 088
Hen egg	11 180 705	11 618 327	13 099 355	12 174 944
Duck egg	1 258 196	1 259 721	1 452 895	1 193 555

**agricultural production (continued)**

Thousand NT\$

2007	2008	2009	2010	2011 <sup>f</sup>	2012
8 599 766	8 651 698	8 387 007	8 288 370	8 082 247	8 065 946
2 225 783	2 778 974	2 739 882	3 273 377	3 098 370	3 819 233
2 664 019	2 492 179	1 802 354	2 876 325	3 104 844	3 266 661
3 738 353	3 809 507	4 311 093	4 414 535	4 655 962	4 575 507
542 430	690 034	572 463	571 004	558 271	545 857
818 730	799 320	761 501	873 141	861 615	556 941
2 941 758	2 896 173	3 113 723	2 987 310	3 184 568	3 278 167
4 700 904	4 822 569	5 079 179	6 120 022	5 760 495	5 981 216
1 951 197	2 358 977	2 187 968	2 883 879	2 846 783	3 057 530
2 916 713	2 879 343	2 885 177	2 762 431	2 759 936	2 516 130
492 622	445 114	416 165	390 062	388 278	374 936
104 457	109 667	90 733	61 622	87 943	132 809
90 830	100 653	86 923	61 174	86 621	129 043
11 262	8 956	3 665	381	992	3 701
2 364	59	145	67	330	66
6 514	19 925	26 336	26 742	15 614	14 805
95 578 086	91 843 193	85 901 383	92 499 034	106 321 684	106 174 291
48 659 903	43 706 858	39 926 218	43 319 996	47 531 566	50 139 586
8 602 557	9 376 801	10 738 745	8 924 129	12 726 058	13 730 358
5 478 128	5 069 824	5 325 900	3 596 694	3 594 362	4 395 228
4 587 107	4 300 366	2 802 461	5 953 314	6 079 394	4 247 021
14 838	16 123	7 887	5 591	6 173	5 519
28 235 553	29 373 221	27 100 173	30 699 310	36 384 131	33 656 579
124 690 058	146 104 200	142 034 401	145 227 341	159 175 237	148 454 295
1 597 305	1 398 365	1 457 356	1 590 984	1 813 420	1 989 840
57 003 312	68 596 020	65 897 983	70 701 364	75 158 291	66 752 941
836 828	875 185	838 216	951 360	948 199	1 156 682
32 825 003	37 727 084	36 900 515	36 691 826	41 959 469	37 457 720
5 082 438	5 470 791	5 281 557	5 344 711	5 646 098	5 225 385
1 903 568	2 201 904	1 920 401	2 056 010	2 017 349	2 275 276
7 024 399	7 121 227	7 304 434	8 138 802	9 056 576	9 102 535
418 661	613 615	456 195	682 650	1 297 110	1 042 965
14 184 915	18 179 776	18 329 978	15 340 866	17 234 514	19 362 724
1 567 644	1 804 865	1 627 866	1 577 260	1 734 134	1 810 983

**Table 113. Production and consumption**

Item	2003	2004	2005	2006
Production, total	1 209 519	1 382 480	1 405 632	1 443 570
Calcium superphosphate	184 361	165 036	169 934	200 885
Ammonium sulphate	316 194	527 278	531 237	493 177
Urea	-	-	-	-
Potassium chloride	-	-	-	-
Calcium ammonium nitrate	2 000	-	-	-
Combined fertilizers	604 547	610 114	625 743	648 804
Others	102 417	80 052	78 718	100 704
Consumption, total	1 143 355	1 195 465	1 141 483	1 159 310
Calcium superphosphate	135 470	117 192	105 458	120 807
Ammonium sulphate	186 731	232 652	240 192	218 215
Urea	112 438	113 914	84 968	81 093
Potassium chloride	38 702	43 180	29 833	31 842
Calcium ammonium nitrate	6 630	6 836	6 360	8 606
Combined fertilizers	624 439	646 088	636 019	677 338
Others	38 945	35 603	38 653	21 409

**Table 114. Farm**

Item	2003	2004	2005	2006
Power tiller	49 864	46 547	44 321	42 770
Tractor	14 857	14 738	15 043	15 778
Power rice trans-planter	23 497	21 724	19 488	19 174
Power cultivated for paddy	35 056	42 839	33 879	33 853
Power grass cutter	50 434	49 373	48 570	48 864
Power sprayers	85 725	79 329	82 622	78 674
High quality power sprayers	26 713	29 422	25 260	25 671
Water pump	105 533	94 084	102 167	90 531
Rice combiner	9 526	8 974	8 401	9 422
Corn thresher	1 052	1 057	980	1 534
Tractor mounted seeder	737	717	748	813
Power tiller mounted seeder	1 919	1 787	1 897	1 978
Power agronomic transporter	40 987	40 607	38 621	38 537
Power tea harvester	5 839	5 859	6 105	5 733
Tobacco drier	3 532	2 989	2 964	3 344
Rice drier	31 077	28 177	25 729	26 127
Corn drier	834	1 122	1 138	878

Notes : Data do not include Kinmen County and Lienchiang County before 2009.



**of chemical fertilizers**

Metric tons

2007	2008	2009	2010	2011 <sup>r</sup>	2012
1 416 520	1 426 451	1 326 038	1 352 858	1 463 569	1 417 442
186 290	264 616	160 778	201 276	179 274	169 966
496 472	456 271	445 372	501 210	474 325	500 702
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	282	126	-
629 109	589 092	643 528	534 644	703 486	615 992
104 649	116 472	76 360	115 446	106 358	130 782
1 137 444	1 013 714	1 042 231	1 030 819	1 008 025	1 010 722
113 453	85 924	76 868	74 283	68 614	63 284
226 243	185 123	195 301	180 802	158 733	144 802
78 358	77 478	75 636	73 420	71 966	74 931
30 969	27 629	30 244	30 210	30 909	27 565
6 691	2 591	1 019	523	438	264
659 178	627 140	652 013	661 124	653 388	679 091
22 552	7 829	11 150	10 457	23 977	20 785

**machine**

Numbers

2007	2008	2009	2010	2011	2012
40 997	33 379	31 773	31 266	27 824	21 861
15 624	15 444	15 231	16 415	18 233	16 379
17 683	15 166	14 619	14 545	15 366	8 018
33 250	32 029	27 853	28 002	29 485	22 192
47 353	47 225	41 370	41 663	40 529	36 227
76 043	73 587	69 380	55 306	54 689	43 549
26 419	25 784	23 734	19 919	22 627	13 176
90 635	83 822	70 747	91 927	60 233	35 901
8 030	7 190	6 547	6 060	6 177	4 139
1 032	648	379	318	356	132
890	725	689	797	741	195
1 784	1 339	761	920	815	221
39 037	38 353	35 196	29 864	37 012	27 375
4 332	4 343	3 850	4 611	3 459	1 511
2 743	1 333	2 945	1 562	1 739	1 564
26 211	18 520	12 939	9 525	10 846	12 798
948	910	910	4 297	2 398	863

Table 115. Agricultural household,

Item	2003	2004	2005	2006
Number of farm households				
by degree of engagement <sup>1</sup>	755 454	759 716	767 316	756 366
Full-time	207 739	186 869	166 056	166 439
Part-time	547 715	572 847	601 260	589 927
Full-owner farmers	642 649	643 731	671 740	655 830
Part-owner farmers	75 580	80 992	52 517	60 211
Tenants	32 168	30 037	39 074	36 412
Non-tilling farmers	5 057	4 956	3 985	3 913
Farm household population <sup>1</sup>	3 528 331	3 392 676	3 400 036	3 232 592
Number of fishery households <sup>2</sup>	132 238	132 832	131 020	125 328
Deep-sea	5 477	5 568	5 767	5 898
Inshore	31 456	31 075	31 569	28 119
Coastal	51 202	52 376	52 892	51 996
Mariculture	4 206	6 334	6 790	5 812
Inland water fishing	4 216	4 038	2 287	2 461
Inland water culture	35 681	33 441	31 715	31 042
Fishery household population <sup>2</sup>	494 871	457 040	445 693	421 253
Deep-sea	20 884	19 527	20 972	21 369
Inshore	109 646	105 562	102 077	89 796
Coastal	205 729	184 037	176 713	176 029
Mariculture	22 095	23 590	25 711	22 834
Inland water fishing	7 190	6 722	7 201	6 842
Inland water culture	129 327	117 602	113 019	104 383
Agricultural employed population <sup>1</sup> (1 000 persons)	696	642	591	555
Farming and hunting	629	588	535	500
Forestry	5	4	5	5
Fishery	62	50	51	50

Notes : <sup>1</sup> Data do not include Kinmen County and Lienchiang County

<sup>2</sup> Data do not include Kinmen County and Lienchiang County before 2009

**population and employment**

Numbers

2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
751 338	748 276	744 147	776 724	777 473	...
161 817	162 880	163 239	188 871	194 827	...
589 521	585 396	580 908	587 853	582 646	...
648 813	644 901	631 880	673 944	670 143	...
74 789	70 777	80 359	54 633	62 278	...
23 835	28 668	27 977	42 754	39 653	...
3 901	3 930	3 931	5 393	5 399	...
3 050 483	3 027 627	2 983 560	2 961 874	2 944 336	...
123 807	132 648	130 231	131 594	131 540	130 160
5 896	5 498	5 367	5 253	5 134	5 762
27 313	28 476	25 246	23 232	22 773	20 547
50 009	61 754	60 099	64 913	64 358	66 466
5 992	5 481	5 724	5 928	6 188	4 737
3 664	3 683	4 170	4 291	5 520	5 159
30 933	27 756	29 625	27 977	27 567	27 489
415 706	396 147	402 695	395 698	400 535	360 859
21 356	20 629	20 034	19 484	19 100	21 932
83 429	84 192	75 179	67 452	69 509	60 954
175 379	180 262	187 593	192 147	193 470	179 337
22 281	22 912	23 191	23 460	23 367	14 179
6 869	6 881	7 239	7 298	10 519	9 876
106 392	81 271	89 459	85 857	84 570	74 581
543	535	543	550	542	544
497	478	484	497	484	489
5	5	5	5	6	5
41	52	54	48	52	50

Table 116. Available

Item	2000	2001	2002 <sup>r</sup>	2003 <sup>r</sup>	2004 <sup>r</sup>
Domestic production					
Cereals	1 693.3	1 531.9	1 604.6	1 467.9	1 273.6
Starchy roots	248.7	232.6	251.8	273.3	233.6
Sugars & honey	281.1	202.8	186.2	166.8	116.2
Pulses & oilseeds	88.1	62.2	86.3	82.6	76.3
Vegetables	2 738.2	2 572.6	2 852.3	2 608.7	2 626.1
Fruits	2 900.0	2 982.5	3 235.7	3 249.5	3 094.5
Meat	1 695.0	1 708.4	1 680.2	1 623.3	1 635.7
Eggs	433.8	437.1	422.3	419.7	414.9
Fish & sea food	1 364.3	1 318.9	1 408.1	1 501.8	1 291.5
Milk	388.1	371.5	380.9	376.0	344.5
Oils & fats	363.2	356.1	380.0	388.5	350.5
Wine & beer (1 000 H.L.)	6 417.7	6 423.5	4 121.5	4 050.9	4 230.9
Domestic supply					
Cereals	8 080.3	8 000.1	7 868.0	7 835.7	7 781.6
Starchy roots	1 809.7	1 638.3	1 439.8	1 534.7	1 649.5
Sugars & honey	633.8	572.2	547.5	603.8	555.8
Pulses & oilseeds	2 434.4	2 353.0	2 559.4	2 636.4	2 345.2
Vegetables	2 846.4	2 734.4	3 039.0	2 821.8	2 835.8
Fruits	3 357.5	3 328.2	3 648.7	3 583.9	3 478.6
Meat	1 877.5	1 838.7	1 860.5	1 856.4	1 892.5
Eggs	433.9	437.3	422.5	419.8	414.4
Fish & sea food	1 005.3	898.5	917.0	1 011.4	818.1
Milk	525.9	507.7	527.9	517.2	489.0
Oils & fats	681.6	649.7	682.3	696.0	694.0
Wine & beer (1 000 H.L.)	7 578.7	7 484.0	5 476.2	5 478.9	5 400.8
Per capita daily nutrient availability					
Energy (Kcal.)	3 021.9	2 880.1	2 920.0	2 961.7	2 882.4
Protein (Gm.)	96.7	92.4	94.9	96.1	91.9
Fat (Gm.)	123.7	117.2	124.4	124.8	120.0

Notes : Data do not include Kinmen County and Lienchiang County.

**food supplies**

1 000 metric tons

2005 <sup>r</sup>	2006 <sup>r</sup>	2007 <sup>r</sup>	2008 <sup>r</sup>	2009 <sup>r</sup>	2010 <sup>r</sup>	2011
1 284.8	1 350.7	1 180.6	1 259.7	1 368.4	1 244.9	1 428.1
267.5	303.1	264.1	291.8	295.6	287.5	283.0
86.1	63.1	70.1	69.5	58.3	66.2	69.8
60.2	80.9	59.7	63.6	67.3	75.7	81.3
2 327.6	2 499.9	2 267.6	2 329.6	2 360.2	2 427.5	2 556.2
2 601.9	3 031.4	2 888.6	2 773.6	2 665.4	2 905.9	3 034.7
1 613.0	1 647.4	1 612.7	1 519.4	1 526.3	1 532.4	1 585.9
389.0	396.9	401.7	389.7	385.0	403.4	399.7
1 333.9	1 292.4	1 515.1	1 356.4	1 107.5	1 181.9	1 239.0
324.7	341.7	340.0	333.4	339.2	352.9	367.5
384.8	383.4	391.2	343.5	370.9	374.1	364.7
4 262.1	4 471.4	4 432.8	4 198.4	4 689.9	4 703.1	4 766.1
7 866.3	7 773.3	7 632.9	7 209.5	7 380.5	7 374.6	7 515.4
1 576.8	1 742.8	1 689.7	1 757.6	1 701.9	1 573.3	1 580.7
595.2	554.8	551.4	559.9	583.1	555.5	560.4
2 603.5	2 597.5	2 649.1	2 303.7	2 486.1	2 515.1	2 454.4
2 632.7	2 804.1	2 639.3	2 632.3	2 651.9	2 690.7	2 759.1
3 105.3	3 442.6	3 268.1	3 193.5	3 038.1	3 260.1	3 388.7
1 875.6	1 926.8	1 825.9	1 783.7	1 816.1	1 870.5	1 910.8
388.9	397.0	401.2	388.8	384.7	403.3	399.1
776.8	726.7	946.9	884.7	776.9	853.9	909.2
460.7	480.0	470.5	438.5	466.3	480.3	502.9
764.7	697.3	709.4	637.9	667.1	696.0	646.6
5 120.1	5 916.4	5 805.0	5 623.7	5 920.7	6 230.3	6 498.1
2 940.8	2 816.4	2 837.3	2 633.5	2 736.6	2 753.5	2 746.8
91.6	90.1	92.0	84.5	86.8	88.3	89.9
126.6	118.4	119.1	107.5	111.6	115.2	111.6

Table 117. Cultivated, forest and aquaculture land areas

Hectares

End of Year	Cultivated land <sup>1</sup>					Forest land area	Aquaculture area <sup>2</sup>
	Total	Paddy field			Upland field		
		Sub-total	Double-cropping	Single-cropping			
1983	894 326	500 901	352 818	148 083	393 425	1 865 141	48 666
1984	891 655	496 897	347 804	149 093	394 758	1 865 141	47 988
1985	887 660	494 535	346 362	148 173	393 125	1 865 141	48 002
1986	887 451	494 579	346 342	148 237	392 872	1 865 141	65 360
1987	886 281	487 809	345 281	142 528	398 472	1 865 141	52 668
1988	894 974	483 514	344 084	139 430	411 460	1 865 141	53 576
1989	894 601	479 954	340 359	139 595	414 647	1 865 141	54 957
1990	890 090	476 997	340 954	136 043	413 093	1 865 141	58 345
1991	884 443	472 759	333 448	139 311	411 684	1 846 970	58 327
1992	875 951	465 016	328 152	136 864	410 935	1 846 970	58 287
1993	874 535	463 560	329 660	133 900	410 975	1 866 208	56 526
1994	872 307	461 226	329 227	131 999	411 081	2 102 312	55 178
1995	873 378	459 335	329 106	130 229	414 043	2 102 312	55 868
1996	872 159	456 167	328 134	128 033	415 992	2 101 719	52 218
1997	864 817	454 865	324 867	129 998	409 952	2 101 719	48 501
1998	858 756	450 616	322 973	127 643	408 139	2 101 719	49 087
1999	855 073	444 456	321 139	123 317	410 616	2 101 719	48 211
2000	851 495	442 005	317 495	124 510	409 489	2 101 719	47 882
2001	848 743	438 974	315 544	123 430	409 769	2 101 719	45 153
2002	847 334	435 369	314 116	121 253	411 965	2 101 719	44 667
2003	844 097	432 949	319 021	113 928	411 148	2 101 719	45 562
2004	835 507	427 592	328 713	98 879	407 915	2 101 719	42 334
2005	833 176	425 667	328 836	96 831	407 510	2 101 719	41 718
2006 r	829 527	423 721	328 473	95 248	405 806	2 101 719	43 163
2007 r	825 947	422 177	327 552	94 625	403 769	2 101 719	41 556
2008 r	822 364	420 580	327 728	92 851	401 784	2 101 719	43 255
2009 r	815 462	415 776	329 592	86 184	399 686	2 101 719	41 013
2010 r	813 126	410 832	322 448	88 384	402 293	2 101 719	40 301
2011 r	808 294	406 064	330 011	76 054	402 230	2 101 719	40 354
2012	802 876	399 432	325 987	73 445	403 444	2 101 719	40 194

Notes : <sup>1</sup> Cultivated land refers to land under temporary and permanent crops, and can be classified paddy field and upland field. It includes all registered land and non-registered land of river alluvial land, tidal land, slop land, and virgin field which are used for cultivation.

<sup>2</sup> Aquaculture area refers to inland water culture area.

Data do not include Kinmen County and Lienchiang County.

## INDUSTRY

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

The industrial production, shipment and inventory survey is conducted once a month, and its scope covers the five industrial sectors in Taiwan area, i.e. mining and quarrying, manufacturing, electricity & gas supply, water supply and building construction industries. Objects of the survey are enterprises selected from the *Factory Registration Update Survey*. Different sampling sizes are applied to different industries. Mining and quarrying, water supply, building construction and public enterprises sectors are all subject to survey. Other sectors are partly selected as samples for survey by way of “cut-off sampling”. Samples covered by the survey totaled 7,500 enterprises. Different objects are subject to different survey methods. The data source of mining and quarrying major division is from the Bureau of Mines, Ministry of Economic Affairs. The building construction major division uses the data of “total floor area of occupancy permit” published by Construction and Planning Agency Ministry of the Interior. 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 Department of Statistics, Ministry of Economic Affairs is also designated to communicate with surveyed factories and ensure their reporting in time. In addition, the auxiliary methods are Internet submitting and double-checking over the completed forms by on-the-spot specialists. This survey has secured a response rate over 95%. The industrial production index is calculated by Laspeyres formula and from the production weighted by unit net value of selected products; the net values are obtained from the *Factory Registration Update Survey* conducted in 2010.

On the front of energy statistics, the data has been compiled according to the new format Energy Balances. The heating value of electricity is based on the average efficiency of thermal power. Some international organizations, however, have set 860 Kcal/KWh as the heating value of electricity consumption. A companion volume, the *Energy Balances in Taiwan, Republic of China*, presents energy data in comprehensive balances on the same heating value basis for the purpose of international comparison.

Table 118. Indices of

2011 = 100

Item	2000	2001	2002	2003	2004
General	61.86	56.66	60.88	66.42	72.59
Mining & quarrying	143.83	144.90	157.15	145.97	140.32
Crude petroleum & natural gas extraction	231.90	264.27	272.60	259.19	239.11
Sand, stone & clay quarrying	129.41	117.74	133.52	121.10	119.33
Other mining & quarrying	63.18	73.43	73.91	82.86	106.54
Manufacturing	59.20	53.86	58.67	64.27	70.68
Food	103.48	103.52	101.00	99.68	97.06
Beverages	101.66	101.14	74.71	77.44	75.67
Tobacco	98.86	104.31	90.97	96.18	76.48
Textile mills	167.62	148.47	144.54	137.73	140.90
Wearing apparel & clothing accessories	428.42	327.01	287.18	255.90	235.41
Leather, fur & related products	228.49	178.50	185.80	180.46	183.92
Wood & bamboo products	216.83	199.49	167.79	153.78	147.19
Pulp, paper & paper products	99.76	91.16	96.19	105.13	108.80
Printing & reproduction of recorded media	72.41	70.78	71.44	82.96	93.30
Petroleum & coal products	70.40	80.41	90.76	104.88	122.90
Chemical material	62.65	67.54	73.64	79.88	85.21
Chemical products	83.48	74.16	78.06	80.84	87.88
Pharmaceuticals & medicinal chemical products	79.14	76.47	73.43	79.24	84.71
Rubber products	83.03	74.87	84.03	90.69	98.43
Plastic products	127.81	117.49	121.71	123.10	126.10
Non-metallic mineral products	102.63	94.13	98.84	101.49	105.18
Basic metal	80.68	73.16	81.11	84.63	89.19
Fabricated metal products	105.93	90.52	93.30	95.06	98.25
Electronic parts & components	22.38	18.01	22.21	27.75	33.47
Computers, electronic & optical products	47.91	48.16	51.82	55.22	57.09
Electrical equipment	127.39	106.18	116.58	121.70	124.69
Machinery & equipment	65.20	54.22	59.06	65.14	74.57
Motor vehicles & parts	80.03	67.42	83.63	95.99	111.48
Other transport equipment & parts	84.28	70.98	73.27	76.69	94.36
Furniture	210.81	144.40	121.07	107.62	114.17
Manufacturing not elsewhere classified	98.49	86.21	89.83	91.76	94.32
Electricity and gas supply	81.22	81.82	85.72	89.39	92.38
Water supply	100.25	102.46	97.12	99.23	98.95
Buildings construction	143.29	127.26	100.97	110.07	115.33



**industrial production**

2005	2006	2007	2008	2009	2010	2011	2012
75.00	78.60	84.70	83.73	77.11	95.75	100.00	99.75
127.09	120.75	100.25	95.68	87.63	107.67	100.00	97.27
172.26	144.19	128.71	110.62	108.62	90.55	100.00	131.57
121.24	121.10	97.39	96.41	85.96	107.95	100.00	95.84
124.63	117.56	137.71	157.55	155.55	140.56	100.00	102.64
72.94	76.30	82.66	81.92	75.53	95.52	100.00	99.68
98.59	98.21	97.02	93.90	93.85	99.30	100.00	100.68
76.89	78.28	78.16	78.45	83.66	91.59	100.00	102.49
80.80	76.10	80.33	82.41	86.90	89.85	100.00	105.56
123.19	119.26	118.68	106.53	94.92	106.55	100.00	96.85
197.39	178.26	160.64	133.21	105.78	115.41	100.00	89.00
176.91	154.35	137.20	122.63	108.74	119.44	100.00	93.95
132.96	128.29	115.43	102.87	84.96	94.23	100.00	99.95
106.94	103.03	104.94	99.32	94.20	99.57	100.00	99.90
101.36	99.02	99.60	100.01	90.31	98.98	100.00	94.34
127.54	120.53	122.43	111.84	112.52	107.87	100.00	106.78
85.07	87.49	98.67	91.88	98.54	107.00	100.00	102.79
87.30	90.48	90.26	87.95	82.06	99.02	100.00	97.38
83.45	83.69	87.84	89.83	95.84	100.47	100.00	103.59
94.16	91.28	95.84	93.64	77.71	99.57	100.00	95.26
118.83	111.31	111.47	101.38	86.67	98.96	100.00	99.67
103.67	101.75	99.87	92.41	80.06	93.91	100.00	94.83
84.61	91.99	93.41	86.10	75.23	96.06	100.00	95.98
94.97	96.19	95.60	92.22	72.11	91.30	100.00	96.35
41.69	51.55	63.47	69.61	67.87	96.73	100.00	105.37
57.00	53.22	57.62	59.91	50.64	71.48	100.00	87.34
116.62	108.32	101.37	95.59	80.42	98.75	100.00	95.17
77.64	81.23	89.00	83.82	57.01	91.64	100.00	90.84
114.08	93.54	88.20	72.98	70.98	92.47	100.00	100.39
103.97	98.50	109.65	120.70	88.97	97.32	100.00	105.11
109.63	109.49	113.91	106.14	85.95	100.30	100.00	102.09
94.42	91.16	93.66	92.19	84.33	99.32	100.00	103.14
96.29	98.69	101.59	99.64	96.98	99.38	100.00	99.18
99.48	102.31	102.59	100.76	98.47	99.80	100.00	99.40
128.46	140.05	139.37	126.46	102.33	92.95	100.00	107.12

Table 119. Indices of

2011 = 100

Item	2000	2001	2002	2003	2004
Index of manufacturing production	59.20	53.86	58.67	64.27	70.68
By four industries					
Metal & machinery industry	74.99	64.72	70.45	74.77	92.85
Information & electronic industry	32.30	27.76	32.48	38.16	37.66
Chemistry industry	72.18	73.86	80.06	87.70	96.52
Food, textile & other industry	123.64	113.18	108.92	107.25	107.08
By heavy or light industries					
Light industry	119.63	108.14	106.18	106.75	109.07
Heavy industry	49.14	44.82	50.69	57.08	64.10
By usage					
Final demand goods	83.60	76.46	78.49	81.75	86.47
Investment goods	75.64	68.60	71.31	71.98	78.13
Capital goods	67.53	62.01	63.61	65.11	70.17
Construction materials	111.20	96.53	105.19	101.00	112.59
Consumer goods	88.82	81.66	83.17	88.29	91.95
Durable goods	111.18	93.37	106.75	124.78	136.11
Non-durable goods	83.70	78.94	77.78	80.01	81.94
Producer goods	50.32	45.63	51.46	57.92	64.94
For mining & Mfg. goods	51.53	45.39	51.11	57.36	63.81
Other producer goods	59.88	69.94	79.53	91.67	108.58
By intensities					
Labor					
High intensity	83.33	70.98	76.70	85.09	94.22
Medium intensity	36.74	33.42	38.00	42.08	47.84
Low intensity	63.04	61.80	65.92	70.71	75.26
Capital					
High intensity	46.54	44.82	49.62	54.72	61.28
Medium intensity	74.93	65.47	70.83	77.77	84.63
Low intensity	121.28	102.31	105.25	109.24	113.71
Energy					
High intensity	73.90	69.98	75.98	82.93	88.75
Medium intensity	48.98	41.64	46.06	51.83	59.59
Low intensity	52.06	47.87	51.77	55.89	61.02
Human capital					
High intensity	35.36	33.21	37.66	42.95	49.61
Medium intensity	90.50	80.56	85.54	91.33	95.84
Low intensity	141.80	123.10	123.81	123.44	125.20
Index of producer's shipments	64.22	58.63	63.16	67.33	73.53
Index of producer's inventory	76.64	81.74	75.03	75.45	78.87

## manufacturing production

2005	2006	2007	2008	2009	2010	2011	2012
72.94	76.30	82.66	81.92	75.53	95.52	100.00	99.68
91.37	92.55	94.10	88.42	72.09	94.18	100.00	95.91
44.21	51.36	61.71	67.06	63.89	90.89	100.00	101.20
96.14	95.62	102.04	95.71	96.07	104.54	100.00	101.66
103.67	101.59	100.82	95.37	89.31	99.09	100.00	99.58
105.70	102.34	101.84	96.83	89.57	99.60	100.00	99.57
67.27	71.72	79.17	79.14	72.92	94.76	100.00	99.70
86.15	83.27	84.77	81.90	71.85	88.00	100.00	94.42
77.72	78.29	84.40	83.24	68.81	89.77	100.00	94.91
70.23	70.63	80.10	81.01	65.95	89.56	100.00	94.53
110.18	111.46	103.60	93.74	81.76	90.71	100.00	96.62
91.71	86.34	84.50	80.42	73.60	86.98	100.00	94.15
137.86	114.71	104.85	97.81	80.04	95.50	100.00	102.66
81.23	79.99	80.02	76.62	72.33	85.30	100.00	92.46
68.15	73.81	81.97	82.02	76.96	98.46	100.00	101.73
67.03	72.87	81.05	81.18	75.99	98.25	100.00	101.62
110.95	107.65	113.82	110.28	111.79	106.15	100.00	105.64
93.36	92.06	92.90	90.15	74.78	95.95	100.00	100.70
53.01	58.41	68.13	69.20	68.14	91.55	100.00	97.18
77.48	82.84	90.83	90.06	85.76	100.13	100.00	101.77
64.93	71.03	79.63	79.26	76.80	97.86	100.00	102.62
84.80	83.90	87.06	85.93	73.06	91.99	100.00	95.28
111.41	108.95	105.67	101.02	91.02	97.18	100.00	100.59
87.13	89.38	92.83	86.59	82.18	101.07	100.00	103.34
63.94	71.93	79.24	79.68	72.79	94.62	100.00	101.04
64.85	65.80	73.59	76.48	69.09	89.27	100.00	94.29
55.46	61.03	70.22	73.03	68.75	92.57	100.00	100.31
93.81	94.64	97.54	92.57	83.26	98.82	100.00	98.07
117.81	113.46	113.31	102.86	96.63	105.38	100.00	107.74
77.67	80.99	87.72	87.46	83.12	97.17	100.00	99.47
85.10	85.40	87.64	95.76	88.49	89.18	100.00	106.33

Table 120. Production of major

Item	Unit	2003 <sup>r</sup>	2004 <sup>r</sup>	2005 <sup>r</sup>
Frozen meat & frozen prepared food	M.T.	379 327	375 761	431 292
Prepared animal feeds	M.T.	5 311 748	5 188 385	5 218 070
Wine & liquor (excl. beer)	H.L.	652 158	649 090	575 050
Fruit & vegetable juice	1 000 L	364 924	349 837	330 914
Carbonated beverage	1 000 L	436 088	383 264	383 796
Polyester textured yarn fabrics	1 000 M <sup>2</sup>	1 736 776	1 631 021	1 380 857
Non-woven fabrics	M.T.	162 122	161 325	149 264
Paper board	M.T.	3 403 838	3 554 986	3 377 999
Toilet soap	M.T.	7 530	8 227	6 802
Synthetic detergent	M.T.	95 346	111 352	115 504
Automobile tire	1 000 Pcs.	22 275	23 451	23 225
Sheet glass	M.T.	412 100	458 020	483 885
Ceramic tiles	1 000 M <sup>2</sup>	46 108	52 299	53 085
Cement	M.T.	18 474 193	19 049 935	19 890 989
Steel bloom & billet	M.T.	16 812 737	17 116 014	16 198 228
Re-bar	M.T.	6 242 350	6 586 521	6 800 478
Aluminium & aluminium alloy ingots	M.T.	224 497	274 653	250 717
IC manufacturing (Excl. MOS DRAM)	1 000 Pcs.	1 618 783	1 966 107	1 497 305
Printed circuit board	1 000 Ft <sup>2</sup>	562 182 527	559 391 515	641 843 686
Light emitting diode	1 000 Pcs.	6 276 806	6 927 494	9 294 939
Portable computer	Sets	10 344 208	6 628 142	4 415 887
LCD displays	Sets	3 968 856	3 421 815	2 280 248
Telephone set	Sets	1 228 224	1 290 200	927 461
Refrigerator for household use	Sets	561 693	595 986	461 005
Washing machine	Sets	312 955	339 553	313 547
Electric fan	Sets	12 868 315	10 985 171	8 547 215
NC lathe & general lathe	Sets	16 970	23 074	24 612
Milling machine	Sets	14 330	15 106	13 672
Sawing machine	Sets	53 475	56 721	59 915
Press machine	Sets	7 199	8 585	6 909
Sewing machines	Sets	2 000 906	1 988 263	1 762 614
Passenger car	Sets	311 439	345 323	363 562
Truck, bus & commercial van	Sets	70 000	79 639	76 889
Engine & parts for motor vehicles	Million NT\$	11 871	13 873	13 417
Bicycle	Sets	4 615 954	4 948 505	4 867 944
Wood furniture & fixtures	Million NT\$	9 375	9 103	7 989
Golf equipment	Million NT\$	13 083	12 403	14 782
Toy & doll	Million NT\$	9 083	9 877	8 864

## manufactured goods

2006 <sup>r</sup>	2007 <sup>r</sup>	2008 <sup>r</sup>	2009 <sup>r</sup>	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
438 974	458 405	445 345	480 744	487 249	507 041	517 704
5 182 519	5 094 553	5 135 105	5 185 326	5 200 554	5 275 319	5 270 395
563 674	585 257	594 073	833 291	1 068 764	1 320 965	1 330 765
307 959	313 039	360 888	378 463	343 008	271 801	281 158
344 789	301 882	282 172	307 521	293 238	306 073	288 609
1 217 876	1 404 911	1 202 946	1 083 390	1 209 452	1 101 782	1 043 527
153 769	137 719	138 674	125 393	136 604	129 960	130 456
3 350 646	3 406 476	2 909 620	2 775 312	2 850 379	2 931 064	3 073 574
6 555	5 922	5 112	5 314	5 425	5 827	5 602
119 001	126 483	123 737	120 247	124 428	116 899	120 658
22 316	23 592	21 361	19 254	24 509	23 330	22 050
509 359	630 599	574 241	375 695	473 945	474 568	394 585
52 889	49 079	40 929	33 045	38 662	41 593	44 742
19 293 803	18 957 336	17 330 277	15 918 474	16 300 989	16 852 035	15 807 591
17 705 543	19 264 873	17 892 679	14 085 597	18 975 383	21 639 533	19 932 140
7 408 582	6 234 383	5 223 157	4 575 570	5 358 318	5 977 097	5 720 702
250 592	284 325	273 526	266 372	317 414	304 888	320 000
1 976 447	1 759 397	2 228 185	2 462 052	3 524 361	3 951 961	4 473 259
685 488 490	684 336 867	698 626 770	710 391 855	1050 800 073	1106 579 841	1178 943 751
11 722 524	15 867 631	18 459 907	19 337 273	30 713 647	35 182 182	33 510 662
3 050 526	1 256 527	754 260	373 964	327 551	3 265 055	736 710
1 412 556	1 343 071	962 329	978 921	1 230 225	1 252 565	1 209 206
986 421	674 791	496 346	445 124	429 950	419 560	381 254
448 582	456 228	310 140	389 321	391 746	333 924	435 169
307 371	332 537	301 647	336 660	325 182	311 711	415 921
6 901 593	7 244 177	5 818 805	5 123 367	7 180 808	6 208 385	6 607 689
22 543	24 063	22 947	9 019	20 475	24 515	24 412
12 975	12 969	11 746	5 284	9 734	10 627	9 177
55 617	59 590	47 799	22 475	34 039	37 599	34 340
6 978	6 421	4 568	1 937	3 838	3 456	2 855
1 490 264	1 356 491	1 416 372	1 118 353	1 374 189	1 357 575	1 345 410
234 437	213 136	137 559	178 275	233 813	270 563	266 015
66 957	68 759	41 493	46 923	67 434	70 624	70 745
11 549	12 588	12 371	11 015	13 145	13 710	13 921
4 415 365	5 125 628	6 144 069	4 793 394	5 142 914	4 555 289	4 564 330
7 784	7 884	7 531	6 439	7 407	7 349	7 188
11 166	11 589	9 879	8 021	9 898	9 330	12 048
8 314	8 051	7 298	6 635	7 516	7 701	8 597

Table 121.

Item	2001 <sup>r</sup>	2002 <sup>r</sup>	2003 <sup>r</sup>	2004 <sup>r</sup>	2005 <sup>r</sup>
<b>Total supply</b>	<b>106 382</b>	<b>111 424</b>	<b>119 583</b>	<b>132 608</b>	<b>133 679</b>
Indigenous energy	2 461	2 342	2 694	2 713	2 577
Crude oil	41	51	46	45	32
Natural gas	755	788	739	707	487
Biomass and waste	1 096	1 151	1 530	1 559	1 570
Conventional Hydropower	487	266	290	307	381
Solar photovoltaic & wind power	1	2	2	2	9
Solar thermal	81	84	88	93	98
Imported energy	103 921	109 082	116 889	129 895	131 103
Coal & coal products	32 493	34 436	36 332	39 982	39 704
Crude oil & petroleum products	54 941	56 191	61 993	69 404	70 450
L.N.G.	6 209	7 001	7 301	9 073	9 373
Biomass and waste	-	-	-	-	-
Nuclear power	10 277	11 455	11 263	11 436	11 576
<b>Total demand</b>	<b>106 382</b>	<b>111 424</b>	<b>119 583</b>	<b>132 608</b>	<b>133 679</b>
Domestic consumption	90 906	94 992	98 704	102 792	104 804
By sector					
Energy sector own use	8 172	7 939	8 220	8 509	8 945
Energy use	68 746	72 425	73 914	76 836	78 742
Non-energy use	13 987	14 629	16 570	17 448	17 117
By final energy form					
Coal & coal products	6 559	7 222	7 363	7 362	7 195
Petroleum products	38 943	39 906	41 707	43 588	43 598
Natural gas	2 275	2 348	2 190	2 324	2 319
Biomass and waste	107	164	180	165	165
Electricity	42 916	45 239	47 142	49 226	51 312
Solar thermal	81	84	88	93	98
Heat	25	28	34	34	117
Exports	4 906	6 846	11 123	14 784	17 064
International marine bunkers	2 886	2 790	3 430	2 772	2 720
International civil aviation	1 849	1 948	1 921	2 193	2 272
Change in stocks	788	- 769	- 1 096	3 149	612
Transfers	3 766	4 935	6 250	6 481	7 400
Statistical difference	313	218	- 134	606	- 1 203
Transformation input	93 045	97 010	106 178	115 643	121 065
Transformation output	94 012	98 651	108 865	117 891	123 247
Loss	1 935	2 106	2 072	2 079	2 192
Consumption per capita (LOE)	4 081	4 241	4 388	4 553	4 627

Notes : Data do not include Kinmen County and Lienchiang County.

## Energy

10<sup>3</sup> K.L. Oil Equivalent

2006 <sup>r</sup>	2007 <sup>r</sup>	2008 <sup>r</sup>	2009 <sup>r</sup>	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
<b>136 530</b>	<b>144 192</b>	<b>139 162</b>	<b>136 268</b>	<b>142 501</b>	<b>138 237</b>	<b>140 768</b>
2 584	3 151	3 010	2 860	2 796	2 864	3 073
24	18	16	16	14	11	11
412	371	318	312	263	293	393
1 629	2 193	2 099	1 984	1 903	1 914	1 861
391	422	412	358	401	382	542
27	42	57	76	101	149	152
102	105	110	113	114	113	114
133 946	141 041	136 152	133 408	139 705	135 372	137 695
41 135	43 202	41 999	38 251	41 748	43 378	41 788
71 100	75 249	70 451	71 519	71 376	63 811	67 507
10 164	10 850	11 879	11 599	14 526	15 986	16 694
-	0	0	0	0	0	0
11 546	11 740	11 823	12 039	12 056	12 197	11 706
<b>136 530</b>	<b>144 192</b>	<b>139 162</b>	<b>136 268</b>	<b>142 501</b>	<b>138 237</b>	<b>140 768</b>
106 993	112 249	109 041	106 744	113 347	111 885	111 537
9 028	8 832	8 091	7 777	8 062	8 039	7 913
80 379	81 430	79 222	75 960	81 088	82 524	81 265
17 586	21 987	21 728	23 007	24 198	21 322	22 359
7 693	8 493	8 096	7 476	8 778	9 373	9 257
43 260	46 280	43 986	44 875	46 253	42 776	42 821
2 330	2 433	2 505	2 505	2 976	3 421	3 748
158	197	211	173	203	188	174
53 283	54 532	53 971	51 306	54 675	55 692	55 081
102	105	110	113	114	113	114
166	207	163	296	347	322	342
16 293	19 307	18 934	20 788	17 584	14 879	18 235
2 683	2 401	2 068	1 831	1 978	1 809	1 313
2 365	2 336	2 062	1 949	2 199	2 194	2 306
1 748	- 177	746	- 1 238	- 20	- 690	252
6 507	7 787	7 502	6 414	7 072	6 722	6 939
64	648	468	- 441	737	1 215	- 3
121 546	123 626	118 026	117 026	121 349	120 442	125 487
123 987	126 250	121 713	119 017	124 044	122 614	127 460
2 318	2 265	2 027	2 212	2 298	2 394	2 162
4 705	4 917	4 761	4 645	4 921	4 847	4 818

Table 122. Construction of building

Thousand M<sup>2</sup>

Year	Indexes of buildings construction 2011 = 100	Issued building usage license						
		Total	By material					
			Reinforced concrete	Steel frame & reinforced concrete	Steel	Brick	Wood	Others
1983	98.03	25 161	19 263	774	707	4 062	104	252
1984	109.57	27 209	19 542	1 860	937	4 536	94	240
1985	109.96	28 115	21 418	662	915	4 642	87	391
1986	99.62	25 974	20 150	205	887	4 332	17	382
1987	96.59	25 150	19 472	217	946	3 860	31	624
1988	114.51	29 608	22 687	646	1 371	4 107	27	769
1989	121.82	31 234	25 306	428	1 483	3 145	21	851
1990	122.58	31 271	25 665	384	2 210	2 833	35	144
1991	126.89	31 995	26 536	1 257	2 055	2 067	13	68
1992	148.65	36 922	31 496	1 726	1 945	1 572	66	118
1993	190.57	47 501	41 479	1 306	2 778	1 617	73	246
1994	236.12	58 159	51 580	2 589	2 230	1 510	61	190
1995	226.32	55 263	50 030	2 853	1 159	988	32	201
1996	186.80	45 709	40 261	3 006	1 160	871	19	391
1997	156.62	38 462	32 777	3 064	1 504	718	32	367
1998	157.48	38 683	32 873	3 150	1 375	666	53	567
1999	167.89	41 240	34 584	3 721	1 632	596	58	649
2000	143.29	35 024	27 742	4 388	1 358	566	86	884
2001	127.26	31 168	21 638	5 318	1 719	962	123	1 407
2002	100.97	24 386	17 209	4 890	793	493	67	935
2003	110.07	26 497	19 540	5 108	997	254	75	523
2004	115.33	27 873	22 548	4 177	633	206	74	234
2005	128.46	31 028	25 512	4 502	618	192	47	157
2006	140.05	36 202	30 001	2 756	3 185	205	25	30
2007	139.37	36 024	29 443	3 076	3 237	203	32	33
2008	126.46	32 717	26 911	2 086	3 451	219	22	29
2009	102.33	26 535	20 635	2 933	2 742	158	28	38
2010	92.95	24 014	17 404	2 884	3 495	157	47	27
2011	100.00	25 885	19 261	2 278	4 064	167	45	71
2012	107.12	27 761	21 217	2 261	4 025	166	42	51

Notes : The statistical items are based on the Building Technical Regulations.



## TRANSPORTATION, STORAGE AND COMMUNICATIONS

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 Department of Statistics, Ministry of Transportation and Communications. On the front of tourism, information on visitor arrivals by nationality and outbound departures of nationals of the Republic of China, contained in the *Report on Tourism Statistics* published by the Tourism Bureau, is obtained from the entry and exit records kept by the National Immigration Agency, Ministry of Interior. Visitor arrivals by length of stay and visitor expenditure in Taiwan are from the *Report on Tourists' Consumption and Activities Survey* published by the Tourism Bureau. Besides, data of communications except for internet users, obtained from Institute for Information Industry, come from National Communications Commission.

The tourists' consumption and activities survey is conducted once a year. Objective of the survey are foreign nationals or overseas Chinese coming to Taiwan for visits, excluding those staying in Taiwan for less than 24 hours and those staying for over 60 days. The survey adopts the "quota sampling" method to draw an effective sample of 6,015 tourists receiving interview at the check-in counters of Taiwan Taoyuan International Airport, Taipei Songshan Airport and Kaohsiung International Airport.

Passenger-Kilometer (or Ton-Kilometer) -- The passenger-kilometer, a unit used to measure the passenger transportation volume, refers to carrying a passenger for a distance of one kilometer. The number of passengers refers 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, 3-wheel motor trucks, 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.

**Table 123. Railways, highways, motor vehicles in use**

Year	Railways		Highways		Motor vehicles	
	Passenger-kilometers (Million passenger-kms)	Freight ton-kilometers (Million ton-kms)	Passenger-kilometers (Million passenger-kms)	Freight ton-kilometers (Million ton-kms)	Passenger cars (Thousands)	Commercial vehicles (Thousands)
1983	8 533	2 581	25 860	8 929	688	373
1984	8 458	2 493	25 644	9 191	807	409
1985	8 309	2 300	25 776	9 223	916	429
1986 r	8 316	2 365	24 519	9 359	1 047	440
1987	8 463	2 490	23 625	10 586	1 249	469
1988	8 237	2 278	22 850	11 340	1 560	512
1989	8 145	2 112	20 999	11 494	1 930	573
1990	8 323	1 877	20 755	11 543	2 263	620
1991	8 621	1 961	20 549	11 814	2 541	636
1992	9 361	2 140	19 839	12 220	2 900	692
1993	9 552	2 018	19 411	12 867	3 239	718
1994	9 515	2 007	17 995	13 091	3 570	733
1995	9 499	1 900	16 151	12 492	3 874	770
1996	9 032	1 585	15 421	11 991	4 146	800
1997	9 507	1 514	14 417	12 165	4 412	836
1998	10 305	1 404	14 298	17 426	4 545	837
1999	11 020	1 315	14 247	18 251	4 509	804
2000	12 624	1 179	14 657	18 182	4 716	833
2001	12 269	1 010	15 237	27 810	4 826	855
2002	12 147	941	15 770	28 341	4 989	882
2003	11 178	864	14 744	28 735	5 170	911
2004	12 051	909	15 778	31 029	5 391	946
2005	12 255	982	16 100	31 210	5 634	980
2006	12 352	997	16 386	31 218	5 698	999
2007	15 769	890	15 979	30 547	5 713	1 003
2008	19 066	933	15 783	30 160	5 674	1 001
2009	19 277	776	15 882	29 071	5 704	1 014
2010	20 931	873	16 307	29 632	5 803	1 023
2011 r	22 826	853	17 033	29 551	5 960	1 043
2012	24 208	833	17 571	29 851	6 091	1 055

Notes : The data of motor vehicles do not include Kinmen County and Lienchiang County before 1997.

**Table 124. International maritime transport**

Year	Merchant shipping : fleets (Thousand gross registered tons)		Goods (Thousand metric tons)		Vessels : foreign (Thousand gross registered tons)	
	Total	Oil tanker fleet	Exports	Imports	Incoming	Outgoing
1983	3 329	544	15 231	55 319	127 450	117 966
1984	4 351	636	16 251	59 829	136 194	135 031
1985	4 267	584	16 090	60 496	148 101	145 631
1986	4 596	531	16 300	70 781	172 321	171 732
1987	4 621	484	18 086	83 014	189 116	193 484
1988	5 182	544	18 697	96 786	201 582	208 294
1989	5 469	383	16 538	97 678	216 061	231 193
1990	5 923	476	15 439	102 329	224 183	237 285
1991	6 182	602	17 854	103 328	238 565	247 324
1992	6 543	814	16 702	112 459	266 033	275 735
1993	6 631	818	16 923	115 445	288 248	300 426
1994	5 947	956	16 741	119 117	287 329	314 677
1995	5 992	955	18 776	122 376	316 622	340 284
1996	6 067	956	20 969	124 736	342 094	368 034
1997	5 959	956	22 516	143 553	364 856	396 754
1998	5 539	903	22 065	139 813	369 457	406 480
1999	5 445	903	26 287	149 121	381 294	413 247
2000	5 336	903	29 653	152 042	389 520	417 335
2001	4 791	904	38 997	145 082	380 816	427 768
2002	4 235	907	41 477	155 830	384 575	461 712
2003	3 735	905	44 810	162 753	417 577	471 160
2004	3 707	904	47 849	174 935	437 433	472 914
2005	3 375	905	48 015	162 365	452 703	484 699
2006	3 005	905	47 558	163 049	475 785	503 737
2007	2 853	757	50 810	173 699	480 700	498 593
2008	2 868	757	45 745	174 182	471 040	486 700
2009	2 704	672	45 750	157 039	525 502	515 483
2010	2 789	556	49 257	168 826	559 768	548 691
2011	2 889	428	47 347	167 340	592 117	572 716
2012	3 114	127	46 534	166 186	568 604	558 547

Notes : 1. Since 2001, the cargo figures have been calculated from customs declaration. Prior to and including 2000, they were sourced from manifest.

2. The data of goods and foreign vessels do not include Kinmen County and Lienchiang County.

Table 125. Civil aviation

Year	Number of flights		Passenger transportation (Thousand persons)		Freight transportation ( metric tons)	
	Domestic	International	Domestic	International	Domestic	International
1983	94 290	37 096	5 729	4 298	25 161	282 851
1984	99 657	38 970	6 342	4 519	27 952	309 554
1985	104 742	39 459	5 854	4 523	25 818	302 158
1986	102 548	40 566	5 303	4 828	21 573	402 964
1987	117 004	42 755	6 682	5 679	25 142	485 599
1988	130 310	47 183	7 614	7 129	26 740	516 053
1989	183 077	51 813	8 910	8 297	31 583	576 997
1990	191 132	60 691	9 043	9 680	36 704	625 431
1991	249 300	68 181	11 210	10 364	44 681	670 127
1992	300 274	77 542	14 875	12 117	53 130	763 308
1993	361 061	87 930	18 442	12 887	60 616	793 264
1994	435 244	100 383	23 299	13 673	70 820	809 453
1995	521 532	111 356	28 773	14 954	31 386	744 398
1996	577 033	123 931	35 902	16 157	29 409	791 803
1997	580 115	135 730	37 400	17 069	31 210	909 900
1998	503 321	135 023	33 294	16 440	26 407	936 403
1999	483 979	132 343	32 534	17 808	30 573	1 064 289
2000	448 181	138 379	26 650	19 780	33 853	1 214 859
2001	414 698	147 212	24 614	19 501	37 375	1 035 552
2002	392 532	156 023	21 890	20 063	44 246	1 137 627
2003	342 681	146 490	20 052	15 913	43 704	1 186 032
2004	329 632	175 230	20 995	20 756	40 623	1 254 890
2005	297 724	181 775	19 294	22 485	37 428	1 216 009
2006	275 232	188 274	17 365	23 774	40 211	1 207 998
2007	228 869	192 610	12 711	24 432	40 041	1 191 118
2008	183 234	174 748	9 850	23 203	36 746	1 035 352
2009	168 795	166 872	9 233	23 096	36 925	932 985
2010	171 086	189 323	9 733	27 736	36 675	1 163 941
2011	179 803	205 337	10 484	29 093	35 899	1 108 646
2012	174 572	230 123	10 680	32 867	36 153	1 102 077

**Table 126. Telephones and internet**

Year	Number of mobile telephones (Thousands)	Local telephones			Internet users (10 Thousands)
		Subscribers (Thousands)	Subscribers, index (1991=100)	Subscribers per 100 population (Subscribers)	
1983	-	3 618	52.79	19.3	-
1984	-	3 947	57.60	20.7	-
1985	-	4 228	61.69	21.9	-
1986	-	4 540	66.25	23.3	-
1987	-	4 909	71.63	24.9	-
1988	-	5 332	77.81	26.7	-
1989	22	5 823	84.96	28.9	-
1990	83	6 301	91.94	30.9	-
1991	197	6 853	100.00	33.3	1
1992	385	7 418	108.25	35.7	5
1993	539	7 951	116.01	37.9	10
1994	584	8 503	124.08	40.2	18
1995	770	9 175	133.88	43.0	25
1996	970	10 011	146.07	46.5	60
1997	1 492	10 862	158.50	50.0	166
1998	4 727	11 500	167.81	52.4	301
1999	11 541	12 044	175.74	54.5	480
2000	17 874	12 642	184.47	56.8	627
2001	21 786	12 858	187.63	57.4	782
2002	24 391	13 099	191.14	58.2	859
2003	25 800	13 355	194.88	59.1	883
2004	22 760	13 530	197.43	59.6	916
2005	22 171	13 615	198.67	59.8	959
2006	23 249	13 473	196.60	58.9	976
2007	24 287	13 302	194.10	57.9	1 003
2008	25 413	13 082	190.89	56.8	1 046
2009	26 959	12 821	187.09	55.5	1 067
2010	27 840	12 696	185.26	54.8	1 079
2011	28 862	12 679	185.01	54.6	1 097
2012	29 449	12 411	181.10	53.2	1 107

Table 127. International telephone business

Thousands

Year	Outgoing calls		Outgoing calls between the Straits	
	No. of calls	No. of minutes	No. of calls	No. of minutes
1983	6 208	36 786	-	-
1984	8 941	45 783	-	-
1985	13 321	58 021	-	-
1986	21 250	77 063	-	-
1987	34 446	105 629	-	-
1988	50 855	142 628	-	-
1989	66 085	183 864	730	3 074
1990	84 642	241 928	4 422	13 999
1991	104 844	297 616	8 719	26 990
1992	128 887	366 854	16 204	50 272
1993	153 531	442 308	26 790	81 145
1994	169 863	501 849	34 192	105 996
1995	191 615	593 023	41 519	133 796
1996	219 642	700 502	53 541	168 740
1997	245 854	789 061	69 078	198 069
1998	264 102	860 878	79 952	236 141
1999	294 722	958 264	96 033	286 034
2000	328 283	1 058 378	111 604	342 988
2001	433 642	1 514 416	154 668	509 835
2002	568 198	2 153 914	213 866	758 784
2003	820 899	3 076 736	250 074	987 262
2004	825 622	3 131 670	289 035	1 286 703
2005	982 377	3 468 293	318 610	1 369 444
2006	1 063 660	3 841 017	350 298	1 505 976
2007	931 501	3 879 449	352 275	1 566 245
2008	948 230	3 993 877	371 860	1 538 542
2009	1 000 451	4 192 733	369 006	1 423 250
2010	1 096 639	4 650 852	403 616	1 496 327
2011	1 065 185	4 666 714	393 345	1 364 128
2012	1 089 690	4 941 466	366 140	1 186 400

Notes : Telephone services between the Straits started from June 1989.

**Table 128. Postal service**

Year	Postal establishments (Offices)	Mail routes (Thousand-kms)	Mail receptacles (Boxes)	Correspondences (Million pieces)		Parcels (Thousand pieces)	
				Posted	Delivered	Posted	Delivered
1998	14 014	1 863	18 463	2 589	2 916	16 917	17 350
1999	14 414	1 906	18 407	2 705	3 052	16 147	16 539
2000	12 655	1 903	18 132	3 088	3 410	17 287	17 842
2001	11 216	1 902	17 607	2 891	3 305	10 631	10 952
2002	10 325	1 903	17 517	2 876	3 317	7 973	8 209
2003	9 976	1 904	16 804	2 731	3 224	8 953	9 181
2004	6 755	1 905	16 923	2 815	3 279	12 108	12 668
2005	6 420	1 903	16 207	2 808	3 256	15 767	16 720
2006	5 341	1 903	15 984	2 663	3 187	17 897	18 901
2007	4 823	1 903	14 174	2 670	3 109	19 959	21 561
2008	2 570	1 913	13 983	2 646	3 185	24 269	26 229
2009	2 681	1 920	13 739	2 626	2 942	25 351	26 980
2010	2 600	1 920	13 531	2 728	3 005	26 352	29 326
2011	2 595	1 920	13 383	2 781	3 173	27 214	30 192
2012	2 610	1 921	13 202	2 706	3 166	27 946	30 601

**Table 129. Visitor arrivals by purpose of visit**

Year	Total	Pleasure	Business	Visit relatives	Study	Conference	Exhibitions	Medical treatment	Persons
									Others
1998	2 298 706	762 026	770 557	242 223	24 322	30 242	-	-	469 336
1999	2 411 248	782 938	806 159	257 683	27 054	31 194	-	-	506 220
2000	2 624 037	870 929	900 339	279 243	27 808	34 879	-	-	510 839
2001	2 831 035	1 021 572	848 732	332 834	26 971	39 390	-	-	561 536
2002	2 977 692	1 028 635	831 465	329 751	61 904	39 485	-	-	686 452
2003	2 248 117	695 277	698 792	280 022	48 575	31 545	-	-	493 906
2004	2 950 342	1 031 713	920 377	374 008	37 324	43 616	-	-	543 304
2005	3 378 118	1 381 637	944 487	379 252	38 717	49 686	-	-	584 339
2006	3 519 827	1 510 207	949 836	377 455	38 649	52 634	-	-	591 046
2007	3 716 063	1 648 507	930 775	395 760	41 901	57 839	-	-	641 281
2008	3 845 187	1 775 229	881 431	404 692	45 229	59 226	-	-	679 380
2009	4 395 004	2 298 334	795 669	413 942	54 701	68 925	-	-	763 433
2010	5 567 277	3 246 005	937 777	496 627	62 681	88 097	-	-	736 090
2011	6 087 484	3 633 856	984 845	500 131	62 829	81 780	-	-	824 043
2012	7 311 470	4 677 330	893 767	444 213	62 719	62 988	15 789	58 444	1 096 220

Table 130. Number of foreign visitor

Resident	1993	1994	1995	1996	1997	1998	1999	2000	2001
Grand Total	1 601 228	1 856 685	2 066 333	2 088 539	2 115 641	2 031 811	2 115 653	2 310 670	2 291 871
Asia	1 159 554	1 379 321	1 566 025	1 572 539	1 571 044	1 478 765	1 546 893	1 690 232	1 704 449
Hong Kong,Macao	28 451	33 370	39 269	45 998	50 557	54 574	63 323	73 708	80 752
Japan	696 431	816 665	907 338	911 777	900 714	822 817	823 799	914 884	970 741
Korea	88 297	124 116	140 469	121 399	94 632	59 766	74 411	82 480	82 081
India	7 361	8 197	9 553	10 320	11 438	11 672	11 498	13 195	13 062
Middle East	9 725	9 013	10 066	9 759	11 321	11 147	10 578	11 202	9 194
Malaysia	50 664	47 577	53 620	55 430	54 022	48 904	52 358	57 728	56 615
Singapore	59 810	69 259	69 665	77 642	81 356	86 695	85 569	94 691	96 645
Indonesia	33 984	38 489	45 857	50 505	54 092	47 415	76 424	106 787	89 027
Philippines	52 981	69 468	89 490	104 525	112 844	120 543	120 319	83 137	68 955
Thailand	88 985	114 613	146 632	120 089	121 534	127 987	137 664	132 998	116 296
Others	42 865	48 554	54 066	65 095	78 534	87 245	90 950	119 422	121 081
America	280 814	301 012	311 180	318 245	337 610	345 771	357 455	405 749	388 507
Canada	21 081	23 308	25 944	29 580	31 762	33 360	34 568	38 016	40 176
U.S.A.	248 942	266 115	273 606	277 236	293 681	300 753	311 995	356 535	338 548
Mexico	1 265	1 410	1 034	1 325	1 490	1 679	1 694	1 876	1 605
Brazil	2 827	3 480	4 095	3 508	3 479	3 247	2 467	2 767	2 155
Others	6 699	6 699	6 501	6 596	7 198	6 732	6 731	6 555	6 023
Europe	120 944	134 043	143 700	151 564	158 349	159 659	161 377	160 728	147 610
Belgium	3 207	3 629	3 745	3 971	3 861	4 079	4 098	4 147	3 506
France	18 494	21 334	21 587	21 716	22 674	23 515	23 508	23 675	20 988
Germany	28 357	31 075	32 667	33 677	34 492	35 187	34 096	34 769	33 687
Italy	9 893	11 934	12 239	11 511	12 257	11 720	11 329	12 055	10 639
Netherlands	8 879	9 155	9 935	10 436	10 814	11 190	14 235	12 592	11 032
Switzerland	5 937	6 029	6 238	6 035	6 602	6 390	6 452	6 325	5 909
Spain	3 217	3 577	3 685	3 714	4 036	3 892	3 875	4 063	3 736
U.K.	24 112	26 929	28 796	30 426	32 737	33 505	33 136	35 471	33 569
Others	18 848	20 381	24 808	30 078	30 876	30 181	30 648	27 631	24 544
Oceania	25 654	27 907	31 372	32 100	34 367	34 153	35 541	38 049	36 141
Australia	21 446	23 134	26 112	26 844	28 674	28 737	29 731	31 711	29 978
New Zealand	3 819	4 258	4 875	4 952	5 302	5 045	5 357	5 973	5 768
Others	389	515	385	304	391	371	453	365	395
Africa	10 718	10 276	9 839	9 345	8 808	7 728	7 716	8 667	8 663
Others	3 544	4 126	4 217	4 746	5 463	5 735	6 671	7 245	6 501



## arrivals by residence

Persons

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
2 354 017	1 812 034	2 428 297	2 798 210	2 855 629	2 988 815	2 962 536	2 770 082	3 235 477	3 588 727	3 831 635
1 747 685	1 336 849	1 760 612	2 107 089	2 164 552	2 262 176	2 213 938	2 052 861	2 459 348	2 773 717	3 001 848
76 690	56 076	70 878	77 275	77 549	79 548	78 628	84 685	93 662	97 222	109 735
985 564	655 131	885 168	1 122 192	1 159 533	1 164 446	1 084 888	998 973	1 078 459	1 292 999	1 430 946
79 874	90 174	144 769	178 964	192 521	222 347	247 815	164 152	213 863	239 740	255 990
13 945	12 405	16 255	17 475	18 020	19 954	19 951	18 532	23 826	23 903	23 226
9 929	7 696	12 598	13 431	12 692	13 327	12 402	12 075	13 450	13 689	12 920
64 483	66 487	92 272	107 084	114 761	140 720	155 073	166 354	285 038	307 301	340 399
107 069	78 300	116 445	165 666	183 511	204 015	204 967	194 129	241 008	299 238	326 876
86 098	37 116	43 694	88 086	90 593	95 327	110 017	106 272	123 409	155 881	163 188
74 022	75 851	82 319	87 205	75 240	80 117	83 056	73 182	84 464	98 740	102 387
105 688	97 478	101 989	92 584	94 644	89 137	83 685	77 344	91 657	101 695	96 698
144 323	160 135	194 225	157 127	145 488	153 238	133 456	157 163	210 512	143 309	139 483
406 227	311 594	440 887	453 271	457 167	464 911	456 494	436 859	469 099	489 442	491 814
42 815	33 873	49 891	53 838	53 225	56 554	59 605	59 490	64 074	67 049	70 081
353 411	270 523	380 210	388 153	392 004	395 036	383 747	365 266	391 440	408 054	406 806
2 195	1 213	2 144	1 999	2 097	2 445	2 190	1 773	2 116	1 996	2 310
2 206	1 823	2 720	2 819	3 028	3 794	3 859	3 402	3 870	3 956	3 870
5 600	4 162	5 922	6 462	6 813	7 082	7 093	6 928	7 599	8 387	8 747
146 730	118 273	164 032	171 665	171 816	185 553	199 952	196 120	202 394	211 422	217 359
3 833	3 014	3 801	4 208	3 832	4 082	4 147	4 479	4 419	4 332	4 766
20 179	15 188	21 152	21 785	22 372	23 693	23 956	24 975	26 249	28 909	31 304
33 470	28 476	37 063	39 626	38 602	39 372	40 129	39 372	42 280	44 506	44 915
10 664	7 678	10 302	10 913	10 722	11 402	12 694	12 202	12 211	12 387	12 902
10 237	8 022	11 173	12 084	11 418	12 373	12 056	11 164	13 086	14 338	15 727
5 639	4 486	6 114	6 341	6 360	6 719	6 225	6 393	6 509	6 897	7 515
3 826	2 763	4 367	4 579	4 566	4 865	5 360	5 586	5 720	6 170	6 127
34 082	28 316	36 913	35 748	35 794	39 758	48 176	44 619	44 242	43 278	42 658
24 800	20 330	33 147	36 381	38 150	43 289	47 209	47 330	47 678	50 605	51 445
37 849	31 849	50 294	55 185	51 433	61 146	67 930	65 551	71 424	70 018	74 971
31 477	26 287	41 529	46 017	42 114	51 270	57 725	56 697	61 831	59 623	63 209
6 124	5 272	7 512	8 015	8 189	8 612	8 972	7 850	8 546	9 366	10 690
248	290	1 253	1 153	1 130	1 264	1 233	1 004	1 047	1 029	1 072
9 120	7 375	9 538	9 018	8 714	8 414	8 334	7 578	8 076	8 714	8 687
6 406	6 094	2 934	1 982	1 947	6 615	15 888	11 113	25 136	35 414	36 956

Table 131. Visitor arrivals and their average expenditures

Year	Visitor arrivals		Visitor expenditures				Average length of stay (Nights)
	Visitor (Persons)	Increase rate (%)	Amount (Million US\$)	Increase rate (%)	Spending per person (US\$)	Spending per person per day (US\$)	
1983	1 457 404	2.7	990	3.9	679.5	105.2	6.5
1984	1 516 138	4.0	1 066	7.7	702.8	110.7	6.4
1985	1 451 659	- 4.3	963	- 9.7	663.6	101.9	6.5
1986	1 610 385	10.9	1 333	38.4	827.5	120.5	6.9
1987	1 760 948	9.3	1 619	21.5	919.5	132.9	6.9
1988	1 935 134	9.9	2 289	41.4	1 182.9	169.0	7.0
1989	2 004 126	3.6	2 698	17.9	1 346.4	187.0	7.2
1990	1 934 084	- 3.5	1 740	- 35.5	899.9	130.4	6.9
1991	1 854 506	- 4.1	2 018	16.0	1 088.4	148.9	7.3
1992	1 873 327	1.0	2 449	21.4	1 307.1	174.3	7.5
1993	1 850 214	- 1.2	2 943	20.2	1 590.7	198.1	8.0
1994	2 127 249	15.0	3 210	9.1	1 509.2	200.2	7.5
1995	2 331 934	9.6	3 286	2.4	1 409.1	190.9	7.4
1996	2 358 221	1.1	3 636	10.7	1 542.1	208.4	7.4
1997	2 372 232	0.6	3 402	- 6.4	1 434.3	193.6	7.4
1998	2 298 706	- 3.1	3 372	- 0.9	1 466.8	190.3	7.7
1999	2 411 248	4.9	3 571	5.9	1 481.0	191.4	7.7
2000	2 624 037	8.8	3 738	4.7	1 424.6	192.5	7.4
2001	2 831 035	7.9	4 335	16.0	1 531.3	207.8	7.4
2002	2 977 692	5.2	4 584	5.7	1 539.3	204.2	7.5
2003	2 248 117	- 24.5	2 976	- 35.1	1 323.7	166.1	8.0
2004	2 950 342	31.2	4 053	36.2	1 373.8	180.5	7.6
2005	3 378 118	14.5	4 977	22.8	1 473.3	207.5	7.1
2006	3 519 827	4.2	5 136	3.2	1 459.2	210.9	6.9
2007	3 716 063	5.6	5 214	1.5	1 403.2	215.2	6.5
2008	3 845 187	3.5	5 936	13.8	1 543.7	211.5	7.3
2009	4 395 004	14.3	6 816	14.8	1 550.9	216.3	7.2
2010	5 567 277	26.7	8 719	27.9	1 566.2	221.8	7.1
2011	6 087 484	9.3	11 065	26.9	1 817.6	257.8	7.1
2012	7 311 470	20.1	11 769	6.4	1 609.7	234.3	6.9

## FINANCE AND INSURANCE

This chapter is concerned with all sorts of financial statistics, international balance of payments and insurance data. All of the information except for insurance is obtained from the *Financial Statistics Monthly*, published by the Central Bank. As for the insurance, the information is obtained from the website of the Taiwan Insurance Institute.

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. Monetary Financial Institutions are grouped according to whether they are able to create money. The Monetary Financial Institutions include the Central Bank, Domestic Banks (including medium business banks), local branches of foreign and Mainland Chinese banks, credit cooperative associations, credit departments of Farmers' and Fishermen's Associations, Chunghwa Post Co, and money market mutual funds. Although property and casualty insurance companies, bills finance companies and securities finance companies also provide financial services, they differ greatly from Financial Institutions in terms of the financial liabilities they hold. For this reason, they are classified as privated enterprises, instead of financial institutions, in the compilation of financial statistics.

Stock price index, 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 Peyres formula. The annual average is derived from the number of total trading days in a year.

Currency held by the public -- This refers to currency held by all sectors/departments except Monetary Financial Institutions. Currency held by the public = Currency issued by the Central Bank – Cash in vaults of Monetary Financial Institutions.

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

Reserve Money -- The reserve money comprises all reserves held by other Monetary Financial Institutions and currency held by the public, both of which are monetary liabilities of the Central Bank. It is also referred to as “high-powered money” or “base money”. Changes in reserve money affect directly the amount of loanable funds of other Monetary Financial Institution. 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 ( $M_{1B}$ ) -- It is composed of currency held by the public and deposit money.

Table 132. Exchange rates, monetary aggregates and reserve money

End of Year	Exchange rates <sup>1</sup> (NT\$ per US\$)		Monetary aggregates (M <sub>1B</sub> ) (100 Million NT\$)	Reserve money (100 Million NT\$)
	Buying	Selling		
1983	70.22	40.32	6 129	3 155
1984	39.42	39.52	6 696	3 620
1985	39.80	39.90	7 515	4 216
1986	35.45	35.55	11 379	5 499
1987	28.50	28.60	15 631	6 998
1988	28.12	28.22	19 452	8 818
1989		26.160	20 628	11 555
1990		27.108	19 256	11 564
1991		25.748	21 584	12 653
1992		25.403	24 258	14 119
1993		26.626	27 971	15 014
1994		26.240	31 393	16 688
1995		27.265	31 631	16 381
1996		27.491	34 261	16 525
1997		32.638	37 153	16 413
1998		32.216	38 548	16 651
1999		31.395	45 072	16 433
2000		32.992	44 921	15 834
2001		34.999	50 259	14 561
2002		34.753	54 916	15 688
2003		33.978	65 528	16 194
2004		31.917	73 680	17 177
2005		32.850	78 711	17 585
2006		32.596	82 226	18 832
2007		32.443	82 200	19 475
2008		32.860	81 537	21 254
2009		32.030	105 116	23 040
2010		30.368	114 571	25 018
2011		30.290	118 302	27 209
2012		29.136	124 184	29 021

Notes : <sup>1</sup> Before 1989, data refers to spot rate fixed daily by Foreign Exchange Center.  
From 1989 onward, it refers to interbank closing rate.

**Table133. International liquidity**

End of Year	International reserves minus gold (Million US\$)		Gold reserves	
	Total	Foreign exchange	Million US\$	Millions fine troy ounces
1983	11 859	11 859	...	4.114
1984	15 664	15 664	86.1	4.464
1985	22 556	22 556	964.4	5.012
1986	46 310	46 310	1 313.3	5.574
1987	76 748	76 748	2 697.9	7.667
1988	73 897	73 897	5 395.3	13.487
1989	73 224	73 224	5 827.9	13.537
1990	72 441	72 441	5 623.1	13.537
1991	82 405	82 405	5 920.2	13.537
1992	82 306	82 306	6 001.9	13.544
1993	83 573	83 573	5 724.9	13.558
1994	92 454	92 454	5 819.2	13.565
1995	90 310	90 310	5 600.5	13.572
1996	88 038	88 038	5 555.9	13.565
1997	83 502	83 502	4 684.1	13.565
1998	90 341	90 341	4 743.3	13.570
1999	106 200	106 200	4 861.3	13.570
2000	106 742	106 742	4 627.6	13.560
2001	122 211	122 211	4 361.2	13.560
2002	161 656	161 656	4 390.4	13.560
2003	206 632	206 632	4 507.5	13.620
2004	241 738	241 738	4 822.3	13.610
2005	253 290	253 290	4 662.1	13.610
2006	266 148	266 148	4 692.0	13.610
2007	270 311	270 311	4 716.0	13.610
2008	291 707	291 707	4 681.9	13.620
2009	348 198	348 198	4 768.9	13.620
2010	382 005	382 005	5 201.5	13.620
2011	385 547	385 547	5 043.3	13.580
2012	403 169	403 169	5 282.5	13.620

Table 134. Interest rates of the Central Bank

Percent per annum

Effective date of change	Discount	Accommodations with collateral	Accommodations without collateral	Accommodations in foreign <sup>1</sup> currencies
June 27 2003	1.375	1.750	3.625	LIBOR 6M
Oct. 1 2004	1.625	2.000	3.875	LIBOR 6M
Dec. 31	1.750	2.125	4.000	LIBOR 6M
Mar. 25 2005	1.875	2.250	4.125	LIBOR 6M
July 1	2.000	2.375	4.250	LIBOR 6M
Sep. 16	2.125	2.500	4.375	LIBOR 6M
Dec. 23	2.250	2.625	4.500	LIBOR 6M
Mar. 31 2006	2.375	2.750	4.625	LIBOR 6M
June 30	2.500	2.875	4.750	LIBOR 6M
Sep. 29	2.625	3.000	4.875	LIBOR 6M
Dec. 29	2.750	3.125	5.000	LIBOR 6M
Mar. 30 2007	2.875	3.250	5.125	LIBOR 6M
June 22	3.125	3.500	5.375	LIBOR 6M
Sep. 21	3.250	3.625	5.500	LIBOR 6M
Dec. 21	3.375	3.750	5.625	LIBOR 6M
Mar. 28 2008	3.500	3.875	5.750	LIBOR 6M
June 27	3.625	4.000	5.875	LIBOR 6M
Sep. 26	3.500	3.875	5.750	LIBOR 6M
Oct. 9	3.250	3.625	5.500	LIBOR 6M
Oct. 30	3.000	3.375	5.250	LIBOR 6M
Nov. 10	2.750	3.125	5.000	LIBOR 6M
Dec. 12	2.000	2.375	4.250	LIBOR 6M
Jan. 8 2009	1.500	1.875	3.750	LIBOR 6M
Feb. 19	1.250	1.625	3.500	LIBOR 6M
June 25 2010	1.375	1.750	3.625	LIBOR 6M
Oct. 1	1.500	1.875	3.750	LIBOR 6M
Dec. 31	1.625	2.000	3.875	LIBOR 6M
Apr. 1 2011	1.750	2.125	4.000	LIBOR 6M
July 1	1.875	2.250	4.125	LIBOR 6M

Notes : <sup>1</sup> Beginning Nov. 24, 1994, the rates of accommodations in foreign currencies have been fixed to the LIBOR rates for six-month USD two business days before as displayed on telerate screen 3750.

**Table 135. Stock price index and money market interest rates**

Percent per annum

Year	Stock price index (1966=100)	Interbank call loans <sup>1</sup>	Money market interest rates, treasury bills		
			1-91 days	92-182 days	183-364 days
1998	7 737.68	6.56	4.74	5.15	-
1999	7 426.69	4.77	4.83	4.93	4.94
2000	7 847.21	4.73	-	4.91	4.94
2001	4 907.43	3.69	-	3.90	2.42
2002	5 225.61	2.05	-	-	2.16
2003	5 161.90	1.10	-	1.06	1.05
2004	6 033.78	1.06	-	1.15	1.22
2005	6 092.27	1.31	1.35	1.29	1.54
2006	6 842.04	1.55	-	1.66	-
2007	8 509.56	2.00	-	-	2.05
2008	7 024.06	2.01	-	1.80	1.87
2009	6 459.56	0.11	0.25	0.16	0.26
2010	7 949.63	0.19	0.32	0.45	0.61
2011	8 155.79	0.34	0.57	0.76	0.83
2012	7 481.34	0.43	0.72	0.69	0.75

Notes : <sup>1</sup> Prior to Nov. 1994, the figure comprised the weighted average for all maturities, an overnight weighted rate being adopted thereafter.

**Table 136. Weighted average interest rates on loans**

Percent per annum

Year	Domestic banks <sup>1</sup>	Local branches of foreign and Mainland Chinese banks	Medium business banks	Credit cooperatives	Credit dept. of farmers' and fishermen's assn.	Investment and trust companies
1998	8.48	10.37	8.96	9.03	9.22	8.87
1999	8.03	10.14	8.14	8.64	8.72	8.53
2000	7.61	9.63	7.61	8.24	8.39	8.26
2001	6.99	9.14	6.88	7.70	7.84	7.30
2002	5.53	7.27	5.66	6.39	6.74	6.55
2003	4.10	5.70	4.37	4.64	5.16	5.01
2004	3.66	4.36	3.67	3.59	4.01	3.96
2005 r	3.65	2.88	-	3.35	3.51	3.69
2006 r	3.47	2.88	-	3.35	3.29	3.50
2007 r	3.35	2.98	-	3.39	3.30	3.70
2008 r	3.46	3.21	-	3.58	3.42	3.82
2009 r	2.07	2.01	-	2.38	2.27	-
2010 r	1.97	1.42	-	2.32	2.13	-
2011	2.16	1.47	-	2.52	2.38	-
2012	2.24	1.31	-	2.53	2.42	-

Notes : <sup>1</sup> Prior to 2004, excludes the data of medium business banks. Beginning 2004, the figures for domestic banks exclude preferred deposits of retired government employees and central government loans.

Table 137. Consolidated assets and liabilities

End of year	2003	2004	2005	2006
Assets (net)=lia. & net worth (net)	25 755 256	27 692 677	30 365 629	31 927 680
Assets				
Foreign assets	8 850 771	9 364 725	10 613 957	11 227 432
Loans and discounts	14 332 857	15 867 752	17 158 349	17 598 943
Portfolio investments in entities excluding financial institutions	2 202 199	2 096 259	2 201 851	2 693 911
Portfolio investments in financial institutions	156 950	141 759	192 724	204 614
Claims on life insurance companies etc.	35 239	34 798	5 924	1 708
Real estate investments	281	281	281	1
Cash in vaults	176 959	187 103	192 543	201 071
Liabilities & net worth				
Foreign liabilities	1 139 591	1 389 579	1 988 874	1 913 993
Currency issued	785 164	856 951	922 910	959 792
Deposits & money market mutual funds held by enterprises	20 158 128	21 522 079	22 990 663	24 171 821
Government deposits	929 593	925 183	931 901	901 968
Due to life insurance companies etc.	163 831	170 845	208 628	236 295
Bank debentures issued	541 227	709 051	811 192	925 915
Net worth	2 817 476	2 582 817	2 775 927	3 011 388
Other items (net)	- 779 754	- 463 828	- 264 466	- 193 492

Table 138. Consolidated assets and liabilities

End of year	2003	2004	2005	2006 <sup>r</sup>
Assets (net)=lia. & net worth (net)	29 875 387	32 531 284	36 024 614	38 408 672
Assets				
Foreign assets	9 966 938	10 712 940	12 382 522	13 278 845
Loans and discounts	15 328 300	16 852 463	18 166 221	18 692 761
Portfolio investments in entities excluding financial institutions	3 892 121	4 138 260	4 460 007	5 337 022
Portfolio investments in financial institutions	259 188	381 680	583 053	635 693
Real estate investments	250 618	257 420	239 726	262 635
Cash in vaults	178 222	188 521	193 085	201 716
Liabilities & net worth				
Foreign liabilities	1 139 591	1 389 579	1 988 874	1 913 993
Currency issued	785 164	856 951	922 910	959 792
Deposits & money market mutual funds held by enterprises and individuals	20 158 128	21 522 079	22 990 663	24 171 821
Government deposits	929 697	925 284	931 901	901 968
Trust funds	1 370 028	1 586 074	1 856 404	2 496 023
Life insurance reserves	4 148 006	4 873 543	5 704 484	6 434 160
Bank debentures issued	541 227	709 051	811 192	925 915
Net worth	3 055 453	2 845 363	3 058 557	3 515 992
Other items (net)	-2 251 907	-2 176 640	-2 240 371	-2 910 992



**of monetary financial institutions**

Million NT\$

2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
32 769 344	34 939 362	36 710 601	37 807 420	39 918 536	41 496 610
11 663 216	13 250 923	14 828 834	14 590 580	15 372 443	15 521 003
18 021 730	18 470 098	18 599 228	19 852 506	20 960 771	21 650 271
2 694 318	2 861 563	2 978 043	3 045 296	3 259 381	3 971 878
180 146	136 020	94 357	110 064	112 405	119 122
10 845	4	2	2	270	19
1	1	1	1	1	-
199 088	220 753	210 136	208 971	213 265	234 317
1 996 647	2 150 809	1 731 412	1 918 491	2 197 026	2 325 666
961 715	1 054 290	1 122 754	1 204 824	1 320 609	1 437 529
24 389 919	26 300 624	27 974 744	29 391 589	30 782 080	31 945 268
932 044	948 229	1 005 609	1 047 773	957 601	929 219
375 198	591 042	815 312	910 642	842 215	979 599
900 327	878 048	797 961	800 783	884 870	1 013 405
3 378 156	3 386 895	3 406 762	3 051 858	3 184 415	3 400 461
- 164 662	- 370 575	- 143 953	- 518 540	- 250 280	- 534 537

**of financial institutions**

Million NT\$

2007 <sup>r</sup>	2008 <sup>r</sup>	2009 <sup>r</sup>	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
39 616 314	42 197 744	44 940 829	47 243 764	50 439 640	53 397 797
13 927 717	15 595 585	17 713 238	18 064 698	19 620 010	20 649 802
19 187 183	19 722 367	19 788 845	21 033 957	22 154 442	22 894 778
5 420 268	5 766 575	6 250 565	6 707 921	7 189 692	8 138 888
586 050	566 842	584 840	815 133	797 279	927 958
295 320	324 878	392 676	412 612	464 518	551 654
199 776	221 497	210 665	209 443	213 699	234 717
1 996 647	2 150 809	1 731 412	1 918 491	2 197 026	2 325 666
961 715	1 054 290	1 122 754	1 204 824	1 320 609	1 437 529
24 389 919	26 300 624	27 974 744	29 391 589	30 782 080	31 945 268
932 044	948 229	1 005 609	1 047 773	957 601	929 219
3 420 323	2 885 596	3 075 211	3 105 832	3 076 140	3 210 316
7 140 109	7 842 007	8 973 000	10 224 292	11 182 235	12 547 269
900 327	878 048	797 961	800 783	884 870	1 013 405
3 818 543	3 594 489	3 844 889	3 540 755	3 615 411	3 991 456
-3 943 313	-3 456 348	-3 584 751	-3 990 575	-3 576 332	-4 002 331

Table 139. Number

End of Year	Domestic banks <sup>1</sup>		Local branches of foreign and Mainland Chinese banks	Credit co-operative associations	Credit departments of farmer associations	Credit departments of fishermen's associations
	Head office	Branches				
1983	16	556	28	75	283	12
1984	16	561	31	75	282	16
1985	16	585	32	75	283	17
1986	16	601	32	75	284	19
1987	16	632	32	74	282	19
1988	16	663	32	74	282	22
1989	16	692	33	74	285	22
1990	16	721	35	74	285	24
1991	17	756	36	74	285	26
1992	32	897	36	74	285	27
1993	33	1 030	37	74	285	27
1994	34	1 174	37	74	285	27
1995	34	1 361	38	73	285	27
1996	34	1 464	41	73	285	27
1997	47	2 176	45	64	287	27
1998	48	2 404	46	54	287	27
1999	52	2 576	41	50	287	27
2000	53	2 693	39	48	287	27
2001	53	3 005	38	39	260	25
2002	52	3 068	36	37	253	25
2003	50	3 173	36	35	253	25
2004	49	3 189	35	32	254	25
2005	46	3 239	36	29	253	25
2006	43	3 285	33	28	253	25
2007	40	3 313	32	27	261	25
2008	38	3 264	32	27	264	25
2009	38	3 279	32	26	275	25
2010	38	3 334	28	26	276	25
2011	38	3 359	28	25	277	25
2012	39	3 416	30	24	277	25

Notes : <sup>1</sup> Beginning 1997, includes the data of medium business banks.

<sup>2</sup> Excluding postal agencies since 1995.

<sup>3</sup> Including the Department of Life Insurance, Chunghwa Post Co.

**of financial institutions**

Numbers

Medium business banks	The postal savings system		Trust and investment companies	Reinsurance corporation	Life insurance <sup>3</sup> companies	Property & casualty insurance companies	Bills finance companies	Securities finance companies
	Head office	Branches <sup>2</sup>						
8	1	1 528	8	1	9	14	3	1
8	1	1 570	8	1	9	14	3	1
8	1	1 591	8	1	8	14	3	1
8	1	1 578	8	1	8	14	3	1
8	1	1 579	8	1	8	14	3	1
8	1	1 583	8	1	8	14	3	1
8	1	1 574	8	1	11	19	3	1
8	1	1 582	8	1	15	19	3	1
8	1	1 573	8	1	15	21	3	1
8	1	1 576	7	1	22	22	3	1
8	1	1 585	7	1	27	23	3	1
8	1	1 603	6	1	28	22	3	1
8	1	1 269	5	1	29	22	10	4
8	1	1 273	5	1	30	25	12	4
-	1	1 276	5	1	32	26	14	4
-	1	1 288	4	1	33	25	16	4
-	1	1 296	3	1	33	27	16	4
-	1	1 305	3	1	32	26	16	4
-	1	1 316	3	1	28	27	15	4
-	1	1 320	3	1	29	24	14	4
-	1	1 322	3	1	29	24	14	4
-	1	1 320	3	1	28	24	14	4
-	1	1 321	2	1	29	23	14	4
-	1	1 320	2	1	29	23	12	4
-	1	1 321	1	1	29	22	12	4
-	1	1 321	-	1	30	21	10	4
-	1	1 321	-	1	30	20	10	4
-	1	1 321	-	1	30	20	9	2
-	1	1 323	-	1	30	20	8	2
-	1	1 323	-	1	30	20	8	2

Table 140. Balance

Item	2003	2004	2005
A. Current Account	30 504	19 728	17 578
Goods: exports fob	150 597	182 362	198 456
Goods: imports fob	- 124 460	- 164 999	- 179 000
Balance on Goods	26 137	17 363	19 456
Services: credit	23 166	25 789	25 827
Services: debit	- 25 635	- 30 731	- 32 480
Balance on Goods and Services	23 668	12 421	12 803
Income: credit	12 991	15 485	17 394
Income: debit	- 3 436	- 4 353	- 8 355
Balance on Goods , Services and Income	33 223	23 553	21 842
Current transfers: credit	2 673	3 170	3 463
Current Transfers: debit	- 5 392	- 6 995	- 7 727
B. Capital Account	- 87	- 77	- 117
Capital account: credit	1	6	1
Capital account: debit	- 88	- 83	- 118
Total, Groups A plus B	30 417	19 651	17 461
C. Financial Account	7 628	7 169	2 302
Direct investment abroad	- 5 682	- 7 145	- 6 028
Direct investment in Taiwan, ROC	453	1 898	1 625
Portfolio investment assets	- 34 763	- 21 823	- 33 902
Equity securities	- 9 850	- 8 167	- 12 464
Debt securities	- 24 913	- 13 656	- 21 438
Portfolio investment liabilities	29 566	17 154	31 045
Equity securities	25 197	14 092	34 826
Debt securities	4 369	3 062	- 3 781
Financial derivatives	- 215	- 843	- 1 003
Financial derivatives assets	519	888	909
Financial derivatives liabilities	- 734	- 1 731	- 1 912
Other investment assets	3 939	408	- 6 254
Monetary authorities	...	...	...
General government	33	32	-
Banks	- 1 994	- 6 754	- 9 421
Other sectors	5 900	7 130	3 167
Other investment liabilities	14 330	17 520	16 819
Monetary authorities	...	898	9 250
General government	- 8	- 6	-
Banks	11 391	13 957	5 352
Other sectors	2 947	2 671	2 217
Total , Groups A through C	38 045	26 820	19 763
D. Net Errors And Omissions	- 953	- 225	293
Total , Groups A through D	37 092	26 595	20 056
E. Reserves and Related Items	- 37 092	- 26 595	- 20 056
Reserve assets	- 37 092	- 26 595	- 20 056
Use of Fund credit and loans	-	-	-
Exceptional financing	-	-	-

## of payments

Million US\$

2006	2007	2008	2009	2010 <sup>r</sup>	2011 <sup>r</sup>	2012
26 332	35 154	27 505	42 923	39 872	41 230	49 923
223 783	246 500	254 897	203 399	273 823	307 030	299 826
- 199 554	- 216 055	- 236 419	- 172 846	- 247 310	- 279 182	- 268 822
24 229	30 445	18 478	30 553	26 513	27 848	31 004
29 272	33 286	36 829	31 774	40 357	45 920	49 128
- 32 815	- 34 926	- 34 982	- 29 783	- 37 864	- 42 026	- 42 855
20 686	28 805	20 325	32 544	29 006	31 742	37 277
19 338	23 500	23 277	20 351	23 265	24 833	25 833
- 9 757	- 13 368	- 13 299	- 7 827	- 9 689	- 11 654	- 10 584
30 267	38 937	30 303	45 068	42 582	44 921	52 526
3 837	4 689	5 526	4 902	5 251	5 547	5 445
- 7 772	- 8 472	- 8 324	- 7 047	- 7 961	- 9 238	- 8 048
- 118	- 96	- 334	- 96	- 116	- 119	- 83
4	3	3	2	5	3	4
- 122	- 99	- 337	- 98	- 121	- 122	- 87
26 214	35 058	27 171	42 827	39 756	41 111	49 840
- 19 620	- 38 951	- 1 660	13 469	- 358	- 32 046	- 31 593
- 7 399	- 11 107	- 10 287	- 5 877	- 11 574	- 12 766	- 13 050
7 424	7 769	5 432	2 805	2 492	- 1 957	3 207
- 40 779	- 44 966	3 527	- 31 699	- 33 487	- 19 503	- 45 304
- 18 467	- 35 697	- 4 573	- 21 197	- 12 274	- 2 078	- 16 960
- 22 312	- 9 269	8 100	- 10 502	- 21 213	- 17 425	- 28 344
21 814	4 904	- 15 777	21 372	12 823	- 16 188	3 213
22 662	5 599	- 15 418	19 427	9 986	- 14 924	2 906
- 848	- 695	- 359	1 945	2 837	- 1 264	307
- 965	- 289	1 589	852	577	1 038	328
1 930	3 691	7 938	5 344	4 497	5 777	4 526
- 2 895	- 3 980	- 6 349	- 4 492	- 3 920	- 4 739	- 4 198
- 1 266	- 6 847	10 621	25 663	12 317	- 7 988	4 739
...	...	...	...	...	...	...
- 4	11	7	- 2	13	- 13	3
- 5 525	- 10 158	- 16 726	707	1 212	- 25 352	- 4 443
4 263	3 300	27 340	24 958	11 092	17 377	9 179
1 551	11 585	3 235	353	16 494	25 318	15 274
- 3 311	- 7 300	- 3 116	-	-	-	-
6	- 6	-	-	-	-	-
1 993	16 118	- 49	- 9 741	15 099	22 334	10 575
2 863	2 773	6 400	10 094	1 395	2 984	4 699
6 594	- 3 893	25 511	56 296	39 398	9 065	18 247
- 508	- 127	763	- 2 170	775	- 2 826	- 2 763
6 086	- 4 020	26 274	54 126	40 173	6 239	15 484
- 6 086	4 020	- 26 274	- 54 126	- 40 173	- 6 239	- 15 484
- 6 086	4 020	- 26 274	- 54 126	- 40 173	- 6 239	- 15 484
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Table 141. Direct written premiums

Year	Total	Fire	Marine			
			Sub-total	Marine cargo	Marine hull	Fishing vessel
						<b>Direct written</b>
2003	109 469	24 178	7 738	5 286	1 723	730
2004	115 468	22 101	8 357	5 860	1 766	732
2005	118 502	22 036	8 665	5 907	1 985	773
2006	114 106	21 918	8 910	6 109	2 072	729
2007	112 583	21 881	9 219	6 415	2 085	719
2008	107 742	21 548	8 937	6 397	1 893	647
2009	101 859	18 705	7 637	5 085	1 914	639
2010	105 806	17 365	8 484	5 763	2 069	652
2011	113 033	19 050	8 773	5 981	2 047	744
2012	120 483	22 223	8 445	5 619	2 076	750
						<b>Direct</b>
2003	49 604	2 606	3 322	2 172	696	454
2004	52 229	4 741	5 029	2 270	2 112	647
2005	65 874	13 470	4 243	2 261	1 206	776
2006	55 153	4 767	5 529	4 032	1 017	479
2007	51 273	3 736	7 413	2 691	4 197	526
2008	50 092	5 525	5 158	3 068	1 492	597
2009	54 774	5 373	5 907	2 809	2 414	684
2010	62 247	14 386	3 855	2 568	1 044	243
2011	57 976	7 355	5 277	2 447	2 395	434
2012	60 863	7 097	3 508	2 694	518	296

**and direct losses by line of business**

Million NT\$

Automobile	Aviation	Other property & casualty					
		Sub-total	Engineering	Liability	Credit	Others	
<b>premiums</b>							
50 387	3 840	23 325	6 865	5 799	2 686	7 976	
55 048	3 193	26 769	7 057	6 159	3 053	10 501	
58 862	1 971	26 968	5 711	6 217	3 193	11 847	
57 334	1 529	24 415	5 318	5 778	1 557	11 762	
55 550	1 365	24 567	5 315	6 157	967	12 128	
52 547	1 077	23 633	4 431	5 946	922	12 335	
50 276	1 153	24 087	4 808	6 023	969	12 287	
52 658	1 261	26 038	4 156	6 567	1 222	14 094	
55 826	1 097	28 288	4 482	7 513	1 102	15 191	
59 653	836	29 326	4 652	8 250	1 045	15 379	
<b>losses</b>							
31 671	3 612	8 392	1 745	2 130	2 299	2 219	
33 735	- 1 567	10 291	2 554	2 246	2 120	3 371	
35 609	- 335	12 887	2 062	2 631	3 791	4 404	
34 215	- 905	11 547	2 131	2 190	1 950	5 276	
31 001	1 229	7 894	1 132	1 715	528	4 518	
29 745	15	9 649	1 381	2 173	1 114	4 981	
29 682	- 84	13 897	3 978	2 930	839	6 149	
32 611	109	11 286	2 341	3 017	- 170	6 097	
34 496	104	10 745	2 138	2 272	260	6 075	
38 321	377	11 560	1 965	2 790	382	6 423	

Table 142. New business and business

Year	Individual insurance							
	Life		Accident		Health		Annuity	
	No.	Amount (Million NT\$)	No.	Amount (Million NT\$)	No.	Amount (Million NT\$)	No.	Amount (Million NT\$)
	<b>New</b>							
2003	3 426 971	1 789 532	9 711 760	17 066 893	3 846 550	639 567	86 872	52 100
2004	3 090 827	2 430 330	8 834 729	18 013 343	3 188 577	467 226	190 144	116 399
2005	3 571 244	2 501 124	10 631 629	18 864 224	3 406 040	573 926	137 270	95 077
2006	3 583 281	2 879 530	10 381 392	20 591 574	3 593 323	646 212	114 691	58 229
2007	4 099 960	4 057 743	9 706 777	19 677 313	4 063 773	718 760	217 817	97 301
2008	3 287 066	2 205 255	10 702 947	19 609 768	3 583 680	1 381 566	470 302	201 412
2009	2 793 206	1 895 241	8 950 783	18 524 776	4 155 965	1 096 920	302 499	189 725
2010	3 002 090	1 936 221	6 938 357	17 664 062	3 380 418	726 156	347 866	433 864
2011	3 102 128	1 977 513	6 428 886	23 903 077	3 904 490	884 980	142 664	184 781
2012	3 397 420	2 157 437	6 567 457	23 869 287	4 409 902	959 109	163 704	164 832
	<b>Business</b>							
2003	32 054 890	24 374 020	32 787 178	31 691 471	41 050 153	9 084 062	100 080	54 641
2004	33 614 301	26 118 419	32 892 325	22 730 236	42 807 183	9 323 318	280 337	165 576
2005	35 609 430	27 811 340	34 388 606	23 032 912	44 730 527	9 681 974	389 659	245 350
2006	37 314 888	29 570 356	35 341 615	23 126 729	46 774 413	10 054 722	403 592	253 854
2007	39 431 807	32 386 605	36 305 053	23 331 450	49 284 868	10 443 539	490 482	272 057
2008	40 273 828	32 607 750	37 459 367	23 810 742	51 139 323	11 317 194	842 625	388 951
2009	40 557 912	32 971 657	38 122 558	23 019 741	52 786 957	11 500 100	1 008 731	516 888
2010	41 688 350	33 227 225	38 009 058	22 223 090	53 778 454	10 672 625	1 109 434	893 737
2011	42 707 037	33 839 846	38 574 529	20 683 924	56 007 806	11 114 916	987 576	938 919
2012	44 148 301	34 678 147	39 357 760	21 286 660	58 757 925	11 538 737	979 181	933 931



**in force of life insurance industry**

Group insurance								
Life			Accident			Health		
No.	Persons	Amount (Million NT\$)	No.	Persons	Amount (Million NT\$)	No.	Persons	Amount (Million NT\$)
<b>business</b>								
238 758	1 947 895	978 447	151 395	5 184 623	5 055 994	80 746	10 659 758	8 110 282
162 303	1 616 029	933 423	162 991	5 503 572	5 741 756	80 137	7 423 238	4 791 106
34 207	1 606 735	1 523 430	220 908	5 894 691	6 696 871	102 835	8 966 344	5 974 970
37 779	1 518 329	1 025 700	268 435	5 672 236	5 804 187	120 811	7 672 438	5 098 050
37 346	1 711 627	1 134 891	289 168	6 595 628	6 675 014	163 749	7 260 775	4 278 228
36 972	1 729 174	1 141 348	267 731	6 173 530	12 374 997	152 779	6 977 709	4 648 945
70 673	1 709 501	1 155 020	273 098	7 013 538	5 319 944	135 424	8 335 138	4 206 295
30 643	2 113 690	1 278 059	566 348	11 776 825	11 168 271	184 520	8 563 464	983 912
35 163	2 019 668	1 179 448	505 899	11 453 548	9 356 049	161 389	7 946 801	3 052 230
31 714	2 203 580	1 343 951	522 692	11 146 378	9 079 039	174 499	8 616 186	2 632 518
<b>in force</b>								
311 887	3 755 773	2 249 163	267 053	8 945 657	11 711 948	138 728	10 488 605	5 612 671
82 547	3 817 631	2 660 249	211 605	8 621 930	12 917 114	130 015	11 438 812	5 740 777
65 324	4 105 283	2 896 404	187 337	9 318 167	12 714 211	123 060	12 209 990	5 869 668
82 050	4 376 914	2 935 660	192 391	8 845 768	11 931 627	120 648	12 727 581	6 126 457
102 443	5 082 911	3 368 385	269 619	10 666 136	12 918 187	185 368	13 865 548	6 735 419
101 588	5 710 947	3 794 232	253 331	11 733 823	13 453 043	179 159	15 218 967	6 600 878
105 445	5 791 506	3 987 848	269 958	12 978 925	14 832 850	182 309	16 883 770	6 825 358
84 659	6 009 368	3 914 620	289 384	15 687 350	15 088 065	162 252	19 879 518	6 297 750
125 926	6 435 095	4 195 505	414 392	18 623 811	14 841 556	471 527	24 276 984	8 245 559
121 601	6 859 492	4 413 220	411 442	19 263 847	15 278 832	431 771	21 589 145	4 509 337

**Table 143. Benefit payments to policyholders of life insurance industry**

Year	Individual insurance							
	Total		Life		Accident		Health	
	No.	Amount ( Million NT\$)	No.	Amount ( Million NT\$)	No.	Amount ( Million NT\$)	No.	Amount ( Million NT\$)
2003	7 636 663	376 824	3 689 095	325 394	1 226 957	15 369	2 704 646	30 268
2004	8 107 710	462 559	3 759 465	398 180	1 224 404	15 855	3 095 455	35 332
2005	8 535 677	483 150	3 905 715	403 951	1 343 035	15 662	3 241 335	37 850
2006	9 845 826	631 939	4 854 173	505 552	1 480 608	15 450	3 380 394	41 756
2007	11 130 011	846 470	5 704 282	639 659	1 560 336	15 191	3 669 370	46 390
2008	12 372 370	1 090 922	6 478 569	873 637	1 670 596	16 065	3 995 534	52 619
2009	12 338 373	886 745	5 680 358	597 103	1 849 098	17 128	4 521 660	57 681
2010	16 382 298	1 176 108	8 372 098	726 199	1 802 175	16 846	5 499 954	62 231
2011	17 790 789	1 400 344	9 257 744	963 634	1 753 575	17 509	5 891 250	67 485
2012	20 526 576	1 232 926	11 511 533	922 126	1 808 178	17 900	6 415 404	73 766

  

Year	Individual insurance		Group insurance					
	Annuity		Life		Accident		Health	
	No.	Amount ( Million NT\$)	Persons	Amount ( Million NT\$)	Persons	Amount ( Million NT\$)	Persons	Amount ( Million NT\$)
2003	15 965	5 793	39 449	4 841	128 194	3 687	262 012	4 901
2004	28 386	13 192	57 759	8 153	132 142	3 992	333 669	5 880
2005	45 592	25 688	32 770	5 668	110 927	3 756	455 109	6 607
2006	130 651	69 180	24 397	5 577	113 624	3 617	465 333	7 172
2007	196 023	145 230	22 231	6 510	126 789	3 502	429 630	7 465
2008	227 671	148 601	21 261	6 111	163 685	3 483	467 546	8 049
2009	287 257	214 833	17 160	3 836	178 048	3 392	506 069	8 374
2010	708 071	370 832	18 158	3 604	182 991	3 295	526 141	8 457
2011	888 220	351 715	20 115	3 882	193 122	3 382	635 489	8 610
2012	791 461	219 135	23 237	4 113	209 850	3 413	970 822	8 583

**Table 144. Premium receipts of life insurance industry**

Million NT\$

Year	Individual insurance					Group insurance			
	Total	Life	Accident	Health	Annuity	Total	Life	Accident	Health
2003	1 110 704	864 722	52 044	120 321	73 617	21 948	6 837	9 510	5 601
2004	1 286 064	948 114	48 706	134 241	155 004	22 425	6 896	9 188	6 341
2005	1 434 274	1 120 305	49 059	143 869	121 040	23 478	6 803	9 444	7 230
2006	1 541 197	1 238 954	49 537	155 594	97 113	22 503	6 059	8 666	7 778
2007	1 852 408	1 461 458	50 100	171 412	169 438	22 689	5 105	8 262	9 322
2008	1 897 626	1 330 840	50 609	188 180	327 997	21 217	4 573	7 493	9 151
2009	1 986 763	1 301 359	50 026	210 842	424 536	19 796	4 215	6 867	8 714
2010	2 292 855	1 491 337	49 088	225 365	527 064	19 995	4 511	7 063	8 421
2011	2 177 719	1 671 867	50 229	242 013	213 610	20 453	4 774	6 883	8 795
2012	2 457 572	1 927 367	51 751	263 150	215 304	20 776	5 081	6 943	8 752

**Table 145. Acquisitions of investments of life insurance industry**

Million NT\$

Year	Total	Cash in <sup>1</sup> bank	Securities	Real estate <sup>2</sup>	Loan to policyholders	Loans	Foreign investments	Authorized projects or public investment	Others <sup>3</sup>
1998	1 704 610	387 842	460 694	136 310	216 034	397 502	63 631	42 596	-
1999	1 998 929	401 701	596 092	159 640	264 848	428 733	83 427	64 487	-
2000	2 334 625	354 855	794 403	185 281	330 600	476 146	108 085	85 255	-
2001	2 740 569	341 650	905 248	195 774	382 642	488 707	335 010	91 538	-
2002	3 294 492	270 107	1 293 069	219 301	398 198	482 717	538 750	92 350	-
2003	4 207 290	180 375	1 727 087	221 859	426 608	447 115	1 114 148	90 099	-
2004	4 980 390	196 751	2 251 995	230 690	426 087	438 725	1 355 025	81 117	-
2005	5 838 282	189 966	2 643 542	240 473	443 844	461 055	1 786 062	73 340	-
2006	6 847 781	315 772	3 132 905	261 736	481 385	524 702	2 075 678	55 603	-
2007	7 481 072	410 953	3 252 401	294 946	542 370	617 042	2 336 141	27 217	-
2008	7 981 732	529 959	3 439 311	321 072	616 912	631 347	2 419 200	23 931	-
2009	9 262 559	688 378	3 999 857	386 923	612 523	569 810	2 980 183	24 884	-
2010	10 556 011	731 531	4 477 511	479 756	581 607	545 684	3 643 166	20 258	76 497
2011	11 468 150	705 905	4 700 105	543 299	569 237	569 502	4 327 620	17 030	35 452
2012	13 031 322	813 423	5 029 684	642 903	557 819	631 634	5 290 579	17 420	47 859

Notes : <sup>1</sup> Cash in bank include current deposits, check deposits and time deposits.

<sup>2</sup> Prior to 2009, real estate don't include private use.

<sup>3</sup> Including investments in insurance-related businesses, derivatives trading, and other funds allocations as approved by the competent authority



## EXTERNAL TRADE

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

Imports and exports statistics cover only cargoes exported to and imported from foreign countries; fish sales and bunker oil receipts at local ports have also been included in exports since 1970. Values of exports are priced on a free-on-board (F.O.B.) basis, and values of imports are priced on a cost-insurance-freight (C.I.F.) basis. Exported goods are classified according to the country of destination which was declared by the exporter. If there are more than one destination, the final destination shall be applied. Imported goods are classified according to the country of origin. Trade indices, compiled from a sample of 1,872 export items and 1,968 import items, can be classified into five categories and their formulas as follows:

$$1. \text{ Value index: } I_v = \frac{\sum p_i q_i}{\sum p_0 q_0} \times 100$$

where  $\sum p_i q_i$  refers to the total value of export (import) commodities group in the current period, and  $\sum p_0 q_0$  refers to that in the base period.

$$2. \text{ Unit value index : } I_p = \sqrt{\frac{\sum p_i q_0}{\sum p_0 q_0} \times \frac{\sum p_i q_i}{\sum p_0 q_i}} \times 100$$

where  $P_i$  refers to the unit value in the current period,  $P_0$  refers to the unit value in the base period,  $q_i$  refers to the quantity in the current period,  $q_0$  refers to the quantity in the base period, and  $\sum p_i q_i$ ,  $\sum p_0 q_0$  refer to the total sample values of commodities of the given group in the current period, the base period respectively.

$$3. \text{ Quantum index: } I_Q = I_v / I_p \times 100$$

$$4. \text{ Net terms of trade: } T_N = I_{PE} / I_{PI} \times 100$$

Where  $I_{PE}$  means the unit value index of export,  $I_{PI}$  means the unit value index of import.

$$5. \text{ Income terms of trade: } T_I = T_N \times I_{QE} / 100$$

Where  $I_{QE}$  means the quantum index of export.

Table 146. Value of

End of Year	Exports			Million NT\$
	Million NT\$	Million US\$	Annual change (%)	
1983	1 008 790	25 207	16.2	815 050
1984	1 209 578	30 580	19.9	872 242
1985	1 226 718	30 819	1.4	803 382
1986	1 509 630	39 931	23.1	917 546
1987	1 710 000	53 754	13.3	1 114 418
1988	1 735 138	60 784	1.5	1 424 243
1989	1 751 226	66 435	0.9	1 387 023
1990	1 808 420	67 425	3.3	1 473 688
1991	2 051 049	76 563	13.4	1 698 335
1992	2 064 353	82 122	0.6	1 825 784
1993	2 261 835	85 957	9.6	2 043 494
1994	2 489 032	94 300	10.0	2 270 895
1995	2 994 173	113 342	20.3	2 755 095
1996	3 221 533	117 581	7.6	2 830 309
1997	3 541 490	124 170	9.9	3 291 194
1998	3 760 473	112 595	6.2	3 522 508
1999	3 986 374	123 733	6.0	3 592 789
2000	4 729 286	151 950	18.6	4 391 226
2001	4 254 285	126 314	- 10.0	3 644 181
2002	4 670 404	135 317	9.8	3 918 415
2003	5 172 958	150 601	10.8	4 409 978
2004	6 097 235	182 370	17.9	5 656 672
2005	6 374 496	198 432	4.5	5 877 163
2006	7 279 318	224 017	14.2	6 604 337
2007	8 087 934	246 677	11.1	7 211 791
2008	8 010 379	255 629	- 1.0	7 551 084
2009	6 708 884	203 675	- 16.2	5 757 178
2010	8 656 832	274 601	29.0	7 943 487
2011	9 041 593	308 257	4.4	8 280 371
2012	8 899 965	301 181	- 1.6	8 021 456

**Notes :** 1.From Jan. 2006, the Compilation of Customs Trade Statistics adopts the United Nations "International Merchandise Trade Statistics (IMTS) Compilers Manual, 2004". Under IMTS Criteria, the data of re-exports and re-imports of each Classification are included in their relevant total exports/imports, respectively. The historical data have been revised on this table.

2.Annual change(%) refers to the annual increase rate of million of NT\$.

**external trade**

Imports		Balance		Exchange rate (US\$ per NT\$)	
Million US\$	Annual change (%)	Million NT\$	Million US\$	Exports	Imports
20 316	10.5	193 740	4 891	40.02	40.12
21 994	7.0	337 336	8 586	39.55	39.66
20 141	- 7.9	423 336	10 678	39.80	39.89
24 195	14.2	592 084	15 736	37.81	37.92
35 001	21.5	595 582	18 753	31.81	31.84
49 713	27.8	310 895	11 071	28.55	28.65
52 314	- 2.6	364 203	14 120	26.36	26.51
54 786	6.2	334 732	12 639	26.82	26.90
63 142	15.2	352 714	13 421	26.79	26.90
72 353	7.5	238 569	9 770	25.14	25.23
77 393	11.9	218 341	8 564	26.31	26.40
85 698	11.1	218 137	8 602	26.39	26.50
104 012	21.3	239 078	9 330	26.42	26.49
102 922	2.7	391 224	14 659	27.40	27.50
114 955	16.3	250 296	9 215	28.52	28.63
105 230	7.0	237 965	7 366	33.40	33.47
111 196	2.0	393 585	12 537	32.22	32.31
140 732	22.2	338 060	11 218	31.12	31.20
107 971	- 17.0	610 104	18 344	33.68	33.75
113 245	7.5	751 989	22 072	34.51	34.60
128 010	12.5	762 980	22 590	34.35	34.45
168 758	28.3	440 563	13 613	33.43	33.52
182 614	3.9	497 333	15 817	32.12	32.18
202 698	12.4	674 981	21 319	32.49	32.58
219 252	9.2	876 143	27 425	32.79	32.89
240 448	4.7	459 295	15 181	31.34	31.40
174 371	- 23.8	951 706	29 304	32.94	33.02
251 236	38.0	713 345	23 364	31.53	31.62
281 438	4.2	761 222	26 820	29.33	29.42
270 473	- 3.1	878 509	30 708	29.55	29.66

Table 147. Indices of external trade

2011 = 100

Year	Value index		Quantum index		Unit value index		Net terms of trade	Income terms of trade
	Exports	Imports	Exports	Imports	Exports	Imports		
1993	26.02	24.71	52.31	49.54	49.74	49.88	99.72	52.17
1994	28.55	27.46	55.30	49.92	51.62	55.01	93.84	51.90
1995	34.28	33.31	57.74	54.70	59.37	60.89	97.50	56.30
1996	36.92	34.18	60.03	55.34	61.50	61.78	99.56	59.77
1997	40.46	39.78	64.46	64.33	62.78	61.83	101.54	65.45
1998	42.93	42.54	65.25	67.03	65.79	63.47	103.65	67.63
1999	45.54	43.43	67.62	68.86	67.34	63.07	106.78	72.20
2000	53.66	53.05	72.97	75.78	73.53	70.00	105.05	76.66
2001	48.10	43.95	62.13	67.55	77.42	65.05	119.00	73.93
2002	52.40	47.28	67.63	72.92	77.47	64.84	119.49	80.81
2003	57.56	53.23	69.31	77.90	83.05	68.33	121.54	84.24
2004	67.62	68.33	74.17	90.06	91.16	75.87	120.16	89.13
2005	70.72	70.97	79.28	92.17	89.20	77.00	115.85	91.85
2006	80.51	79.76	86.45	94.65	93.13	84.27	110.51	95.54
2007	89.45	87.10	93.17	97.11	96.01	89.69	107.06	99.74
2008	88.59	91.20	90.02	92.44	98.42	98.65	99.76	89.80
2009	74.20	69.53	81.76	83.08	90.75	83.69	108.44	88.66
2010	95.74	95.93	100.38	104.55	95.38	91.76	103.95	104.34
2011	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2012	98.43	96.87	95.98	97.14	102.55	99.73	102.83	98.70



Table 148. Composition of exports and imports

%

Year	Exports			Imports		
	Agricultural products	Processed agricultural products	Industrial products	Capital goods	Agricultural & industrial raw materials	Consumption goods
1993	0.6	3.5	95.9	16.9	70.3	12.9
1994	0.5	3.6	95.9	15.9	70.6	13.4
1995	0.4	3.4	96.2	16.2	72.0	11.8
1996	0.4	3.1	96.5	17.9	69.0	13.1
1997	0.3	1.8	97.9	18.9	67.3	13.8
1998	0.3	1.4	98.2	22.7	63.8	13.5
1999	0.3	1.3	98.4	25.7	64.1	10.2
2000	0.2	1.2	98.6	27.2	63.4	9.5
2001	0.2	1.3	98.4	24.3	65.0	10.7
2002	0.3	1.3	98.5	22.2	67.1	10.7
2003	0.3	1.2	98.6	19.9	70.1	10.1
2004	0.2	1.1	98.6	20.8	70.4	8.8
2005	0.2	1.1	98.7	18.3	72.4	9.3
2006	0.2	0.8	99.0	16.4	75.4	8.2
2007	0.2	0.8	99.1	15.7	76.5	7.8
2008	0.2	0.9	98.9	13.1	79.3	7.5
2009	0.2	0.9	98.8	14.2	76.0	9.8
2010	0.3	0.8	98.9	16.2	75.5	8.4
2011	0.3	0.9	98.8	14.0	77.2	8.8
2012	0.3	1.0	98.7	13.4	77.2	9.4

Table 149. Exports by regions

Country or area of region	1998	1999	2000	2001	2002	2003
Total	112 595 448	123 733 345	151 949 756	126 314 288	135 316 743	150 600 472
Asia	51 296 513	60 662 273	79 130 927	67 201 034	78 070 207	91 037 474
Hong Kong	25 398 248	26 825 264	32 741 718	28 712 715	32 959 608	30 868 284
Japan	9 438 826	12 042 837	16 887 176	13 024 452	12 368 037	12 429 909
Korea, Rep. of	1 509 573	2 645 415	4 002 304	3 372 790	3 963 639	4 710 279
Singapore	3 359 182	3 946 906	5 637 065	4 220 861	4 622 938	5 274 598
Thailand	2 005 672	2 194 685	2 652 616	2 197 047	2 367 314	2 639 593
Mainland China	914 872	2 602 091	4 391 494	4 895 371	10 526 873	22 890 761
Middle and Near East	2 566 248	2 228 219	2 548 746	2 239 550	2 409 650	2 752 700
Kuwait	80 804	69 006	67 043	62 956	74 941	82 005
Saudi Arabia	418 879	383 191	351 664	345 393	336 255	361 874
Europe	19 800 590	20 452 113	23 903 931	20 000 236	18 811 345	20 762 964
France	1 417 878	1 594 406	1 657 862	1 184 676	1 140 261	1 271 523
Germany	4 107 201	4 098 634	4 936 278	4 536 626	3 886 444	4 285 505
Italy	1 366 136	1 335 511	1 489 871	1 262 013	1 260 208	1 467 958
United Kingdom	3 304 758	3 873 172	4 591 422	3 375 586	2 985 876	2 931 700
Africa	1 464 452	1 300 413	1 332 643	1 178 956	1 173 013	1 373 555
Nigeria	132 454	145 839	137 568	139 672	153 587	177 825
North America	31 552 668	33 100 128	37 479 133	29 715 132	28 908 844	28 038 393
Canada	1 592 365	1 759 948	1 890 128	1 578 802	1 543 046	1 483 269
U.S.A.	29 959 134	31 339 373	35 588 452	28 135 593	27 365 143	26 553 693
Central and South America	3 229 711	2 946 951	3 974 854	3 241 729	2 936 268	2 891 524
Mexico	785 301	907 581	1 253 254	1 031 239	946 463	891 400
Panama	209 613	143 242	197 508	123 991	129 287	121 207
Brazil	676 389	471 306	781 662	573 776	474 636	456 440
Oceania	2 001 599	2 204 833	2 309 084	1 740 633	1 947 196	2 464 240
Australia	1 640 570	1 854 738	1 839 301	1 374 642	1 601 226	1 899 676
Others	683 667	838 415	1 270 438	997 018	1 060 220	1 279 622

Notes : From Jan. 2006, the Compilation of Customs Trade Statistics adopts the United Nations 'International Merchandise Trade Statistics (IMTS) Compilers Manual, 2004. Under IMTS Criteria, the data of re-exports and re-imports of each classification are include in their relevant total exports/imports, respectively. The historical yearly and monthly data of 1998 to 2005 have been revised on this table.

## and principal countries (areas)

Thousand US\$

2004	2005	2006	2007	2008	2009	2010	2011	2012
182 370 384	198 431 651	224 017 271	246 676 931	255 628 690	203 674 648	274 600 519	308 257 310	301 180 864
115 163 062	129 053 484	146 758 727	164 346 202	169 521 279	140 107 525	190 790 673	212 809 938	211 590 479
32 896 214	34 035 551	37 381 238	37 979 705	32 689 899	29 455 233	37 807 122	40 084 464	37 932 192
13 808 010	15 110 778	16 300 328	15 933 592	17 555 991	14 502 259	18 005 979	18 228 117	18 988 778
5 629 770	5 877 373	7 154 199	7 794 043	8 705 814	7 302 546	10 681 612	12 378 215	11 842 404
6 747 337	8 042 240	9 279 613	10 501 439	11 675 814	8 613 846	12 096 399	16 879 779	20 090 847
3 317 874	3 820 310	4 576 627	5 199 643	4 906 009	3 826 841	5 288 461	6 139 604	6 565 995
36 349 368	43 643 661	51 808 557	62 416 765	66 883 516	54 248 679	76 935 146	83 959 956	80 714 249
3 669 683	4 156 825	4 461 902	5 563 232	5 714 500	4 582 766	6 225 625	7 525 568	7 372 120
99 779	115 221	108 671	128 584	141 663	146 891	142 078	170 221	175 739
430 397	495 947	529 766	733 156	991 989	674 172	1 001 972	1 688 627	1 852 943
23 810 944	23 626 528	26 110 977	28 634 647	29 948 224	22 576 934	29 371 615	31 204 164	28 765 177
1 591 503	1 452 895	1 565 436	1 705 477	1 730 214	1 369 130	1 697 371	1 743 497	1 560 140
4 607 146	4 463 074	5 006 991	5 174 808	5 729 705	4 695 923	6 511 611	6 868 895	5 644 825
1 738 960	1 797 527	2 194 727	2 410 405	2 449 658	1 786 569	2 447 179	2 459 005	1 833 074
3 430 173	3 262 802	3 510 558	3 617 950	3 630 492	2 980 199	3 621 362	4 619 641	5 064 903
1 520 112	1 639 568	2 065 190	2 124 787	2 867 348	2 243 980	2 228 991	2 944 320	3 103 682
162 862	178 878	171 394	189 393	278 857	243 534	224 305	245 158	195 620
30 403 217	30 804 935	34 131 470	33 928 820	32 644 565	25 014 086	33 415 913	38 934 764	35 481 481
1 651 874	1 690 300	1 770 286	1 850 505	1 853 007	1 460 635	1 949 001	2 569 492	2 504 514
28 750 997	29 113 853	32 360 688	32 077 102	30 790 956	23 552 856	31 466 029	36 364 294	32 976 155
3 415 275	3 974 588	4 650 259	5 531 320	7 195 332	4 435 207	6 015 325	7 002 906	6 928 133
987 118	883 138	1 073 236	1 503 267	1 855 068	1 097 124	1 510 855	1 534 730	1 813 163
246 987	225 485	181 414	205 281	234 012	153 421	290 111	196 396	222 919
716 891	1 017 435	1 285 877	1 669 703	2 744 682	1 406 537	1 908 607	2 354 859	1 989 284
2 877 115	3 014 803	3 362 224	3 975 781	4 372 518	2 857 668	3 903 779	4 437 571	4 684 287
2 268 550	2 392 597	2 722 973	3 233 258	3 486 590	2 353 386	3 132 068	3 652 615	3 653 000
1 510 976	2 160 920	2 476 522	2 572 142	3 364 924	1 856 482	2 648 598	3 398 079	3 255 505

Table 150. Imports by regions

Country or area of region	1998	1999	2000	2001	2002	2003
Total	105 229 820	111 196 086	140 731 990	107 970 570	113 245 120	128 010 148
Asia	53 237 523	60 901 025	78 894 691	59 067 515	64 495 758	74 633 632
Japan	27 059 609	30 637 138	38 622 073	25 933 484	27 363 325	32 719 525
Hong Kong	2 076 093	2 223 600	2 364 182	2 051 591	1 914 898	1 917 196
Indonesia	2 114 404	2 296 941	3 020 530	2 527 889	2 592 605	2 926 646
Malaysia	3 639 473	3 895 257	5 350 520	4 232 763	4 175 555	4 766 713
Korea, Rep. of	5 682 165	7 202 328	9 027 154	6 732 022	7 741 421	8 738 160
Mainland China	4 113 882	4 528 891	6 229 334	5 902 959	7 968 584	11 017 887
Middle and Near East	3 046 486	4 111 382	6 743 442	6 608 650	7 254 743	10 423 754
Kuwait	348 869	406 830	982 191	1 130 414	1 288 812	2 002 271
Saudi Arabia	1 205 088	1 384 589	2 721 008	2 746 035	2 407 270	4 276 038
Europe	20 614 579	17 629 542	19 090 151	15 069 791	14 728 390	16 259 282
France	5 336 280	1 895 170	1 838 690	2 140 382	1 558 760	1 632 990
Germany	5 170 438	5 331 787	5 578 810	4 274 220	4 448 258	4 986 253
Italy	1 488 432	1 313 685	1 399 013	1 089 428	1 095 022	1 138 162
United Kingdom	1 711 250	1 745 372	1 952 902	1 457 087	1 371 908	1 431 079
Africa	1 964 993	2 229 846	3 285 723	2 662 104	2 133 276	2 708 960
North America	21 011 629	20 950 198	26 555 073	19 419 288	19 206 841	18 080 364
Canada	1 166 202	1 131 786	1 284 793	1 011 996	951 220	1 085 056
U.S.A.	19 845 059	19 818 117	25 269 878	18 407 253	18 255 577	16 995 299
Central and South America	1 979 124	1 921 263	2 112 591	1 545 600	1 917 063	2 413 282
Mexico	235 300	491 951	557 170	421 120	364 763	334 153
Panama	3 712	3 290	2 053	4 413	6 204	6 377
Brazil	586 926	476 836	553 936	445 178	585 429	916 297
Oceania	3 315 682	3 391 688	3 986 096	3 543 738	3 287 940	3 239 577
Australia	2 919 705	2 964 741	3 510 837	3 090 500	2 839 188	2 732 209
New Zealand	349 335	362 075	382 306	346 765	342 305	383 483
Others	59 804	61 142	64 223	53 884	221 109	251 297

Notes : From Jan. 2006, the Compilation of Customs Trade Statistics adopts the United Nations 'International Merchandise Trade Statistics (IMTS) Compilers Manual, 2004. Under IMTS Criteria, the data of re-exports and re-imports of each classification are included in their relevant total exports/imports, respectively. The historical data of 1998 to 2005 have been revised on this table.

## and principal countries (areas)

Thousand US\$

2004	2005	2006	2007	2008	2009	2010	2011	2012
168 757 598	182 614 393	202 698 135	219 251 567	240 447 789	174 370 531	251 236 390	281 437 549	270 472 560
98 423 374	106 140 212	116 019 615	121 072 145	125 021 701	98 470 638	142 925 696	157 803 052	146 676 459
43 717 802	46 053 319	46 284 409	45 936 862	46 508 013	36 220 017	51 917 431	52 199 740	47 573 642
2 309 164	2 109 729	1 880 644	1 824 902	1 492 771	1 122 556	1 627 623	1 675 452	2 658 825
4 114 535	4 542 964	5 204 299	5 775 954	7 288 968	5 183 686	6 020 156	7 428 224	7 324 846
5 424 990	5 217 223	6 051 561	6 192 410	6 762 668	4 552 646	7 695 023	8 601 508	7 841 687
11 663 599	13 239 158	14 999 578	15 158 354	13 168 383	10 506 837	16 058 786	17 860 303	15 073 236
16 792 252	20 093 696	24 783 086	28 014 979	31 391 315	24 423 472	35 945 951	43 596 545	40 908 232
14 028 569	19 152 512	24 916 352	27 825 870	38 932 912	22 513 091	31 389 369	35 993 552	43 249 097
2 770 157	4 295 825	5 007 826	5 742 741	8 074 201	4 555 730	6 124 839	7 695 823	8 614 407
5 558 950	7 437 249	9 760 161	10 409 566	15 172 687	8 657 904	11 859 219	13 846 602	14 788 757
21 258 722	21 895 493	21 452 196	23 566 635	24 450 736	19 455 679	26 004 933	29 586 190	28 266 382
2 099 857	2 544 412	2 219 958	2 381 940	2 292 829	1 784 248	2 250 204	2 725 927	2 959 940
5 852 028	6 180 253	6 135 238	7 070 040	7 474 274	5 672 902	8 264 091	9 427 645	7 754 060
1 349 320	1 451 733	1 545 193	1 475 619	1 635 421	1 830 966	1 948 810	2 300 815	2 026 501
1 745 036	1 714 064	1 781 013	1 920 418	1 917 640	1 230 253	1 672 887	1 931 543	1 844 432
4 127 848	3 602 963	5 523 164	6 131 965	7 981 802	3 823 795	7 148 340	10 569 940	9 449 299
22 984 702	22 494 970	24 038 316	28 205 133	28 115 721	19 301 419	26 912 792	27 780 934	25 228 145
1 204 323	1 324 077	1 373 811	1 697 045	1 789 105	1 147 509	1 533 417	2 022 117	1 624 297
21 780 377	21 170 843	22 664 494	26 508 055	26 326 558	18 153 900	25 379 359	25 758 792	23 063 823
3 597 714	3 614 650	4 304 109	5 007 386	6 424 456	3 974 156	6 931 525	7 677 794	7 285 036
416 523	355 401	426 738	593 182	589 580	343 214	587 485	618 252	590 648
22 945	24 635	36 294	53 782	69 014	23 543	44 841	43 940	35 366
1 332 078	1 216 347	1 065 887	1 341 776	2 192 112	1 301 204	2 445 530	2 996 745	3 042 985
4 059 870	5 397 303	6 124 580	7 114 189	9 138 665	6 554 836	9 802 562	11 913 004	10 209 557
3 429 629	4 726 429	5 349 481	6 122 115	8 270 645	5 965 882	8 921 389	10 907 288	9 287 911
459 016	507 634	502 227	565 051	571 422	459 040	610 432	730 541	691 248
276 799	316 290	319 803	328 244	381 796	276 917	121 173	113 083	108 585

Table 151. Exports and imports by SITC sections

Million US\$

	2006	2007	2008	2009	2010	2011	2012
	<b>Exports</b>						
Total	224 017	246 677	255 629	203 675	274 601	308 257	301 181
0. Food and live animals	1 785	1 836	2 259	1 914	2 401	2 942	3 286
1. Beverages and tobacco	96	101	143	197	270	338	370
2. Crude materials, inedible, except fuels	3 121	3 450	3 624	2 699	3 527	4 443	3 960
3. Mineral fuels, lubricants and related materials	10 785	13 749	18 628	11 302	14 397	17 436	21 608
4. Animal and vegetable oils, fats and waxes	44	62	79	67	82	100	97
5. Chemicals and related products, n.e.s.	22 396	28 606	31 359	25 895	35 635	40 829	38 050
6. Manufactured goods classified chiefly by material	37 854	41 869	42 497	32 026	41 670	49 009	47 073
7. Machinery and transport equipment	114 129	120 875	119 133	98 913	135 112	148 546	144 275
8. Miscellaneous manufactured articles	32 462	34 707	35 699	27 890	38 528	40 242	39 721
9. Commodities and transactions not classified elsewhere in the SITC	1 345	1 422	2 208	2 771	2 978	4 373	2 741
	<b>Imports</b>						
Total	202 698	219 252	240 448	174 371	251 236	281 438	270 473
0. Food and live animals	4 646	5 152	6 254	5 571	6 745	7 834	7 835
1. Beverages and tobacco	1 113	1 118	1 221	984	1 151	1 326	1 390
2. Crude materials, inedible, except fuels	8 923	11 468	13 087	7 760	12 671	15 115	13 100
3. Mineral fuels, lubricants and related materials	36 633	43 413	61 952	37 124	51 503	63 062	69 948
4. Animal and vegetable oils, fats and waxes	190	277	386	252	327	421	408
5. Chemicals and related products, n.e.s.	26 106	28 746	30 599	23 935	34 515	40 049	35 798
6. Manufactured goods classified chiefly by material	26 846	29 242	31 774	19 578	30 022	33 831	30 565
7. Machinery and transport equipment	78 758	79 107	75 589	62 145	90 835	94 098	87 444
8. Miscellaneous manufactured articles	16 795	17 676	16 283	13 688	19 105	20 687	19 662
9. Commodities and transactions not classified elsewhere in the SITC	2 688	3 054	3 303	3 335	4 362	5 014	4 322

## 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 of the 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 taxes, land taxes (agricultural land tax, land value tax, and land value increment tax), house tax, estate and gift taxes, security transactions tax, futures transactions tax, mining concession tax, education surtax, and deed tax. All other taxes are classified as indirect taxes.

Table 152. Net revenues and

A. By current

Year	Net revenues							
	Total		Current		Capital		Total	
	Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)
FY1988	765 439	100.0	737 872	96.4	27 567	3.6	726 468	100.0
FY1989	921 575	100.0	890 664	96.6	30 911	3.4	1 207 351	100.0
FY1990	1 092 401	100.0	1 053 410	96.4	38 991	3.6	1 097 518	100.0
FY1991	1 049 931	100.0	997 536	95.0	52 395	5.0	1 275 613	100.0
FY1992	1 257 568	100.0	1 218 653	96.9	38 915	3.1	1 561 930	100.0
FY1993	1 416 334	100.0	1 352 986	95.5	63 348	4.5	1 756 306	100.0
FY1994	1 502 754	100.0	1 441 922	96.0	60 832	4.0	1 826 367	100.0
FY1995	1 559 429	100.0	1 522 624	97.6	36 805	2.4	1 910 066	100.0
FY1996	1 604 184	100.0	1 550 943	96.7	53 241	3.3	1 843 786	100.0
FY1997	1 704 759	100.0	1 629 420	95.6	75 338	4.4	1 878 764	100.0
FY1998	2 053 458	100.0	1 960 620	95.5	92 838	4.5	1 992 593	100.0
FY1999	2 004 394	100.0	1 867 081	93.1	137 313	6.9	2 050 004	100.0
FY2000	2 784 863	100.0	2 679 563	96.2	105 299	3.8	3 140 936	100.0
2001	1 896 841	100.0	1 809 035	95.4	87 805	4.6	2 271 755	100.0
2002	1 787 919	100.0	1 706 602	95.5	81 317	4.5	2 144 994	100.0
2003	1 948 847	100.0	1 834 654	94.1	114 193	5.9	2 216 514	100.0
2004	1 927 400	100.0	1 845 279	95.7	82 121	4.3	2 245 047	100.0
2005	2 218 039	100.0	2 108 064	95.0	109 976	5.0	2 291 999	100.0
2006	2 177 018	100.0	2 094 023	96.2	82 995	3.8	2 214 226	100.0
2007	2 244 758	100.0	2 189 035	97.5	55 724	2.5	2 290 169	100.0
2008	2 231 614	100.0	2 181 188	97.7	50 425	2.3	2 343 585	100.0
2009	2 113 644	100.0	2 041 412	96.6	72 232	3.4	2 670 898	100.0
2010	2 115 554	100.0	2 062 022	97.5	53 532	2.5	2 566 804	100.0
2011 r	2 306 173	100.0	2 238 905	97.1	67 268	2.9	2 612 947	100.0
2012	2 321 204	100.0	2 259 121	97.3	62 083	2.7	2 677 993	100.0

Notes : 1. Fiscal Year (FY) means the period starting from July 1 of previous year to June 30 of current year, due to the amendment of Budget Law, FY 2000 covers 18 months starting from July, 1999 to December, 2000 and the period of fiscal year is coincided with calendar year since 2001.  
2. Prior to 2003, the figures are final audit accounts; since 2003, the figures are final account .



**expenditures of general government**

and capital

Net expenditures				Surplus or deficit					
Current		Capital		Total		Current		Capital	
Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)	Amount (Million NT\$)	Shares (%)
485 901	66.9	240 567	33.1	38 971	5.1	251 971	34.1	- 213 001	- 88.5
577 967	47.9	629 384	52.1	- 285 775	- 31.0	312 697	35.1	- 598 473	- 95.1
702 812	64.0	394 706	36.0	- 5 116	- 0.5	350 599	33.3	- 355 715	- 90.1
823 188	64.5	452 425	35.5	- 225 682	- 21.5	174 348	17.5	- 400 030	- 88.4
919 058	58.8	642 872	41.2	- 304 362	- 24.2	299 595	24.6	- 603 957	- 93.9
1 025 405	58.4	730 902	41.6	- 339 972	- 24.0	327 581	24.2	- 667 553	- 91.3
1 163 298	63.7	663 069	36.3	- 323 613	- 21.5	278 624	19.3	- 602 237	- 90.8
1 328 425	69.5	581 641	30.5	- 350 637	- 22.5	194 199	12.8	- 544 836	- 93.7
1 383 725	75.0	460 061	25.0	- 239 602	- 14.9	167 218	10.8	- 406 820	- 88.4
1 463 449	77.9	415 315	22.1	- 174 005	- 10.2	165 972	10.2	- 339 976	- 81.9
1 545 052	77.5	447 542	22.5	60 865	3.0	415 568	21.2	- 354 704	- 79.3
1 554 405	75.8	495 598	24.2	- 45 609	- 2.3	312 676	16.7	- 358 286	- 72.3
2 529 683	80.5	611 253	19.5	- 356 074	- 12.8	149 880	5.6	- 505 954	- 82.8
1 771 630	78.0	500 125	22.0	- 374 915	- 19.8	37 405	2.1	- 412 320	- 82.4
1 649 952	76.9	495 042	23.1	- 357 075	- 20.0	56 651	3.3	- 413 726	- 83.6
1 683 569	76.0	532 946	24.0	- 267 667	- 13.7	151 085	8.2	- 418 752	- 78.6
1 703 657	75.9	541 390	24.1	- 317 647	- 16.5	141 622	7.7	- 459 269	- 84.8
1 729 489	75.5	562 510	24.5	- 73 960	- 3.3	378 575	18.0	- 452 534	- 80.4
1 754 091	79.2	460 134	20.8	- 37 208	- 1.7	339 932	16.2	- 377 140	- 82.0
1 801 511	78.7	488 658	21.3	- 45 411	- 2.0	387 523	17.7	- 432 934	- 88.6
1 811 308	77.3	532 278	22.7	- 111 972	- 5.0	369 881	17.0	- 481 852	- 90.5
2 008 372	75.2	662 526	24.8	- 557 254	- 26.4	33 040	1.6	- 590 294	- 89.1
1 911 511	74.5	655 293	25.5	- 451 251	- 21.3	150 511	7.3	- 601 761	- 91.8
2 020 023	77.3	592 924	22.7	- 306 774	- 13.3	218 883	9.8	- 525 657	- 88.7
2 179 780	81.4	498 213	18.6	- 356 789	- 15.4	79 341	3.5	- 436 130	- 87.5

Table 152. Net revenues and

Item	FY 1989	FY 1990	FY 1991	FY 1992
Net revenues by sources, total	921 575	1 092 401	1 049 931	1 257 568
Revenues from taxes	629 753	794 812	748 508	909 110
Revenues from monopolies	47 666	52 921	60 113	58 513
Fees	24 863	25 364	23 846	34 403
Fines and indemnities	9 770	11 467	13 815	18 757
Surplus of public enterprises & public utilities	128 210	121 418	94 835	141 045
Profits of public properties	3 886	3 916	5 949	7 582
Capitals from sales of properties & recalled capital	30 911	38 991	52 395	38 915
Donations and contributions	442	584	620	1 016
Others	46 074	42 929	49 851	48 227
Net expenditures by administrative affairs , total	1 207 351	1 097 518	1 275 613	1 561 930
General administration	97 299	125 786	153 278	198 348
National defense	187 908	210 974	227 099	239 398
Education science and culture	205 001	227 271	288 077	324 834
Education	...	...	204 697	260 858
Science	...	...	45 679	45 094
Culture	...	...	37 701	18 882
Economic development	541 385	302 281	322 087	461 821
Agriculture	...	...	69 534	196 127
Industry	...	...	28 024	76 753
Transportation & communication	...	...	185 715	108 383
Other economic service	...	...	38 814	80 557
Social welfare	65 488	96 207	117 772	135 040
Social insurance	...	...	33 378	46 765
Social relief	...	...	13 581	6 334
Benefit service	...	...	46 374	53 780
Employment service	...	...	2 851	2 801
Medical care	...	...	21 587	25 361
Community development & environmental protection	26 104	31 248	33 089	63 042
Community development	...	...	8 200	16 414
Environmental protection	...	...	24 890	46 628
Pension & survivors' benefits	61 983	76 246	88 320	94 975
Obligations	10 701	16 755	33 398	33 936
Miscellaneous expenditure	11 483	10 749	12 492	10 537

## expenditures of general government (continued)

Million NT\$

FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
1 416 334	1 502 754	1 559 429	1 604 184	1 704 759	2 053 458	2 004 394	2 784 863
983 387	1 062 778	1 170 856	1 141 838	1 213 274	1 339 605	1 299 740	1 852 451
62 109	64 703	61 408	55 959	58 179	57 448	55 322	77 316
51 123	44 194	58 913	59 939	65 894	68 946	67 179	112 252
21 760	25 383	28 391	31 918	32 557	38 140	38 705	59 704
166 471	184 914	141 956	181 094	180 797	361 574	324 851	458 420
17 290	11 854	14 824	16 346	19 570	41 483	25 416	26 555
63 348	60 832	36 805	53 241	75 338	92 838	137 313	105 299
1 051	425	769	875	1 492	1 644	1 508	2 749
49 794	47 671	45 507	62 975	57 657	51 781	54 360	90 116
1 756 306	1 826 367	1 910 066	1 843 786	1 878 764	1 992 593	2 050 004	3 140 936
208 961	216 069	222 403	243 973	244 757	257 265	279 113	468 033
253 511	321 821	269 960	284 926	291 920	312 286	286 571	357 757
350 351	382 197	357 487	374 401	375 822	411 513	429 127	655 109
282 419	313 144	287 896	297 999	296 076	326 163	333 218	517 070
44 143	43 002	43 991	50 453	51 689	55 077	60 650	93 191
23 789	26 052	25 601	25 948	28 057	30 273	35 259	44 849
545 651	468 080	438 152	329 135	295 035	335 012	351 103	474 895
71 604	129 710	89 799	86 220	103 823	109 786	98 947	140 335
128 416	54 617	36 028	24 729	18 416	20 676	21 041	49 437
257 713	216 267	264 186	168 165	132 233	141 243	185 601	218 688
87 918	67 486	48 139	50 021	40 564	63 307	45 514	66 435
145 759	158 523	231 766	290 002	294 982	282 767	280 452	531 809
47 640	50 491	94 749	125 545	114 480	116 843	111 788	214 917
9 607	9 745	20 968	30 222	36 000	25 000	23 603	94 368
57 838	65 957	83 449	100 833	111 141	110 149	114 610	179 133
3 254	3 545	3 313	4 369	4 981	3 466	3 631	3 271
27 419	28 785	29 288	29 033	28 381	27 308	26 819	40 120
72 163	81 543	65 309	68 035	68 614	74 850	90 310	106 102
18 677	22 968	17 077	18 785	16 838	16 801	34 320	36 885
53 486	58 575	48 231	49 250	51 776	58 049	55 990	69 217
102 076	111 237	118 121	137 118	179 723	187 673	180 582	265 079
63 894	75 179	194 890	106 061	115 630	115 896	140 910	270 252
13 941	11 717	11 978	10 135	12 280	15 331	11 836	11 900

Table 152. Net revenues and

Item	2001	2002	2003	2004
Net revenues by sources, total	1 896 841	1 787 919	1 948 847	1 927 400
Revenues from taxes	1 200 278	1 190 874	1 220 116	1 353 410
Revenues from monopolies	57 563	346	-	-
Fees	76 932	125 261	76 452	85 330
Fines and indemnities	41 996	44 835	42 055	42 328
Surplus of public enterprises & public utilities	346 581	260 869	417 621	289 974
Profits of public properties	20 319	12 943	12 611	11 833
Capitals from sales of properties & recalled capital	87 762	81 317	114 192	82 121
Donations and contributions	3 748	2 053	4 944	5 329
Others	61 662	69 420	60 858	57 075
Net expenditures by administrative affairs , total	2 271 755	2 144 994	2 216 514	2 245 047
General administration	328 736	325 815	331 885	334 797
National defense	247 597	225 243	237 946	253 019
Education science and culture	430 078	437 756	464 186	469 544
Education	326 658	339 731	329 977	341 396
Science	67 847	69 839	95 097	92 023
Culture	35 573	28 185	39 112	36 125
Economic development	398 792	405 257	400 910	412 870
Agriculture	128 099	110 932	121 044	138 460
Industry	23 180	17 695	25 972	22 071
Transportation & communication	201 421	192 983	194 450	202 348
Other economic service	46 092	83 646	59 444	49 991
Social welfare	396 981	323 615	346 911	347 557
Social insurance	201 574	153 353	169 893	153 324
Social relief	39 016	19 649	18 180	19 572
Benefit service	126 862	120 266	120 561	138 848
Employment service	2 900	2 613	4 084	2 673
Medical care	26 629	27 733	34 194	33 140
Community development & environmental protection	109 597	71 702	90 061	95 008
Community development	63 360	20 542	31 535	38 712
Environmental protection	46 238	51 160	58 526	56 296
Pension & survivors' benefits	175 722	170 988	173 223	179 665
Obligations	171 565	170 966	159 667	139 331
Miscellaneous expenditure	12 687	13 652	11 726	13 254

## expenditures of general government (continued)

Million NT\$

2005	2006	2007	2008	2009	2010	2011 <sup>r</sup>	2012
2 218 039	2 177 018	2 244 758	2 231 614	2 113 644	2 115 554	2 306 173	2 321 204
1 531 297	1 556 652	1 685 875	1 710 617	1 483 518	1 565 847	1 703 989	1 733 350
-	-	-	-	-	-	-	-
88 816	91 135	96 579	94 302	92 008	96 458	96 251	95 992
43 254	42 488	44 646	46 690	41 402	43 021	41 675	66 652
375 663	325 939	291 799	264 918	330 928	286 479	293 954	298 007
12 829	14 414	15 103	14 249	14 110	16 085	14 220	16 405
109 975	82 994	55 724	50 425	72 232	53 532	67 268	62 083
5 716	6 947	7 845	8 862	8 657	12 204	9 333	11 982
50 490	56 449	47 188	41 550	70 789	41 928	79 484	36 733
2 291 999	2 214 226	2 290 169	2 343 585	2 670 898	2 566 804	2 612 947	2 677 993
341 874	345 237	343 950	350 500	357 412	368 420	376 015	388 751
247 472	234 699	255 854	262 150	297 746	286 929	288 969	304 744
473 243	484 827	492 625	495 515	581 535	554 254	588 555	595 621
347 706	358 297	362 618	362 964	426 445	407 822	441 637	449 155
93 908	91 592	96 214	95 126	99 762	103 568	100 817	100 061
31 629	34 939	33 792	37 425	55 327	42 864	46 101	46 404
430 476	341 944	383 298	432 335	601 896	517 039	473 801	403 993
144 984	95 926	106 788	112 827	162 784	191 955	171 021	132 186
23 358	19 172	16 004	34 001	38 155	36 691	27 865	20 897
214 578	185 087	218 338	234 604	250 679	228 049	232 558	199 516
47 557	41 758	42 167	50 902	150 278	60 345	42 356	51 394
357 762	370 303	372 202	368 136	388 562	415 356	446 922	540 416
162 222	163 152	162 548	147 651	189 263	203 082	225 293	303 472
20 658	20 295	23 245	25 559	24 143	30 835	31 161	36 628
144 471	153 396	151 322	158 275	136 716	138 619	147 751	162 071
2 506	2 615	2 480	2 252	2 742	4 784	5 317	3 388
27 906	30 845	32 607	34 400	35 698	38 037	37 399	34 857
100 704	88 849	87 282	82 157	91 639	89 388	88 792	84 538
38 429	25 653	24 520	13 514	18 953	12 047	8 779	10 557
62 275	63 196	62 762	68 643	72 686	77 341	80 013	73 981
191 531	196 963	200 677	202 228	205 291	201 002	213 039	218 355
132 639	138 331	139 380	134 697	129 484	119 615	121 120	124 937
16 298	13 072	14 901	15 867	17 333	14 801	15 735	16 639

Table 153. Total net

Item	FY 1983	FY 1984	FY 1985	FY 1986	FY 1987	FY 1988
<b>Total</b>	<b>342 379</b>	<b>383 364</b>	<b>394 846</b>	<b>401 800</b>	<b>461 455</b>	<b>558 046</b>
Taxes	302 478	343 212	353 109	356 975	415 318	511 637
National taxes	171 793	194 064	200 768	195 791	226 311	286 232
Customs duties	55 570	67 622	66 873	63 838	76 267	78 583
Mining concession tax	24	22	22	21	20	18
Income tax	65 016	67 957	75 889	79 440	91 339	123 122
Business income tax	28 994	33 850	36 686	37 259	44 819	61 063
Individual income tax	36 022	34 106	39 203	42 182	46 519	62 059
Estate and gift tax	2 094	2 745	2 831	2 962	4 221	4 772
Commodity tax	48 171	54 471	54 573	49 526	51 805	66 105
Tobacco and alcohol tax	-	-	-	-	-	-
Stamp tax	-	-	-	-	-	-
Securities transactions tax	918	1 247	581	3	2 660	13 632
Futures transactions tax	-	-	-	-	-	-
Business tax	-	-	-	-	-	-
Provincial & city taxes	63 880	73 948	76 880	82 832	90 687	100 900
Land tax	-	-	-	-	-	-
Agricultural land tax	-	-	-	-	-	-
Land value tax	-	-	-	-	-	-
Land value increment tax	-	-	-	-	-	-
Business tax	31 486	35 871	38 195	45 745	62 173	73 733
Stamp tax	13 723	16 186	16 531	15 291	2 558	3 061
Vehicle license tax	6 582	7 368	8 076	9 140	10 099	11 711
Harbour construction dues	12 089	14 523	14 078	12 656	15 856	12 394
Municipality & county(city) taxes	66 805	75 200	75 460	78 353	98 320	124 505
Land tax	41 051	47 196	46 094	47 068	65 416	90 173
Agricultural land tax	1 318	1 115	1 107	973	952	879
Land value tax	10 664	10 756	10 899	10 820	9 447	12 498
Land value increment tax	29 069	35 325	34 089	35 275	55 017	76 796
House tax	16 075	17 559	18 848	20 436	21 894	24 206
Vehicle license tax	-	-	-	-	-	-
Deeds tax	4 990	5 605	5 901	6 381	7 851	9 244
Stamp tax	-	-	-	-	-	-
Amusement tax	1 453	1 341	1 207	1 235	1 088	897
Slaughter tax	3 236	3 498	3 410	3 234	2 072	- 15
Feast tax	-	-	-	-	-	-
Monopoly revenues	39 901	40 152	41 738	44 824	46 137	46 409
Financial enterprises business tax	-	-	-	-	-	-
Health and welfare surcharge on tobacco	-	-	-	-	-	-

Notes : 1. Surtaxes and temporary taxes are included before 2000.

2. Taxes revenues of Kinmen Hsien & Lienchiang Hsien was included since FY 1993.

3. Fiscal Year(FY) means the period starting from July 1 of previous year to June 30 of current year, due to the amendment of Budget Law,

FY 2000 covers 18 months starting from July, 1999 to December, 2000 and since 2001 the period of fiscal year is coincided with calendar year.



Table 153. Total net

Item	FY 1998	FY 1999	FY2000	2001	2002	2003
<b>Total</b>	<b>1 397 052</b>	<b>1 355 062</b>	<b>1 929 767</b>	<b>1 257 841</b>	<b>1 225 601</b>	<b>1 252 766</b>
Taxes	1 339 605	1 299 740	1 852 451	1 200 278	1 190 874	1 220 116
National taxes	808 298	788 392	1 513 155	997 266	981 610	991 380
Customs duties	114 331	103 045	156 815	92 558	85 901	82 783
Mining concession tax	11	11	15	9	10	10
Income tax	398 390	432 389	610 580	478 636	392 939	411 087
Business income tax	163 355	194 251	307 035	233 678	165 759	213 683
Individual income tax	235 036	238 138	303 545	244 958	227 180	197 404
Estate and gift tax	25 519	21 568	39 135	22 710	23 537	30 106
Commodity tax	150 363	145 497	219 425	133 883	143 641	146 012
Tabacco and alcohol tax	-	-	-	-	41 188	49 773
Stamp tax	-	-	-	-	-	-
Securities transactions tax	119 683	84 677	160 292	63 899	76 794	69 283
Futures transactions tax	-	1 204	2 484	1 862	2 864	4 806
Business tax	-	-	324 410	203 707	214 735	197 521
Provincial & city taxes	293 087	302 397	-	-	-	-
Land tax	-	-	-	-	-	-
Agricultural land tax	-	-	-	-	-	-
Land value tax	-	-	-	-	-	-
Land value increment tax	-	-	-	-	-	-
Business tax	243 998	251 782	-	-	-	-
Stamp tax	7 094	7 399	-	-	-	-
Vehicle license tax	41 996	43 216	-	-	-	-
Harbour construction dues	-	-	-	-	-	-
Municipality & county(city) taxes	238 220	208 951	339 209	202 987	209 241	228 718
Land tax	173 803	148 313	215 533	93 182	98 069	111 803
Agricultural land tax	0	-	-	-	-	-
Land value tax	45 315	46 853	92 039	50 920	50 169	50 762
Land value increment tax	128 488	101 460	123 494	42 262	47 900	61 041
House tax	48 302	45 852	48 436	48 056	46 464	48 013
Vehicle license tax	-	-	46 689	44 688	45 886	47 765
Deeds tax	14 346	13 096	15 267	8 493	10 262	11 600
Stamp tax	-	-	11 032	7 036	6 911	7 786
Amusement tax	1 769	1 690	2 252	1 533	1 649	1 751
Slaughter tax	-	-	-	-	-	-
Education surtax <sup>1</sup>	-	-	88	25	23	18
Monopoly revenues	57 448	55 322	77 316	57 563	346	-
Financial enterprises business tax	-	-	-	-	26 083	22 433
Health and welfare surcharge on tobacco	-	-	-	-	8 298	10 217
Specifically selected goods and services tax <sup>2</sup>	-	-	-	-	-	-

Notes : <sup>1</sup> Education surtax has been excluded from the National taxes and the Municipality & county(city) taxes since 2000

<sup>2</sup> The specifically selected goods and services tax has been imposed since June 2011



## tax revenues (continued)

Million NT\$

2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>1 387 300</b>	<b>1 567 396</b>	<b>1 600 804</b>	<b>1 733 895</b>	<b>1 760 438</b>	<b>1 530 282</b>	<b>1 622 244</b>	<b>1 764 611</b>	<b>1 796 697</b>
1 353 410	1 531 297	1 556 652	1 685 875	1 710 617	1 483 518	1 565 847	1 703 989	1 733 350
1 097 710	1 269 563	1 295 680	1 420 741	1 461 840	1 238 558	1 292 839	1 423 444	1 447 900
78 885	82 374	79 567	81 859	80 426	68 827	89 484	96 323	94 918
4	1	0	0	0	0	0	0	-
455 914	625 807	646 218	730 160	834 988	640 967	590 387	710 191	760 810
241 089	329 357	311 888	382 634	445 245	334 163	285 701	367 186	367 744
214 825	296 450	334 330	347 526	389 744	306 804	304 686	343 005	393 065
29 048	30 451	28 694	28 481	28 978	22 327	40 330	23 659	28 280
159 644	168 411	159 201	149 037	126 660	127 879	150 777	164 877	160 897
48 336	50 443	51 042	50 415	49 506	45 349	44 516	44 660	44 939
-	-	-	-	-	-	-	-	-
84 148	68 204	89 954	128 895	90 630	105 956	104 574	93 990	71 940
8 272	6 342	4 072	5 758	6 692	3 750	4 556	5 860	4 298
233 460	237 531	236 931	246 137	243 961	223 503	268 214	283 884	281 817
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
255 691	261 725	260 964	265 129	248 772	244 960	273 017	280 543	285 448
133 893	135 370	131 208	133 691	116 082	112 367	136 357	141 982	143 849
-	-	-	-	-	-	-	-	-
52 617	53 706	54 660	59 009	59 127	59 054	63 044	63 374	62 712
81 276	81 664	76 547	74 682	56 955	53 313	73 313	78 608	81 137
49 323	50 877	52 494	53 883	55 343	56 347	58 203	59 467	61 796
49 904	51 863	52 548	53 271	53 255	53 050	54 052	55 380	56 534
12 937	13 178	14 014	13 637	12 696	13 066	13 815	12 640	11 693
7 771	8 458	8 714	8 837	9 650	8 464	8 945	9 397	10 009
1 862	1 979	1 986	1 809	1 745	1 666	1 646	1 676	1 566
-	-	-	-	-	-	-	-	-
9	10	8	5	5	0	- 9	1	2
-	-	-	-	-	-	-	-	-
24 230	25 712	26 644	28 131	29 706	21 853	21 602	23 806	24 720
9 661	10 387	17 508	19 888	20 115	24 911	34 795	34 609	34 352
-	-	-	-	-	-	-	2 206	4 275

Table 154. Government bonds: issues, redemption and outstanding volumes

Million NT\$

End of Year	Total	Issued by central government		Issued by provincial government	Issued by municipal government
		Construction bonds of central gov't	Others		
1984 Outstanding	43 109	30 574	14	7 102	5 419
1985 Outstanding	66 429		49 870	8 380	8 179
1986 Outstanding	92 131		73 508	9 880	8 743
1987 Outstanding	130 741		105 072	13 660	12 009
1988 Outstanding	183 939		151 422	20 920	13 390
1989 Outstanding	222 815		169 847	31 520	21 448
1990 Outstanding	188 774		127 437	42 085	19 252
1991 Outstanding	347 647		260 163	63 324	24 160
1992 Outstanding	531 404		451 058	75 175	25 171
1993 Outstanding	722 269		613 540	80 068	28 661
1994 Outstanding	797 758		710 155	65 069	22 534
1995 Outstanding	867 140		805 110	46 848	15 182
1996 Outstanding	996 277		936 146	33 158	26 973
1997 Outstanding	1 034 831		975 394		59 437
1998 Outstanding	1 043 899		969 422		74 477
1999 Outstanding	1 245 232		1 181 930		63 302
2000 Outstanding	1 480 335		1 409 036		71 299
2001 Outstanding	1 858 304		1 772 613		85 691
2002 Outstanding	2 214 536		2 124 129		90 407
2003 Outstanding	2 588 495		2 503 633		84 862
2004 Outstanding	2 852 667		2 729 233		123 434
2005 Outstanding	3 142 228		3 013 072		129 156
2006 Outstanding	3 384 723		3 239 339		145 384
2007 Outstanding	3 519 847		3 410 030		109 817
2008 Outstanding	3 736 184		3 609 731		126 453
2009 Outstanding	3 970 940		3 829 580		141 360
2010 Outstanding	4 334 298		4 187 591		146 707
2011 Outstanding	4 644 357		4 509 578		134 779
2012 { Issues	688 400		665 000		23 400
2012 { Redemption	398 289		398 238		51
2012 { Outstanding	4 934 468		4 776 340		158 128

## PRICES

This chapter is concerned with data on price indices, including wholesale price indices, consumer price indices, import price indices, and export price indices. These four kinds of indices are compiled by the Directorate-General of Budget, Accounting and Statistics(DGBAS), Executive Yuan, using the intentional sampling method and calculated by the Laspeyres weighted aggregate formula. Results of the compilation are published in the *Price Statistics Monthly*.

The Wholesale price survey covers a scope limited only to the tradable goods at the processing stage (including materials, semi-finished goods, and finished goods) and importing commodities, excluding such non-tradable products as services, real estates, and securities. The commodities under investigation are picked based on the economic structure of Taiwan Area in the base year, updated once every five years, a practice applicable to all other price indices. The priced commodities include 1,142 items, 278 items for import prices, 279 items for export prices and 585 items for domestic wholesale prices. The price of domestic manufactured goods are surveyed by monthly mailing or internet reporting to designated companies except the prices of Agriculture, Forestry and Fishing goods are obtained from the digital transmission data dispatch by the Council of Agriculture , Executive Yuan and Taipei Agricultural Products Marketing corporation. The designated companies are required to report the actual selling prices(in principal, price after adjustment for rebate, tax, and shipment, etc. around the 20th of a month) of selected commodities with the same specification. The prices of import and export goods are directly provided by the Import and Export Price Indices Survey conducted by the DGBAS.

The consumer price survey covers a scope of consumer goods and services purchased by ordinary families, excluding investment or savings goods such a financial assets and real estates. The priced items were selected based on the family consumption structure in the base year. During pricing period, the actual retail prices of the selected items are taken by investigators in 17 surveyed counties and cities. In the base year of 2011, a total of 370 items of commodities and services are selected. The date of pricing is determined by the feature of the priced items.

The import and export price survey covers a scope of commodities imported and exported. The priced items were picked based on the structure of imports and exports prevailing in the base year. The pricing is conducted by mail or through Internet Reporting System. Selected importers and exporters are required to report the actual transaction prices most close to the 20th day of a month. The export price is on a F.O.B. basis while the import, on a C.I.F. basis. For the base year of 2011, a total of 278 import categories items and 279 export categories items have been selected for pricing.

The price data contained in this chapter are not seasonally adjusted ones. For seasonally adjusted price statistics, please refer to the *Price Statistics Monthly*.

Table 155. Indices of wholesale price

2011 = 100

Item	2007	2008	2009	2010	2011	2012
General index	94.72	99.59	90.90	95.86	100.00	98.84
Domestic sales including imports	89.49	97.17	87.65	93.99	100.00	99.05
Domestic sales excluding imports	90.71	98.46	88.61	95.20	100.00	99.41
Imports	88.20	96.00	86.78	92.89	100.00	98.72
Exports	107.14	104.84	97.93	99.91	100.00	98.38
Basic group indices						
Agriculture, forestry, livestock & fishery products	74.88	90.87	84.86	89.29	100.00	100.94
Farm products	82.41	96.80	84.72	89.31	100.00	101.36
Poultry & livestock products	75.79	94.83	91.65	93.84	100.00	94.23
Forest products	101.35	97.64	87.11	99.72	100.00	93.54
Aquatic products	60.44	76.96	79.35	85.04	100.00	106.14
Quarrying and mineral products	67.86	89.94	67.11	79.42	100.00	101.03
Energy minerals	70.42	91.42	64.00	78.03	100.00	104.43
Manufacturing products	99.28	101.38	93.48	97.76	100.00	98.24
Foods	81.60	90.57	88.39	94.34	100.00	100.66
Beverages	97.16	98.90	99.91	99.68	100.00	103.10
Tobaccos	84.88	84.51	91.93	97.01	100.00	108.10
Textile products	83.22	85.00	85.77	90.73	100.00	98.01
Ready-made apparel & accessories	99.10	95.85	99.04	96.73	100.00	105.26
Leather, fur & related products	93.68	93.35	92.88	98.08	100.00	103.59
Lumber & bamboo products	91.51	94.99	92.27	99.28	100.00	100.51
Pulp, paper & allied products	88.18	96.43	88.59	100.32	100.00	95.24
Petroleum & coal products	79.11	95.27	71.36	84.32	100.00	105.24
Chemical material	86.60	90.63	74.04	89.30	100.00	93.62
Chemical products & medical goods	91.87	96.08	98.38	97.43	100.00	98.53
Rubber & plastic products	88.16	93.77	96.06	97.29	100.00	100.21
Non-metallic mineral products	101.72	108.96	108.00	102.96	100.00	97.80
Basic metal	98.08	108.38	79.13	95.62	100.00	90.24
Fabricated metal products	97.83	105.26	94.23	98.59	100.00	96.18
Electronic parts & components	128.96	114.34	113.00	107.81	100.00	99.81
Computers, electronic & optical products	126.38	115.05	114.68	106.20	100.00	100.06
Electrical equipment	95.11	96.45	92.93	97.85	100.00	98.87
Machinery & equipment	90.63	94.25	99.97	98.76	100.00	101.26
Transportation equipment & parts	92.54	94.94	99.00	98.63	100.00	101.14
Furniture & fixtures	94.13	98.83	100.79	98.98	100.00	102.13
Miscellaneous products	95.27	94.53	96.64	96.80	100.00	101.25
Water supply, electricity & gas	81.37	88.31	96.15	99.17	100.00	106.73
Water supply	100.00	100.00	100.00	98.73	100.00	100.00
Electricity	79.92	87.20	99.40	99.99	100.00	107.17
Gas	83.74	90.72	77.71	94.96	100.00	106.40

**Table 156. Indices of wholesale price by industry**

2011 = 100

Year	Agriculture, forestry livestock & fishery products	Minerals products	Manufacturing products	Manufacturing products		Water supply, electricity & gas
				Non-heavy chemical industrial products	Heavy chemical industrial products	
1998	64.42	18.23	88.60	83.67	89.89	71.56
1999	67.69	20.89	83.40	81.11	83.38	70.82
2000	60.74	25.97	84.90	80.35	85.95	72.28
2001	58.05	25.86	83.84	81.09	84.02	72.38
2002	58.31	27.21	83.68	81.99	83.36	72.09
2003	62.77	31.17	85.11	82.89	85.18	72.79
2004	70.52	38.93	90.31	84.69	91.43	73.39
2005	70.94	49.74	89.39	84.14	90.34	74.22
2006	68.56	59.96	93.83	86.04	95.57	77.83
2007	74.88	67.86	99.28	89.65	101.62	81.37
2008	90.87	89.94	101.38	93.41	103.25	88.31
2009	84.86	67.11	93.48	93.27	93.37	96.15
2010	89.29	79.42	97.76	96.58	97.96	99.17
2011	100.00	100.00	100.00	100.00	100.00	100.00
2012	100.94	101.03	98.24	98.86	97.95	106.73

**Table 157. Indices of wholesale price by stage of processing**

2011 = 100

Year	Raw materials	Intermediate materials	Finished goods	Manufacturing products			
				Capital goods	Consumer goods	Durable consumer goods	Non-durable consumer goods
1998	28.67	71.89	93.50	107.39	87.82	119.13	78.49
1999	31.81	68.26	91.65	104.31	86.43	117.20	77.25
2000	33.62	71.64	90.37	101.30	85.79	117.75	76.43
2001	33.13	69.59	89.74	100.53	85.23	115.76	76.14
2002	34.93	69.77	89.74	98.99	85.79	112.65	77.30
2003	39.50	73.14	90.02	98.47	86.44	110.35	78.59
2004	47.97	81.53	90.63	96.72	88.10	108.19	81.12
2005	55.39	81.87	90.11	92.52	89.21	104.59	83.34
2006	63.40	88.39	90.34	91.80	89.86	103.49	84.40
2007	72.31	95.74	91.94	92.07	92.05	102.94	87.20
2008	90.96	101.12	95.48	94.09	96.32	101.59	93.71
2009	71.24	92.37	97.47	100.43	95.69	102.26	92.44
2010	84.04	97.61	98.06	99.42	97.25	100.45	95.65
2011	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2012	97.62	98.48	102.33	101.02	103.12	100.72	104.30

**Table 158. Indices of consumer price by commodity quality**

2011 = 100

Year	General index	General index excluding food	Commodity					Service
			Commodity including food	Commodity excluding food	Non-durable including food	Non-durable excluding food	Durable	
1988	64.04	68.29	68.76	86.64	56.30	66.56	135.08	57.40
1989	66.87	70.57	70.66	85.71	58.50	65.67	131.77	61.36
1990	69.63	73.73	71.82	85.82	59.87	66.32	129.37	66.10
1991	72.15	77.54	72.61	87.48	60.67	68.70	128.96	70.76
1992	75.37	79.76	75.75	87.69	64.53	69.14	126.85	74.05
1993	77.59	82.06	76.80	87.56	66.01	69.54	127.74	77.59
1994	80.77	84.59	79.57	87.83	69.20	69.46	129.80	81.22
1995	83.73	87.45	82.39	90.26	71.83	71.24	132.78	84.32
1996	86.31	89.84	84.70	91.89	74.13	72.50	133.35	87.17
1997	87.09	91.32	84.36	92.37	73.89	73.89	131.02	89.22
1998	88.56	91.99	85.51	91.19	76.43	74.04	128.69	91.08
1999	88.71	92.48	84.33	90.08	75.50	73.58	125.87	92.61
2000	89.82	93.95	84.94	91.09	76.49	76.00	124.23	94.24
2001	89.82	94.27	83.98	90.16	75.85	75.93	121.33	95.23
2002	89.64	94.07	83.91	90.26	76.18	77.25	118.83	94.94
2003	89.39	93.76	83.93	90.12	76.70	78.11	114.94	94.41
2004	90.83	94.40	86.39	91.14	79.93	79.80	113.05	94.88
2005	92.92	94.89	89.94	91.43	85.12	81.38	110.41	95.59
2006	93.48	95.91	90.44	93.10	86.47	86.08	108.55	96.20
2007	95.16	97.25	92.93	95.51	89.54	89.84	108.08	97.11
2008	98.51	98.87	97.54	97.58	95.85	93.65	106.55	99.32
2009	97.66	97.84	95.95	95.57	94.68	92.24	101.51	99.05
2010	98.60	98.91	97.67	97.86	97.12	96.75	100.36	99.36
2011	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2012	101.93	101.07	103.38	102.19	104.46	103.61	99.70	100.75

Table 159. Indices of consumer price

2011 = 100

Item	2007	2008	2009	2010	2011	2012
General index	95.16	98.51	97.66	98.60	100.00	101.93
Food	89.93	97.62	97.19	97.79	100.00	104.16
Cereals & cereal products	84.81	94.77	96.44	95.86	100.00	102.20
Rice & rice products	86.55	94.52	98.85	97.48	100.00	103.36
Meat	82.50	94.80	94.43	96.27	100.00	97.72
Meat products	87.84	95.92	100.96	99.01	100.00	103.22
Eggs	83.69	101.45	101.97	90.78	100.00	107.13
Fish & shellfish	74.94	84.28	87.95	93.88	100.00	103.80
Processed fishes	79.95	89.73	95.17	96.46	100.00	101.62
Vegetables	114.88	114.77	102.33	103.51	100.00	122.18
Processed vegetables	79.96	90.28	93.13	96.09	100.00	102.87
Fruits	92.66	104.21	98.22	96.54	100.00	107.74
Processed fruits	89.94	93.42	96.85	97.78	100.00	100.17
Dairy products	82.17	91.09	93.18	97.21	100.00	104.51
Edible oil	73.71	97.90	95.35	95.69	100.00	101.22
Condiments	87.63	92.07	95.22	97.26	100.00	100.45
Alcoholic	105.04	105.41	104.05	100.64	100.00	100.09
Nonalcoholic beverages	97.01	100.40	100.61	99.96	100.00	101.74
Cooked food	86.59	94.58	98.81	97.83	100.00	102.85
Food away from home	91.08	97.87	98.55	98.58	100.00	102.32
Other food	86.34	93.82	97.45	97.75	100.00	103.32
Clothing	95.35	96.29	95.58	97.20	100.00	102.52
Garments	94.77	95.50	94.69	96.76	100.00	102.86
Footwear	98.26	99.30	99.06	98.60	100.00	101.83
Apparel services & accessories	96.04	97.55	96.92	98.66	100.00	100.37
Housing	97.54	99.04	98.70	99.15	100.00	101.13
Residential rent	99.23	99.84	99.60	99.64	100.00	100.62
Maintenance & repairs	94.98	99.26	96.96	97.65	100.00	101.07
Household appliances	95.28	97.87	98.37	97.68	100.00	101.29
Household keeping services	98.95	99.89	99.33	99.26	100.00	99.27
Water, electricity & gas supply	92.14	95.97	95.37	98.58	100.00	103.76
Transportation & communication	97.66	99.94	95.94	98.61	100.00	100.44
Transportation equipment	102.36	100.93	96.35	99.63	100.00	100.39
Oils	88.02	94.19	84.39	93.19	100.00	105.78
Communication services	100.94	102.43	101.46	100.93	100.00	97.85
Medicines & medical care	94.94	96.99	97.57	98.21	100.00	100.86
Medical care services	96.98	98.08	99.14	99.66	100.00	100.81
Medicines & health food	88.52	93.22	93.08	94.44	100.00	101.11
Medical supplies & appliance	100.76	101.28	100.28	99.34	100.00	100.42
Education & entertainment	100.02	101.33	99.53	99.48	100.00	100.68
Educational expenses	102.62	102.47	101.33	100.13	100.00	99.78
Entertainment expenses	96.46	99.72	96.97	98.55	100.00	101.96
Miscellaneous	91.72	93.25	95.80	98.62	100.00	102.30
Tobacco & betelnut	78.63	79.48	87.80	97.09	100.00	104.28
Cosmetic items	96.20	99.69	100.68	100.36	100.00	101.18
Personal care services	101.27	100.86	100.39	99.85	100.00	101.26
Others	96.53	98.73	98.60	98.98	100.00	102.47

**Table 160. Import price indices by basic group**

2011 = 100

Item	2007	2008	2009	2010	2011	2012
General index	88.20	96.00	86.78	92.89	100.00	98.72
Animal products	87.57	82.31	75.93	87.61	100.00	97.49
Vegetable products	78.30	100.63	80.49	86.32	100.00	101.04
Prepared foodstuffs, beverages, spirits & tobacco	82.46	83.16	88.61	96.54	100.00	103.48
Mineral products	66.75	89.19	66.18	78.95	100.00	101.29
Products of the chemical or allied industries	90.22	94.52	84.77	91.95	100.00	96.92
Plastics, rubber & articles thereof	80.64	87.51	87.97	96.27	100.00	94.50
Leather & articles thereof	89.44	86.33	88.69	100.08	100.00	101.70
Wood & articles of wood	95.07	96.38	90.54	99.82	100.00	99.45
Wood pulp, paper & articles thereof	93.84	97.85	88.58	102.20	100.00	91.57
Textiles & textile articles	71.52	71.83	73.62	82.17	100.00	88.71
Stone materials, glass & glassware	90.75	96.56	104.55	105.64	100.00	91.57
Base metals & articles of base metal	100.83	106.60	78.49	95.91	100.00	90.21
Machinery, electrical equipment, TV image & sound recorders, etc	107.52	102.00	107.89	103.04	100.00	101.23
Transportation equipment	80.73	85.91	95.22	97.14	100.00	101.17
Optical, measuring, medical instruments, musical instruments & parts thereof	101.79	100.08	104.56	102.74	100.00	100.68
Miscellaneous manufactured articles	89.36	95.94	103.19	101.12	100.00	101.67

**Table 161. Export price indices by basic group**

2011 = 100

Item	2007	2008	2009	2010	2011	2012
General index	107.14	104.84	97.93	99.91	100.00	98.38
Animal products	63.34	75.51	72.45	80.77	100.00	107.31
Prepared foodstuffs, beverages, spirits & tobacco	83.62	91.34	104.94	102.43	100.00	105.37
Mineral products	77.74	100.48	66.73	79.42	100.00	103.91
Products of the chemical or allied industries	89.57	90.07	79.27	92.45	100.00	92.09
Plastics, rubber & articles thereof	89.06	94.53	84.83	93.78	100.00	96.74
Wood pulp, paper & articles thereof	87.30	95.92	87.05	102.50	100.00	94.83
Textiles & textile articles	83.93	84.83	87.72	93.36	100.00	96.82
Stone materials, glass & glassware	96.09	94.63	89.82	101.72	100.00	93.63
Base metals & articles of base metal	103.84	107.24	89.03	99.10	100.00	92.24
Machinery, electrical equipment, TV image & sound recorders, etc	124.61	113.69	113.10	107.39	100.00	99.91
Transportation equipment	95.90	96.25	101.46	98.92	100.00	101.29
Optical, measuring, medical instruments, musical instruments & parts thereof	130.00	115.98	110.16	107.07	100.00	99.58
Miscellaneous manufactured articles	100.43	101.06	105.11	100.83	100.00	102.55



## ADMINISTRATION

This chapter is concerned with information on civil service personnel, central and local public office elections and aids extended for foreign countries. Information on civil service personnel is obtained from the official statistics of the Ministry of Civil Service, contained in the *Statistical Yearbook of Civil Service*. Data on public office elections are compiled by the Central Election Commission and incorporated in the *Statistical Yearbook of Interior* published by the Ministry of the Interior. As for data on aids extended for foreign countries are from the International Cooperation Department, Ministry of Economic Affairs.

**Civil Service Personnel** -- They include all politically appointed officials and administrative officers filling in civil service positions given with specific titles, grades and steeds at executive agencies, public enterprises, public schools, and other organizations formed on accordance with laws. Also included in this category are elected chiefs of government offices and military officers filling in civil service positions.

**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. The election for the second term of legislators was elected for late December 1992.

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

Table 162. Civil service personnel

Year	Total	Administrative agencies		
		Sub-total	Central government	Local governments
1983	463 196	162 548	45 270	117 278
1984	476 233	168 488	46 888	121 600
1985	491 250	172 238	48 349	123 889
1986	498 909	176 395	50 158	126 237
1987	507 238	177 927	50 980	126 947
1988	530 068	190 101	51 764	138 337
1989	552 519	202 687	54 677	148 010
1990	569 768	205 623	73 198	132 425
1991	574 658	213 897	77 911	135 986
1992	592 976	221 775	82 648	139 127
1993	607 457	229 974	85 156	144 818
1994	612 514	233 064	87 955	145 109
1995	618 170	240 901	93 322	147 579
1996	442 972	244 463	94 429	150 034
1997	441 716	245 246	95 238	150 008
1998	417 381	245 282	93 948	151 334
1999	409 995	242 847	116 769	126 078
2000	408 515	240 780	113 934	126 846
2001	395 523	217 211	91 806	125 405
2002	389 957	218 958	90 491	128 467
2003	376 128	218 775	89 348	129 427
2004	368 899	217 418	88 420	128 998
2005	337 261	215 783	87 376	128 407
2006	335 274	216 422	87 018	129 404
2007	336 842	218 793	88 647	130 146
2008	338 305	219 615	89 052	130 563
2009	339 875	222 336	90 541	131 795
2010	340 106	225 351	93 060	132 291
2011	343 323	227 071	92 518	134 553
2012	343 861	228 913	92 821	136 092

Notes : From year 2001, data sourced from national official personnel database, which exclude those of public school teachers.

## by organizations

Persons

Public enterprise organizations and Hygiene & Medical service organizations			Public schools(staff)		
Sub-total	Central government	Local governments	Sub-total	Central government	Local governments
139 222	69 674	69 548	161 426	14 088	147 338
144 340	75 372	68 968	163 405	15 000	148 405
153 093	76 419	76 674	165 919	15 800	150 118
154 462	77 816	76 646	168 052	16 312	151 740
157 179	79 115	78 064	172 132	17 277	154 855
161 359	79 537	81 822	178 608	18 978	159 630
165 385	83 826	81 559	184 447	19 840	164 607
171 538	89 091	82 447	192 607	21 269	171 338
170 841	90 311	80 530	189 920	24 548	165 372
176 547	96 766	79 781	194 654	25 993	168 661
177 791	96 958	80 833	199 692	27 098	172 594
176 683	95 075	81 608	202 767	27 702	175 065
170 897	89 650	81 247	206 372	28 462	177 910
169 666	89 457	80 209	28 843	...	...
167 136	88 166	78 970	29 334	...	...
142 410	97 629	44 781	29 689	...	...
136 356	133 999	2 357	30 792	...	...
136 472	134 099	2 373	31 263	...	...
152 375	144 027	8 348	25 937	10 756	15 181
144 022	135 824	8 198	26 977	11 450	15 527
130 391	122 747	7 644	26 962	11 349	15 613
125 549	118 349	7 200	25 932	10 735	15 197
97 769	91 352	6 417	23 709	9 442	14 267
94 883	88 797	6 086	23 969	9 471	14 498
93 720	87 801	5 919	24 329	9 512	14 817
93 988	88 133	5 855	24 702	9 635	15 067
92 460	86 703	5 757	25 079	9 630	15 449
89 400	83 719	5 681	25 355	9 602	15 753
90 758	85 058	5 700	25 494	9 538	15 956
88 813	85 162	3 651	26 135	9 687	16 448

Table 163. Civil service

Year	Total	24-	25-29	30-34	35-39
1983	463 196	34 334	75 358	89 235	61 329
1984	476 233	35 049	74 844	92 847	67 336
1985	491 250	34 201	72 836	95 279	78 259
1986	498 909	32 282	71 154	95 257	86 883
1987	507 238	30 426	69 878	94 564	91 945
1988	530 068	32 267	73 714	95 845	97 462
1989	552 519	36 156	76 493	98 647	102 142
1990	569 768	40 635	79 613	97 320	103 202
1991	574 658	41 665	79 142	97 325	104 417
1992	592 976	39 157	81 502	99 382	109 279
1993	607 457	37 437	83 288	102 524	110 374
1994	612 514	38 472	81 744	101 230	109 179
1995	618 170	37 676	85 830	102 480	107 832
1996	442 972	20 843	57 293	74 828	79 804
1997	441 716	16 875	55 581	72 714	79 911
1998	417 381	11 451	49 205	67 022	76 300
1999	409 995	7 387	44 215	66 123	74 318
2000	408 515	5 345	38 973	66 151	72 829
2001	395 523	4 200	34 461	63 341	69 026
2002	389 957	3 244	29 152	61 876	67 506
2003	376 128	3 734	24 599	58 395	66 116
2004	368 899	3 563	20 676	53 337	67 318
2005	337 261	3 518	17 212	46 518	65 167
2006	335 274	4 454	16 010	42 356	64 009
2007	336 842	4 883	18 269	38 037	62 979
2008	338 305	5 892	20 818	35 084	59 655
2009	339 875	5 718	22 202	33 750	55 813
2010	340 106	5 121	24 982	34 209	51 521
2011	343 323	5 291	25 978	36 391	48 805
2012	343 861	6 074	26 166	40 488	45 551

Notes : From year 2001, data sourced from national official personnel database, which exclude those of public school teachers.

**personnel by ages**

Persons

40-44	45-49	50-54	55-59	60-64	65+	Average age (Years)
51 098	39 404	43 724	45 557	21 600	1 557	39.8
52 230	41 331	41 083	46 405	23 521	1 587	39.8
53 571	44 434	39 118	45 672	26 073	1 807	39.9
54 171	47 364	37 175	44 413	28 176	2 034	40.0
57 551	50 209	37 405	42 859	30 042	2 359	40.2
65 085	52 845	40 523	39 287	30 234	2 806	40.1
70 979	56 400	42 904	36 281	29 690	2 827	39.8
79 785	55 727	43 997	36 085	30 323	3 081	39.7
87 625	55 622	44 658	32 783	28 151	3 270	39.6
94 939	60 592	47 417	31 569	26 372	2 767	39.6
97 712	66 011	49 375	32 476	25 601	2 659	39.7
100 246	70 473	49 943	34 050	24 636	2 541	39.8
102 783	76 083	46 856	35 333	21 221	2 076	39.6
77 539	58 963	31 591	25 354	14 814	1 943	40.0
78 179	63 451	33 599	25 623	14 032	1 751	40.3
75 913	64 329	34 649	23 957	13 369	1 186	40.8
75 588	66 276	37 823	23 466	13 653	1 146	41.3
74 653	69 965	42 542	22 969	13 895	1 193	41.8
73 001	69 963	46 489	20 554	13 104	1 384	42.1
72 569	69 903	50 280	21 455	12 395	1 577	42.0
70 452	69 030	50 713	21 673	10 459	957	42.2
69 481	68 774	51 354	22 519	10 710	1 167	42.5
64 440	61 915	45 747	22 300	9 200	1 244	42.6
64 077	62 346	46 285	25 203	9 124	1 410	42.9
63 383	63 413	47 551	27 220	9 711	1 396	43.1
63 877	64 098	48 915	28 345	10 834	787	43.2
65 753	64 184	49 871	29 338	12 525	721	43.4
66 415	63 946	49 545	30 369	13 472	526	43.4
65 672	64 117	49 636	30 728	15 875	830	43.5
65 143	63 894	48 928	30 449	16 282	886	43.4

Table 164. Central

Year and kind of election	Population	Eligible voters	Date of balloting			Number of candidates		
			Year	Month	Day	Sub-total	Male	Female
1983 Legislators	18 647 856	10 908 171	1983	12	3	171 (270)	149 (...)	22 (...)
1986 National assemblymen	19 405 473	11 790 344	1986	12	6	169	144	25
Legislators	19 405 473	11 814 315	1986	12	6	137 (...)	125 (...)	12 (...)
1987 Members of Control Yuan	...	169	1987	1	10	58	...	...
1989 Legislators	20 040 882	12 600 901	1989	12	2	302 (...)	276 (...)	26 (...)
1991 2nd term National assemblymen	20 491 467	13 083 119	1991	12	21	627 (160)	551 (145)	76 (15)
1992 2nd term legislators	20 685 341	13 421 170	1992	12	19	348 (55)	312 (45)	36 (10)
1995 3rd term legislators	21 263 225	14 153 420	1995	12	2	332 (65)	292 (55)	40 (10)
1996 The 9th President	21 311 885	14 313 288	1996	3	23	4	4	0
3rd term National assemblymen	21 222 112	14 130 084	1996	3	23	432 (159)	353 (135)	79 (24)
1998 4th term legislators	21 833 772	14 961 930	1998	12	5	397 (101)	333 (79)	64 (22)
2000 The 10th President	22 134 777	15 462 625	2000	3	18	5	5	-
2001 5th term legislators	22 350 363	15 822 583	2001	12	1	455 (129)	372 (102)	83 (27)
2004 The 11th President	22 573 965	16 507 179	2004	3	20	2	2	-
6th term legislators	22 640 250	16 559 254	2004	12	11	386 (106)	321 (75)	65 (31)
2008 The 12th President	22 925 311	17 321 622	2008	3	22	2	2	-
7th term legislators	22 925 311	17 179 656	2008	1	12	295 (128)	235 (67)	60 (61)
2012 The 13th President	23 224 912	18 086 455	2012	1	14	3	2	1
8th term legislators	23 224 912	17 980 578	2012	1	14	283 (127)	215 (64)	68 (63)

Notes : Figures in parentheses for years before 1989 refer to the legislators and Control Yuan members selected among overseas Chinese while that for 1991 afterwards represents the number of seats elected from national and overseas Chinese candidates registered by the political parties based on the proportion of votes won by these parties.

## public office elections

Persons, %

Number of elected officials			Turn-outs	Eligible voters as % of population	Turn-outs as % of eligible voters	Elected officials as % of candidates
Sub-total	Male	Female				
71 (27)	63 (27)	8 (-)	6 891 160	58.50	63.17	41.52
84 73 (27)	68 66 (26)	16 7 (1)	7 714 392 7 723 637	60.76 60.88	65.43 65.38	49.70 53.28
32	...	...	...	...	91.72	...
101 (29)	88 (28)	13 (1)	9 470 526	62.88	75.16	33.44
325 (100)	194 (89)	31 (11)	8 938 622	63.85	68.32	51.83
125 (36)	113 (32)	12 (4)	9 666 020	64.88	72.02	35.92
128 (36)	109 (32)	19 (4)	9 574 388	66.56	67.65	38.55
1 234 (100)	1 191 (82)	- 43 (18)	10 883 279 10 769 224	67.16 66.58	76.04 76.21	25.00 54.17
176 (49)	141 (41)	35 (8)	10 188 302	68.53	68.09	44.33
1	1	-	12 786 671	69.86	82.69	20.00
176 (49)	137 (38)	39 (11)	10 469 005	70.79	66.16	38.68
1 176 (49)	1 144 (34)	- 32 (15)	13 251 719 9 796 299	73.12 73.14	80.28 59.16	50.00 45.60
1 79 (34)	1 62 (17)	- 17 (17)	13 221 609 10 050 619	75.56 74.94	76.33 58.50	50.00 26.78
1 79 (34)	1 59 (16)	- 20 (18)	13 452 016 13 390 326	77.88 77.42	74.38 74.47	33.33 27.92

Table 165. Local

Kind of election	Population	Eligible voters	Date of balloting			Number of candidates		
			Year	Month	Day	Sub-total	Male	Female
Taipei Municipality								
Mayor								
1st term	2 651 419	1 816 986	1994	12	3	4	4	-
2nd term	2 622 171	1 868 860	1998	12	5	3	3	-
3rd term	2 639 094	1 947 169	2002	12	7	2	2	-
4th term	2 627 474	2 008 434	2006	12	9	6	5	1
Councilmen								
7th term	2 649 735	1 811 825	1994	12	3	145	116	29
8th term	2 622 171	1 864 314	1998	12	5	110	82	28
9th term	2 639 094	1 943 250	2002	12	7	113	83	30
10th term	2 627 474	2 004 204	2006	12	9	103	72	31
Kaohsiung Municipality								
Mayor								
1st term	1 413 240	926 318	1994	12	3	5	5	-
2nd term	1 454 439	1 004 872	1998	12	5	4	4	-
3rd term	1 508 761	1 092 668	2002	12	7	5	4	1
4th term	1 512 255	1 140 110	2006	12	9	5	4	1
Councilmen								
4th term	1 413 460	923 456	1994	12	3	129	113	16
5th term	1 454 439	1 002 480	1998	12	5	105	90	15
6th term	1 508 761	1 090 234	2002	12	7	114	95	19
7th term	1 512 255	1 137 345	2006	12	9	77	51	26
County magistrates or city mayors of Taiwan province								
13th term	17 596 736	11 809 277	1997	11	29	80	75	5
14th term	18 216 802	12 835 467	2001	12	1	88	78	10
15th term	18 607 680	13 645 079	2005	12	3	76	67	9
16th term	9 346 529	7 051 039	2009	12	5	54	47	7
Year and kind of election	Population	Eligible voters	Date of balloting			Number of candidates		
			Year	Month	Day	Sub-total	Male	Female
2010								
Municipality								
Mayor								
New Taipei City	3 892 603	3 006 877	2010	11	27	2	1	1
Taipei City	2 608 923	2 045 925	2010	11	27	5	4	1
Taichung City	2 645 194	1 977 368	2010	11	27	2	2	-
Tainan City	1 873 754	1 467 256	2010	11	27	2	2	-
Kaohsiung City	2 772 777	2 166 119	2010	11	27	3	1	2
Councilmen								
New Taipei City	3 892 603	2 999 163	2010	11	27	142	100	42
Taipei City	2 608 923	2 039 527	2010	11	27	103	67	36
Taichung City	2 645 194	1 970 019	2010	11	27	137	102	35
Tainan City	1 873 754	1 462 844	2010	11	27	130	93	37
Kaohsiung City	2 772 777	2 158 007	2010	11	27	134	96	38



## public office elections

Persons, %

Number of elected officials			Turn-outs	Eligible voters as % of population	Turn-outs as % of eligible voters	Elected officials as % of candidates
Sub-total	Male	Female				
1	1	-	1 426 852	68.53	78.53	25.00
1	1	-	1 511 635	71.27	80.89	33.33
1	1	-	1 374 862	73.78	70.61	50.00
1	1	-	1 295 790	76.44	64.52	16.67
52	40	12	1 422 920	68.38	78.54	35.86
52	35	17	1 507 844	71.10	80.88	47.27
52	35	17	1 372 567	73.63	70.63	46.02
52	33	19	1 293 595	76.28	64.54	50.49
1	1	-	746 469	65.55	80.58	20.00
1	1	-	807 996	69.09	80.41	25.00
1	1	-	779 911	72.42	71.38	20.00
1	-	1	774 490	75.39	67.93	20.00
44	38	6	744 775	65.33	80.65	34.11
44	39	5	806 491	68.93	80.45	41.90
44	34	10	778 472	72.26	71.40	38.60
44	28	16	773 040	75.21	67.97	57.14
23	20	3	7 784 908	67.11	65.92	28.75
23	21	2	8 529 647	70.46	66.45	26.14
23	21	2	9 035 144	73.33	66.22	30.26
17	14	3	4 466 403	75.44	63.34	31.48
Number of elected officials			Turn-outs	Eligible voters as % of population	Turn-outs as % of eligible voters	Elected officials as % of candidates
Sub-total	Male	Female				
1	1	-	2 142 410	77.25	71.25	50.00
1	1	-	1 445 370	78.42	70.65	20.00
1	1	-	1 446 519	74.75	73.15	50.00
1	1	-	1 041 941	78.31	71.01	50.00
1	-	1	1 570 895	78.12	72.52	33.33
66	43	23	2 138 091	77.05	71.29	46.48
62	41	21	1 441 006	78.18	70.65	60.19
63	46	17	1 442 237	74.48	73.21	45.99
57	34	23	1 039 888	78.07	71.09	43.85
66	43	23	1 566 701	77.83	72.60	49.25

Table 166. Technical missions sent out

Country	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total	317	305	337	326	290	273	305	304	277
Africa	95	104	110	105	91	98	100	109	100
Liberia	-	-	-	-	-	11	11	10	7
Malawi	28	29	15	15	11	10	10	21	20
Swaziland	25	28	24	20	20	20	19	15	17
Guinea-Bissau	11	12	12	12	9	-	-	-	-
Central African Rep.	13	15	15	15	13	-	-	-	-
Burkina Faso	-	5	15	15	12	10	16	17	15
Niger	-	4	4	4	-	-	-	-	-
Gambia	-	10	10	10	11	10	10	10	9
Senegal	-	-	14	14	15	15	14	17	14
Chad	-	-	-	-	-	14	13	12	12
Sao Tome	-	-	-	-	-	8	7	7	6
Others	18	1	1	-	-	-	-	-	-
Middle East	8	10	9	8	8	4	27	24	23
Saudi Arabia	-	-	-	-	-	-	24	20	20
Bahrain	8	10	9	8	8	4	3	4	3
Southeast Asia	60	61	62	58	52	44	41	36	33
Thailand	-	-	4	4	4	2	2	2	2
Indonesia	20	21	20	17	21	10	10	11	8
Fiji	8	7	6	6	3	5	5	5	5
Tonga	-	-	-	-	-	-	-	-	-
Marshall Islands	-	-	-	-	-	4	4	4	4
Solomon Islands	11	11	11	9	10	8	8	2	4
Palau	6	6	6	6	5	4	3	3	3
Papua New Guinea	13	13	12	13	7	8	7	7	5
Nauru	2	3	3	3	2	3	2	2	2
Others	-	-	-	-	-	-	-	-	-
Latin America	154	160	156	155	139	127	131	129	121
Dominican Rep.	11	11	11	11	13	10	10	11	12
Panama	9	9	9	9	11	10	12	11	9
Ecuador	8	9	9	6	6	2	3	3	3
Honduras	10	11	11	12	15	13	14	13	12
Paraguay	23	22	22	20	-	11	12	11	9
Nicaragua	10	12	13	13	13	11	11	11	10
El Salvador	10	10	10	10	10	9	9	9	9
Costa Rica	9	10	10	8	18	9	9	9	8
Haiti	1	1	-	6	10	12	11	10	10
Guatemala	14	14	14	14	13	10	9	9	12
St. Vincent	8	8	8	8	8	6	6	7	6
St. Lucia	6	6	6	6	-	-	-	-	-
St. Christopher & Nevis	4	4	3	3	3	4	4	4	3
The Commonwealth of Dominica	9	9	9	8	4	6	6	5	5
Bahamas	7	7	6	6	-	-	-	-	-
Belize	8	9	7	7	7	6	6	6	6
Grenada	7	8	8	8	8	8	9	10	7
Others	-	-	-	-	-	-	-	-	-
Europe	-	-	-	-	-	-	6	6	-
Macedonia	-	-	-	-	-	-	6	6	-



**Table 167. Trainees in Japan under Taiwan-Japan technical cooperation programs**

Persons

Fiscal Year	Total	Agriculture & natural resources	Industry & mining	Transportation & public construction	Public health & environmental protection	Education & vocational training	Public security & public administration	Economic development	General and misc.
1983	199	67	26	16	38	6	10	13	23
1984	222	51	22	-	67	6	19	34	23
1985	152	52	26	5	40	3	2	10	14
1986	272	71	31	15	91	4	1	33	26
1987	186	43	29	5	51	12	5	14	27
1988	304	62	23	5	100	42	12	25	35
1989	241	49	28	12	56	35	29	14	18
1990	192	39	32	-	51	36	7	13	14
1991	202	29	29	-	47	31	8	8	50
1992	241	28	42	7	61	27	2	16	58
1993	226	17	42	10	58	21	21	18	39
1994	193	21	39	10	31	20	-	21	51
1995	201	7	45	5	26	24	18	28	48
1996	260	33	52	5	38	27	31	19	55
1997	162	9	30	5	46	20	20	8	24
1998	156	10	28	13	34	9	18	14	30
1999	80	-	10	8	14	4	16	17	11
2000	145	22	28	27	31	9	11	4	13
2001	78	6	8	23	20	-	14	3	4
2002	84	3	7	21	26	4	-	12	11
2003	69	3	11	14	12	4	3	11	11
2004	73	4	7	6	11	4	11	17	13
2005	66	4	8	14	8	-	9	15	8
2006	56	3	20	7	4	-	8	11	3
2007	53	2	10	6	6	-	6	15	8
2008	48	3	3	3	4	-	3	22	10
2009	51	3	4	3	2	4	4	24	7
2010	40	4	8	4	4	-	-	2	18
2011	30	3	-	3	3	-	6	-	15
2012	17	-	-	2	-	3	3	-	9