

Taiwan Statistical Data Book

2019

National Development Council

R.O.C. (Taiwan)

Preface

- I. The *Taiwan Statistical Data Book* is designed to give domestic and foreign readers concise statistical information on present-day Taiwan, Republic of China. The statistics cover demographic, economic, social, cultural and physical aspects. This book is produced only in English.
- II. Considering the trend of energy conservation and carbon reduction, from 2016, we will gradually replace printed copies with e-documents. Our book can be downloaded on our website: <http://www.ndc.gov.tw>.
(Home › Statistics › Taiwan Statistical Data Book)

Taiwan Statistical Data Book

Explanatory Notes

- I. Statistical data published herein are compiled from material collected from various agencies concerned.
- II. The metric system of measurement and calendar year are used unless otherwise specified.
- III. Figures which appeared in previous editions have been updated, wherever necessary.
- IV. Symbols:
 - (—) indicates inapplicability, discontinuity, etc.;
 - (...) indicates unavailability of statistical data;
 - (0) indicates that a figure is zero or less than half of the unit of measurement.

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***ABSTRACT OF KEY ECONOMIC
AND SOCIAL STATISTICS***

1-a. International Comparison of Economic Growth Rates, Foreign
Exchange Rates, and External Accounts
A. Economic Growth Rates

Unit: %

Year	Rep. of China	Hong Kong	Indonesia	India	Japan	Rep. of Korea	Mainland China	Malaysia	Philippines
2010	10.6	6.8	6.4	10.3	4.2	6.5	10.6	7.5	7.6
2011	3.8	4.8	6.2	6.6	-0.1	3.7	9.5	5.3	3.7
2012	2.1	1.7	6.0	5.5	1.5	2.3	7.9	5.5	6.7
2013	2.2	3.1	5.6	6.4	2.0	2.9	7.8	4.7	7.1
2014	4.0	2.8	5.0	7.4	0.4	3.3	7.3	6.0	6.1
2015	0.8	2.4	4.9	8.0	1.2	2.8	6.9	5.1	6.1
2016	1.5	2.2	5.0	8.2	0.6	2.9	6.7	4.2	6.9
2017	3.1	3.8	5.1	7.2	1.9	3.1	6.8	5.9	6.7
2018	2.6	3.0	5.2	7.1	0.8	2.7	6.6	4.7	6.2

Year	Singapore	Thailand	Australia	France	Germany	Italy	Switzerland	United Kingdom	United States
2010	15.2	7.5	2.4	1.9	3.9	1.7	2.9	1.7	2.6
2011	6.5	0.8	2.8	2.2	3.7	0.6	1.8	1.6	1.6
2012	4.3	7.2	3.9	0.3	0.7	-2.8	1.0	1.4	2.2
2013	5.0	2.7	2.1	0.6	0.6	-1.7	1.9	2.0	1.8
2014	4.1	1.0	2.6	1.0	2.2	0.1	2.5	2.9	2.5
2015	2.5	3.1	2.5	1.1	1.5	0.9	1.3	2.3	2.9
2016	2.8	3.4	2.8	1.2	2.2	1.1	1.6	1.8	1.6
2017	3.9	4.0	2.4	2.2	2.5	1.6	1.7	1.8	2.2
2018	3.2	4.1	2.8	1.5	1.5	0.9	2.5	1.4	2.9

Sources: (1) Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieved June 2019.

(2) IMF World Economic Outlook Database April 2019.

1-b. International Comparison of Economic Growth Rates, Foreign
Exchange Rates, and External Accounts (Continued)
B. Exchange Rates (vs. US Dollar)

Unit: National Currency per U.S. Dollar

End of Year	Rep. of China	Hong Kong	Indonesia	India	Japan	Rep. of Korea	Mainland China	Malaysia
	N.T. Dollar	H.K. Dollar	Rupiah	Rupee	Yen	Won	Yuan	Ringgit
2010	31.642	7.7692	9,090.4333	44.8100	87.7799	1,156.061	6.7703	3.2211
2011	29.464	7.7840	8,770.4333	53.2600	79.8070	1,108.292	6.4615	3.0600
2012	29.614	7.7564	9,386.6292	54.7773	79.7905	1,126.471	6.3123	3.0888
2013	29.770	7.7560	10,461.2400	61.8970	97.5957	1,094.853	6.1958	3.1509
2014	30.368	7.7541	11,865.2113	63.3315	105.9448	1,052.961	6.1434	3.2729
2015	31.898	7.7518	13,389.4129	66.3260	121.0440	1,131.158	6.2275	3.9055
2016	32.318	7.7623	13,308.3268	67.9547	108.7929	1,160.433	6.6445	4.1483
2017	30.439	7.7933	13,380.8339	63.9273	112.1661	1,130.425	6.7588	4.3004
2018	30.156	7.8385	14,236.9388	69.7923	110.4232	1,100.558	6.6160	4.0351

End of Year	Philippines	Singapore	Thailand	Australia	New Zealand	Eurozone	Switzerland	United Kingdom
	Peso	S. Dollar	Baht	A. Dollar	N.Z. Dollar	Euro	Franc	Pound
2010	45.110	1.3635	31.6857	1.0902	1.2977	0.755	0.9396	0.6468
2011	43.313	1.2578	30.4917	0.9695	1.2965	0.719	0.9409	0.6236
2012	42.229	1.2497	31.0831	0.9658	1.2191	0.778	0.9166	0.6308
2013	42.446	1.2513	30.7260	1.0358	1.2192	0.753	0.8915	0.6392
2014	44.395	1.2671	32.4798	1.1094	1.2773	0.754	0.9891	0.6070
2015	45.503	1.3748	34.2477	1.3311	1.4603	0.902	0.9921	0.6540
2016	47.492	1.3815	35.2964	1.3452	1.4351	0.904	1.0160	0.7377
2017	50.404	1.3809	33.9398	1.3048	1.4090	0.887	0.9753	0.7770
2018	52.661	1.3488	32.3102	1.3384	1.4896	0.847	0.9847	0.7496

Sources: (1) Online database of Central Bank of the Republic of China (Taiwan), retrieved May 2019.

(2) Global Insight's Comparative World Overview (Updated: 15 May 2019)

1-c. International Comparison of Economic Growth Rates, Foreign
Exchange Rates, and External Accounts (Continued)
C. Current Account Balances, External Debts, and Foreign Exchange Holdings

Unit: US\$ billion

Year	Rep. of China	Hong Kong	Singapore	Rep. of Korea	Thailand	India	Indonesia	Malaysia	Mainland China
External Current Account Balance									
2012	43.2	4.1	49.3	48.8	-1.7	-87.8	-24.4	16.2	215.4
2013	49.9	4.2	48.3	77.3	-4.9	-32.3	-29.1	11.3	148.2
2014	60.5	4.1	56.0	83.0	15.2	-26.8	-27.5	14.8	236.0
2015	73.1	10.3	52.0	105.1	32.1	-22.1	-17.5	9.0	304.2
2016	71.6	12.7	55.5	97.9	48.2	-14.4	-17.0	7.2	202.2
2017	83.5	15.9	53.9	75.2	50.2	-48.7	-16.2	9.4	164.9
2018	71.9	12.6	63.9	76.4	37.7	-68.5	-31.1	8.3	49.2
External Debt (End of Year)									
2012	130.8	1029.9	1521.9	408.9	130.7	409.4	252.4	196.9	737.0
2013	170.1	1160.8	1346.0	423.5	141.9	446.2	266.1	212.3	863.2
2014	177.9	1301.0	1412.6	424.3	141.7	474.7	293.3	214.0	1779.9
2015	159.0	1300.4	1325.6	396.1	131.1	485.1	310.7	195.0	1383.0
2016	172.2	1356.4	1389.2	382.2	132.2	471.8	320.0	203.8	1415.8
2017	181.9	1576.6	1400.5	412.0	155.2	495.7	352.5	217.9	1710.6
2018	191.2	1693.5	1468.8	440.6	158.1	510.4	376.8	223.5	...
Foreign Exchange Holdings (End of Year)									
2012	403.2	317.4	259.3	327.0	181.6	292.0	112.8	139.7	3,387.9
2013	416.8	311.2	273.1	346.5	167.3	304.2	99.4	134.9	3,880.4
2014	419.0	328.5	256.9	363.6	157.1	341.6	111.9	115.9	3,899.3
2015	426.0	358.8	247.7	368.0	156.5	360.2	105.9	95.3	3,406.1
2016	434.2	386.2	246.6	371.1	171.9	370.0	116.4	94.5	3,097.8
2017	451.5	431.4	279.9	389.3	202.6	424.5	130.2	96.4	3,235.9
2018	461.8	424.7	287.7	403.7	205.6	400.2	120.7	104.0	3,168.0

Sources: (1) IMF World Economic Outlook Database April 2019.

(2) Online database of Central Bank of the Republic of China (Taiwan), retrieved May 2019.

(3) Asia Development Bank, Asia Development Outlook April 2019.

2-a. Sources of Taiwan's Economic Growth
A. By Expenditure

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Real Growth Rate (%)									
Gross Domestic Product	10.6	3.8	2.1	2.2	4.0	0.8	1.5	3.1	2.6
Domestic Demand	10.3	0.6	0.6	2.0	3.7	1.9	2.1	1.2	3.2
Private Consumption	3.8	3.1	1.8	2.3	3.4	2.6	2.4	2.5	2.0
Government Consumption	1.1	2.0	2.2	-0.8	3.7	-0.1	3.6	-0.6	3.7
Fixed Capital Formation	19.3	-1.2	-2.6	5.3	2.1	1.6	2.4	-0.1	2.5
Private	27.6	1.2	-0.4	7.1	3.6	3.0	2.8	-1.1	1.8
Government	-2.9	-5.8	-11.0	-2.8	-7.5	-2.7	1.6	5.8	2.5
Public Enterprises	7.5	-13.4	-7.4	3.0	5.0	-7.1	-3.9	0.2	13.8
Increase in Inventory	...	...	...	...	...	...	...	...	...
Net Exports of Goods & Services	...	...	...	...	...	...	...	...	...
Exports of Goods & Services	25.7	4.2	0.4	3.5	5.9	-0.4	1.9	7.4	3.8
(Less): Imports of Goods & Services	28.0	-0.5	-1.8	3.4	5.7	1.1	3.1	5.3	5.0
Contribution (percentage point)									
Gross Domestic Product	10.6	3.8	2.1	2.2	4.0	0.8	1.5	3.1	2.6
Domestic Demand	9.6	0.5	0.6	1.9	3.4	1.7	1.9	1.1	2.8
Private Consumption	2.1	1.7	1.0	1.3	1.9	1.4	1.2	1.3	1.1
Government Consumption	0.2	0.3	0.3	-0.1	0.5	0.0	0.5	-0.1	0.5
Fixed Capital Formation	4.1	-0.3	-0.6	1.2	0.5	0.4	0.5	0.0	0.5
Private	4.1	0.2	-0.1	1.2	0.6	0.5	0.5	-0.2	0.3
Government	-0.1	-0.2	-0.4	-0.1	-0.2	-0.1	0.0	0.2	0.1
Public Enterprises	0.13	-0.24	-0.11	0.04	0.07	-0.09	-0.04	0.00	0.14
Increase in Inventory	3.2	-1.1	-0.1	-0.5	0.5	0.0	-0.4	-0.1	0.7
Net Exports of Goods & Services	1.1	3.3	1.5	0.3	0.7	-0.9	-0.4	2.0	-0.2
Exports of Goods & Services	15.5	3.0	0.3	2.5	4.1	-0.3	1.2	4.7	2.4
(Less): Imports of Goods & Services	14.4	-0.3	-1.2	2.1	3.4	0.7	1.6	2.7	2.6

Sources: Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieved

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2-b. Sources of Taiwan's Economic Growth (Continued)

B. By Industry

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Real Growth Rate (%)									
Gross Domestic Product	10.6	3.8	2.1	2.2	4.0	0.8	1.5	3.1	2.6
Agriculture	2.3	4.5	-3.2	1.4	1.6	-8.4	-10.1	8.4	2.3
Industry	20.8	6.0	3.3	1.7	7.2	-0.5	2.8	4.6	3.3
Mining and Quarrying	44.4	-4.8	-1.0	-4.2	-4.4	-6.6	-7.4	-0.6	4.7
Manufacturing	22.7	6.8	3.7	1.7	8.2	-0.3	3.1	5.3	3.4
Electricity, Gas Supply,	4.8	2.8	1.7	3.1	1.9	-5.4	4.5	-0.4	1.4
Construction	13.7	1.0	-1.4	0.9	0.8	-0.9	-1.5	-0.6	3.3
Services	6.3	3.1	1.3	2.3	3.3	1.2	1.3	2.5	2.6
Wholesale and Retail Trade	6.3	3.7	1.1	1.6	4.2	0.4	1.0	3.8	3.4
Transportation and Storage	7.6	2.1	1.8	7.6	0.9	-0.6	2.9	5.9	4.8
Accommodation and Food Services	10.6	10.0	2.4	4.1	1.9	2.1	1.7	0.3	2.9
Information and Communications	9.4	3.6	3.1	3.4	3.2	5.4	3.7	3.4	1.9
Finance, Insurance	8.4	4.2	1.1	4.0	7.6	3.8	2.4	5.1	3.4
Professional, Scientific & Technical Services	5.3	4.2	2.0	1.5	1.2	-0.2	0.6	-1.0	2.2
Supporting Services	8.5	4.4	4.8	2.5	4.4	4.9	3.1	3.5	2.8
Public Administration and Defence	3.1	0.0	0.7	-0.7	-0.2	0.1	-0.1	0.9	0.9
Educational Services	2.3	2.6	1.1	0.7	1.1	0.1	-0.9	-1.0	0.3
Human Health Services	1.6	5.5	0.3	-0.8	4.3	1.2	2.9	1.4	3.2
Others	4.3	2.2	2.0	1.6	4.8	-0.2	-0.3	1.3	4.0
Statistical discrepancy	...	...	...	...	...	...	...	...	...

2-b. Sources of Taiwan's Economic Growth (Continued)

B. By Industry

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Contribution (percentage point)									
Gross Domestic Product	10.6	3.8	2.1	2.2	4.0	0.8	1.5	3.1	2.6
Agriculture	0.04	0.07	-0.05	0.02	0.03	-0.15	-0.17	0.15	0.04
Industry	6.56	2.03	1.07	0.55	2.40	-0.21	0.99	1.64	1.20
Mining and Quarrying	0.06	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
Manufacturing	6.06	1.97	1.07	0.48	2.35	-0.08	0.92	1.64	1.08
Electricity and Gas Supply	0.07	0.05	0.00	0.03	0.00	-0.10	0.10	-0.01	0.02
Construction	0.34	0.03	-0.04	0.02	0.02	-0.02	-0.04	-0.01	0.08
Services	4.19	1.98	0.84	1.50	2.12	0.80	0.84	1.58	1.60
Wholesale and Retail Trade	1.10	0.63	0.19	0.27	0.72	0.06	0.16	0.61	0.55
Transportation and Storage	0.21	0.06	0.05	0.22	0.02	-0.02	0.09	0.17	0.14
Accommodation and Food Services	0.22	0.21	0.06	0.10	0.05	0.05	0.04	0.01	0.08
Information and Communications	0.33	0.12	0.10	0.11	0.10	0.16	0.11	0.10	0.05
Finance, Insurance	0.53	0.26	0.07	0.26	0.49	0.25	0.15	0.33	0.23
Professional, Scientific & Technical Services	0.12	0.09	0.04	0.03	0.03	0.00	0.01	-0.02	0.04
Supporting Services	0.12	0.06	0.07	0.04	0.07	0.07	0.05	0.05	0.04
Public Administration and Defence	0.24	0.00	0.05	-0.05	-0.02	0.00	0.00	0.06	0.06
Educational Services	0.11	0.12	0.05	0.03	0.05	0.01	-0.04	-0.04	0.01
Human Health Services	0.05	0.15	0.01	-0.02	0.13	0.04	0.08	0.04	0.10
Others	0.12	0.06	0.05	0.04	0.13	0.00	-0.01	0.03	0.10
Statistical discrepancy	...	...	...	...	...	...	...	...	...

2-c. Sources of Taiwan's Economic Growth (Continued)

C. By Input

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Contribution (percentage point)									
Gross Domestic Product	10.6	3.8	2.1	2.2	4.0	0.8	1.5	3.1	2.6
Increase in Employment	2.1	2.1	1.4	1.0	1.0	1.1	0.6	0.8	0.7
Increase in Labor Productivity	8.5	1.7	0.7	1.2	3.0	-0.3	0.9	2.3	1.9
Contribution (%)									
Gross Domestic Product	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Increase in Employment	19.7	54.2	68.4	45.0	25.4	133.3	41.1	24.4	27.8
Increase in Labor Productivity	80.3	45.8	31.6	55.0	74.6	-33.3	58.9	75.6	72.2

3-a. Taiwan's Macroeconomic Performance

A. Economic Growth and Price Changes

Unit: %

Period	Economic Growth Rate	Change in Consumer Prices				Change in Wholesale Prices						
		Excluding Food			Services	Excluding Exports					Exports	
		Core (excluding fresh fruits, vegetables, fish and shellfish, and energy)				Domestic Sales of Local Products	Imports		in NT\$	in US\$	in NT\$	in US\$
							in NT\$	in US\$				
2001	-1.3	0.0	0.3	-0.1	1.1	-1.3	-2.1	-2.6	-1.3	-8.7	0.3	-7.3
2002	5.6	-0.2	-0.2	0.7	-0.3	0.0	0.7	1.0	0.4	-1.9	-1.5	-3.7
2003	4.1	-0.3	-0.3	-0.6	-0.6	2.5	4.3	3.9	5.1	5.6	-1.5	-1.1
2004	6.5	1.6	0.7	0.8	0.5	7.0	9.5	10.3	8.6	11.8	1.6	4.6
2005	5.4	2.3	0.5	0.8	0.8	0.6	1.9	1.5	2.4	6.4	-2.5	1.4
2006	5.6	0.6	1.1	0.5	0.6	5.6	6.9	5.3	8.8	7.6	2.5	1.3
2007	6.5	1.8	1.4	1.5	0.9	6.5	7.6	6.4	9.0	8.0	3.6	2.6
2008	0.7	3.5	1.7	3.3	2.3	5.2	8.6	8.5	8.8	13.7	-2.1	2.1
2009	-1.6	-0.9	-1.0	0.0	-0.3	-8.7	-9.8	-10.0	-9.6	-13.9	-6.6	-11.0
2010	10.6	1.0	1.1	0.6	0.3	5.5	7.2	7.4	7.0	12.2	2.0	6.9
2011	3.8	1.4	1.1	1.3	0.6	4.3	6.4	5.0	7.7	15.4	0.1	7.4
2012	2.1	1.9	1.1	1.0	0.7	-1.2	-1.0	-0.6	-1.3	-1.9	-1.6	-2.3
2013	2.2	0.8	0.6	0.7	0.8	-2.4	-2.7	-0.7	-4.5	-4.8	-2.1	-2.4
2014	4.0	1.2	0.3	1.3	1.2	-0.6	-1.0	0.3	-2.1	-4.0	0.1	-1.9
2015	0.8	-0.3	-1.6	0.8	1.0	-8.9	-11.3	-9.6	-12.9	-16.9	-4.7	-9.0
2016	1.5	1.4	-0.1	0.8	0.8	-3.0	-3.2	-3.2	-3.1	-4.7	-2.7	-4.3
2017	3.1	0.6	1.0	1.0	1.0	0.9	2.4	3.4	1.4	7.4	-1.5	4.5
2018	2.6	1.4	1.4	1.2	0.9	3.6	5.0	3.7	6.1	7.1	1.5	2.4

Sources: Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieve June 2019.

3-b. Taiwan's Macroeconomic Performance (Continued)
B. Merchandise Exports and Imports

Period	Exports				Imports				Trade Balance
	Major Exports			Major Imports					
	Parts of Electronic Product	Information, Communication and Audio-video Products	Iron & Steel and Articles Thereof	Capital Goods	Agricultural & Industrial Raw Materials	Consumer Goods			
Amount (US\$ million)									
2011	312,923	75,473	36,762	19,356	288,062	37,498	220,673	27,479	24,861
2012	306,409	75,216	31,553	17,796	277,324	34,914	212,031	28,218	29,085
2013	311,428	80,595	31,073	17,447	278,010	36,742	208,395	29,712	33,418
2014	320,092	90,159	31,007	18,458	281,850	38,479	207,797	31,469	38,242
2015	285,344	85,913	30,479	15,300	237,219	38,054	162,615	32,002	48,124
2016	280,321	92,798	30,181	14,420	230,568	42,660	153,096	31,525	49,753
2017	317,249	107,200	34,106	17,342	259,266	42,476	179,073	34,015	57,983
2018	335,909	110,771	35,330	19,016	286,333	43,315	203,458	36,063	49,576
Rate of Increase (%)									
2011	12.6	9.2	17.8	17.9	12.4	-4.2	15.0	18.5	14.4
2012	-2.1	-0.3	-14.2	-8.1	-3.7	-6.9	-3.9	2.7	17.0
2013	1.6	7.2	-1.5	-2.0	0.3	5.2	-1.7	5.3	14.9
2014	2.8	11.9	-0.2	5.8	1.4	4.7	-0.3	5.9	14.4
2015	-10.9	-4.7	-1.7	-17.1	-15.8	-1.1	-21.7	1.7	25.8
2016	-1.8	8.0	-1.0	-5.8	-2.8	12.1	-5.9	-1.5	3.4
2017	13.2	15.5	13.0	20.3	12.5	-0.4	17.0	7.9	16.5
2018	5.9	3.3	3.6	9.7	10.4	2.0	13.6	6.0	-14.5

Sources: Online database of Ministry of Finance, R.O.C., retrieved June 2019.

3-c. Taiwan's Macroeconomic Performance (Continued)
C. Gross Fixed Capital Formation

Period	Total					Private Sector				
	Con- struction	Transport Equipment	Machinery and Other Equipment	Intangible Fixed Assets		Con- struction	Transport Equipment	Machinery and Other Equipment	Intangible Fixed Assets	
Amount (NT\$ million at current prices)										
2012	3,282,131	1,308,774	184,161	1,121,460	667,736	2,567,030	929,921	167,129	925,494	544,486
2013	3,378,731	1,332,887	186,341	1,156,245	703,258	2,685,854	971,621	163,453	970,761	580,019
2014	3,493,834	1,376,076	217,397	1,149,167	751,194	2,820,686	1,030,234	192,663	965,959	631,830
2015	3,493,267	1,328,297	224,912	1,152,350	787,708	2,863,172	1,018,944	203,408	973,166	667,654
2016	3,589,298	1,279,353	231,531	1,248,276	830,138	2,960,295	972,571	212,934	1,072,494	702,296
2017	3,584,358	1,302,226	244,369	1,171,867	865,896	2,927,444	968,342	226,032	997,283	735,787
2018	3,743,897	1,385,979	242,818	1,220,758	894,342	3,034,432	1,032,352	215,330	1,027,864	758,886
Amount (NT\$ million at 2011 constant prices)										
2012	3,259,477	1,302,102	182,485	1,110,001	664,889	2,549,613	927,440	165,605	914,537	542,031
2013	3,432,126	1,329,776	184,225	1,225,185	692,674	2,730,416	972,103	161,609	1,027,228	569,155
2014	3,502,539	1,349,526	215,199	1,216,626	718,548	2,828,301	1,014,078	190,329	1,020,963	599,778
2015	3,560,091	1,335,359	220,736	1,261,096	741,750	2,913,839	1,026,414	199,419	1,063,684	621,757
2016	3,644,042	1,304,975	225,439	1,346,189	770,048	2,996,548	994,001	205,558	1,154,812	643,934
2017	3,639,825	1,302,682	240,146	1,300,855	793,266	2,963,774	971,660	218,092	1,105,520	664,359
2018	3,729,729	1,344,854	239,532	1,337,317	806,231	3,016,899	1,005,830	209,517	1,124,699	673,393
Real Growth Rate (%)										
2012	-2.6	-1.0	2.2	-8.4	3.5	-0.4	5.0	4.2	-8.5	4.8
2013	5.3	2.1	1.0	10.4	4.2	7.1	4.8	-2.4	12.3	5.0
2014	2.1	1.5	16.8	-0.7	3.7	3.6	4.3	17.8	-0.6	5.4
2015	1.6	-1.1	2.6	3.7	3.2	3.0	1.2	4.8	4.2	3.7
2016	2.4	-2.3	2.1	6.8	3.8	2.8	-3.2	3.1	8.6	3.6
2017	-0.1	-0.2	6.5	-3.4	3.0	-1.1	-2.3	6.1	-4.3	3.2
2018	2.5	3.2	-0.3	2.8	1.6	1.8	3.5	-3.9	1.7	1.4

Source: Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieved June 2019.

3-c. Taiwan's Macroeconomic Performance (Continued)
C. Gross Fixed Capital Formation

Period	Government Sector					Public Enterprise Sector				
	Con- struction	Transport Equipment	Machinery and Other Equipment	Intangible Fixed Assets		Con- struction	Transport Equipment	Machinery and Other Equipment	Intangible Fixed Assets	
Amount (NT\$ million at current prices)										
2012	510,976	350,250	9,950	42,964	107,812	204,125	28,603	7,082	153,002	15,438
2013	492,460	336,389	7,429	40,405	108,237	200,417	24,877	15,459	145,079	15,002
2014	462,170	315,449	7,379	35,004	104,338	210,978	30,393	17,355	148,204	15,026
2015	438,990	286,269	8,936	38,853	104,932	191,105	23,084	12,568	140,331	15,122
2016	443,441	281,148	8,309	41,847	112,137	185,562	25,634	10,288	133,935	15,705
2017	473,920	306,778	9,499	44,933	112,710	182,994	27,106	8,838	129,651	17,399
2018	497,910	315,356	10,921	52,853	118,780	211,555	38,271	16,567	140,041	16,676
Amount (NT\$ million at 2011 constant prices)										
2012	506,289	346,306	9,916	42,735	107,332	203,575	28,356	6,964	152,729	15,526
2013	492,167	333,142	7,401	43,003	108,642	209,659	24,735	15,174	154,788	14,863
2014	455,137	306,316	7,412	37,272	104,034	220,035	29,637	17,242	158,232	14,520
2015	442,656	286,380	8,899	42,670	105,337	204,444	23,349	12,462	154,511	14,322
2016	449,700	285,543	8,256	45,451	111,295	196,535	26,172	10,145	145,538	14,611
2017	475,651	304,716	9,457	50,122	112,490	196,863	26,920	8,751	144,930	16,051
2018	487,685	302,915	11,009	58,101	117,570	223,996	36,769	16,530	154,312	15,181
Real Growth Rate (%)										
2012	-11.0	-13.7	11.4	-11.2	-2.9	-7.4	-6.9	-35.4	-7.1	8.2
2013	-2.8	-3.8	-25.4	0.6	1.2	3.0	-12.8	117.9	1.4	-4.3
2014	-7.5	-8.1	0.2	-13.3	-4.2	5.0	19.8	13.6	2.2	-2.3
2015	-2.7	-6.5	20.1	14.5	1.3	-7.1	-21.2	-27.7	-2.4	-1.4
2016	1.6	-0.3	-7.2	6.5	5.7	-3.9	12.1	-18.6	-5.8	2.0
2017	5.8	6.7	14.6	10.3	1.1	0.2	2.9	-13.7	-0.4	9.9
2018	2.5	-0.6	16.4	15.9	4.5	13.8	36.6	88.9	6.5	-5.4

4-a. Products of which Taiwan was among the World's Three Largest Producers in 2018

1. Including Offshore Production

Unit: %

1st Place Worldwide (18 Items)				2nd and 3rd Place Worldwide	
Items	Taiwan's Global Market Share	Items	Taiwan's Global Market Share	Items	Taiwan's Global Market Share
1. Motherboards (1)	84.8	14. High-end bicycles(2)	33.4	-- 2nd Place Worldwide (9 Items)	
2. Cable CPE (2)	83.2	15. printed circuit boards(1)	29.9	1. servers(2)	35.4
3. golf club heads(2)	81.5	16. ABS(2)	28.7	2. TFT-LCD panels (>10") (1)	30.8
4. notebook computers (2)	78.7	17. instant noodles(2)	22.0	3. TFT-LCD panels (<10") (1)	27.1
5. IC foundries(1)	75.6	18. tea drinks(2)	17.3	4. IC substrates(1)	26.0
6. WLAN (1)	68.1			5. TPE(2)	19.5
7. DSL CPE (2)	66.1			6. ball screw(1)	18.7
8. IC packaging and testing (1)	55.8			7. IC design(1)	17.0
9. desktop computers(2)	51.1			8. silicon solar cells(2)	11.0
10. functional textiles(1)	51.1			9. PTA(2)	8.7
11. PND (1)	47.9			-- 3rd Place Worldwide (1 Items)	
12. mobile device optical lens(1)	46.4			1. monosodium glutamate(2)	8.9
13. Copper Clad Laminate(2)	43.4				

(1) Production value.

(2) production volume.

Source: Industrial Technology Information Service (ITIS) Program.

4-b. Products of which Taiwan was among the World's Three Largest Producers in 2018

2. Excluding Offshore Production

Unit: %

1st Place Worldwide (4 Items)		2nd Place Worldwide (8 Items)		3rd Place Worldwide (7 Items)	
Items	Taiwan's Global Market Share	Items	Taiwan's Global Market Share	Items	Taiwan's Global Market Share
1. IC foundries (1)	71.8	1. PND(1)	39.1	1. TFT-LCD panels (>10") (1)	21.4
2. IC packaging & testing(1)	48.5	2. IC substrates (1)	22.9	2. ABS (2)	11.8
3. green algae(2)	45.2	3. TFT-LCD panels (<10") (1)	22.5	3. TPE (2)	8.1
4. High-end bicycles(2)	29.6	4. IC design(1)	16.5	4. Nylon fiber(2)	5.6
		5. ball screw(1)	16.3	5. b-carotene(2)	4.6
		6. Copper Clad Laminate(2)	15.9	6. polyester yarns(2)	2.0
		7. printed circuit boards(1)	11.5	7. WLAN (1)	0.8
		8. silicon solar cells(2)	11.0		

(1) Production value.

(2) production volume.

5. Taiwan's Science and Technology Development Indicators

	Unit	2011	2012	2013	2014	2015	2016	2017
1. R&D Indicators								
Number of Researchers (Full time equivalent)	Person-years	134,762	140,102	141,159	142,983	145,381	147,710	150,384
--per 1,000 Population	Person-years	5.8	6.0	6.0	6.1	6.2	6.3	6.4
--per 1,000 Employment	Person-years	12.6	12.9	12.9	12.9	13.0	13.1	13.2
R&D Expenditure as % of GDP	%	2.90	2.95	3.02	3.01	3.06	3.16	3.30
2. Science and Technology Output Indicators								
Annual Papers in Science Citation Index (SCI)	Papers	27,680	28,074	28,682	28,090	27,057	26,872	25,565
Annual Papers in Engineering Index (EI)	Papers	22,819	20,729	24,415	22,706	19,822	18,531	16,652
Patents Granted in U.S.	Cases	8,781	10,646	11,071	11,333	11,690	11,541	11,161
3. Technological Diffusion Indicator								
Total Trade in Technology	NT\$ million	...	177,180	181,481	197,027	196,301	...	...

Source: Ministry of Science and Technology, R.O.C., *Indicators of Science and Technology, Republic of China, 2018.*

6-a. Taiwan's Human Resources

A. Labor Force, Employment, and Labor Productivity

Unit: %

Period	Educational Expenditures as % of		Labor Participation Rate	Rate of Growth in Employment	Unemployment Rate	Growth Rate of Labor Productivity in Manufacturing	Ratio of Working-Age (15~64) Population to Total Population (2)	Employment Structure		
	GNI (1)	GDP (1)						Agriculture	Industry	Services
2001	5.7	5.8	57.2	-1.2	4.6	2.95	70.4	7.5	36.6	55.9
2002	5.6	5.8	57.3	0.8	5.2	8.59	70.6	7.5	35.8	56.7
2003	5.6	5.8	57.3	1.3	5.0	6.74	70.9	7.3	35.5	57.2
2004	5.5	5.6	57.7	2.2	4.4	4.74	71.2	6.6	35.9	57.5
2005	5.5	5.7	57.8	1.6	4.1	3.58	71.6	5.9	36.4	57.7
2006	5.4	5.6	57.9	1.7	3.9	4.07	71.9	5.5	36.6	57.9
2007	5.2	5.3	58.3	1.8	3.9	7.21	72.2	5.3	36.8	57.9
2008	5.4	5.6	58.3	1.1	4.1	-0.12	72.6	5.1	36.8	58.0
2009	5.8	6.0	57.9	-1.2	5.9	1.10	73.0	5.3	35.9	58.9
2010	5.3	5.4	58.1	2.1	5.2	18.43	73.6	5.2	35.9	58.8
2011	5.3	5.5	58.2	2.1	4.4	1.26	74.0	5.1	36.3	58.6
2012	5.4	5.6	58.4	1.4	4.2	-0.03	74.2	5.0	36.2	58.8
2013	5.3	5.5	58.4	1.0	4.2	2.47	74.2	5.0	36.2	58.9
2014	5.1	5.2	58.5	1.0	4.0	3.93	74.0	5.0	36.1	58.9
2015	5.0	5.1	58.7	1.1	3.8	-0.86	73.9	5.0	36.0	59.0
2016	4.9	5.1	58.8	0.6	3.9	5.26	73.5	5.0	35.9	59.2
2017	4.9	5.1	58.8	0.8	3.8	3.53	73.0	4.9	35.8	59.3
2018	5.0	5.1	59.0	0.7	3.7	2.36	72.5	4.9	35.7	59.4

(1) Referring to fiscal year.

(2) Referring to end of year.

Sources: (1) Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieved June 2019.

(2) Online database of Ministry of the Interior, R.O.C. (Taiwan), retrieved June 2019.

(3) Online database of Ministry of Education, R.O.C. (Taiwan), retrieved June 2019.

6-b. Taiwan's Human Resources (Continued)
B. Educational & Occupational Structure of Employed Population

Period	By Occupation									By Education		
	Total	White-collar Workers				Service & Sales Workers	Skilled Agricultural, Forestry & Fishery Workers	Blue-collar Craft & Machine Operation Related Workers	Junior High & Below	Senior High & Vocational	Junior College & Above	
		Legislators, Senior Officials & Managers	Professionals	Tech-nicians & Associate Pro-fessionals	Clerical Support Workers							
Persons (1,000 persons)												
2010	10,492	4,707	443	1,116	1,995	1,153	2,069	512	3,204	2,361	3,583	4,549
2011	10,709	4,775	435	1,195	1,957	1,188	2,086	496	3,352	2,312	3,645	4,752
2012	10,860	4,838	422	1,244	1,950	1,222	2,119	495	3,408	2,268	3,674	4,918
2013	10,967	4,884	404	1,286	1,962	1,232	2,156	492	3,435	2,226	3,661	5,080
2014	11,078	4,961	394	1,333	1,990	1,244	2,166	492	3,459	2,124	3,675	5,280
2015	11,197	5,024	387	1,370	2,019	1,248	2,181	496	3,496	2,061	3,692	5,446
2016	11,268	5,056	381	1,389	2,029	1,257	2,206	500	3,506	2,009	3,688	5,571
2017	11,352	5,106	383	1,409	2,043	1,271	2,231	500	3,515	1,960	3,695	5,699
2018	11,434	5,153	384	1,430	2,051	1,288	2,259	505	3,517	1,914	3,707	5,814
Structure (%)												
2010	100.0	44.9	4.2	10.6	19.0	11.0	19.7	4.9	30.5	22.5	34.1	43.4
2011	100.0	44.6	4.1	11.2	18.3	11.1	19.5	4.6	31.3	21.6	34.0	44.4
2012	100.0	44.5	3.9	11.5	18.0	11.3	19.5	4.6	31.4	20.9	33.8	45.3
2013	100.0	44.5	3.7	11.7	17.9	11.2	19.7	4.5	31.3	20.3	33.4	46.3
2014	100.0	44.8	3.6	12.0	18.0	11.2	19.6	4.4	31.2	19.2	33.2	47.7
2015	100.0	44.9	3.5	12.2	18.0	11.1	19.5	4.4	31.2	18.4	33.0	48.6
2016	100.0	44.9	3.4	12.3	18.0	11.2	19.6	4.4	31.1	17.8	32.7	49.4
2017	100.0	45.0	3.4	12.4	18.0	11.2	19.7	4.4	31.0	17.3	32.5	50.2
2018	100.0	45.1	3.4	12.5	17.9	11.3	19.8	4.4	30.8	16.7	32.4	50.8

Sources: Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieved June 2019.

7-a. Statistical Data of Taiwan's Official Development Assistance

Period	Total (ODA)		Social Infrastructure and Services						Economic Infrastructure and Services			
	Amount	% of GNI(1)	Subtotal	Education	Health and Medical	Water Supply and Sanitation	Government and Civil Society	Other Social Infrastructure and Services	Subtotal	Transport and Storage	ICT / Communications	Energy Generation and Supply
Amount unit: US\$ 1,000												
2015	295,997	0.055	171,128	58,135	14,699	4,416	30,450	63,428	30,440	5,147	4,202	4,290
2016	350,774	0.064	195,870	52,099	19,746	1,862	49,958	72,205	33,468	827	5,046	8,720
2017	310,317	0.056	156,970	35,571	24,103	786	27,033	58,543	72,037	26,263	3,872	1,162
2018	301,657	0.051	148,389	45,497	16,480	1,796	25,687	58,929	49,539	26,811	15,979	5,062
Structure (%)												
2015	100.0		57.8	19.6	5.0	1.5	10.3	21.4	10.3	1.7	1.4	1.5
2016	100.0		55.8	14.9	5.6	0.5	14.2	20.6	9.5	0.2	1.4	2.5
2017	100.0		47.1	11.5	7.8	0.3	8.7	18.9	23.2	8.5	1.3	0.4
2018	100.0		49.2	15.1	5.5	0.6	8.5	19.5	16.4	8.9	5.3	1.7

(1) GNI means gross national income; a donor's efforts, particularly OECD countries, are usually measured in terms of ODA/GNI.

Source: The data are provided by Ministry of Foreign Affairs, Executive Yuan, R.O.C. (Taiwan).

7-b. Statistical Data of Taiwan's Official Development Assistance (Continued)

Period	Other Economic Infrastructure and Services	Production Sectors					Sustainable Development			Others
		Subtotal	Agriculture, Forestry and Fishery	Industry, Mining and Construction	Trade Policy and Regulations	Tourism	Subtotal	Environmental Protection	Cross Sectors	
Amount unit: US\$ 1,000										
2015	16,801	41,794	36,745	2,062	751	2,236	7,011	1,525	5,486	45,623
2016	18,874	45,060	39,231	1,178	3,019	1,632	2,138	2,018	120	74,238
2017	40,740	35,957	32,510	2,544	430	472	2,056	1,622	434	54,230
2018	1,687	38,393	37,055	476	745	117	6,521	315	6,207	58,814
Structure (%)										
2015	5.7	14.1	12.4	0.7	0.3	0.8	2.4	0.5	1.9	15.4
2016	5.4	12.9	11.2	0.3	0.9	0.5	0.6	0.6	0.0	21.2
2017	12.7	11.2	10.1	0.8	0.1	0.2	0.6	0.5	0.1	16.9
2018	0.6	12.7	12.3	0.2	0.3	0.0	2.2	0.1	2.1	19.5

1. INDICATORS

1-1a. Indicators of the Taiwan Economy

Period	GDP				GNI			Change in Prices (%)		
	Economic Growth Rate at 2011 Prices (%)	GDP in US\$ Million at Current Prices	Per Capita GDP		GNI in US\$ Million at Current Prices	Per Capita GNI		GDP Deflator	Consumer Price Index	Wholesale Price Index
			NT\$	US\$		NT\$	US\$			
1955	7.7	1,940	3,364	216	1,940	3,363	216	10.6	...	14.4
1960	7.2	1,743	5,943	163	1,742	5,940	163	12.6	18.6	14.2
1965	11.9	2,869	9,173	229	2,864	9,157	229	-0.3	-0.1	-4.6
1970	11.5	5,786	15,870	397	5,775	15,841	396	4.1	3.6	2.7
1975	6.2	15,838	37,438	985	15,750	37,230	980	1.9	5.2	-5.1
1980	8.0	42,295	86,002	2,389	42,237	85,883	2,386	16.5	19.0	21.5
1985	4.8	63,623	132,142	3,315	64,806	134,599	3,377	0.0	-0.2	-2.6
1990	5.7	166,615	220,933	8,216	170,978	226,718	8,431	5.2	4.1	-0.6
1994	7.5	256,404	321,741	12,160	260,467	326,840	12,352	1.7	4.1	2.2
1995	6.5	279,224	347,789	13,129	283,411	353,004	13,326	2.4	3.7	7.4
1996	6.2	292,665	374,816	13,650	296,653	379,923	13,836	2.3	3.1	-1.0
1997	6.1	303,737	402,939	14,040	306,859	407,082	14,184	2.2	0.9	-0.5
1998	4.2	280,369	429,624	12,840	282,418	432,763	12,934	3.3	1.7	0.6
1999	6.7	304,171	445,951	13,819	306,976	450,063	13,947	-2.0	0.2	-4.5
2000	6.4	331,452	466,598	14,941	335,921	472,889	15,142	-0.9	1.3	1.8
2001	-1.3	300,450	454,687	13,448	306,129	463,282	13,703	-0.6	-0.01	-1.3
2002	5.6	308,875	475,484	13,750	315,887	486,280	14,062	-0.4	-0.2	0.0
2003	4.1	318,590	486,018	14,120	328,145	500,594	14,544	-1.4	-0.3	2.5
2004	6.5	348,479	514,405	15,388	359,609	530,835	15,879	-0.3	1.6	7.0
2005	5.4	375,769	532,001	16,532	384,808	544,798	16,930	-1.5	2.3	0.6
2006	5.6	388,589	553,851	17,026	398,171	567,508	17,446	-1.0	0.6	5.6
2007	6.5	408,254	585,016	17,814	418,387	599,536	18,256	-0.4	1.8	6.5
2008	0.7	416,961	571,838	18,131	426,937	585,519	18,564	-2.6	3.5	5.2
2009	-1.6	392,065	561,636	16,988	404,587	579,574	17,531	0.1	-0.9	-8.7
2010	10.6	446,105	610,140	19,278	459,679	628,706	19,864	-1.5	1.0	5.5
2011	3.8	485,653	617,078	20,939	498,832	633,822	21,507	-2.3	1.4	4.3
2012	2.1	495,845	631,142	21,308	511,179	650,660	21,967	0.5	1.9	-1.2
2013	2.2	511,614	652,429	21,916	525,851	670,585	22,526	1.5	0.8	-2.4
2014	4.0	530,519	688,434	22,668	546,013	708,540	23,330	1.7	1.2	-0.6
2015	0.8	525,562	714,774	22,400	542,194	737,393	23,109	3.3	-0.3	-8.9
2016	1.5	531,281	730,411	22,592	547,665	752,936	23,289	0.9	1.4	-3.0
2017	3.1	574,940	742,976	24,408	590,189	762,681	25,055	-1.2	0.6	0.9
2018	2.6	589,997	754,711	25,026	601,217	768,959	25,501	-1.0	1.4	3.6

1-1b. Indicators of the Taiwan Economy (Continued)

Period	Gross National Savings and Gross Domestic Capital Formation						Structure of Production (% of GDP by Sector)(1)			
	Gross National Savings		Gross Domestic Capital Formation		Excess Savings		Agri- culture	Industry	Manu- facturing	Services
	NT\$ billion	As Percentage of GNI (%)	NT\$ billion	As Percentage of GNI (%)	NT\$ billion	As Percentage of GNI (%)				
1955	4.5	14.9	4.0	13.1	0.4	1.2	...	...	...	...
1960	11.6	18.3	12.7	19.9	-1.5	-2.4	...	...	...	...
1965	24.6	21.5	25.7	22.5	-2.3	-2.0	...	...	...	...
1970	61.2	26.5	58.1	25.4	0.0	0.0	...	...	...	...
1975	164.9	27.6	180.2	30.3	-22.4	-3.8	...	...	...	...
1980	496.5	32.7	505.9	33.3	-23.3	-1.5	...	...	...	...
1985	893.7	34.6	489.1	19.1	373.1	14.6	5.7	44.6	34.9	49.7
1990	1,439.2	31.3	1,142.1	24.8	297.2	6.5	4.0	39.3	31.2	56.7
1994	2,076.5	30.1	1,898.2	27.5	178.3	2.6	3.3	34.9	26.6	61.8
1995	2,218.4	29.6	2,072.4	27.6	146.0	1.9	3.3	33.7	25.6	63.0
1996	2,330.4	28.6	2,043.9	25.1	286.6	3.5	3.0	33.1	25.5	63.9
1997	2,525.1	28.7	2,317.2	26.3	207.9	2.4	2.4	32.8	25.5	64.8
1998	2,674.6	28.3	2,571.4	27.2	103.2	1.1	2.3	32.4	25.4	65.3
1999	2,855.3	28.8	2,598.2	26.2	257.1	2.6	2.4	31.3	24.9	66.3
2000	3,105.5	29.6	2,815.1	26.8	290.4	2.8	2.0	31.3	25.6	66.7
2001	2,804.5	27.1	2,175.7	21.0	628.8	6.1	1.9	29.4	24.1	68.8
2002	3,106.2	28.4	2,241.9	20.5	864.4	7.9	1.8	31.1	26.0	67.1
2003	3,415.5	30.2	2,377.9	21.1	1,037.6	9.2	1.7	32.1	27.3	66.2
2004	3,668.5	30.5	2,954.3	24.6	714.3	5.9	1.6	32.7	28.0	65.6
2005	3,667.6	29.6	2,957.8	23.9	709.8	5.7	1.6	32.3	27.8	66.1
2006	4,022.1	31.1	3,111.0	24.0	911.1	7.0	1.6	32.4	27.7	66.1
2007	4,322.5	31.5	3,221.5	23.5	1,101.0	8.0	1.5	33.0	28.4	65.6
2008	3,987.9	29.6	3,217.0	23.9	770.8	5.7	1.6	31.3	27.4	67.2
2009	3,918.2	29.3	2,580.2	19.3	1,338.0	10.0	1.7	31.5	26.7	66.8
2010	4,821.8	33.1	3,524.6	24.2	1,297.2	8.9	1.6	33.8	29.1	64.6
2011	4,624.9	31.5	3,382.9	23.0	1,242.0	8.5	1.7	33.0	28.7	65.3
2012	4,611.0	30.5	3,304.2	21.8	1,306.9	8.6	1.7	32.8	28.4	65.6
2013	5,008.8	32.0	3,360.2	21.5	1,648.6	10.5	1.7	33.5	28.8	64.9
2014	5,569.1	33.6	3,521.2	21.2	2,047.9	12.4	1.8	34.8	30.0	63.4
2015	6,033.1	34.9	3,513.1	20.3	2,520.0	14.6	1.7	35.3	30.2	63.0
2016	6,070.7	34.3	3,562.2	20.1	2,508.5	14.2	1.8	35.5	30.7	62.7
2017	6,161.1	34.3	3,543.2	19.7	2,617.9	14.6	1.8	35.5	31.0	62.7
2018	5,976.9	33.0	3,794.0	20.9	2,182.9	12.0	1.6	35.2	30.8	63.2

(1) Statistical discrepancies are not included.

1-1c. Indicators of the Taiwan Economy (Continued)

Period	Merchandise Trade in US\$ Million (customs statistics)			Population and Employment				
	Exports at f.o.b. Prices	Imports at c.i.f. Prices	Balance	Population (1,000 persons at year-end)	Labor Force (1,000 persons)	Annual Rate of Change in Employment (%)	Labor Partici- pation Rate (%)	Unemployment Rate (%)
1955	123	201	-78	9,078	3,231	2.7	64.3	3.81
1960	164	297	-133	10,792	3,617	1.5	62.4	3.98
1965	450	556	-106	12,628	3,891	2.9	58.2	3.29
1970	1,481	1,524	-43	14,676	4,654	4.2	57.4	1.70
1975	5,309	5,952	-643	16,223	5,656	0.6	58.2	2.40
1980	19,811	19,733	77	17,866	6,629	1.8	58.3	1.23
1985	30,726	20,102	10,624	19,314	7,651	1.6	59.5	2.91
1990	67,214	54,716	12,498	20,401	8,423	0.3	59.2	1.67
1994	94,300	85,698	8,602	21,178	9,081	2.2	59.0	1.56
1995	113,342	104,012	9,330	21,357	9,210	1.2	58.7	1.79
1996	117,581	102,922	14,659	21,525	9,310	0.3	58.4	2.60
1997	124,170	114,955	9,215	21,743	9,432	1.2	58.3	2.72
1998	112,595	105,230	7,366	21,929	9,546	1.2	58.0	2.69
1999	123,733	111,196	12,537	22,092	9,668	1.0	57.9	2.92
2000	151,950	140,732	11,218	22,277	9,784	1.1	57.7	2.99
2001	126,612	109,588	17,024	22,406	9,832	-1.2	57.2	4.57
2002	135,774	115,116	20,659	22,521	9,969	0.8	57.3	5.17
2003	151,345	130,249	21,096	22,605	10,076	1.3	57.3	4.99
2004	183,643	171,554	12,089	22,689	10,240	2.2	57.7	4.44
2005	199,761	185,438	14,323	22,770	10,371	1.6	57.8	4.13
2006	225,904	206,442	19,462	22,877	10,522	1.7	57.9	3.91
2007	248,792	223,115	25,677	22,958	10,713	1.8	58.3	3.91
2008	258,051	244,467	13,585	23,037	10,853	1.1	58.3	4.14
2009	205,663	177,598	28,065	23,120	10,917	-1.2	57.9	5.85
2010	278,008	256,274	21,734	23,162	11,070	2.1	58.1	5.21
2011	312,923	288,062	24,861	23,225	11,200	2.1	58.2	4.39
2012	306,409	277,324	29,085	23,316	11,341	1.4	58.4	4.24
2013	311,428	278,010	33,418	23,374	11,445	1.0	58.4	4.18
2014	320,092	281,850	38,242	23,434	11,535	1.0	58.5	3.96
2015	285,344	237,219	48,124	23,492	11,638	1.1	58.7	3.78
2016	280,321	230,568	49,753	23,540	11,727	0.6	58.8	3.92
2017	317,249	259,266	57,983	23,571	11,795	0.8	58.8	3.76
2018	335,909	286,333	49,576	23,589	11,874	0.7	59.0	3.71

1-1d. Indicators of the Taiwan Economy (Continued)

Period	Monetary Aggregates (end of year)			Interest Rate (% per annum)		Foreign Exchange Rate (NT\$ per foreign currency)		Foreign Exchange Holdings of Central Bank of ROC in US\$ Million (end of year)
	Annual Rate of Change in M ₂ (%)	Annual Rate of Change in M _{1B} (%)	Annual Rate of Change in Loans & Investments (%)	Rediscount Rate of Central Bank of China (Taiwan)	Money Market Rate (2)	US Dollar	Japanese Yen	
						(end of year)	(end of year)	
1955	...	...	...	...	...	15.60	...	...
1960	...	...	...	...	...	36.23	...	...
1965	16.0	15.6	21.0	11.520	...	40.05	...	245
1970	21.1	15.0	17.7	9.800	...	40.05	...	482
1975	27.8	28.8	30.0	10.750	...	38.00	...	1,074
1980	21.6	22.7	26.6	11.000	18,290	36.01	...	2,205
1985	22.6	12.2	6.4	5.250	6,441	39.85	0.1990	22,556
1990	11.0	-6.7	14.8	7.750	9,580	26.89	0.1857	72,441
1994	15.1	12.2	15.2	5.500	7,210	26.46	0.2588	92,454
1995	9.4	0.8	10.5	5.500	7,030	26.48	0.2815	90,310
1996	9.1	8.3	7.9	5.000	5,940	27.46	0.2524	88,038
1997	8.0	8.4	10.0	5.250	6,840	28.66	0.2369	83,502
1998	8.6	3.8	7.8	4.750	6,890	33.45	0.2555	90,341
1999	8.3	16.9	3.6	4.500	5,120	32.27	0.2833	106,200
2000	6.5	-0.3	3.7	4.625	5,060	31.23	0.2897	106,742
2001	4.3	11.9	-0.8	2.125	3,780	33.80	0.2781	122,211
2002	2.5	9.3	-2.5	1.625	2,140	34.58	0.2757	161,656
2003	5.7	19.3	2.8	1.375	1,160	34.42	0.2969	206,632
2004	7.2	12.4	8.6	1.750	1,090	33.42	0.3089	241,738
2005	6.6	6.8	7.8	2.250	1,360	32.17	0.2918	253,290
2006	5.2	4.5	4.1	2.750	1,640	32.53	0.2797	266,148
2007	0.8	0.0	2.4	3.375	1,960	32.84	0.2789	270,311
2008	7.2	-0.8	3.4	2.000	1,970	31.52	0.3049	291,707
2009	5.8	28.9	0.7	1.250	0,290	33.05	0.3532	348,198
2010	5.5	9.0	6.2	1.625	0,460	31.64	0.3605	382,005
2011	4.8	3.3	6.0	1.875	0,810	29.46	0.3692	385,547
2012	3.5	5.0	5.7	1.875	0,850	29.61	0.3711	403,169
2013	5.8	8.5	4.6	1.875	0,730	29.77	0.3050	416,811
2014	6.1	6.2	5.2	1.875	0,690	30.37	0.2867	418,980
2015	5.8	6.9	4.6	1.625	0,630	31.90	0.2635	426,031
2016	3.6	5.8	3.9	1.375	0,400	32.32	0.2971	434,204
2017	3.6	3.5	4.8	1.375	0,480	30.44	0.2714	451,500
2018	2.7	5.8	5.4	1.375	0,550	30.16	0.2731	461,784

(2) Rate for 91-180 days commercial paper in secondary market.

1-1e. Indicators of the Taiwan Economy (Continued)

Period	Labor Productivity and Employee Compensation in Manufacturing		R&D Expenditure		Distribution of Personal Income by Household	
	Annual Rate of Change in Labor Productivity (%)	Annual Rate of Change in Average Monthly Compensation (%)	Amount in NTS Billion	As Percentage of GDP (%)	Ratio of Highest Fifth's Income to Lowest Fifth's	Gini Coefficient
1955	...	...	...	...	...	...
1960	...	...	...	...	...	...
1965	...	...	...	...	...	...
1970	...	...	...	...	4.58	0.294
1975	8.7	17.3	...	...	4.25	0.312
1980	2.1	22.7	...	...	4.17	0.278
1985	2.3	4.3	25.4	1.03	4.50	0.291
1990	7.6	13.3	71.5	1.62	5.18	0.312
1994	3.5	6.7	114.7	1.69	5.38	0.318
1995	7.4	5.7	125.0	1.69	5.34	0.317
1996	5.2	4.1	138.0	1.72	5.38	0.317
1997	5.6	4.6	156.3	1.79	5.41	0.320
1998	5.2	2.9	176.5	1.88	5.51	0.324
1999	6.7	3.6	190.5	1.94	5.50	0.325
2000	5.9	3.1	197.6	1.91	5.55	0.326
2001	3.0	-1.3	205.0	2.02	6.39	0.350
2002	8.6	0.1	224.4	2.10	6.16	0.345
2003	6.7	2.9	242.9	2.22	6.07	0.343
2004	4.7	2.8	263.3	2.26	6.03	0.338
2005	3.6	3.0	281.0	2.32	6.04	0.340
2006	4.1	1.3	307.0	2.43	6.01	0.339
2007	7.2	2.0	331.8	2.48	5.98	0.340
2008	-0.1	0.1	351.8	2.68	6.05	0.341
2009	1.1	-8.7	368.2	2.84	6.34	0.345
2010	18.4	9.2	396.6	2.81	6.19	0.342
2011	1.3	3.4	416.2	2.91	6.17	0.342
2012	0.0	1.4	435.0	2.96	6.13	0.338
2013	2.5	0.5	459.5	3.02	6.08	0.336
2014	3.9	3.5	485.7	3.01	6.05	0.336
2015	-0.9	3.6	513.1	3.06	6.06	0.338
2016	5.3	0.9	543.6	3.16	6.08	0.336
2017	3.5	3.1	576.7	3.30	6.07	0.337
2018	2.4	4.5	...	...	6.09	0.338

1-1f. Indicators of the Taiwan Economy (Continued)

Period	Trade across the Taiwan Strait					Approved Investment in Mainland China	
	Exports to Mainland China		Imports from Mainland China		Balance (US\$ million)	Number of Cases	Amount (US\$ million)
	amount (US\$ million)	% change from previous year	amount (US\$ million)	% change from previous year			
1996	623.4	65.5	3,059.9	-1.0	-2,436.5	383	1,229.2
1997	626.5	0.5	3,915.3	28.0	-3,288.8	8,725	4,334.3
1998	914.9	46.0	4,113.9	5.1	-3,199.0	1,284	2,034.6
1999	2,602.1	184.4	4,528.9	10.1	-1,926.8	488	1,252.8
2000	4,391.5	68.8	6,229.3	37.6	-1,837.8	840	2,607.1
2001	5,020.7	14.3	5,970.4	-4.2	-949.6	1,186	2,784.1
2002	10,690.0	112.9	8,041.3	34.7	2,648.8	3,116	6,723.1
2003	23,209.8	117.1	11,095.7	38.0	12,114.1	3,875	7,698.8
2004	36,722.8	58.2	16,891.5	52.2	19,831.4	2,004	6,940.7
2005	44,056.3	20.0	20,161.6	19.4	23,894.6	1,297	6,007.0
2006	52,377.1	18.9	24,909.0	23.6	27,468.2	1,090	7,642.3
2007	62,928.4	20.1	28,221.2	13.3	34,707.2	996	9,970.5
2008	67,515.8	7.3	31,579.7	11.9	35,936.2	643	10,691.4
2009	54,842.9	-18.8	24,554.4	-22.3	30,288.5	590	7,142.6
2010	77,949.5	42.1	36,255.2	47.7	41,694.4	914	14,617.9
2011	85,244.4	9.4	44,094.8	21.6	41,149.5	887	14,376.6
2012	82,666.2	-3.0	41,431.4	-6.0	41,234.8	636	12,792.1
2013	84,122.2	1.8	43,345.5	4.6	40,776.7	554	9,190.1
2014	84,738.1	0.7	49,254.4	13.6	35,483.7	497	10,276.6
2015	73,409.6	-13.4	45,266.0	-8.1	28,143.6	427	10,965.5
2016	73,878.9	0.6	43,990.8	-2.8	29,888.1	323	9,670.7
2017	88,981.2	20.4	50,042.7	13.8	38,938.5	580	9,248.9
2018	96,756.4	8.7	53,783.5	7.5	42,972.9	726	8,497.7

2. AREA AND POPULATION

2-1a. Area and Geographical Position of Taiwan(1)

Geographical Division	Area (km ²)	No. of Islands	Coastline (km)	Longitude		Latitude	
				Aspect	Apex	Aspect	Apex
Whole Area	36,013.7 (2) (13,903 miles ²)	86	1578.0	Eastern Point	124°34'09"	Southern Point	21°45'18"
				Western Point	119°18'03"	Northern Point	25°56'21"
Taiwan Island	35,886.9	22	1251.3	Eastern Point	121°59'15"	Southern Point	21°53'50"
				Western Point	120°01'00"	Northern Point	25°18'20"
Penghu Archipelago	126.9	64	326.8	Eastern Point	119°42'54"	Southern Point	23°09'40"
				Western Point	119°18'03"	Northern Point	23°45'41"

(1) Including reclaimed tidal land.

(2) Area of Kinmen and Lienchiang County are excluded.

Source: The data are provided by the Ministry of the Interior, R.O.C. (Taiwan).

2-1b. Area and Geographical Position of Taiwan (Continued)

Geographical Division	Area (km ²)	No. of Islands	Coastline (km)	Longitude		Latitude	
				Aspect	Apex	Aspect	Apex
Kinmen County	151.7	13	110.2	Eastern Point	118°31'01"	Southern Point	24°09'48"
				Western Point	118°08'06"	Northern Point	24°34'16"
Lienchiang County	29.6	36	138.1	Eastern Point	120°30'08"	Southern Point	25°56'04"
				Western Point	119°54'04"	Northern Point	26°23'08"

2-2. Population

End of Year	Number (1) (1,000 persons)			Growth Rate (%)		
	Total	Male	Female	Total	Male	Female
1955	9,078	4,647	4,430	3.8	3.6	4.0
1960	10,792	5,525	5,267	3.5	3.5	3.4
1965	12,699	6,528	6,171	3.0	3.1	2.9
1970	14,754	7,773	6,981	2.4	2.4	2.4
1975	16,223	8,501	7,722	1.9	1.8	2.0
1980	17,866	9,320	8,546	1.8	1.7	1.9
1985	19,314	10,023	9,290	1.3	1.2	1.4
1990	20,401	10,541	9,861	1.2	1.1	1.3
1994	21,178	10,907	10,271	0.9	0.8	1.0
1995	21,357	10,991	10,367	0.8	0.8	0.9
1996	21,525	11,066	10,460	0.8	0.7	0.9
1997	21,743	11,164	10,579	1.0	0.9	1.1
1998	21,929	11,243	10,685	0.9	0.7	1.0
1999	22,092	11,313	10,780	0.7	0.6	0.9
2000	22,277	11,392	10,885	0.8	0.7	1.0
2001	22,406	11,442	10,964	0.6	0.4	0.7
2002	22,521	11,485	11,035	0.5	0.4	0.7
2003	22,605	11,515	11,089	0.4	0.3	0.5
2004	22,689	11,542	11,148	0.4	0.2	0.5
2005	22,770	11,562	11,208	0.4	0.2	0.5
2006	22,877	11,592	11,285	0.5	0.3	0.7
2007	22,958	11,609	11,350	0.4	0.1	0.6
2008	23,037	11,626	11,411	0.3	0.2	0.5
2009	23,120	11,637	11,483	0.4	0.1	0.6
2010	23,162	11,635	11,527	0.2	0.0	0.4
2011	23,225	11,646	11,579	0.3	0.1	0.5
2012	23,316	11,673	11,643	0.4	0.2	0.5
2013	23,374	11,685	11,689	0.2	0.1	0.4
2014	23,434	11,698	11,736	0.3	0.1	0.4
2015	23,492	11,712	11,780	0.2	0.1	0.4
2016	23,540	11,719	11,821	0.2	0.1	0.3
2017	23,571	11,720	11,852	0.1	0.0	0.3
2018	23,589	11,713	11,876	0.1	-0.1	0.2

(1) Excluding servicemen and foreign nationals; servicemen included since 1969.

Source: See Table 2-1.

2-3. Population Density and Vital Statistics (1)

Year	Population Density (2)		Births		Deaths		Natural Increase	
	Per sq. km.	Per sq. km. of cultivated land	Number (1,000)	Rate (%)	Number (1,000)	Rate (%)	Number (1,000)	Rate (%)
1955	252.43	1,039.8	404	4.53	77	0.86	327	3.67
1960	300.11	1,241.9	419	3.95	74	0.69	346	3.26
1965	351.37	1,426.8	407	3.27	68	0.55	339	2.71
1970	408.24	1,630.3	394	2.72	71	0.49	323	2.21
1975	448.64	1,769.1	368	2.30	75	0.47	293	1.82
1980	493.82	1,969.8	414	2.34	84	0.48	330	1.86
1985	533.84	2,175.0	346	1.80	92	0.48	254	1.32
1990	563.85	2,292.3	336	1.66	106	0.52	230	1.13
1994	585.32	2,428.7	323	1.53	114	0.54	209	0.99
1995	590.28	2,446.4	330	1.55	119	0.56	210	0.99
1996	594.92	2,468.5	326	1.52	122	0.57	203	0.95
1997	600.83	2,513.6	326	1.51	121	0.56	205	0.95
1998	605.96	2,552.8	271	1.24	123	0.56	148	0.68
1999	610.49	2,583.9	284	1.29	126	0.57	158	0.72
2000	615.58	2,617.7	305	1.38	126	0.57	179	0.81
2001	619.14	2,639.1	260	1.17	128	0.57	133	0.59
2002	622.33	2,658.9	248	1.10	129	0.57	119	0.53
2003	624.64	2,678.0	227	1.01	131	0.58	96	0.43
2004	626.98	2,714.0	216	0.96	135	0.60	81	0.36
2005	629.22	2,733.0	206	0.91	139	0.61	66	0.29
2006	632.16	2,757.8	204	0.90	136	0.60	69	0.30
2007	634.39	2,779.6	204	0.89	141	0.62	63	0.28
2008	636.57	2,801.3	199	0.86	144	0.62	55	0.24
2009	638.82	2,835.2	191	0.83	144	0.62	48	0.21
2010	639.99	2,848.5	167	0.72	146	0.63	21	0.09
2011	641.70	2,873.5	197	0.85	153	0.66	44	0.19
2012	644.21	2,904.0	229	0.99	154	0.66	75	0.32
2013	645.81	2,922.3	199	0.85	156	0.67	43	0.19
2014	647.47	2,930.6	210	0.90	164	0.70	46	0.20
2015	649.01	2,949.0	214	0.91	164	0.70	50	0.21
2016	650.32	2,964.7	208	0.89	172	0.73	36	0.15
2017	651.19	2,972.3	194	0.82	171	0.73	23	0.10
2018	651.68	2,983.4	182	0.77	173	0.73	9	0.04

(1) See (1) of Table 2-2.

(2) End of year.

Source: See Table 2-1.

2-4. Population Aged 15 and Over by Level of Education

Unit: %

End of Year	Total	Higher Education	Secondary Education	Primary Education	Self-educated Outside the Formal School System	Illiterate
1975	100.00	6.68	32.70	41.14	3.72	15.76
1980	100.00	9.06	39.54	35.98	3.16	12.26
1985	100.00	11.26	45.41	31.25	2.47	9.62
1990	100.00	13.40	50.02	27.48	1.51	7.59
1994	100.00	12.18	56.61	23.89	1.06	6.26
1995	100.00	12.06	55.13	25.87	0.95	5.99
1996	100.00	12.61	57.34	23.56	0.82	5.68
1997	100.00	15.99	54.90	22.97	0.79	5.34
1998	100.00	16.41	52.78	24.97	0.76	5.08
1999	100.00	17.90	53.86	22.80	0.71	4.72
2000	100.00	20.42	53.09	21.37	0.68	4.45
2001	100.00	22.95	51.70	20.50	0.65	4.21
2002	100.00	25.10	50.49	19.82	0.62	3.97
2003	100.00	29.46	49.30	17.69	0.53	3.03
2004	100.00	30.52	48.96	17.18	0.50	2.84
2005	100.00	31.57	48.64	16.64	0.48	2.67
2006	100.00	32.66	48.20	16.17	0.46	2.52
2007	100.00	33.85	47.66	15.69	0.43	2.37
2008	100.00	34.91	47.23	15.23	0.41	2.22
2009	100.00	35.87	46.88	14.78	0.39	2.09
2010	100.00	37.05	46.29	14.33	0.37	1.96
2011	100.00	38.18	45.76	13.87	0.35	1.83
2012	100.00	39.45	45.10	13.41	0.33	1.71
2013	100.00	40.70	44.38	12.99	0.31	1.61
2014	100.00	41.75	43.87	12.58	0.30	1.50
2015	100.00	42.68	43.46	12.18	0.28	1.40
2016	100.00	43.64	43.03	11.77	0.26	1.30
2017	100.00	44.55	42.63	11.36	0.24	1.21
2018	100.00	45.52	42.15	10.98	0.23	1.13

Source: Ministry of the Interior, R.O.C., *Statistical Yearbook of Interior, R.O.C, February, 2019.*

2-5. Population by Dependent and Working Age Groups (1)

End of Year	Number of Persons of Dependent Age (1,000 persons)			Number of Persons of Working Age (15-64) (D) (1,000 persons)	Comparison (%)		
	Total (A)	Under 15 (B)	65 & Over (C)		(A)/(D) x 100	(B)/(D) x 100	(C)/(D) x 100
1955	4,163	3,940	223	4,915	84.7	80.2	4.5
1960	5,172	4,904	268	5,620	92.0	87.3	4.8
1965	6,002	5,667	335	6,626	90.6	85.5	5.0
1970	6,249	5,821	428	8,426	74.2	69.1	5.1
1975	6,306	5,738	568	9,917	63.6	57.9	5.7
1980	6,505	5,739	766	11,361	57.3	50.5	6.7
1985	6,693	5,716	977	12,621	53.0	45.3	7.7
1990	6,794	5,525	1,269	13,607	49.9	40.6	9.3
1994	6,732	5,170	1,562	14,446	46.6	35.8	10.8
1995	6,707	5,076	1,631	14,650	45.8	34.6	11.1
1996	6,674	4,983	1,692	14,851	44.9	33.5	11.4
1997	6,666	4,914	1,752	15,076	44.2	32.6	11.6
1998	6,626	4,815	1,810	15,303	43.3	31.5	11.8
1999	6,600	4,735	1,865	15,492	42.6	30.6	12.0
2000	6,624	4,703	1,921	15,652	42.3	30.0	12.3
2001	6,635	4,662	1,973	15,770	42.1	29.6	12.5
2002	6,630	4,599	2,031	15,891	41.7	28.9	12.8
2003	6,569	4,482	2,088	16,035	41.0	27.9	13.0
2004	6,538	4,387	2,150	16,152	40.5	27.2	13.3
2005	6,476	4,259	2,217	16,295	39.7	26.1	13.6
2006	6,433	4,146	2,287	16,444	39.1	25.2	13.9
2007	6,374	4,031	2,343	16,585	38.4	24.3	14.1
2008	6,307	3,905	2,402	16,730	37.7	23.3	14.4
2009	6,236	3,778	2,458	16,884	36.9	22.4	14.6
2010	6,112	3,624	2,488	17,050	35.8	21.3	14.6
2011	6,030	3,502	2,528	17,195	35.1	20.4	14.7
2012	6,012	3,412	2,600	17,304	34.7	19.7	15.0
2013	6,041	3,347	2,694	17,333	34.9	19.3	15.5
2014	6,086	3,277	2,809	17,348	35.1	18.9	16.2
2015	6,126	3,188	2,939	17,366	35.3	18.4	16.9
2016	6,248	3,142	3,106	17,292	36.1	18.2	18.0
2017	6,360	3,092	3,268	17,211	37.0	18.0	19.0
2018	6,482	3,048	3,434	17,107	37.9	17.8	20.1

(1) See (1) of Table 2-2.

Source: See Table 2-1.

2-6a. Population by Age Group (1)

Unit: 1,000 persons

End of Year	All Ages	Under 15				15-64				
		Subtotal	Under 5	5~9	10~14	Subtotal	15~19	20~24	25~29	30~34
1955	9,078	3,940	1,778	1,217	946	4,915	926	766	704	602
1960	10,792	4,904	1,931	1,761	1,212	5,620	940	759	805	738
1965	12,628	5,667	1,985	1,923	1,759	6,626	1,199	768	905	821
1970	14,676	5,821	1,889	2,007	1,925	8,426	1,754	1,198	926	908
1975	16,223	5,738	1,792	1,928	2,017	9,917	1,927	1,757	1,191	917
1980	17,866	5,739	1,997	1,818	1,924	11,361	2,007	1,922	1,735	1,175
1985	19,314	5,716	1,867	2,036	1,814	12,621	1,912	2,000	1,898	1,713
1990	20,401	5,525	1,613	1,893	2,019	13,607	1,796	1,902	1,975	1,872
1994	21,178	5,170	1,602	1,616	1,952	14,446	1,969	1,801	1,892	1,960
1995	21,357	5,076	1,590	1,601	1,884	14,650	2,008	1,780	1,881	1,958
1996	21,525	4,983	1,591	1,615	1,776	14,851	2,000	1,825	1,851	1,954
1997	21,743	4,914	1,599	1,627	1,688	15,076	2,012	1,852	1,843	1,923
1998	21,929	4,815	1,546	1,614	1,656	15,303	1,989	1,900	1,821	1,905
1999	22,092	4,735	1,507	1,625	1,602	15,492	1,940	1,959	1,796	1,890
2000	22,277	4,703	1,489	1,615	1,599	15,652	1,875	2,002	1,779	1,881
2001	22,406	4,662	1,427	1,619	1,616	15,770	1,768	1,992	1,829	1,856
2002	22,521	4,599	1,351	1,621	1,627	15,891	1,681	2,005	1,856	1,847
2003	22,605	4,482	1,310	1,561	1,611	16,035	1,646	1,977	1,901	1,821
2004	22,689	4,387	1,244	1,521	1,622	16,152	1,593	1,928	1,959	1,797
2005	22,770	4,259	1,144	1,503	1,612	16,295	1,590	1,865	2,003	1,782
2006	22,877	4,146	1,093	1,437	1,616	16,444	1,609	1,760	1,999	1,836
2007	22,958	4,031	1,053	1,360	1,618	16,585	1,620	1,676	2,017	1,867
2008	23,037	3,905	1,026	1,320	1,559	16,730	1,606	1,642	1,995	1,917
2009	23,120	3,778	1,002	1,256	1,520	16,884	1,618	1,590	1,951	1,982
2010	23,162	3,624	964	1,158	1,502	17,050	1,608	1,587	1,887	2,029
2011	23,225	3,502	957	1,108	1,436	17,195	1,612	1,604	1,779	2,023
2012	23,316	3,412	984	1,068	1,360	17,304	1,616	1,616	1,688	2,039
2013	23,374	3,347	987	1,040	1,320	17,333	1,557	1,602	1,650	2,014
2014	23,434	3,277	1,005	1,017	1,255	17,348	1,518	1,614	1,593	1,965
2015	23,492	3,188	1,052	978	1,158	17,365	1,500	1,604	1,586	1,898
2016	23,540	3,142	1,063	971	1,108	17,292	1,435	1,608	1,602	1,788
2017	23,571	3,092	1,022	1,002	1,067	17,211	1,358	1,612	1,612	1,693
2018	23,589	3,048	1,009	1,001	1,039	17,107	1,318	1,553	1,597	1,653

(1) See (1) of Table 2-2.

Source: See Table 2-1.

2-6b. Population by Age Group (Continued)

Unit: 1,000 persons

End of Year	15-64						65 & Over		
	35-39	40-44	45-49	50-54	55-59	60-64	Subtotal	65-69	Over 70
1955	488	445	361	276	204	143	223	104	118
1960	632	504	454	350	257	181	268	118	150
1965	771	646	507	446	330	233	335	155	180
1970	846	850	698	514	431	300	428	200	228
1975	897	834	835	678	487	395	568	264	304
1980	907	887	818	811	646	454	766	351	415
1985	1,159	895	868	795	776	604	977	407	570
1990	1,685	1,145	888	852	765	728	1,269	546	722
1994	1,835	1,594	1,001	884	789	722	1,562	647	915
1995	1,858	1,670	1,121	848	810	715	1,631	664	967
1996	1,877	1,704	1,275	827	828	709	1,692	671	1,020
1997	1,916	1,733	1,392	849	839	719	1,752	673	1,079
1998	1,944	1,776	1,490	895	852	731	1,810	668	1,142
1999	1,951	1,816	1,568	975	851	747	1,865	663	1,202
2000	1,948	1,840	1,644	1,096	818	769	1,921	659	1,262
2001	1,947	1,859	1,679	1,251	801	789	1,973	656	1,317
2002	1,914	1,896	1,706	1,364	822	799	2,031	666	1,366
2003	1,892	1,919	1,745	1,456	866	811	2,088	677	1,411
2004	1,878	1,926	1,784	1,532	944	811	2,150	694	1,456
2005	1,870	1,925	1,809	1,608	1,063	780	2,217	715	1,502
2006	1,850	1,928	1,832	1,647	1,217	766	2,287	737	1,550
2007	1,845	1,897	1,870	1,675	1,329	789	2,343	749	1,594
2008	1,824	1,879	1,896	1,716	1,422	834	2,402	763	1,640
2009	1,805	1,868	1,905	1,756	1,498	911	2,458	764	1,694
2010	1,792	1,862	1,905	1,780	1,573	1,027	2,488	737	1,751
2011	1,845	1,842	1,906	1,801	1,608	1,175	2,528	725	1,804
2012	1,874	1,837	1,875	1,838	1,636	1,284	2,600	747	1,853
2013	1,924	1,816	1,856	1,864	1,676	1,374	2,694	792	1,902
2014	1,984	1,795	1,845	1,872	1,714	1,447	2,809	866	1,943
2015	2,029	1,781	1,839	1,871	1,737	1,520	2,939	977	1,962
2016	2,023	1,834	1,820	1,872	1,757	1,554	3,106	1,118	1,988
2017	2,040	1,864	1,816	1,842	1,793	1,582	3,268	1,222	2,046
2018	2,014	1,914	1,795	1,824	1,818	1,620	3,434	1,309	2,125

2-7a. Percentages of Population by Age Group (1)

Unit: %

End of Year	All Ages	Under 15				15-64				
		Subtotal	Under 5	5-9	10-14	Subtotal	15-19	20-24	25-29	30-34
1955	100.0	43.4	19.6	13.4	10.4	54.1	10.2	8.4	7.8	6.6
1960	100.0	45.4	17.9	16.3	11.2	52.1	8.7	7.0	7.5	6.8
1965	100.0	44.9	15.7	15.2	13.9	52.5	9.5	6.1	7.2	6.5
1970	100.0	39.7	12.9	13.7	13.1	57.4	12.0	8.2	6.3	6.2
1975	100.0	35.4	11.0	11.9	12.4	61.1	11.9	10.8	7.3	5.6
1980	100.0	32.1	11.2	10.2	10.8	63.6	11.2	10.8	9.7	6.6
1985	100.0	29.6	9.7	10.5	9.4	65.3	9.9	10.4	9.8	8.9
1990	100.0	27.1	7.9	9.3	9.9	66.7	8.8	9.3	9.7	9.2
1994	100.0	24.4	7.6	7.6	9.2	68.2	9.3	8.5	8.9	9.3
1995	100.0	23.8	7.4	7.5	8.8	68.6	9.4	8.3	8.8	9.2
1996	100.0	23.1	7.4	7.5	8.3	69.0	9.3	8.5	8.6	9.1
1997	100.0	22.6	7.4	7.5	7.8	69.3	9.3	8.5	8.5	8.8
1998	100.0	22.0	7.0	7.4	7.6	69.8	9.1	8.7	8.3	8.7
1999	100.0	21.4	6.8	7.4	7.3	70.1	8.8	8.9	8.1	8.6
2000	100.0	21.1	6.7	7.3	7.2	70.3	8.4	9.0	8.0	8.4
2001	100.0	20.8	6.4	7.2	7.2	70.4	7.9	8.9	8.2	8.3
2002	100.0	20.4	6.0	7.2	7.2	70.6	7.5	8.9	8.2	8.2
2003	100.0	19.8	5.8	6.9	7.1	70.9	7.3	8.7	8.4	8.1
2004	100.0	19.3	5.5	6.7	7.1	71.2	7.0	8.5	8.6	7.9
2005	100.0	18.7	5.0	6.6	7.1	71.6	7.0	8.2	8.8	7.8
2006	100.0	18.1	4.8	6.3	7.1	71.9	7.0	7.7	8.7	8.0
2007	100.0	17.6	4.6	5.9	7.0	72.2	7.1	7.3	8.8	8.1
2008	100.0	17.0	4.5	5.7	6.8	72.6	7.0	7.1	8.7	8.3
2009	100.0	16.3	4.3	5.4	6.6	73.0	7.0	6.9	8.4	8.6
2010	100.0	15.6	4.2	5.0	6.5	73.6	6.9	6.9	8.1	8.8
2011	100.0	15.1	4.1	4.8	6.2	74.0	6.9	6.9	7.7	8.7
2012	100.0	14.6	4.2	4.6	5.8	74.2	6.9	6.9	7.2	8.7
2013	100.0	14.3	4.2	4.4	5.6	74.2	6.7	6.9	7.1	8.6
2014	100.0	14.0	4.3	4.3	5.4	74.0	6.5	6.9	6.8	8.4
2015	100.0	13.6	4.5	4.2	4.9	73.9	6.4	6.8	6.8	8.1
2016	100.0	13.3	4.5	4.1	4.7	73.5	6.1	6.8	6.8	7.6
2017	100.0	13.1	4.3	4.3	4.5	73.0	5.8	6.8	6.8	7.2
2018	100.0	12.9	4.3	4.2	4.4	72.5	5.8	6.6	6.8	7.0

(1) See (1) of Table 2-2.

Source: See Table 2-1.

2-7b. Percentages of Population by Age Group (continued)

End of Year	15-64						65 & Over		
	35-39	40-44	45-49	50-54	55-59	60-64	Subtotal	65-69	Over 70
1955	5.4	4.9	4.0	3.0	2.2	1.6	2.5	1.1	1.3
1960	5.9	4.7	4.2	3.2	2.4	1.7	2.5	1.1	1.4
1965	6.1	5.1	4.0	3.5	2.6	1.8	2.6	1.2	1.4
1970	5.8	5.8	4.8	3.5	2.9	2.0	2.9	1.4	1.6
1975	5.5	5.1	5.1	4.2	3.0	2.4	3.5	1.6	1.9
1980	5.1	5.0	4.6	4.5	3.6	2.5	4.3	2.0	2.3
1985	6.0	4.6	4.5	4.1	4.0	3.1	5.1	2.1	3.0
1990	8.3	5.6	4.4	4.2	3.8	3.6	6.2	2.7	3.5
1994	8.7	7.5	4.7	4.2	3.7	3.4	7.4	3.1	4.3
1995	8.7	7.8	5.2	4.0	3.8	3.3	7.6	3.1	4.5
1996	8.7	7.9	5.9	3.8	3.8	3.3	7.9	3.1	4.7
1997	8.8	8.0	6.4	3.9	3.9	3.3	8.1	3.1	5.0
1998	8.9	8.1	6.8	4.1	3.9	3.3	8.3	3.0	5.2
1999	8.8	8.2	7.1	4.4	3.9	3.4	8.4	3.0	5.4
2000	8.7	8.3	7.4	4.9	3.7	3.4	8.6	3.0	5.7
2001	8.7	8.3	7.5	5.6	3.6	3.5	8.8	2.9	5.9
2002	8.5	8.4	7.6	6.1	3.6	3.5	9.0	3.0	6.1
2003	8.4	8.5	7.7	6.4	3.8	3.6	9.2	3.0	6.2
2004	8.3	8.5	7.9	6.8	4.2	3.6	9.5	3.1	6.4
2005	8.2	8.5	7.9	7.1	4.7	3.4	9.7	3.1	6.6
2006	8.1	8.4	8.0	7.2	5.3	3.3	10.0	3.2	6.8
2007	8.0	8.3	8.1	7.3	5.8	3.4	10.2	3.3	6.9
2008	7.9	8.2	8.2	7.4	6.2	3.6	10.4	3.3	7.1
2009	7.8	8.1	8.2	7.6	6.5	3.9	10.6	3.3	7.3
2010	7.7	8.0	8.2	7.7	6.8	4.4	10.7	3.2	7.6
2011	7.9	7.9	8.2	7.8	6.9	5.1	10.9	3.1	7.8
2012	8.0	7.9	8.0	7.9	7.0	5.5	11.2	3.2	7.9
2013	8.2	7.8	7.9	8.0	7.2	5.9	11.5	3.4	8.1
2014	8.5	7.7	7.9	8.0	7.3	6.2	12.0	3.7	8.3
2015	8.6	7.6	7.8	8.0	7.4	6.5	12.5	4.2	8.3
2016	8.6	7.8	7.7	8.0	7.5	6.6	13.2	4.8	8.4
2017	8.7	7.9	7.7	7.8	7.6	6.7	13.9	5.2	8.7
2018	8.7	7.9	7.7	7.8	7.6	6.7	14.6	5.6	9.0

2-8a. Labor Force Statistics (1)

Period	Population Aged 15 & Over	In Labor Force					Not in Labor Force
		Total	Employed		Unemployed		
			Male	Female	Male	Female	
I. Number (1,000 persons)							
1986	13,161	7,945	4,821	2,912	136	75	5,216
1987	13,432	8,183	4,966	3,057	100	61	5,248
1988	13,696	8,247	5,043	3,064	87	52	5,449
1989	13,955	8,390	5,149	3,110	82	49	5,565
1990	14,219	8,423	5,175	3,108	88	52	5,795
1991	14,496	8,569	5,274	3,165	80	49	5,927
1992	14,771	8,765	5,380	3,252	81	52	6,006
1993	15,087	8,874	5,422	3,323	75	54	6,213
1994	15,401	9,081	5,511	3,428	84	58	6,321
1995	15,687	9,210	5,558	3,487	101	64	6,478
1996	15,932	9,310	5,508	3,560	154	88	6,621
1997	16,170	9,432	5,562	3,613	169	88	6,738
1998	16,448	9,546	5,610	3,679	169	88	6,902
1999	16,687	9,668	5,624	3,761	188	95	7,020
2000	16,963	9,784	5,670	3,821	197	95	7,178
2001	17,179	9,832	5,553	3,830	302	148	7,347
2002	17,387	9,969	5,547	3,907	348	167	7,417
2003	17,572	10,076	5,579	3,994	326	177	7,495
2004	17,760	10,240	5,680	4,106	288	166	7,520
2005	17,949	10,371	5,753	4,190	259	169	7,578
2006	18,166	10,522	5,810	4,301	245	166	7,644
2007	18,392	10,713	5,868	4,426	248	171	7,679
2008	18,623	10,853	5,902	4,501	271	179	7,770
2009	18,855	10,917	5,776	4,502	404	235	7,937
2010	19,062	11,070	5,880	4,613	362	215	7,992
2011	19,253	11,200	6,006	4,702	297	194	8,053
2012	19,436	11,341	6,083	4,777	286	195	8,096
2013	19,587	11,445	6,116	4,851	286	192	8,142
2014	19,705	11,535	6,166	4,913	275	182	8,170
2015	19,842	11,638	6,234	4,964	263	177	8,204
2016	19,962	11,727	6,267	5,000	274	185	8,235
2017	20,049	11,795	6,305	5,047	263	180	8,254
2018	20,129	11,874	6,346	5,089	257	184	8,254

(1) Referring to civilian labor force only.

Source: Online database of Directorate-General of Budget, Accounting & Statistics, Executive Yuan, R.O.C., retrieved June 2019.

2-8b. Labor Force Statistics (continued)

Period	Population Aged 15 & Over	In Labor Force					Not in Labor Force	Unemployment Rate (%)
		Total	Employed		Unemployed			
			Male	Female	Male	Female		
II. Percentage (%)								
1986	100.0	60.4	36.6	22.1	1.0	0.6	39.6	2.7
1987	100.0	60.9	37.0	22.8	0.7	0.5	39.1	2.0
1988	100.0	60.2	36.8	22.4	0.6	0.4	39.8	1.7
1989	100.0	60.1	36.9	22.3	0.6	0.4	39.9	1.6
1990	100.0	59.2	36.4	21.9	0.6	0.4	40.8	1.7
1991	100.0	59.1	36.4	21.8	0.6	0.3	40.9	1.5
1992	100.0	59.3	36.4	22.0	0.5	0.4	40.7	1.5
1993	100.0	58.8	35.9	22.0	0.5	0.4	41.2	1.5
1994	100.0	59.0	35.8	22.3	0.5	0.4	41.0	1.6
1995	100.0	58.7	35.4	22.2	0.6	0.4	41.3	1.8
1996	100.0	58.4	34.6	22.3	1.0	0.6	41.6	2.6
1997	100.0	58.3	34.4	22.3	1.0	0.5	41.7	2.7
1998	100.0	58.0	34.1	22.4	1.0	0.5	42.0	2.7
1999	100.0	57.9	33.7	22.5	1.1	0.6	42.1	2.9
2000	100.0	57.7	33.4	22.5	1.2	0.6	42.3	3.0
2001	100.0	57.2	32.3	22.3	1.8	0.9	42.8	4.6
2002	100.0	57.3	31.9	22.5	2.0	1.0	42.7	5.2
2003	100.0	57.3	31.7	22.7	1.9	1.0	42.7	5.0
2004	100.0	57.7	32.0	23.1	1.6	0.9	42.3	4.4
2005	100.0	57.8	32.1	23.3	1.4	0.9	42.2	4.1
2006	100.0	57.9	32.0	23.7	1.3	0.9	42.1	3.9
2007	100.0	58.2	31.9	24.1	1.3	0.9	41.8	3.9
2008	100.0	58.3	31.7	24.2	1.5	1.0	41.7	4.1
2009	100.0	57.9	30.6	23.9	2.1	1.2	42.1	5.9
2010	100.0	58.1	30.8	24.2	1.9	1.1	41.9	5.2
2011	100.0	58.2	31.2	24.4	1.5	1.0	41.8	4.4
2012	100.0	58.4	31.3	24.6	1.5	1.0	41.7	4.2
2013	100.0	58.4	31.2	24.8	1.5	1.0	41.6	4.2
2014	100.0	58.5	31.3	24.9	1.4	0.9	41.5	4.0
2015	100.0	58.7	31.4	25.0	1.3	0.9	41.3	3.8
2016	100.0	58.7	31.4	25.0	1.4	0.9	41.3	3.9
2017	100.0	58.8	31.4	25.2	1.3	0.9	41.2	3.8
2018	100.0	59.0	31.5	25.3	1.3	0.9	41.0	3.7

2-9a. Employment by Industry

Period	Total	Primary Industry	Secondary Industry					Tertiary Industry			
			Subtotal	Mining	Mfg.	Const.	Utilities	Subtotal	Comm.	Trans.	Other Services
I. Number (1,000 persons)											
1955	3,108	1,667	560	57	411	84	8	881	313	124	444
1960	3,473	1,742	713	80	514	107	12	1,018	346	154	518
1965	3,763	1,748	839	82	612	130	15	1,176	389	179	608
1970	4,576	1,681	1,278	72	958	231	17	1,617	623	248	746
1975	5,521	1,681	1,927	62	1,518	325	23	1,913	775	314	824
1980	6,547	1,277	2,784	56	2,152	549	27	2,487	1,058	332	1,097
1985	7,428	1,297	3,088	35	2,501	517	34	3,044	1,327	385	1,332
1990	8,283	1,064	3,382	20	2,653	673	36	3,837	1,621	441	1,775
1994	8,939	976	3,506	18	2,485	967	36	4,456	1,875		2,109
1995	9,045	954	3,504	15	2,449	1,003	36	4,587	1,919	469	2,198
1996	9,068	918	3,399	14	2,422	928	35	4,751	1,976	472	2,303
1997	9,176	878	3,502	13	2,570	885	35	4,795	1,995	465	2,335
1998	9,289	822	3,523	12	2,611	865	35	4,944	2,047	477	2,421
1999	9,385	774	3,492	11	2,603	843	35	5,118	2,169	476	2,473
2000	9,491	738	3,534	11	2,655	832	36	5,220	2,201	481	2,537
2001	9,383	706	3,432	10	2,594	745	82	5,245	2,211	611	2,424
2002	9,454	709	3,388	9	2,572	724	83	5,356	2,272	598	2,487
2003	9,573	696	3,398	9	2,600	701	88	5,480	2,288	601	2,591
2004	9,786	642	3,514	7	2,681	732	93	5,631	2,331	614	2,684
2005	9,942	590	3,619	7	2,732	791	89	5,733	2,360	611	2,763
2006	10,111	554	3,700	7	2,777	829	88	5,857	2,424	626	2,808
2007	10,294	543	3,788	6	2,842	846	93	5,962	2,463	621	2,878
2008	10,403	535	3,832	6	2,886	842	99	6,036	2,457	617	2,962
2009	10,279	543	3,684	5	2,790	788	102	6,051	2,428	609	3,014
2010	10,493	550	3,769	4	2,861	797	107	6,174	2,474	612	3,088
2011	10,709	542	3,892	4	2,949	831	108	6,275	2,491	629	3,156
2012	10,860	544	3,935	4	2,975	845	111	6,381	2,550	642	3,188
2013	10,967	544	3,965	4	2,988	861	113	6,458	2,592	659	3,205
2014	11,079	548	4,004	4	3,007	881	111	6,526	2,617	674	3,234
2015	11,198	555	4,035	4	3,024	895	112	6,609	2,655	683	3,271
2016	11,267	557	4,043	4	3,028	899	112	6,667	2,679	689	3,298
2017	11,352	557	4,063	4	3,045	901	112	6,732	2,707	696	3,329
2018	11,434	561	4,083	4	3,064	904	111	6,790	2,739	704	3,348

Source: See Table 2-8a.

2-9b. Employment by Industry (Continued)

Period	Total	Primary Industry	Secondary Industry					Tertiary Industry			
			Subtotal	Mining	Mfg.	Const.	Utilities	Subtotal	Comm.	Trans.	Other Services
II. Percentage (%)											
1955	100.0	53.6	18.0	1.8	13.2	2.7	0.3	28.3	10.1	4.0	14.3
1960	100.0	50.2	20.5	2.3	14.8	3.1	0.3	29.3	10.0	4.4	14.9
1965	100.0	46.5	22.3	2.2	16.3	3.5	0.4	31.3	10.3	4.8	16.2
1970	100.0	36.7	27.9	1.6	20.9	5.0	0.4	35.3	13.6	5.4	16.3
1975	100.0	30.4	34.9	1.1	27.5	5.9	0.4	34.6	14.0	5.7	14.9
1980	100.0	19.5	42.5	0.9	32.9	8.4	0.4	38.0	16.2	5.1	16.8
1985	100.0	17.5	41.6	0.5	33.7	7.0	0.5	41.0	17.9	5.2	17.9
1990	100.0	12.8	40.8	0.2	32.0	8.1	0.4	46.3	19.6	5.3	21.4
1994	100.0	10.9	39.2	0.2	27.8	10.8	0.4	49.9	21.0	5.3	23.6
1995	100.0	10.6	38.7	0.2	27.1	11.1	0.4	50.7	21.2	5.2	24.3
1996	100.0	10.1	37.5	0.2	26.7	10.2	0.4	52.4	21.8	5.2	25.4
1997	100.0	9.6	38.2	0.1	28.0	9.6	0.4	52.3	21.7	5.1	25.5
1998	100.0	8.9	37.9	0.1	28.1	9.3	0.4	53.2	22.0	5.1	26.1
1999	100.0	8.3	37.2	0.1	27.7	9.0	0.4	54.5	23.1	5.1	26.4
2000	100.0	7.8	37.2	0.1	28.0	8.8	0.4	55.0	23.2	5.1	26.7
2001	100.0	7.5	36.6	0.1	27.7	7.9	0.9	55.9	23.6	6.5	25.8
2002	100.0	7.5	35.8	0.1	27.2	7.7	0.9	56.7	24.0	6.3	26.3
2003	100.0	7.3	35.5	0.1	27.2	7.3	0.9	57.2	23.9	6.3	27.1
2004	100.0	6.6	35.9	0.1	27.4	7.5	1.0	57.5	23.8	6.3	27.4
2005	100.0	5.9	36.4	0.1	27.5	8.0	0.9	57.7	23.7	6.1	27.8
2006	100.0	5.5	36.6	0.1	27.5	8.2	0.9	57.9	24.0	6.2	27.8
2007	100.0	5.3	36.8	0.1	27.6	8.2	0.9	57.9	23.9	6.0	28.0
2008	100.0	5.1	36.8	0.1	27.7	8.1	1.0	58.0	23.6	5.9	28.5
2009	100.0	5.3	35.9	0.05	27.2	7.7	1.0	58.9	23.6	5.9	29.3
2010	100.0	5.2	35.9	0.04	27.3	7.6	1.0	58.8	23.6	5.8	29.4
2011	100.0	5.1	36.3	0.04	27.5	7.8	1.0	58.6	23.3	5.9	29.5
2012	100.0	5.0	36.2	0.04	27.4	7.8	1.0	58.8	23.5	5.9	29.3
2013	100.0	5.0	36.2	0.04	27.2	7.9	1.0	58.9	23.6	6.0	29.2
2014	100.0	5.0	36.1	0.04	27.1	8.0	1.0	58.9	23.6	6.1	29.2
2015	100.0	5.0	36.0	0.04	27.0	8.0	1.0	59.0	23.7	6.1	29.2
2016	100.0	5.0	35.9	0.03	26.9	8.0	1.0	59.2	23.8	6.1	29.3
2017	100.0	4.9	35.8	0.04	26.8	7.9	1.0	59.3	23.8	6.1	29.3
2018	100.0	4.9	35.7	0.03	26.8	7.9	1.0	59.4	24.0	6.2	29.3

2-10a. Employment by Level of Education

Period	Total	Junior High & Below			Senior High & Vocational			Junior College & Above		
		Subtotal	Primary & Below	Junior High	Subtotal	Senior High	Vocational	Subtotal	Junior College	College & Above
I. Number (1,000 persons)										
1980	6,547	4,588	3,360	1,228	1,279	449	829	681	350	331
1985	7,428	4,703	3,228	1,475	1,797	533	1,264	928	510	419
1990	8,283	4,456	2,807	1,649	2,473	704	1,770	1,354	758	596
1992	8,632	4,414	2,654	1,760	2,691	745	1,946	1,527	884	643
1993	8,745	4,265	2,516	1,750	2,822	759	2,064	1,658	954	704
1994	8,939	4,262	2,458	1,804	2,925	774	2,151	1,751	1,019	732
1995	9,045	4,180	2,361	1,819	2,999	767	2,232	1,866	1,066	800
1996	9,068	3,953	2,194	1,759	3,095	786	2,309	2,019	1,162	858
1997	9,176	3,877	2,112	1,765	3,110	805	2,304	2,189	1,250	938
1998	9,289	3,762	1,985	1,778	3,214	854	2,359	2,313	1,308	1,005
1999	9,385	3,609	1,815	1,794	3,317	874	2,443	2,459	1,394	1,065
2000	9,491	3,520	1,724	1,797	3,375	877	2,498	2,596	1,473	1,123
2001	9,383	3,318	1,602	1,716	3,371	859	2,512	2,694	1,525	1,169
2002	9,454	3,179	1,532	1,647	3,424	857	2,567	2,851	1,581	1,271
2003	9,573	3,063	1,452	1,611	3,491	869	2,622	3,019	1,628	1,391
2004	9,786	2,975	1,376	1,598	3,592	883	2,709	3,220	1,677	1,542
2005	9,942	2,880	1,300	1,581	3,605	873	2,732	3,458	1,724	1,733
2006	10,111	2,770	1,206	1,564	3,631	865	2,766	3,711	1,759	1,951
2007	10,294	2,689	1,137	1,553	3,680	886	2,794	3,925	1,764	2,161
2008	10,403	2,560	1,063	1,497	3,667	881	2,786	4,176	1,787	2,389
2009	10,279	2,392	971	1,421	3,551	859	2,692	4,336	1,767	2,568
2010	10,493	2,361	945	1,415	3,583	871	2,712	4,549	1,798	2,752
2011	10,709	2,312	910	1,402	3,645	894	2,751	4,752	1,814	2,938
2012	10,860	2,268	885	1,383	3,674	910	2,764	4,917	1,812	3,106
2013	10,967	2,226	855	1,371	3,661	908	2,753	5,080	1,807	3,273
2014	11,079	2,124	787	1,337	3,675	928	2,747	5,280	1,805	3,474
2015	11,198	2,061	750	1,311	3,692	946	2,746	5,445	1,805	3,640
2016	11,267	2,009	718	1,291	3,688	951	2,737	5,571	1,801	3,770
2017	11,352	1,959	686	1,274	3,694	953	2,742	5,698	1,806	3,892
2018	11,434	1,913	656	1,258	3,706	958	2,749	5,814	1,815	3,999

Source: See Table 2-8a.

2-10b. Employment by Level of Education (Continued)

Period	Total	Junior High & Below			Senior High & Vocational			Junior College & Above		
		Subtotal	Primary & Under	Junior High	Subtotal	Senior High	Vocational	Subtotal	Junior College	College & Above
II. Percentage (%)										
1980	100.0	70.1	51.3	18.8	19.5	6.9	12.7	10.4	5.3	5.1
1985	100.0	63.3	43.5	19.9	24.2	7.2	17.0	12.5	6.9	5.6
1990	100.0	53.8	33.9	19.9	29.9	8.5	21.4	16.3	9.2	7.2
1992	100.0	51.1	30.7	20.4	31.2	8.6	22.5	17.7	10.2	7.4
1993	100.0	48.8	28.8	20.0	32.3	8.7	23.6	19.0	10.9	8.1
1994	100.0	47.7	27.5	20.2	32.7	8.7	24.1	19.6	11.4	8.2
1995	100.0	46.2	26.1	20.1	33.2	8.5	24.7	20.6	11.8	8.8
1996	100.0	43.6	24.2	19.4	34.1	8.7	25.5	22.3	12.8	9.5
1997	100.0	42.3	23.0	19.2	33.9	8.8	25.1	23.9	13.6	10.2
1998	100.0	40.5	21.4	19.1	34.6	9.2	25.4	24.9	14.1	10.8
1999	100.0	38.5	19.3	19.1	35.3	9.3	26.0	26.2	14.9	11.3
2000	100.0	37.1	18.2	18.9	35.6	9.2	26.3	27.4	15.5	11.8
2001	100.0	35.4	17.1	18.3	35.9	9.2	26.8	28.7	16.3	12.5
2002	100.0	33.6	16.2	17.4	36.2	9.1	27.2	30.2	16.7	13.4
2003	100.0	32.0	15.2	16.8	36.5	9.1	27.4	31.5	17.0	14.5
2004	100.0	30.4	14.1	16.3	36.7	9.0	27.7	32.9	17.1	15.8
2005	100.0	29.0	13.1	15.9	36.3	8.8	27.5	34.8	17.3	17.4
2006	100.0	27.4	11.9	15.5	35.9	8.6	27.4	36.7	17.4	19.3
2007	100.0	26.1	11.0	15.1	35.7	8.6	27.1	38.1	17.1	21.0
2008	100.0	24.6	10.2	14.4	35.2	8.5	26.8	40.1	17.2	23.0
2009	100.0	23.3	9.4	13.8	34.5	8.4	26.2	42.2	17.2	25.0
2010	100.0	22.5	9.0	13.5	34.1	8.3	25.8	43.4	17.1	26.2
2011	100.0	21.6	8.5	13.1	34.0	8.3	25.7	44.4	16.9	27.4
2012	100.0	20.9	8.1	12.7	33.8	8.4	25.5	45.3	16.7	28.6
2013	100.0	20.3	7.8	12.5	33.4	8.3	25.1	46.3	16.5	29.8
2014	100.0	19.2	7.1	12.1	33.2	8.4	24.8	47.7	16.3	31.4
2015	100.0	18.4	6.7	11.7	33.0	8.4	24.5	48.6	16.1	32.5
2016	100.0	17.8	6.4	11.5	32.7	8.4	24.3	49.4	16.0	33.5
2017	100.0	17.3	6.0	11.2	32.5	8.4	24.2	50.2	15.9	34.3
2018	100.0	16.7	5.7	11.0	32.4	8.4	24.0	50.8	15.9	35.0

2-11a. Average Monthly Working Hours of Employees of Nonagricultural Industries

Unit: hour

Period	Industry & Services	Industry	Mining & Quarrying	Manufacturing	Electricity & Gas Supply	Water Supply & Remediation Services	Construction	Services	Trade	Transport & Storage
1980	215	217	187	221	229	205	201	211	210	215
1985	204	205	183	205	195	196	201	202	200	211
1990	197	200	187	202	190	192	191	192	190	202
1993	196	200	193	202	190	190	191	192	189	199
1994	197	201	191	202	190	194	195	191	190	198
1995	194	200	189	202	187	193	195	188	186	196
1996	193	199	189	201	186	195	193	187	184	196
1997	194	200	191	202	184	191	192	188	187	196
1998	190	196	190	198	182	187	188	184	183	193
1999	190	197	186	199	183	184	186	184	183	191
2000	190	197	185	199	182	188	188	184	183	190
2001	180	184	184	184	173	184	181	177	178	182
2002	181	186	188	188	172	182	176	177	177	181
2003	181	186	186	188	171	182	176	177	176	179
2004	184	189	184	191	172	183	177	179	180	183
2005	182	187	181	189	171	185	178	177	178	181
2006	181	186	183	187	172	184	178	177	175	180
2007	180	186	184	187	171	185	177	176	175	179
2008	180	183	184	185	173	187	176	176	176	179
2009	177	179	182	179	172	183	175	175	176	180
2010	181	187	185	189	173	183	177	176	176	182
2011	179	184	182	185	171	179	178	174	174	179
2012	178	183	183	184	177	179	178	175	173	181
2013	177	183	182	184	175	179	175	173	172	179
2014	178	184	181	185	176	180	176	174	173	180
2015	175	181	179	182	175	176	172	171	171	178
2016	170	174	174	175	172	169	166	166	165	172
2017	170	174	170	176	177	168	165	166	165	172
2018	169	175	168	176	178	168	166	166	164	173

Source: See Table 2-8a.

2-11b. Average Monthly Working Hours of Employees of Nonagricultural Industries (Continued)

Unit: hour

Period	Accommodation and Food Services	Information and Communications	Finance & Insurance	Real Estate	Professional, Scientific and Technical Services	Support Services	Education	Human Health Services	Arts, Entertainment and Recreation	Other Services
1980	213	192	197	198	202	204	...	208	230	243
1985	220	173	191	194	196	198	...	194	219	238
1990	187	188	183	195	192	193	...	191	207	224
1993	201	184	183	196	188	191	...	187	208	220
1994	199	186	181	199	188	194	...	186	207	216
1995	193	185	180	195	186	192	...	185	200	215
1996	186	184	181	187	185	194	...	185	197	216
1997	184	183	180	187	186	195	...	188	199	214
1998	185	181	176	185	180	188	...	187	203	207
1999	189	177	175	181	181	187	...	185	202	208
2000	188	176	174	178	183	192	...	183	199	208
2001	176	166	166	172	176	187	...	178	192	200
2002	176	170	169	174	175	187	...	179	191	200
2003	177	169	169	178	176	189	...	177	189	197
2004	169	169	169	185	178	191	...	176	185	200
2005	174	169	168	186	176	189	...	176	185	200
2006	174	168	169	183	175	192	...	175	186	201
2007	173	168	167	178	175	189	...	175	185	202
2008	172	169	168	180	176	188	...	174	181	200
2009	170	169	168	182	174	188	141	174	184	195
2010	172	170	169	180	175	192	139	175	181	196
2011	169	168	166	179	173	192	135	174	182	197
2012	171	169	168	180	174	192	132	175	183	197
2013	170	166	165	180	172	188	132	173	181	196
2014	169	166	166	180	174	188	134	173	178	194
2015	167	165	162	177	170	185	133	172	178	190
2016	164	161	163	169	165	180	133	166	170	184
2017	160	163	165	169	165	179	132	167	164	180
2018	158	162	166	169	165	179	131	166	162	178

2-12a. Average Monthly Earnings of Employees of Nonagricultural Industries

Unit: NTS

Period	Industry & Services	Industry	Mining & Quarrying	Manufacturing	Electricity & Gas Supply	Water Supply & Remediation Services	Construction	Services	Trade	Transport & Storage
1989	21,247	19,919	21,689	19,431	42,612	23,022	21,433	23,439	21,021	23,369
1990	24,315	22,686	26,522	22,014	47,466	28,249	24,719	26,751	24,692	26,376
1991	26,875	25,362	28,671	24,430	58,395	29,916	28,193	29,032	26,435	29,898
1992	29,436	27,937	31,937	26,942	60,937	31,017	30,825	31,437	28,152	32,272
1993	31,689	30,043	32,875	28,826	64,897	33,927	33,638	33,752	30,548	34,769
1994	33,637	31,833	33,887	30,752	69,330	38,065	34,379	35,802	32,089	36,712
1995	35,355	33,439	35,633	32,494	71,940	39,072	35,278	37,433	34,149	39,260
1996	36,655	34,697	37,354	33,839	79,953	39,304	35,817	38,714	34,905	40,985
1997	38,435	36,179	38,545	35,408	80,437	40,281	37,029	40,787	36,406	42,717
1998	39,603	37,234	40,083	36,438	88,192	41,708	37,886	42,022	37,696	44,076
1999	40,781	38,410	41,432	37,746	91,265	44,729	38,070	43,166	38,695	45,074
2000	41,831	39,505	43,066	38,922	91,805	44,341	38,897	44,143	39,541	45,951
2001	41,952	39,011	44,068	38,420	97,399	46,002	37,746	44,796	39,775	48,019
2002	41,533	38,843	44,804	38,444	93,466	43,917	36,844	44,105	39,152	46,512
2003	42,068	39,858	47,720	39,558	95,191	43,954	37,214	44,152	39,610	45,936
2004	42,684	40,849	46,307	40,666	94,525	42,880	37,916	44,386	39,819	46,884
2005	43,162	41,916	47,671	41,868	91,184	47,647	38,450	44,280	39,546	48,516
2006	43,492	42,515	53,344	42,403	97,230	47,251	39,168	44,349	39,380	48,340
2007	44,411	43,358	50,949	43,240	98,519	44,399	40,310	45,320	39,463	49,095
2008	44,418	43,384	51,333	43,297	89,432	44,521	40,754	45,296	39,956	49,585
2009	42,299	40,338	49,448	39,525	96,285	44,042	40,870	43,867	40,081	47,911
2010	44,646	43,465	52,551	43,152	96,523	45,106	41,598	45,600	41,766	49,012
2011	45,961	44,824	53,978	44,603	95,382	45,828	42,716	46,881	42,562	50,333
2012	46,109	45,309	52,752	45,238	92,871	43,675	42,683	46,747	41,815	50,364
2013	46,174	45,434	54,871	45,448	88,934	44,143	42,540	46,756	42,249	50,021
2014	47,832	46,903	54,093	47,018	94,111	44,919	43,251	48,558	44,377	50,291
2015	49,024	48,373	57,198	48,713	96,595	44,357	43,346	49,526	45,422	51,579
2016	49,266	48,654	55,425	49,162	94,453	43,216	42,839	49,730	45,345	52,540
2017	50,480	49,907	55,098	50,678	94,730	44,286	42,506	50,912	47,260	53,314
2018	52,407	52,005	56,288	52,948	96,054	45,319	43,645	52,708	49,798	54,994

Source: See Table 2-8a.

2-12b. Average Monthly Earnings of Employees of Nonagricultural Industries (Continued)

Unit: NTS

Period	Accommodation and Food Services	Information and Communications	Finance and Insurance	Real Estate	Professional, Scientific & Technical Services	Support Services	Education	Human Health Services	Arts, Entertainment and Recreation	Other Services
1989	13,491	32,564	39,248	30,359	26,038	18,896	...	25,147	16,153	14,737
1990	15,448	36,866	39,061	33,984	30,982	22,457	...	29,158	17,888	16,902
1991	17,049	41,579	41,031	39,214	33,345	23,702	...	32,366	18,235	18,631
1992	18,209	44,519	46,380	39,911	37,285	25,708	...	35,670	20,463	21,485
1993	18,950	48,782	50,034	42,402	39,900	27,785	...	37,176	21,124	22,150
1994	20,373	52,229	56,462	42,056	39,730	29,018	...	39,633	22,133	23,205
1995	22,317	54,649	54,658	40,614	41,436	32,927	...	41,623	22,116	25,077
1996	22,198	55,873	56,887	40,445	41,642	33,649	...	44,797	23,532	25,846
1997	23,528	58,831	60,597	40,666	44,042	35,394	...	47,378	24,894	26,929
1998	24,040	61,421	59,546	41,719	45,393	34,814	...	48,920	26,256	29,530
1999	25,117	61,260	60,332	44,429	47,349	34,920	...	51,020	26,524	30,825
2000	26,060	62,759	60,872	43,716	48,628	35,277	...	53,397	27,592	31,335
2001	25,973	62,100	62,657	42,277	48,812	35,579	...	54,484	28,338	29,927
2002	25,687	59,239	65,703	40,896	45,653	34,605	...	53,841	27,889	29,236
2003	24,951	60,292	64,645	40,431	47,411	32,871	...	55,702	27,666	28,947
2004	24,812	59,417	66,671	39,781	49,292	32,707	...	55,341	29,662	29,421
2005	25,121	61,381	65,113	38,819	50,871	32,815	...	55,604	29,898	30,384
2006	24,960	61,134	69,054	38,313	51,721	32,622	...	55,430	31,303	30,203
2007	25,476	63,731	75,824	37,874	53,144	33,102	...	56,613	31,414	29,925
2008	26,699	63,777	71,520	40,340	54,169	32,916	...	58,134	31,931	29,314
2009	27,106	61,888	67,713	39,032	49,426	31,249	22,197	57,858	31,242	29,738
2010	27,788	64,266	74,219	42,093	52,141	32,064	22,459	57,897	32,687	30,832
2011	29,715	66,291	76,920	43,783	54,097	32,855	22,416	59,900	33,236	32,526
2012	30,072	66,962	77,957	41,546	54,950	33,436	22,773	60,261	35,446	32,601
2013	30,459	65,547	77,864	42,165	53,835	33,662	22,923	59,908	36,070	33,020
2014	31,676	66,386	83,085	44,786	55,491	34,689	24,226	61,298	35,829	34,491
2015	32,508	66,595	84,742	44,075	56,132	35,451	24,304	64,100	36,184	33,901
2016	32,498	67,749	85,452	42,897	56,427	35,855	24,876	65,236	36,821	33,497
2017	33,406	69,196	86,425	44,893	57,585	36,178	25,288	65,681	37,535	33,860
2018	34,077	69,909	89,215	47,658	58,773	37,133	26,033	67,014	38,742	34,966

2-13a. Indices of Average Earnings of Employees of Nonagricultural Industries

Base: 2016=100

Period	Industry & Services	Industry	Mining & Quarrying	Manu- facturing	Electricity & Gas Supply	Water Supply & Remediation Services	Cons- truction	Services	Trade	Transport & Storage
1989	43.13	40.94	39.13	39.52	45.11	53.27	50.03	47.13	46.36	44.48
1990	49.35	46.63	47.85	44.78	50.25	65.37	57.70	53.79	54.45	50.20
1991	54.55	52.13	51.73	49.69	61.82	69.22	65.81	58.38	58.30	56.91
1992	59.75	57.42	57.62	54.80	64.52	71.77	71.96	63.22	62.08	61.42
1993	64.32	61.75	59.31	58.63	68.71	78.51	78.52	67.87	67.37	66.18
1994	68.28	65.43	61.14	62.55	73.40	88.08	80.25	71.99	70.77	69.87
1995	71.76	68.73	64.29	66.10	76.16	90.41	82.35	75.27	75.31	74.72
1997	78.02	74.36	69.54	72.02	85.16	93.21	86.44	82.02	80.29	81.30
1998	80.39	76.53	72.32	74.12	93.37	96.51	88.44	84.50	83.13	83.89
1999	82.78	78.95	74.75	76.78	96.62	103.50	88.87	86.80	85.33	85.79
2000	84.91	81.20	77.70	79.17	97.20	102.60	90.80	88.77	87.20	87.46
2001	85.15	80.18	79.51	78.15	103.12	106.45	88.11	90.08	87.72	91.40
2002	84.30	79.84	80.84	78.20	98.96	101.62	86.01	88.69	86.34	88.53
2003	85.39	81.92	86.10	80.46	100.78	101.71	86.87	88.78	87.35	87.43
2004	86.64	83.96	83.55	82.72	100.08	99.22	88.51	89.25	87.81	89.23
2005	87.61	86.15	86.01	85.16	96.54	110.25	89.75	89.04	87.21	92.34
2006	88.28	87.38	96.25	86.25	102.94	109.34	91.43	89.18	86.85	92.01
2007	90.15	89.11	91.92	87.95	104.30	102.74	94.10	91.13	87.03	93.44
2008	90.16	89.17	92.62	88.07	94.68	103.02	95.13	91.08	88.12	94.38
2009	85.86	82.91	89.22	80.40	101.94	101.91	95.40	88.21	88.39	91.19
2010	90.62	89.33	94.81	87.78	102.19	104.37	97.10	91.70	92.11	93.29
2011	93.29	92.13	97.39	90.73	100.98	106.04	99.71	94.27	93.86	95.80
2012	93.59	93.12	95.18	92.02	98.33	101.06	99.64	94.00	92.22	95.86
2013	93.72	93.38	99.00	92.45	94.16	102.15	99.30	94.02	93.17	95.21
2014	97.09	96.40	97.60	95.64	99.64	103.94	100.96	97.64	97.87	95.72
2015	99.51	99.42	103.20	99.09	102.27	102.64	101.18	99.59	100.17	98.17
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	102.46	102.58	99.41	103.08	100.29	102.48	99.22	102.38	104.22	101.47
2018	106.38	106.89	101.56	107.70	101.70	104.87	101.88	105.99	109.82	104.67

Source: See Table 2-8a.

2-13b. Indices of Average Earnings of Employees of Nonagricultural Industries (Continued)

Base: 2016=100

Period	Accommodation and Food Services	Information and Communications	Finance and Insurance	Real Estate	Professional, Scientific and Technical Services	Support Services	Human Health Services	Arts, Entertainment and Recreation	Other Services
1989	41.51	48.07	45.93	70.77	46.14	52.70	38.55	43.87	43.99
1990	47.54	54.42	45.71	79.22	54.91	62.63	44.70	48.58	50.46
1991	52.46	61.37	48.02	91.41	59.09	66.11	49.61	49.52	55.62
1992	56.03	65.71	54.28	93.04	66.08	71.70	54.68	55.57	64.14
1993	58.31	72.00	58.55	98.85	70.71	77.49	56.99	57.37	66.13
1994	62.69	77.09	66.07	98.04	70.41	80.93	60.75	60.11	69.27
1995	68.67	80.66	63.96	94.68	73.43	91.83	63.80	60.06	74.86
1996	68.31	82.47	66.57	94.28	73.80	93.85	68.67	63.91	77.16
1997	72.40	86.84	70.91	94.80	78.05	98.71	72.63	67.61	80.39
1998	73.97	90.66	69.68	97.25	80.45	97.10	74.99	71.31	88.16
1999	77.29	90.42	70.60	103.57	83.91	97.39	78.21	72.03	92.02
2000	80.19	92.63	71.24	101.91	86.18	98.39	81.85	74.94	93.55
2001	79.92	91.66	73.32	98.55	86.50	99.23	83.52	76.96	89.34
2002	79.04	87.44	76.89	95.34	80.91	96.51	82.53	75.74	87.28
2003	76.78	88.99	75.65	94.25	84.02	91.68	85.39	75.14	86.42
2004	76.35	87.70	78.02	92.74	87.36	91.22	84.83	80.56	87.83
2005	77.30	90.60	76.20	90.49	90.15	91.52	85.24	81.20	90.71
2006	76.80	90.24	80.81	89.31	91.66	90.98	84.97	85.01	90.17
2007	78.39	94.07	88.73	88.29	94.18	92.32	86.78	85.32	89.34
2008	82.16	94.14	83.70	94.04	96.00	91.80	89.11	86.72	87.51
2009	83.41	91.35	79.24	90.99	87.59	87.15	88.69	84.85	88.78
2010	85.51	94.86	86.85	98.13	92.40	89.43	88.75	88.77	92.04
2011	91.44	97.85	90.02	102.07	95.87	91.63	91.82	90.26	97.10
2012	92.53	98.84	91.23	96.85	97.38	93.25	92.37	96.27	97.33
2013	93.73	96.75	91.12	98.29	95.41	93.88	91.83	97.96	98.58
2014	97.47	97.99	97.23	104.40	98.34	96.75	93.96	97.31	102.97
2015	100.03	98.30	99.17	102.75	99.48	98.87	98.26	98.27	101.21
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	102.79	102.14	101.14	104.65	102.05	100.90	100.68	101.94	101.08
2018	104.86	103.19	104.40	111.10	104.16	103.56	102.73	105.22	104.39

2-14a. Labor Productivity in Industry

Base: 2016=100

A. Indexes

Period	Industry	Mining & Quarrying	Manufacturing	Food	Textile Mills	Wearing Apparel & Clothing Accessories	Pulp Paper & Paper Products	Printing & Reproduction of Recorded Media	Petroleum & Coal Products	Chemical Materials	Chemical Products
2008	75.98	90.32	74.24	111.20	97.25	118.42	91.27	97.18	94.60	91.44	82.44
2009	76.86	89.56	75.06	109.12	93.02	98.06	86.67	93.13	97.87	99.06	80.54
2010	89.66	112.58	88.89	109.08	103.31	110.38	86.95	97.46	88.15	110.09	93.62
2011	90.70	109.66	90.01	105.91	94.41	98.88	88.72	97.79	83.83	105.14	91.77
2012	90.58	106.60	89.98	101.33	94.34	97.52	87.38	93.04	87.49	100.63	90.77
2013	92.66	105.55	92.20	99.23	99.04	100.77	88.46	91.70	92.27	100.64	95.57
2014	95.93	107.77	95.82	97.99	99.89	103.93	92.01	95.03	92.30	98.99	97.36
2015	94.96	104.00	95.00	97.04	100.72	100.29	93.32	95.01	95.87	97.93	100.74
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	103.25	102.90	103.53	97.56	97.69	92.00	100.17	94.87	94.85	102.43	104.86
2018	105.37	103.55	105.97	95.67	96.12	81.13	101.39	96.27	97.58	99.08	104.75

B. Percentage Change from Previous Year (%)

Period	Industry	Mining & Quarrying	Manufacturing	Food	Textile Mills	Wearing Apparel & Clothing Accessories	Pulp Paper & Paper Products	Printing & Reproduction of Recorded Media	Petroleum & Coal Products	Chemical Materials	Chemical Products
2008	-0.18	-2.21	-0.12	-3.47	-3.19	-15.66	1.07	-0.55	-4.29	-6.61	-4.72
2009	1.16	-0.84	1.10	-1.87	-4.35	-17.19	-5.04	-4.17	3.46	8.33	-2.30
2010	16.65	25.70	18.43	-0.04	11.06	12.56	0.32	4.65	-9.93	11.13	16.24
2011	1.16	-2.59	1.26	-2.91	-8.61	-10.42	2.04	0.34	-4.90	-4.50	-1.98
2012	-0.13	-2.79	-0.03	-4.32	-0.07	-1.38	-1.51	-4.86	4.37	-4.29	-1.09
2013	2.30	-0.98	2.47	-2.07	4.98	3.33	1.24	-1.44	5.46	0.01	5.29
2014	3.53	2.10	3.93	-1.25	0.86	3.14	4.01	3.63	0.03	-1.64	1.87
2015	-1.01	-3.50	-0.86	-0.97	0.83	-3.50	1.42	-0.02	3.87	-1.07	3.47
2016	5.31	-3.85	5.26	3.05	-0.71	-0.29	7.16	5.25	4.31	2.11	-0.73
2017	3.25	2.90	3.53	-2.44	-2.31	-8.00	0.17	-5.13	-5.15	2.43	4.86
2018	2.05	0.63	2.36	-1.94	-1.61	-11.82	1.22	1.48	2.88	-3.27	-0.10

Source: See Table 2-8a.

2-14b. Labor Productivity in Industry (Continued)

Base: 2016=100

A. Indexes

Period	Rubber Products	Plastic Products	Non-metallic Mineral Products	Basic Metals	Fabricated Metal Products	Electronic Parts & Components	Computer, Electronic & Optical Products	Electronic Equipment	Machinery & Equipment	Electricity & Gas Supply	Water Supply & Remediation Services
2008	109.93	88.63	99.04	89.34	93.74	61.18	61.06	92.76	99.94	103.11	97.38
2009	102.63	80.83	92.81	84.80	83.76	66.51	57.80	81.66	86.14	98.68	93.66
2010	116.73	91.19	97.83	97.11	93.04	82.63	80.18	88.64	113.00	102.10	95.95
2011	115.64	94.41	101.07	100.23	99.31	81.45	105.43	85.25	115.20	105.09	99.11
2012	108.07	95.72	97.38	94.81	100.17	85.39	87.23	87.50	100.24	100.24	96.94
2013	104.14	96.06	100.84	99.66	100.17	89.77	90.08	86.39	101.28	101.06	99.02
2014	102.90	99.56	106.04	100.17	101.73	94.37	96.17	88.86	105.58	101.47	99.45
2015	104.80	99.59	103.27	93.82	96.70	92.86	99.27	93.47	103.20	96.79	97.71
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	99.83	100.13	99.15	101.77	99.57	105.19	102.42	97.07	107.03	98.40	100.02
2018	95.06	101.76	102.32	103.08	98.50	108.40	114.35	97.75	112.74	96.52	95.09

B. Percentage Change from Previous Year (%)

Period	Rubber Products	Plastic Products	Non-metallic Mineral Products	Basic Metals	Fabricated Metal Products	Electronic Parts & Components	Computer, Electronic & Optical Products	Electronic Equipment	Machinery & Equipment	Electricity & Gas Supply	Water Supply & Remediation Services
2008	1.98	-5.61	-2.95	-7.91	-3.53	7.60	7.10	-6.72	-6.41	-3.11	-2.01
2009	-6.64	-8.80	-6.29	-5.08	-10.65	8.71	-5.34	-11.97	-13.81	-4.30	-3.82
2010	13.74	12.82	5.41	14.52	11.08	24.24	38.72	8.55	31.18	3.47	2.45
2011	-0.93	3.53	3.31	3.21	6.74	-1.43	31.49	-3.82	1.95	2.93	3.29
2012	-6.55	1.39	-3.65	-5.41	0.87	4.84	-17.26	2.64	-6.43	-4.62	-2.19
2013	-3.64	0.36	3.55	5.12	0.00	5.13	3.27	-1.27	-6.04	0.82	2.15
2014	-1.19	3.64	5.16	0.51	1.56	5.12	6.76	2.86	4.25	0.41	0.43
2015	1.85	0.03	-2.61	-6.34	-4.94	-1.60	3.22	5.19	-2.25	-4.61	-1.75
2016	-4.58	0.41	-3.17	6.59	3.41	7.69	0.74	6.99	-3.10	3.32	2.34
2017	-0.17	0.13	-0.85	1.77	-0.43	5.19	2.42	-2.93	7.03	-1.60	0.02
2018	-4.78	1.63	3.20	1.29	-1.07	3.05	11.65	0.70	5.33	-1.91	-4.93

2-15a. Unit Labor Cost in Industry

Base: 2016=100

A. Indexes

Period	Industry	Mining & Quarrying	Manufacturing	Food	Textile Mills	Wearing Apparel & Clothing Accessories	Pulp Paper & Paper Products	Printing & Reproduction of Recorded Media	Petroleum & Coal Products	Chemical Materials	Chemical Products
2008	110.15	96.60	112.51	81.62	90.27	75.94	99.33	88.20	112.85	98.99	110.38
2009	102.90	94.93	104.65	80.35	96.10	85.29	92.27	89.57	98.26	77.85	105.17
2010	91.14	78.97	91.50	79.92	82.52	78.55	95.72	84.69	114.05	80.01	96.30
2011	94.80	84.91	95.24	84.35	92.95	89.83	102.92	87.74	124.71	87.41	97.31
2012	96.79	84.79	97.30	92.07	92.76	95.85	100.45	92.43	113.04	89.76	108.18
2013	94.98	89.61	95.37	94.55	90.32	85.27	98.78	98.58	107.81	86.24	97.97
2014	94.46	86.74	94.48	95.74	93.28	85.62	97.19	92.48	104.54	90.90	95.20
2015	100.55	96.39	100.44	98.15	93.84	93.52	98.17	97.76	106.16	94.51	96.69
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	99.54	98.36	99.35	106.47	105.91	113.38	99.65	105.74	114.26	101.57	95.30
2018	102.94	102.17	102.56	114.30	110.88	138.90	105.04	108.55	108.19	108.94	101.25

B. Percentage Change from Previous Year (%)

Period	Industry	Mining & Quarrying	Manufacturing	Food	Textile Mills	Wearing Apparel & Clothing Accessories	Pulp Paper & Paper Products	Printing & Reproduction of Recorded Media	Petroleum & Coal Products	Chemical Materials	Chemical Products
2008	1.59	2.92	1.77	6.29	4.23	19.84	0.75	-1.96	2.49	9.04	8.03
2009	-6.58	-1.73	-6.99	-1.56	6.46	12.31	-7.11	1.55	-12.93	-21.36	-4.72
2010	-11.43	-16.81	-12.57	-0.54	-14.13	-7.90	3.74	-5.45	16.07	2.77	-8.43
2011	4.02	7.52	4.09	5.54	12.64	14.36	7.52	3.60	9.35	9.25	1.05
2012	2.10	-0.14	2.16	9.15	-0.20	6.70	-2.40	5.35	-9.36	2.69	11.17
2013	-1.87	5.68	-1.98	2.69	-2.63	-11.04	-1.66	6.65	-4.63	-3.92	-9.44
2014	-0.55	-3.20	-0.93	1.26	3.28	0.41	-3.20	-1.61	-6.19	5.40	-2.83
2015	6.45	11.13	6.31	2.52	0.60	9.23	1.01	5.71	1.55	3.97	1.57
2016	-0.55	3.75	-0.44	1.88	6.56	6.93	1.86	2.29	-5.80	5.81	3.42
2017	-0.46	-1.64	-0.65	6.47	5.91	13.38	-0.35	5.74	14.26	1.57	-4.70
2018	3.42	3.87	3.23	7.35	4.69	22.51	5.41	2.66	-5.31	7.26	6.24

Source: See Table 2-8a.

2-15b. Unit Labor Cost in Industry (Continued)

Base: 2016=100

A. Indexes

Period	Rubber Products	Plastic Products	Non-metallic Mineral Products	Basic Metals	Fabricated Metal Products	Electronic Parts & Components	Computer, Electronic & Optical Products	Electronic Equipment	Machinery & Equipment	Electricity & Gas Supply	Water Supply & Remediation Services
2008	78.56	94.47	89.40	115.93	96.18	124.63	121.50	93.22	91.43	91.47	106.36
2009	81.03	100.17	91.40	104.50	103.10	104.30	123.71	99.52	101.90	103.08	105.09
2010	72.94	91.33	86.79	100.29	92.09	90.58	91.65	94.41	75.54	99.38	108.17
2011	72.94	91.41	87.16	103.61	89.89	98.85	75.19	100.76	78.61	96.86	109.77
2012	81.54	94.55	92.70	99.98	91.83	96.68	94.83	104.78	85.92	95.57	101.07
2013	87.04	93.80	89.47	97.22	92.21	92.95	95.96	103.78	90.34	91.82	106.22
2014	91.21	92.33	86.92	97.14	90.18	93.21	94.58	104.91	85.18	95.96	105.74
2015	93.14	94.40	89.36	106.55	97.43	103.27	97.94	104.23	91.17	103.94	107.60
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	100.20	99.99	103.43	102.63	103.37	97.87	102.08	105.99	94.83	99.32	100.23
2018	110.12	102.09	105.03	104.87	107.76	102.44	98.33	111.22	95.84	101.75	101.76

B. Percentage Change from Previous Year (%)

Period	Rubber Products	Plastic Products	Non-metallic Mineral Products	Basic Metals	Fabricated Metal Products	Electronic Parts & Components	Computer, Electronic & Optical Products	Electronic Equipment	Machinery & Equipment	Electricity & Gas Supply	Water Supply & Remediation Services
2008	-2.70	5.33	4.89	7.62	3.27	-3.88	-2.35	4.81	8.45	-7.07	5.16
2009	3.14	6.03	2.24	-9.86	7.19	-16.31	1.82	6.76	11.45	12.69	-1.19
2010	-9.98	-8.82	-5.04	-4.03	-10.68	-13.15	-25.92	-5.13	-25.87	-3.59	2.93
2011	0.00	0.09	0.43	3.31	-2.39	9.13	-17.96	6.73	4.06	-2.54	1.48
2012	11.79	3.44	6.36	-3.50	2.16	-2.20	26.12	3.99	9.30	-1.33	-7.93
2013	6.75	-0.79	-3.48	-2.76	0.41	-3.86	1.19	-0.95	5.14	-3.92	5.10
2014	4.79	-1.57	-2.85	-0.08	-2.20	0.28	-1.44	1.09	-5.71	4.51	-0.45
2015	2.12	2.24	2.81	9.69	8.04	10.79	3.55	-0.65	7.03	8.32	1.76
2016	7.37	5.93	11.91	-6.15	2.64	-3.17	2.10	-4.06	9.69	-3.79	-7.06
2017	0.20	-0.01	3.43	2.63	3.37	-2.13	2.08	5.99	-5.17	-0.68	0.23
2018	9.90	2.10	1.55	2.18	4.25	4.67	-3.67	4.93	1.07	2.45	1.53

3. NATIONAL INCOME

3-1. Gross Domestic Product and Gross National Income

Period	Gross Domestic Product (GDP)				Gross National Income (GNI)			
	Amount (NT\$ million)		Nominal Growth Rate (%)	Real Growth Rate (%)	Amount (NT\$ million)		Nominal Growth Rate (%)	Real Growth Rate (%)
	at current prices	chained (2011) dollars			at current prices	chained (2011) dollars		
1952	17,275	163,081	40.1	12.0	17,271	174,246	40.2	12.5
1955	30,163	210,886	19.2	7.7	30,160	223,275	19.2	8.7
1960	63,398	303,175	20.7	7.2	63,371	319,871	21.0	7.3
1965	114,771	493,331	10.7	11.9	114,577	538,772	10.5	8.5
1970	231,427	805,982	15.3	11.5	231,015	943,586	15.2	12.8
1975	601,827	1,280,516	7.4	6.2	598,483	1,474,993	6.9	5.9
1980	1,522,625	2,176,864	24.9	8.0	1,520,519	2,493,982	24.6	4.9
1985	2,536,012	3,073,105	4.8	4.8	2,583,166	3,536,894	5.5	4.4
1990	4,480,288	4,793,163	11.1	5.7	4,597,595	5,970,280	11.2	5.9
1995	7,396,650	6,877,169	9.0	6.5	7,507,569	8,466,268	8.9	5.9
1996	8,036,590	7,301,854	8.7	6.2	8,146,092	9,060,843	8.5	7.0
1997	8,717,241	7,748,223	8.5	6.1	8,806,852	9,757,483	8.1	7.7
1998	9,381,141	8,074,502	7.6	4.2	9,449,692	10,319,741	7.3	5.8
1999	9,815,595	8,616,866	4.6	6.7	9,906,113	10,817,030	4.8	4.8
2000	10,351,260	9,170,116	5.5	6.4	10,490,818	11,538,800	5.9	6.7
2001	10,158,209	9,054,580	-1.9	-1.3	10,350,233	11,180,872	-1.3	-3.1
2002	10,680,883	9,559,334	5.2	5.6	10,923,385	11,784,475	5.5	5.4
2003	10,965,866	9,953,235	2.7	4.1	11,294,739	12,226,885	3.4	3.8
2004	11,649,645	10,600,793	6.2	6.5	12,021,744	12,900,914	6.4	5.5
2005	12,092,254	11,174,918	3.8	5.4	12,383,120	13,238,085	3.0	2.6
2006	12,640,803	11,803,335	4.5	5.6	12,952,502	13,669,529	4.6	3.3
2007	13,407,062	12,572,550	6.1	6.5	13,739,828	14,186,226	6.1	3.8
2008	13,150,950	12,661,079	-1.9	0.7	13,465,596	13,489,512	-2.0	-4.9
2009	12,961,656	12,462,729	-1.4	-1.6	13,375,650	13,517,208	-0.7	0.2
2010	14,119,213	13,787,642	8.9	10.6	14,548,852	14,718,522	8.8	8.9
2011	14,312,200	14,312,200	1.4	3.8	14,700,572	14,700,572	1.0	-0.1
2012	14,686,917	14,607,569	2.6	2.1	15,141,108	14,985,094	3.0	1.9
2013	15,230,739	14,929,292	3.7	2.2	15,654,588	15,524,725	3.4	3.6
2014	16,111,867	15,529,606	5.8	4.0	16,582,405	16,349,966	5.9	5.3
2015	16,770,671	15,654,835	4.1	0.8	17,301,397	17,282,691	4.3	5.7
2016	17,176,300	15,891,514	2.4	1.5	17,705,994	17,611,917	2.3	1.9
2017	17,501,181	16,380,812	1.9	3.1	17,965,345	17,896,956	1.5	1.6
2018	17,793,139	16,812,286	1.7	2.6	18,129,011	17,870,724	0.9	-0.2

Sources: National Statistics, R.O.C. online database(<http://statdb.dgbas.gov.tw/pxweb/Dialog/NL.asp>), retrived May 2019.

3-2a. Average Annual Growth Rate of Real GDP

Unit: %

Terminal Year	Initial Year																	
	1951	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1952	12.0																	
1983	9.5	9.0																
1984	9.5	9.5	10.0															
1985	9.4	7.9	7.4	4.8														
1986	9.4	8.8	8.8	8.1	11.5													
1987	9.5	9.6	9.7	9.6	12.1	12.7												
1988	9.5	9.3	9.4	9.2	10.7	10.3	8.0											
1989	9.5	9.2	9.3	9.1	10.2	9.8	8.4	8.7										
1990	9.4	8.8	8.8	8.5	9.3	8.7	7.5	7.2	5.6									
1991	9.3	8.7	8.7	8.5	9.1	8.7	7.7	7.6	7.0	8.4								
1992	9.3	8.7	8.7	8.5	9.0	8.6	7.8	7.8	7.4	8.3	8.3							
1993	9.3	8.5	8.5	8.3	8.7	8.3	7.6	7.6	7.3	7.8	7.5	6.8						
1994	9.2	8.4	8.4	8.2	8.6	8.2	7.6	7.6	7.3	7.7	7.5	7.1	7.5					
1995	9.2	8.3	8.2	8.1	8.4	8.0	7.5	7.4	7.2	7.5	7.3	6.9	7.0	6.5				
1996	9.1	8.1	8.1	7.9	8.2	7.9	7.3	7.2	7.0	7.3	7.1	6.7	6.7	6.3	6.2			
1997	9.0	8.0	7.9	7.8	8.0	7.7	7.2	7.1	6.9	7.1	6.9	6.6	6.6	6.3	6.1	6.1		
1998	8.9	7.8	7.7	7.5	7.7	7.4	6.9	6.8	6.6	6.7	6.5	6.2	6.1	5.7	5.5	5.2	4.2	
1999	8.9	7.7	7.6	7.5	7.6	7.4	6.9	6.8	6.6	6.7	6.5	6.3	6.2	5.9	5.8	5.7	5.5	6.7
2000	8.8	7.6	7.5	7.4	7.6	7.3	6.9	6.8	6.6	6.7	6.5	6.3	6.2	6.0	5.9	5.9	5.8	6.6
2001	8.6	7.1	7.0	6.9	7.0	6.7	6.3	6.1	5.9	6.0	5.7	5.4	5.3	4.9	4.7	4.4	4.0	3.9
2002	8.6	7.1	7.0	6.8	6.9	6.6	6.2	6.1	5.9	5.9	5.7	5.4	5.3	5.0	4.8	4.6	4.3	4.3
2003	8.5	6.9	6.8	6.6	6.7	6.5	6.1	6.0	5.8	5.8	5.6	5.3	5.2	4.9	4.7	4.5	4.3	4.3
2004	8.4	6.9	6.8	6.6	6.7	6.5	6.1	6.0	5.8	5.8	5.6	5.4	5.3	5.1	4.9	4.8	4.6	4.6
2005	8.4	6.8	6.7	6.6	6.7	6.4	6.1	6.0	5.8	5.8	5.6	5.4	5.3	5.1	5.0	4.8	4.7	4.8
2006	8.3	6.8	6.7	6.5	6.6	6.4	6.1	5.9	5.8	5.8	5.6	5.4	5.3	5.2	5.0	4.9	4.8	4.9
2007	8.3	6.8	6.7	6.5	6.6	6.4	6.1	6.0	5.8	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0	5.0
2008	8.1	6.5	6.4	6.3	6.3	6.1	5.8	5.7	5.5	5.5	5.4	5.2	5.1	4.9	4.8	4.7	4.6	4.6
2009	8.0	6.2	6.1	6.0	6.0	5.8	5.5	5.3	5.2	5.2	5.0	4.8	4.7	4.5	4.3	4.2	4.0	4.0
2010	8.0	6.4	6.3	6.1	6.2	6.0	5.7	5.6	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.6
2011	7.9	6.3	6.2	6.0	6.1	5.9	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.5
2012	7.8	6.1	6.0	5.9	5.9	5.7	5.5	5.4	5.2	5.2	5.0	4.9	4.8	4.6	4.5	4.4	4.3	4.3
2013	7.8	6.0	5.9	5.8	5.8	5.6	5.3	5.2	5.1	5.1	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.2
2014	7.7	5.9	5.9	5.7	5.7	5.5	5.3	5.2	5.0	5.0	4.9	4.7	4.6	4.5	4.4	4.3	4.2	4.2
2015	7.6	5.8	5.7	5.6	5.6	5.4	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.0	4.0
2016	7.5	5.7	5.6	5.4	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.8
2017	7.4	5.6	5.5	5.4	5.4	5.2	4.9	4.8	4.7	4.7	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.8
2018	7.3	5.5	5.4	5.3	5.3	5.1	4.9	4.8	4.6	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7

Source: See Table 3-1.

3-2b. Average Annual Growth Rate of Real GDP (Continued)

Unit: %

Terminal Year	Initial Year																		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1952																			
1983																			
1984																			
1985																			
1986																			
1987																			
1988																			
1989																			
1990																			
1991																			
1992																			
1993																			
1994																			
1995																			
1996																			
1997																			
1998																			
1999																			
2000	6.4																		
2001	2.5	-1.3																	
2002	3.5	2.1	5.6																
2003	3.7	2.8	4.8	4.1															
2004	4.2	3.7	5.4	5.3	6.5														
2005	4.4	4.0	5.4	5.3	6.0	5.4													
2006	4.6	4.3	5.4	5.4	5.8	5.5	5.6												
2007	4.8	4.6	5.6	5.6	6.0	5.9	6.1	6.5											
2008	4.4	4.1	4.9	4.8	4.9	4.5	4.2	3.6	0.7										
2009	3.8	3.5	4.1	3.9	3.8	3.3	2.8	1.8	-0.4	-1.6									
2010	4.4	4.2	4.8	4.7	4.8	4.5	4.3	4.0	3.1	4.4	10.6								
2011	4.3	4.1	4.7	4.6	4.6	4.4	4.2	3.9	3.3	4.2	7.2	3.8							
2012	4.1	4.0	4.4	4.3	4.4	4.1	3.9	3.6	3.0	3.6	5.4	2.9	2.1						
2013	4.0	3.8	4.3	4.1	4.1	3.9	3.7	3.4	2.9	3.4	4.6	2.7	2.1	2.2					
2014	4.0	3.8	4.2	4.1	4.1	3.9	3.7	3.5	3.1	3.5	4.5	3.0	2.8	3.1	4.0				
2015	3.8	3.6	4.0	3.9	3.8	3.6	3.4	3.2	2.8	3.1	3.9	2.6	2.3	2.3	2.4	0.8			
2016	3.7	3.5	3.8	3.7	3.7	3.4	3.3	3.0	2.6	2.9	3.5	2.4	2.1	2.1	2.1	1.2	1.5		
2017	3.6	3.5	3.8	3.7	3.6	3.4	3.2	3.0	2.7	2.9	3.5	2.5	2.3	2.3	2.3	1.8	2.3	3.1	
2018	3.6	3.4	3.7	3.6	3.6	3.3	3.2	3.0	2.7	2.9	3.4	2.5	2.3	2.4	2.4	2.0	2.4	2.9	2.6

3-3a. Average Annual Growth Rate of Real GNI

Terminal Year	Initial Year																	
	1951	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1952	12.5																	
1983	9.8	9.5																
1984	9.8	10.4	11.3															
1985	9.6	8.4	7.8	4.4														
1986	9.8	10.3	10.5	10.2	16.2													
1987	9.9	11.1	11.5	11.5	15.3	14.3												
1988	9.9	10.9	11.1	11.1	13.4	12.1	9.9											
1989	9.9	10.6	10.8	10.7	12.4	11.1	9.5	9.2										
1990	9.8	10.0	10.1	9.9	11.0	9.8	8.3	7.5	5.9									
1991	9.8	10.0	10.1	9.9	10.8	9.8	8.7	8.3	7.9	9.9								
1992	9.8	9.8	9.8	9.6	10.4	9.4	8.5	8.1	7.8	8.7	7.5							
1993	9.7	9.5	9.5	9.3	9.9	9.0	8.1	7.8	7.5	8.0	7.0	6.5						
1994	9.6	9.2	9.2	9.0	9.5	8.7	7.9	7.6	7.2	7.6	6.8	6.4	6.4					
1995	9.5	8.9	8.9	8.7	9.1	8.4	7.6	7.3	7.0	7.2	6.6	6.3	6.1	5.9				
1996	9.5	8.8	8.8	8.5	8.9	8.2	7.6	7.3	7.0	7.2	6.7	6.4	6.4	6.5	7.0			
1997	9.4	8.7	8.7	8.5	8.8	8.2	7.6	7.3	7.1	7.3	6.8	6.7	6.7	6.9	7.4	7.7		
1998	9.3	8.5	8.5	8.3	8.6	8.0	7.4	7.2	7.0	7.1	6.7	6.5	6.5	6.6	6.8	6.7	5.8	
1999	9.2	8.3	8.2	8.0	8.3	7.7	7.2	7.0	6.7	6.8	6.4	6.3	6.3	6.2	6.3	6.1	5.3	4.8
2000	9.2	8.2	8.2	8.0	8.2	7.7	7.2	6.9	6.7	6.8	6.5	6.3	6.3	6.3	6.4	6.2	5.7	5.7
2001	8.9	7.6	7.5	7.3	7.5	6.9	6.4	6.1	5.9	5.9	5.5	5.2	5.1	4.9	4.7	4.3	3.5	2.7
2002	8.9	7.5	7.4	7.2	7.3	6.8	6.3	6.1	5.8	5.8	5.5	5.3	5.1	5.0	4.8	4.5	3.8	3.4
2003	8.8	7.3	7.2	7.0	7.1	6.6	6.2	5.9	5.7	5.7	5.3	5.1	5.0	4.8	4.7	4.4	3.8	3.4
2004	8.7	7.2	7.1	6.9	7.0	6.6	6.1	5.9	5.7	5.7	5.3	5.2	5.0	4.9	4.8	4.5	4.1	3.8
2005	8.6	7.0	6.9	6.7	6.8	6.3	5.9	5.7	5.5	5.5	5.1	5.0	4.8	4.7	4.6	4.3	3.9	3.6
2006	8.5	6.9	6.7	6.5	6.6	6.2	5.8	5.6	5.3	5.3	5.0	4.8	4.7	4.6	4.5	4.2	3.8	3.6
2007	8.4	6.7	6.6	6.4	6.5	6.1	5.7	5.5	5.3	5.2	4.9	4.8	4.6	4.5	4.4	4.2	3.8	3.6
2008	8.2	6.3	6.1	5.9	6.0	5.5	5.1	4.9	4.7	4.6	4.3	4.1	4.0	3.8	3.6	3.4	3.0	2.7
2009	8.0	6.0	5.9	5.7	5.7	5.3	4.9	4.7	4.5	4.4	4.1	3.9	3.7	3.6	3.4	3.1	2.8	2.5
2010	8.0	6.1	6.0	5.8	5.9	5.5	5.1	4.9	4.7	4.6	4.3	4.2	4.0	3.9	3.8	3.5	3.2	3.0
2011	7.9	5.9	5.8	5.6	5.6	5.2	4.9	4.7	4.5	4.4	4.1	3.9	3.8	3.6	3.5	3.3	3.0	2.8
2012	7.8	5.8	5.7	5.5	5.5	5.1	4.7	4.5	4.3	4.3	4.0	3.8	3.7	3.6	3.4	3.2	2.9	2.7
2013	7.7	5.7	5.6	5.4	5.4	5.0	4.7	4.5	4.3	4.2	4.0	3.8	3.7	3.6	3.4	3.2	2.9	2.8
2014	7.7	5.7	5.6	5.4	5.4	5.1	4.7	4.5	4.4	4.3	4.0	3.9	3.8	3.6	3.5	3.3	3.1	2.9
2015	7.6	5.7	5.6	5.4	5.4	5.1	4.8	4.6	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.2	3.1
2016	7.6	5.6	5.5	5.3	5.3	5.0	4.7	4.5	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4	3.2	3.0
2017	7.5	5.5	5.3	5.2	5.2	4.9	4.6	4.4	4.2	4.1	3.9	3.8	3.7	3.6	3.5	3.3	3.1	2.9
2018	7.3	5.3	5.2	5.0	5.0	4.7	4.4	4.2	4.1	4.0	3.8	3.6	3.5	3.4	3.3	3.1	2.9	2.8

3-3b. Average Annual Growth Rate of Real GNI (Continued)

Unit: %

Terminal Year	Initial Year																		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1952																			
1983																			
1984																			
1985																			
1986																			
1987																			
1988																			
1989																			
1990																			
1991																			
1992																			
1993																			
1994																			
1995																			
1996																			
1997																			
1998																			
1999																			
2000	6.7																		
2001	1.7	-3.1																	
2002	2.9	1.1	5.4																
2003	3.1	1.9	4.6	3.8															
2004	3.6	2.8	4.9	4.6	5.5														
2005	3.4	2.8	4.3	4.0	4.1	2.6													
2006	3.4	2.9	4.1	3.8	3.8	2.9	3.3												
2007	3.4	3.0	4.0	3.8	3.8	3.2	3.5	3.8											
2008	2.5	2.0	2.7	2.3	2.0	1.1	0.6	-0.7	-4.9										
2009	2.3	1.8	2.4	2.0	1.7	0.9	0.5	-0.4	-2.4	0.2									
2010	2.8	2.5	3.1	2.8	2.7	2.2	2.1	1.9	1.2	4.5	8.9								
2011	2.6	2.2	2.8	2.5	2.3	1.9	1.8	1.5	0.9	2.9	4.3	-0.1							
2012	2.5	2.2	2.7	2.4	2.3	1.9	1.8	1.5	1.1	2.7	3.5	0.9	1.9						
2013	2.6	2.3	2.8	2.5	2.4	2.1	2.0	1.8	1.5	2.9	3.5	1.8	2.8	3.6					
2014	2.8	2.5	3.0	2.8	2.7	2.4	2.4	2.3	2.0	3.3	3.9	2.7	3.6	4.5	5.3				
2015	3.0	2.7	3.2	3.0	2.9	2.7	2.7	2.6	2.5	3.6	4.2	3.3	4.1	4.9	5.5	5.7			
2016	2.9	2.7	3.1	2.9	2.8	2.6	2.6	2.6	2.4	3.4	3.9	3.0	3.7	4.1	4.3	3.8	1.9		
2017	2.8	2.6	3.0	2.8	2.8	2.5	2.5	2.5	2.4	3.2	3.6	2.8	3.3	3.6	3.6	3.1	1.8	1.6	
2018	2.7	2.5	2.8	2.6	2.6	2.4	2.3	2.3	2.1	2.9	3.2	2.5	2.8	3.0	2.9	2.2	1.1	0.7	-0.1

3-4. Per Capita Gross National Income

Period	At Current Prices				Chained (2011) Dollars	
	US\$		NT\$		Amount (NT\$)	Real Growth Rate (%)
	Amount	Nominal Growth Rate (%)	Amount	Nominal Growth Rate (%)		
1952	208	35.1	2,146	35.1	21,651	-16.9
1955	216	14.9	3,363	14.9	24,896	4.8
1960	163	16.4	5,940	16.7	29,983	3.5
1965	229	7.0	9,157	7.2	43,059	5.2
1970	396	11.2	15,841	11.2	64,703	8.8
1975	980	4.9	37,230	5.0	91,755	4.0
1980	2,386	22.3	85,883	22.3	140,867	2.9
1985	3,377	3.4	134,599	4.1	184,294	3.0
1990	8,431	8.0	226,718	10.0	294,408	4.8
1995	13,326	7.9	353,004	8.0	398,082	5.0
1996	13,836	3.8	379,923	7.6	422,586	6.2
1997	14,184	2.5	407,082	7.2	451,023	6.7
1998	12,934	-8.8	432,763	6.3	472,608	4.8
1999	13,947	7.8	450,063	4.0	491,449	4.0
2000	15,142	8.6	472,889	5.1	520,128	5.8
2001	13,703	-9.5	463,282	-2.0	500,462	-3.8
2002	14,062	2.6	486,280	5.0	524,613	4.8
2003	14,544	3.4	500,594	2.9	541,908	3.3
2004	15,879	9.2	530,835	6.0	569,656	5.1
2005	16,930	6.6	544,798	2.6	582,412	2.2
2006	17,446	3.1	567,508	4.2	598,925	2.8
2007	18,256	4.6	599,536	5.6	619,014	3.4
2008	18,564	1.7	585,519	-2.3	586,559	-5.2
2009	17,531	-5.6	579,574	-1.0	585,708	-0.1
2010	19,864	13.3	628,706	8.5	636,038	8.6
2011	21,507	8.3	633,822	0.8	633,822	-0.3
2012	21,967	2.1	650,660	2.7	643,956	1.6
2013	22,526	2.5	670,585	3.1	665,022	3.3
2014	23,330	3.6	708,540	5.7	698,608	5.1
2015	23,109	-1.0	737,393	4.1	736,596	5.4
2016	23,289	0.8	752,936	2.1	748,935	1.7
2017	25,055	7.6	762,681	1.3	759,778	1.4
2018	25,501	1.8	768,959	0.8	757,874	-0.3

Source: See Table 3-1.

3-5. National Income

Period	At Current Prices		Chained (2011) Dollars	
	Amount (NT\$ million)	Nominal Growth Rate (%)	Amount (NT\$ million)	Real Growth Rate (%)
1952	17,119	39.5	177,522	11.7
1955	29,326	18.5	224,004	8.3
1960	60,483	21.0	313,707	6.7
1965	108,626	10.3	522,557	8.1
1970	216,219	15.2	893,653	12.2
1975	538,409	5.9	1,341,538	4.8
1980	1,363,321	24.1	2,255,578	4.1
1985	2,327,221	5.5	3,184,207	3.7
1990	4,183,419	10.2	5,411,735	5.1
1995	6,719,565	8.3	7,515,245	5.5
1996	7,300,416	8.6	8,027,076	6.8
1997	7,907,557	8.3	8,637,376	7.6
1998	8,396,774	6.2	9,071,268	5.0
1999	8,770,083	4.5	9,462,846	4.3
2000	9,269,557	5.7	10,066,441	6.4
2001	9,015,899	-2.7	9,555,920	-5.1
2002	9,504,407	5.4	10,065,102	5.3
2003	9,885,093	4.0	10,495,939	4.3
2004	10,467,622	5.9	11,084,556	5.6
2005	10,732,710	2.5	11,289,173	1.9
2006	11,117,367	3.6	11,601,475	2.8
2007	11,590,959	4.3	12,034,434	3.7
2008	11,161,869	-3.7	11,203,683	-6.9
2009	10,985,329	-1.6	11,182,646	-0.2
2010	12,194,428	11.0	12,343,643	10.4
2011	12,290,671	0.8	12,290,671	-0.4
2012	12,493,108	1.7	12,490,438	1.6
2013	13,115,430	5.0	12,955,284	3.7
2014	14,018,941	6.9	13,793,650	6.5
2015	14,652,714	4.5	14,604,568	5.9
2016	14,996,482	2.4	14,889,532	2.0
2017	15,279,928	1.9	15,154,316	1.8
2018	15,364,288	0.6	15,099,856	-0.4

Source: See Table 3-1.

3-6. Per Capita National Income

Period	At Current Prices				Chained (2011) Dollars	
	US\$		NT\$		Amount (NT\$)	Real Growth Rate (%)
	Amount	Nominal Growth Rate (%)	Amount	Nominal Growth Rate (%)		
1952	207	34.4	2,127	34.5	22,057	7.7
1955	210	14.1	3,270	14.2	24,978	4.4
1960	156	16.4	5,670	16.7	29,409	3.0
1965	217	6.9	8,682	7.0	41,766	4.8
1970	371	11.1	14,827	11.1	61,281	8.2
1975	881	3.9	33,493	4.0	83,454	2.9
1980	2,139	21.7	77,004	21.8	127,401	2.1
1985	3,042	3.4	121,263	4.0	165,917	2.3
1990	7,672	7.1	206,294	9.0	266,865	3.9
1995	11,927	7.2	315,952	7.4	353,365	4.6
1996	12,399	4.0	340,482	7.8	374,372	5.9
1997	12,736	2.7	365,513	7.4	399,248	6.6
1998	11,493	-9.8	384,543	5.2	415,432	4.1
1999	12,347	7.4	398,450	3.6	429,924	3.5
2000	13,379	8.4	417,839	4.9	453,759	5.5
2001	11,936	-10.8	403,556	-3.4	427,728	-5.7
2002	12,236	2.5	423,111	4.9	448,071	4.8
2003	12,729	4.0	438,117	3.6	465,191	3.8
2004	13,826	8.6	462,211	5.5	489,453	5.2
2005	14,673	6.1	472,188	2.2	496,669	1.5
2006	14,974	2.1	487,103	3.2	508,314	2.3
2007	15,401	2.9	505,770	3.8	525,121	3.3
2008	15,388	-0.1	485,347	-4.0	487,165	-7.2
2009	14,398	-6.4	476,000	-1.9	484,550	-0.5
2010	16,650	15.6	526,963	10.7	533,411	10.1
2011	17,982	8.0	529,918	0.6	529,918	-0.7
2012	18,125	0.8	536,868	1.3	536,753	1.3
2013	18,872	4.1	561,817	4.7	554,957	3.4
2014	19,724	4.5	599,007	6.6	589,381	6.2
2015	19,571	-0.8	624,505	4.3	622,453	5.6
2016	19,725	0.8	637,715	2.1	633,167	1.7
2017	21,310	8.0	648,677	1.7	643,345	1.6
2018	21,610	1.4	651,690	0.5	640,365	-0.5

3-7a. Distribution of National Income

Period	2010	2011	2012	2013	2014	2015	2016	2017
I. Amount (NT\$ million)								
National income at market prices	12,194,428	12,290,671	12,493,108	13,115,430	14,018,941	14,652,714	14,996,482	15,279,928
A. Household (1)	9,282,693	9,555,442	9,781,268	9,908,009	10,649,465	10,874,828	11,004,069	11,204,861
1. Compensation of employees	6,166,861	6,465,312	6,615,543	6,724,696	7,069,129	7,343,262	7,516,649	7,758,985
2. Operating surplus, property and entrepreneurial income, net	3,115,832	3,090,130	3,165,725	3,183,313	3,580,336	3,531,566	3,487,420	3,445,876
B. General government	982,345	1,086,864	1,059,721	1,081,257	1,170,895	1,192,156	1,229,508	1,270,324
1. Net taxes on production and imports	728,339	775,113	774,575	819,349	876,923	900,703	956,926	977,477
2. Operating surplus, property and entrepreneurial income, net	254,006	311,751	285,146	261,908	293,972	291,453	272,582	292,847
C. Corporate (2)	1,929,390	1,648,365	1,652,119	2,126,164	2,198,581	2,585,730	2,762,905	2,804,743
1. Operating surplus	3,014,527	2,775,651	2,722,220	3,180,788	3,588,420	3,806,501	3,870,903	3,927,919
2. Property and entrepreneurial income, net	-1,085,137	-1,127,286	-1,070,101	-1,054,624	-1,389,839	-1,220,771	-1,107,998	-1,123,176
Net current transfers	-86,172	-109,102	-78,284	-89,550	-84,436	-107,093	-101,903	-125,234
A. Household (1)	-698,879	-785,988	-676,684	-733,628	-764,661	-790,169	-937,622	-758,181
B. General government	1,118,203	1,250,616	1,142,449	1,172,284	1,292,002	1,365,014	1,539,781	1,370,991
C. Corporate (2)	-505,496	-573,730	-544,049	-528,206	-611,777	-681,938	-704,062	-738,044
National disposable income	12,108,256	12,181,569	12,414,824	13,025,880	13,934,505	14,545,621	14,894,579	15,154,694
A. Household (1)	8,583,814	8,769,454	9,104,584	9,174,381	9,884,804	10,084,659	10,066,447	10,446,680
B. General government	2,100,548	2,337,480	2,202,170	2,253,541	2,462,897	2,557,170	2,769,289	2,641,315
C. Corporate (2)	1,423,894	1,074,635	1,108,070	1,597,958	1,586,804	1,903,792	2,058,843	2,066,699

(1) includes private nonprofit institutions serving households.

(2) includes quasi-corporate enterprises.

Source: See Table 3-1.

3-7b. Distribution of National Income (Continued)

Period	2010	2011	2012	2013	2014	2015	2016	2017
II. Percentage (%)								
National income at market prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
A. Household (1)	76.1	77.7	78.3	75.5	76.0	74.2	73.4	73.3
1. Compensation of employees	50.6	52.6	53.0	51.3	50.4	50.1	50.1	50.8
2. Operating surplus, property and entrepreneurial income, net	25.6	25.1	25.3	24.3	25.5	24.1	23.3	22.6
B. General government	8.1	8.8	8.5	8.2	8.4	8.1	8.2	8.3
1. Net taxes on production and imports	6.0	6.3	6.2	6.2	6.3	6.1	6.4	6.4
2. Operating surplus, property and entrepreneurial income, net	2.1	2.5	2.3	2.0	2.1	2.0	1.8	1.9
C. Corporate (2)	15.8	13.4	13.2	16.2	15.7	17.6	18.4	18.4
1. Operating surplus	24.7	22.6	21.8	24.3	25.6	26.0	25.8	25.7
2. Property and entrepreneurial income, net	-8.9	-9.2	-8.6	-8.0	-9.9	-8.3	-7.4	-7.4
Net current transfers	-0.7	-0.9	-0.6	-0.7	-0.6	-0.7	-0.7	-0.8
A. Household (1)	-5.7	-6.4	-5.4	-5.6	-5.5	-5.4	-6.3	-5.0
B. General government	9.2	10.2	9.1	8.9	9.2	9.3	10.3	9.0
C. Corporate (2)	-4.1	-4.7	-4.4	-4.0	-4.4	-4.7	-4.7	-4.8
National disposable income	99.3	99.1	99.4	99.3	99.4	99.3	99.3	99.2
A. Household (1)	70.4	71.4	72.9	70.0	70.5	68.8	67.1	68.4
B. General government	17.2	19.0	17.6	17.2	17.6	17.5	18.5	17.3
C. Corporate (2)	11.7	8.7	8.9	12.2	11.3	13.0	13.7	13.5

3-8a. Gross Domestic Product by Industry

Period	Total (1)	Agri-culture	Industry				Services					Statistical Discrepancy
			Subtotal	Manu-facturing	Electri-city, Gas & Water	Constru-ction	Subtotal	Trade	Trans-port and Storage	Finance, Insurance & Real Estate	Public Administration & Defence	
I. Amount (NT\$ million at current prices)												
1991	5,023,763	182,509	1,950,369	1,548,505	139,386	215,167	2,890,885	649,116	219,326	334,155	452,952	0
1992	5,614,679	192,912	2,079,148	1,627,451	147,570	247,038	3,306,140	747,227	239,762	392,178	489,592	36,479
1993	6,205,338	214,275	2,257,415	1,738,559	159,966	292,703	3,732,861	830,396	261,145	448,625	529,690	787
1994	6,784,442	225,798	2,372,031	1,806,330	169,760	334,202	4,204,179	928,606	289,164	537,466	562,582	-17,566
1995	7,396,650	243,493	2,495,149	1,896,006	179,109	356,036	4,668,272	1,062,113	315,506	549,197	618,912	-10,264
1996	8,036,590	242,281	2,655,876	2,050,374	185,930	355,365	5,138,433	1,187,058	345,337	607,061	672,409	0
1997	8,717,241	210,757	2,866,305	2,229,043	195,340	372,308	5,661,731	1,314,194	373,585	749,554	708,274	-21,552
1998	9,381,141	219,152	3,034,784	2,383,374	209,056	367,761	6,125,433	1,455,165	401,431	769,323	744,717	1,772
1999	9,815,595	236,760	3,078,511	2,450,419	208,360	344,931	6,512,705	1,586,950	424,944	828,549	781,321	-12,381
2000	10,351,260	205,460	3,246,291	2,658,136	198,419	318,126	6,925,838	1,746,938	414,301	843,945	818,301	-26,329
2001	10,158,209	188,613	2,983,194	2,446,171	198,469	267,961	6,986,402	1,700,819	413,331	826,243	842,828	0
2002	10,680,883	188,449	3,315,848	2,771,186	206,656	261,731	7,149,589	1,745,999	423,083	836,910	855,406	26,997
2003	10,965,866	183,604	3,543,096	3,007,078	204,043	253,848	7,306,236	1,788,640	410,638	813,598	885,235	-67,070
2004	11,649,645	190,759	3,835,768	3,282,788	179,025	288,554	7,692,021	1,945,979	429,646	866,033	918,337	-68,903
2005	12,092,254	195,857	3,919,950	3,372,135	172,560	285,207	8,028,281	2,078,897	417,072	907,964	943,906	-51,834
2006	12,640,803	197,606	4,092,655	3,504,052	158,484	332,804	8,350,542	2,195,126	398,271	901,706	950,927	0
2007	13,407,062	191,886	4,362,723	3,764,569	134,882	353,833	8,680,010	2,309,925	412,001	943,545	947,340	172,443
2008	13,150,950	201,656	4,073,510	3,567,420	39,959	355,400	8,737,654	2,319,485	388,038	912,828	988,665	138,130
2009	12,961,656	215,109	4,034,619	3,422,636	187,971	319,550	8,556,951	2,223,440	363,325	797,576	994,245	154,977
2010	14,119,213	224,882	4,754,052	4,090,594	182,902	367,044	9,095,867	2,367,946	427,866	871,705	1,034,284	44,466
2011	14,312,200	245,783	4,725,408	4,102,225	126,013	383,053	9,341,009	2,443,613	398,441	915,039	1,054,319	0
2012	14,686,917	242,400	4,756,737	4,120,882	134,895	384,523	9,525,363	2,451,902	416,669	932,853	1,076,339	162,417
2013	15,230,739	255,728	5,074,385	4,360,226	202,292	395,912	9,835,454	2,574,104	422,738	972,520	1,062,983	65,172
2014	16,111,867	289,642	5,606,981	4,833,196	242,194	412,918	10,217,854	2,644,209	461,755	1,052,708	1,071,007	-2,610
2015	16,770,671	282,034	5,894,602	5,047,452	307,961	420,130	10,534,792	2,729,062	507,161	1,093,645	1,067,504	59,243
2016	17,176,300	306,601	6,091,008	5,259,217	296,052	409,306	10,742,711	2,763,763	500,178	1,119,611	1,082,437	35,980
2017	17,501,181	310,457	6,235,524	5,444,163	240,782	416,756	11,002,833	2,844,617	533,371	1,172,150	1,084,624	-47,633
2018	17,793,139	286,726	6,292,740	5,498,616	208,894	450,039	11,292,792	2,922,210	522,878	1,217,367	1,107,795	-79,119

(1) Excluding statistical discrepancy.

Source: See Table 3-1.

3-8b. Gross Domestic Product by Industry (Continued)

Period	Total (1)	Agriculture	Industry				Services				
			Subtotal	Manufacturing	Electricity, Gas & Water	Construction	Subtotal	Trade	Transport and Storage	Finance, Insurance & Real Estate	Public Administration & Defence
II. Percentage (%)											
1991	100.0	3.6	38.8	30.8	2.8	4.3	57.5	12.9	4.4	6.7	9.0
1992	100.0	3.5	37.3	29.2	2.6	4.4	59.3	13.4	4.3	7.0	8.8
1993	100.0	3.5	36.4	28.0	2.6	4.7	60.2	13.4	4.2	7.2	8.5
1994	100.0	3.3	34.9	26.6	2.5	4.9	61.8	13.7	4.3	7.9	8.3
1995	100.0	3.3	33.7	25.6	2.4	4.8	63.0	14.3	4.3	7.4	8.4
1996	100.0	3.0	33.0	25.5	2.3	4.4	63.9	14.8	4.3	7.6	8.4
1997	100.0	2.4	32.8	25.5	2.2	4.3	64.8	15.0	4.3	8.6	8.1
1998	100.0	2.3	32.4	25.4	2.2	3.9	65.3	15.5	4.3	8.2	7.9
1999	100.0	2.4	31.3	24.9	2.1	3.5	66.3	16.1	4.3	8.4	7.9
2000	100.0	2.0	31.3	25.6	1.9	3.1	66.7	16.8	4.0	8.1	7.9
2001	100.0	1.9	29.4	24.1	2.0	2.6	68.8	16.7	4.1	8.1	8.3
2002	100.0	1.8	31.1	26.0	1.9	2.5	67.1	16.4	4.0	7.9	8.0
2003	100.0	1.7	32.1	27.3	1.8	2.3	66.2	16.2	3.7	7.4	8.0
2004	100.0	1.6	32.7	28.0	1.5	2.5	65.6	16.6	3.7	7.4	7.8
2005	100.0	1.6	32.3	27.8	1.4	2.3	66.1	17.1	3.4	7.5	7.8
2006	100.0	1.6	32.4	27.7	1.3	2.6	66.1	17.4	3.2	7.1	7.5
2007	100.0	1.4	33.0	28.4	1.0	2.7	65.6	17.5	3.1	7.1	7.2
2008	100.0	1.5	31.3	27.4	0.3	2.7	67.1	17.8	3.0	7.0	7.6
2009	100.0	1.7	31.5	26.7	1.5	2.5	66.8	17.4	2.8	6.2	7.8
2010	100.0	1.6	33.8	29.1	1.3	2.6	64.6	16.8	3.0	6.2	7.3
2011	100.0	1.7	33.0	28.7	0.9	2.7	65.3	17.1	2.8	6.4	7.4
2012	100.0	1.7	32.7	28.4	0.9	2.6	65.6	16.9	2.9	6.4	7.4
2013	100.0	1.7	33.5	28.8	1.3	2.6	64.9	17.0	2.8	6.4	7.0
2014	100.0	1.8	34.8	30.0	1.5	2.6	63.4	16.4	2.9	6.5	6.6
2015	100.0	1.7	35.3	30.2	1.8	2.5	63.0	16.3	3.0	6.5	6.4
2016	100.0	1.8	35.5	30.7	1.7	2.4	62.7	16.1	2.9	6.5	6.3
2017	100.0	1.8	35.5	31.0	1.4	2.4	62.7	16.2	3.0	6.7	6.2
2018	100.0	1.6	35.2	30.8	1.2	2.5	63.2	16.4	2.9	6.8	6.2

3-8c. Gross Domestic Product by Industry (Continued)

Period	GDP	Agri- culture	Industry			Services					Statistical Discrepancy	
			Subtotal	Manu- facturing	Electri- city, Gas & Water	Constru- ction	Subtotal	Trade	Trans- port and Storage	Finance, Insurance & Real Estate		Public Adminis- tration & Defence
I. Amount (NT\$ million, chained (2011) dollars)												
1991	5,193,843	240,510	1,484,153	1,108,898	47,998	324,573	3,503,701	830,351	188,170	365,007	685,302	-21,063
1992	5,624,580	234,699	1,568,870	1,161,902	54,287	352,387	3,835,275	920,390	202,941	411,038	707,146	14,698
1993	6,007,177	242,395	1,648,627	1,206,839	58,768	391,871	4,176,773	990,644	213,006	456,052	741,430	-11,421
1994	6,457,362	231,163	1,761,320	1,288,503	63,908	421,231	4,546,415	1,077,155	225,409	521,743	767,845	-21,741
1995	6,877,169	240,438	1,860,244	1,371,223	68,807	426,378	4,875,503	1,170,947	240,691	512,663	825,012	-27,335
1996	7,301,854	237,281	1,949,826	1,456,896	72,474	418,602	5,240,941	1,263,701	252,073	549,892	875,689	-37,845
1997	7,748,223	233,376	2,067,296	1,563,032	76,562	420,796	5,598,896	1,328,030	262,975	668,583	890,362	-54,489
1998	8,074,502	215,266	2,123,917	1,607,599	82,495	422,982	5,882,755	1,408,640	271,538	670,143	908,628	-39,999
1999	8,616,866	222,622	2,259,476	1,737,651	84,572	418,734	6,309,164	1,516,091	303,336	721,183	932,994	-55,810
2000	9,170,116	226,673	2,419,118	1,903,631	84,593	400,941	6,717,163	1,636,740	323,736	731,918	965,064	-69,959
2001	9,054,580	215,814	2,248,526	1,772,693	81,100	355,043	6,756,094	1,656,152	311,785	705,635	975,334	-8,639
2002	9,559,334	233,119	2,485,515	1,981,324	86,633	366,326	6,965,077	1,710,801	323,734	719,708	972,269	9,280
2003	9,953,235	230,479	2,710,707	2,196,618	89,683	354,582	7,169,383	1,758,130	326,719	729,456	995,319	-52,193
2004	10,600,793	218,682	2,981,987	2,427,539	96,246	380,506	7,540,578	1,874,235	347,257	784,550	1,005,139	-60,723
2005	11,174,918	210,131	3,209,369	2,632,428	100,024	387,444	7,845,845	1,999,600	356,259	820,474	1,019,094	-29,221
2006	11,803,335	236,116	3,432,843	2,832,766	100,680	404,365	8,201,724	2,114,749	368,110	846,706	1,017,749	-10,947
2007	12,572,550	236,067	3,812,927	3,198,856	93,343	408,647	8,580,356	2,239,312	386,355	907,711	1,004,260	-25,498
2008	12,661,079	236,107	3,798,915	3,212,264	92,380	371,359	8,615,420	2,258,083	381,911	875,232	1,013,983	44,495
2009	12,462,729	229,968	3,690,398	3,131,574	116,981	333,637	8,527,167	2,215,668	362,849	809,713	1,022,346	50,827
2010	13,787,642	235,143	4,458,951	3,841,281	122,593	379,281	9,062,353	2,355,418	390,230	877,986	1,054,022	36,210
2011	14,312,200	245,783	4,725,407	4,102,224	126,013	383,053	9,341,010	2,443,612	398,441	915,040	1,054,319	0
2012	14,607,569	237,912	4,880,960	4,254,944	128,143	377,743	9,459,989	2,470,401	405,716	924,995	1,061,653	28,708
2013	14,929,292	241,118	4,962,378	4,327,147	132,140	381,257	9,676,367	2,510,246	436,707	962,000	1,054,799	48,819
2014	15,529,606	244,847	5,321,104	4,680,518	134,608	384,152	9,990,909	2,616,354	440,446	1,035,344	1,052,245	-28,375
2015	15,654,835	224,229	5,292,173	4,668,067	127,388	380,788	10,114,451	2,625,462	437,979	1,074,561	1,052,753	27,846
2016	15,891,514	201,560	5,439,776	4,811,009	133,159	375,089	10,250,324	2,650,702	450,775	1,099,825	1,052,039	5,118
2017	16,380,812	218,382	5,689,541	5,067,205	132,657	372,957	10,510,436	2,750,876	477,243	1,155,852	1,061,749	-41,170
2018	16,812,286	223,339	5,879,375	5,240,878	134,556	385,315	10,780,923	2,844,942	499,987	1,195,407	1,071,543	-75,960

Note: The chained-dollar estimates are not additive.

3-8d. Gross Domestic Product by Industry (Continued)

Period	GDP	Agriculture	Industry				Services				
			Subtotal	Manufacturing	Electricity, Gas & Water	Construction	Subtotal	Trade	Transport and Storage	Finance, Insurance & Real Estate	Public Administration & Defence
II. Annual Real Growth Rate (%)											
1992	8.3	-2.4	5.7	4.8	13.1	8.6	9.5	10.8	7.9	12.6	3.2
1993	6.8	3.3	5.1	3.9	8.3	11.2	8.9	7.6	5.0	11.0	4.8
1994	7.5	-4.6	6.8	6.8	8.7	7.5	8.8	8.7	5.8	14.4	3.6
1995	6.5	4.0	5.6	6.4	7.7	1.2	7.2	8.7	6.8	-1.7	7.4
1996	6.2	-1.3	4.8	6.2	5.3	-1.8	7.5	7.9	4.7	7.3	6.1
1997	6.1	-1.6	6.0	7.3	5.6	0.5	6.8	5.1	4.3	21.6	1.7
1998	4.2	-7.8	2.7	2.9	7.7	0.5	5.1	6.1	3.3	0.2	2.1
1999	6.7	3.4	6.4	8.1	2.5	-1.0	7.2	7.6	11.7	7.6	2.7
2000	6.4	1.8	7.1	9.6	0.0	-4.2	6.5	8.0	6.7	1.5	3.4
2001	-1.3	-4.8	-7.1	-6.9	-4.1	-11.4	0.6	1.2	-3.7	-3.6	1.1
2002	5.6	8.0	10.5	11.8	6.8	3.2	3.1	3.3	3.8	2.0	-0.3
2003	4.1	-1.1	9.1	10.9	3.5	-3.2	2.9	2.8	0.9	1.4	2.4
2004	6.5	-5.1	10.0	10.5	7.3	7.3	5.2	6.6	6.3	7.6	1.0
2005	5.4	-3.9	7.6	8.4	3.9	1.8	4.0	6.7	2.6	4.6	1.4
2006	5.6	12.4	7.0	7.6	0.7	4.4	4.5	5.8	3.3	3.2	-0.1
2007	6.5	0.0	11.1	12.9	-7.3	1.1	4.6	5.9	5.0	7.2	-1.3
2008	0.7	0.0	-0.4	0.4	-1.0	-9.1	0.4	0.8	-1.2	-3.6	1.0
2009	-1.6	-2.6	-2.9	-2.5	26.6	-10.2	-1.0	-1.9	-5.0	-7.5	0.8
2010	10.6	2.3	20.8	22.7	4.8	13.7	6.3	6.3	7.5	8.4	3.1
2011	3.8	4.5	6.0	6.8	2.8	1.0	3.1	3.7	2.1	4.2	0.0
2012	2.1	-3.2	3.3	3.7	1.7	-1.4	1.3	1.1	1.8	1.1	0.7
2013	2.2	1.3	1.7	1.7	3.1	0.9	2.3	1.6	7.6	4.0	-0.6
2014	4.0	1.5	7.2	8.2	1.9	0.8	3.3	4.2	0.9	7.6	-0.2
2015	0.8	-8.4	-0.5	-0.3	-5.4	-0.9	1.2	0.3	-0.6	3.8	0.0
2016	1.5	-10.1	2.8	3.1	4.5	-1.5	1.3	1.0	2.9	2.4	-0.1
2017	3.1	8.3	4.6	5.3	-0.4	-0.6	2.5	3.8	5.9	5.1	0.9
2018	2.6	2.3	3.3	3.4	1.4	3.3	2.6	3.4	4.8	3.4	0.9

3-9a. Expenditure on Gross National Income

Period	Gross National Income	Net Factor Income from the Rest of the World	National Consumption			Gross Capital Formation			Domestic Demand	Exports of Goods & Services	Less: Imports of Goods & Services
			Subtotal	Private	Government	Subtotal	Gross Fixed Capital Formation	Increase in Inventory			
I. Amount (NT\$ million at current prices)											
1952	17,271	-4	15,646	12,795	2,851	2,682	1,979	703	18,328	1,386	2,439
1955	30,160	-3	27,359	21,773	5,586	4,099	3,502	597	31,458	2,475	3,770
1960	63,371	-27	54,974	42,795	12,179	13,126	10,869	2,257	68,100	7,192	11,894
1965	114,577	-194	91,270	71,942	19,328	26,874	20,418	6,456	118,144	21,771	25,144
1970	231,015	-412	170,408	129,347	41,061	61,133	52,301	8,832	231,541	68,746	68,860
1975	598,483	-3,344	433,833	341,153	92,680	187,300	191,565	-4,265	621,133	233,701	253,007
1980	1,520,519	-2,106	1,020,568	777,424	243,144	519,811	472,346	47,465	1,540,379	783,272	801,026
1985	2,583,166	47,154	1,679,161	1,258,801	420,360	529,447	529,967	-520	2,208,608	1,345,492	1,018,088
1990	4,597,595	117,307	3,151,488	2,341,495	809,993	1,142,092	1,111,414	30,678	4,293,580	2,020,064	1,833,356
1995	7,507,569	110,919	5,222,163	3,969,187	1,252,976	2,072,405	2,027,897	44,508	7,294,568	3,412,791	3,310,709
1996	8,146,092	109,502	5,747,027	4,372,154	1,374,873	2,043,855	2,033,277	10,578	7,790,882	3,692,793	3,446,367
1997	8,806,852	89,611	6,239,780	4,743,108	1,496,672	2,317,181	2,231,680	85,501	8,556,961	4,060,689	3,900,409
1998	9,449,692	68,551	6,721,983	5,116,403	1,605,580	2,571,393	2,482,879	88,514	9,293,376	4,352,253	4,264,488
1999	9,906,113	90,518	6,988,007	5,394,295	1,593,712	2,598,205	2,540,878	57,327	9,586,212	4,554,722	4,325,339
2000	10,490,818	139,558	7,330,167	5,706,268	1,623,899	2,815,099	2,722,595	92,504	10,145,266	5,373,337	5,167,343
2001	10,350,233	192,024	7,453,287	5,756,645	1,696,642	2,175,715	2,238,591	-62,876	9,629,002	4,942,685	4,413,478
2002	10,923,385	242,502	7,703,736	5,953,938	1,749,798	2,241,850	2,285,679	-43,829	9,945,586	5,427,124	4,691,827
2003	11,294,739	328,873	7,852,356	6,100,329	1,752,027	2,377,923	2,365,673	12,250	10,230,279	5,924,171	5,188,584
2004	12,021,744	372,099	8,293,622	6,490,958	1,802,664	2,954,277	2,853,709	100,568	11,247,899	6,982,430	6,580,684
2005	13,465,720	290,866	8,629,892	6,784,327	1,845,565	2,957,842	2,924,286	33,556	11,587,734	7,329,793	6,825,273
2006	12,952,502	311,699	8,801,811	6,947,802	1,854,009	3,110,995	3,063,352	47,643	11,912,806	8,316,084	7,588,087
2007	13,739,828	332,766	9,119,991	7,197,916	1,922,075	3,221,482	3,205,121	16,361	12,341,473	9,349,494	8,283,905
2008	13,465,596	314,646	9,251,350	7,260,169	1,991,181	3,217,027	3,045,433	171,594	12,468,377	9,230,775	8,548,202
2009	13,375,650	413,994	9,231,232	7,175,511	2,055,721	2,580,249	2,761,737	-181,488	11,811,481	7,827,336	6,677,161
2010	14,548,852	429,639	9,596,399	7,497,682	2,098,717	3,524,645	3,335,881	188,764	13,121,044	10,013,538	9,015,369
2011	14,700,572	388,372	9,966,571	7,798,976	2,167,595	3,382,866	3,346,945	35,921	13,349,437	10,419,700	9,456,937
2012	15,141,108	454,191	10,289,387	8,035,105	2,254,282	3,304,160	3,282,131	22,029	13,593,547	10,345,375	9,252,005
2013	15,654,588	423,849	10,491,022	8,248,385	2,242,637	3,360,196	3,378,731	-18,535	13,851,218	10,579,884	9,200,363
2014	16,582,405	470,538	10,931,495	8,588,741	2,342,754	3,521,157	3,493,834	27,323	14,452,652	11,254,123	9,594,908
2015	17,301,397	530,726	11,101,939	8,755,829	2,346,110	3,513,112	3,493,267	19,845	14,615,051	10,775,522	8,619,902
2016	17,705,994	529,694	11,497,392	9,034,473	2,462,919	3,562,189	3,589,298	-27,109	15,059,581	10,770,722	8,654,003
2017	17,965,345	464,164	11,726,640	9,265,072	2,461,568	3,543,176	3,584,358	-41,182	15,269,816	11,356,769	9,125,404
2018	18,129,011	335,872	12,130,181	9,543,914	2,586,267	3,793,979	3,743,897	50,082	15,924,160	11,882,549	10,013,570

Source: See Table 3-1.

3-9b. Expenditure on Gross National Income (Continued)

Period	Gross National Income	Net Factor Income from the Rest of the World	National Consumption			Gross Capital Formation			Domestic Demand	Exports of Goods & Services	Less: Imports of Goods & Services
			Subtotal	Private	Government	Subtotal	Gross Fixed Capital Formation	Increase in Inventory			
II. Percentage (%)											
1952	100.0	0.0	90.6	74.1	16.5	15.5	11.5	4.1	106.1	8.0	14.1
1955	100.0	0.0	90.7	72.2	18.5	13.6	11.6	2.0	104.3	8.2	12.5
1960	100.0	0.0	86.7	67.5	19.2	20.7	17.2	3.6	107.5	11.3	18.8
1965	100.0	-0.2	79.7	62.8	16.9	23.5	17.8	5.6	103.1	19.0	21.9
1970	100.0	-0.2	73.8	56.0	17.8	26.5	22.6	3.8	100.2	29.8	29.8
1975	100.0	-0.6	72.5	57.0	15.5	31.3	32.0	-0.7	103.8	39.0	42.3
1980	100.0	-0.1	67.1	51.1	16.0	34.2	31.1	3.1	101.3	51.5	52.7
1985	100.0	1.8	65.0	48.7	16.3	20.5	20.5	0.0	85.5	52.1	39.4
1990	100.0	2.6	68.5	50.9	17.6	24.8	24.2	0.7	93.4	43.9	39.9
1995	100.0	1.5	69.6	52.9	16.7	27.6	27.0	0.6	97.2	45.5	44.1
1996	100.0	1.3	70.5	53.7	16.9	25.1	25.0	0.1	95.6	45.3	42.3
1997	100.0	1.0	70.9	53.9	17.0	26.3	25.3	1.0	97.2	46.1	44.3
1998	100.0	0.7	71.1	54.1	17.0	27.2	26.3	0.9	98.3	46.1	45.1
1999	100.0	0.9	70.5	54.5	16.1	26.2	25.6	0.6	96.8	46.0	43.7
2000	100.0	1.3	69.9	54.4	15.5	26.8	26.0	0.9	96.7	51.2	49.3
2001	100.0	1.9	72.0	55.6	16.4	21.0	21.6	-0.6	93.0	47.8	42.6
2002	100.0	2.2	70.5	54.5	16.0	20.5	20.9	-0.4	91.0	49.7	43.0
2003	100.0	2.9	69.5	54.0	15.5	21.1	20.9	0.1	90.6	52.5	45.9
2004	100.0	3.1	69.0	54.0	15.0	24.6	23.7	0.8	93.6	58.1	54.7
2005	100.0	2.3	69.7	54.8	14.9	23.9	23.6	0.3	93.6	59.2	55.1
2006	100.0	2.4	68.0	53.6	14.3	24.0	23.7	0.4	92.0	64.2	58.6
2007	100.0	2.4	66.4	52.4	14.0	23.4	23.3	0.1	89.8	68.0	60.3
2008	100.0	2.3	68.7	53.9	14.8	23.9	22.6	1.3	92.6	68.6	63.5
2009	100.0	3.1	69.0	53.6	15.4	19.3	20.6	-1.4	88.3	58.5	49.9
2010	100.0	3.0	66.0	51.5	14.4	24.2	22.9	1.3	90.2	68.8	62.0
2011	100.0	2.6	67.8	53.1	14.7	23.0	22.8	0.2	90.8	70.9	64.3
2012	100.0	3.0	68.0	53.1	14.9	21.8	21.7	0.1	89.8	68.3	61.1
2013	100.0	2.7	67.0	52.7	14.3	21.5	21.6	-0.1	88.5	67.6	58.8
2014	100.0	2.8	65.9	51.8	14.1	21.2	21.1	0.2	87.2	67.9	57.9
2015	100.0	3.1	64.2	50.6	13.6	20.3	20.2	0.1	84.5	62.3	49.8
2016	100.0	3.0	64.9	51.0	13.9	20.1	20.3	-0.2	85.1	60.8	48.9
2017	100.0	2.6	65.3	51.6	13.7	19.7	20.0	-0.2	85.0	63.2	50.8
2018	100.0	1.9	66.9	52.6	14.3	20.9	20.7	0.3	87.8	65.5	55.2

3-9c. Expenditure on Gross National Income (Continued)

Period	Gross National Income	Net Factor Income from the Rest of the World	National Consumption			Gross Capital Formation			Domestic Demand	Exports of Goods & Services	Less: Imports of Goods & Services
			Subtotal	Private	Government	Subtotal	Gross Fixed Capital Formation	Increase in Inventory			
I. Amount (NT\$ million, chained (2011) dollars)											
1952	174,246	-111	197,266	128,673	68,593	21,402	17,133	4,269	218,668	9,912	37,433
1955	223,275	-53	257,402	164,205	93,197	22,992	20,288	2,704	280,394	11,388	36,355
1960	319,871	-194	356,886	213,377	143,509	50,309	43,465	6,844	407,195	20,628	61,804
1965	538,772	-1,241	545,985	356,253	189,732	97,599	81,493	16,106	643,584	56,182	120,505
1970	943,586	-2,109	847,958	560,015	287,943	230,247	208,140	22,107	1,078,205	160,036	307,897
1975	1,474,993	-9,697	1,230,795	876,097	354,698	454,866	460,873	-6,007	1,685,661	340,455	603,339
1980	2,493,982	-3,354	1,900,982	1,332,933	568,409	785,687	742,530	43,157	2,686,669	757,167	1,136,382
1985	3,536,894	75,285	2,583,511	1,810,804	772,707	812,566	814,977	-2,411	3,396,077	1,201,174	1,330,193
1990	5,970,280	168,363	4,336,331	3,091,545	1,244,786	1,607,525	1,562,934	44,591	5,943,856	2,080,006	2,929,696
1995	8,466,268	132,280	6,082,632	4,465,470	1,617,162	2,553,788	2,492,883	60,905	8,636,420	3,194,781	4,545,794
1996	9,060,843	126,948	6,513,395	4,782,803	1,730,592	2,596,237	2,573,649	22,588	9,109,632	3,419,531	4,805,050
1997	9,757,483	102,689	6,952,672	5,122,902	1,829,770	2,928,209	2,829,582	98,627	9,880,881	3,698,818	5,433,849
1998	10,319,741	77,031	7,381,632	5,465,078	1,916,554	3,152,221	3,049,076	103,145	10,533,853	3,788,724	5,855,150
1999	10,817,030	101,574	7,619,763	5,751,968	1,867,795	3,224,676	3,144,370	80,306	10,844,439	4,251,131	6,095,050
2000	11,538,800	154,869	7,932,871	6,053,427	1,879,444	3,510,035	3,411,605	98,430	11,442,906	5,016,203	6,999,951
2001	11,180,872	213,487	8,065,549	6,140,238	1,925,311	2,741,076	2,817,001	-75,925	10,806,625	4,591,478	5,980,166
2002	11,784,475	270,147	8,313,590	6,354,159	1,959,431	2,821,196	2,867,682	-46,186	11,135,086	5,125,966	6,362,060
2003	12,226,885	367,375	8,482,638	6,536,144	1,946,494	2,914,359	2,901,649	12,710	11,396,997	5,639,604	6,843,131
2004	12,900,914	409,490	8,848,259	6,879,689	1,968,570	3,392,108	3,305,326	86,782	12,240,367	6,526,899	8,050,064
2005	13,238,085	313,759	9,087,828	7,111,080	1,976,748	3,443,692	3,410,015	33,677	12,531,520	7,024,327	8,283,234
2006	13,669,529	333,420	9,202,944	7,238,671	1,964,273	3,504,763	3,461,994	42,769	12,707,707	7,823,471	8,669,515
2007	14,186,226	350,310	9,421,422	7,413,894	2,007,528	3,518,560	3,501,589	16,971	12,939,982	8,640,956	8,920,001
2008	13,489,512	320,632	9,326,776	7,288,331	2,038,445	3,283,620	3,111,807	166,513	12,605,096	8,688,819	8,551,194
2009	13,517,208	423,658	9,393,434	7,289,398	2,104,036	2,644,464	2,837,726	-193,262	12,037,898	7,957,049	7,420,843
2010	14,718,522	435,627	9,689,409	7,563,285	2,126,124	3,582,217	3,385,791	196,426	13,271,626	9,999,951	9,500,588
2011	14,700,572	388,372	9,966,571	7,798,976	2,167,595	3,382,866	3,346,945	35,921	13,349,437	10,419,700	9,456,937
2012	14,985,094	445,579	10,155,354	7,940,907	2,214,447	3,278,497	3,259,477	19,020	13,433,851	10,462,131	9,288,413
2013	15,524,725	411,781	10,323,488	8,126,434	2,197,054	3,383,725	3,432,126	-48,401	13,707,132	10,828,138	9,604,432
2014	16,349,966	452,196	10,683,152	8,405,582	2,277,570	3,532,996	3,502,539	30,457	14,216,159	11,462,929	10,148,970
2015	17,282,691	511,451	10,902,117	8,626,919	2,275,198	3,585,767	3,560,091	25,676	14,487,516	11,420,203	10,259,394
2016	17,611,917	504,117	11,187,997	8,830,947	2,357,050	3,608,549	3,644,042	-35,493	14,808,868	11,639,789	10,575,831
2017	17,896,956	449,887	11,397,855	9,055,548	2,342,307	3,580,430	3,639,825	-59,395	14,945,409	12,504,304	11,134,489
2018	17,870,724	312,335	11,664,124	9,236,074	2,428,050	3,795,433	3,729,729	65,704	15,459,557	12,973,361	11,689,189

Note: The chained-dollar estimates are not additive.

3-9d. Expenditure on Gross National Income (Continued)

Period	Gross National Income	Net Factor Income from the Rest of the World	National Consumption			Gross Capital Formation			Domestic Demand	Exports of Goods & Services	Less: Imports of Goods & Services
			Subtotal	Private	Government	Subtotal	Gross Fixed Capital Formation	Increase in Inventory			
II. Annual Real Growth Rate (%)											
1952	12.5	-	8.9	16.9	15.4	15.3	34.4	-	9.5	1.6	33.5
1955	8.7	-	7.7	6.3	7.7	18.9	-12.5	-	8.6	28.1	-14.1
1960	7.3	-	8.7	5.4	1.5	5.8	19.3	-	8.4	13.7	9.7
1965	8.5	-	6.4	11.8	4.9	12.8	29.3	-	7.4	25.8	23.5
1970	12.8	-	8.9	10.2	7.7	20.7	18.3	-	11.4	29.9	22.8
1975	5.9	-	10.2	4.9	13.8	11.4	19.3	-	10.5	-0.9	-6.1
1980	4.9	-	6.6	5.0	10.6	11.0	15.5	-	7.8	8.9	7.6
1985	4.4	-	5.8	5.3	6.9	-8.6	-3.7	-	1.9	2.2	-4.3
1990	5.9	-	10.3	9.1	13.4	7.2	8.8	-	9.5	0.7	5.1
1995	5.9	-	6.2	3.8	13.5	6.6	7.4	-	6.3	12.7	10.0
1996	7.0	-	7.1	7.1	7.0	1.7	3.2	-	5.5	7.0	5.7
1997	7.7	-	6.7	7.1	5.7	12.8	9.9	-	8.5	8.2	13.1
1998	5.8	-	6.2	6.7	4.7	7.7	7.8	-	6.6	2.4	7.8
1999	4.8	-	3.2	5.3	-2.5	2.3	3.1	-	2.9	12.2	4.1
2000	6.7	-	4.1	5.2	0.6	8.8	8.5	-	5.5	18.0	14.8
2001	-3.1	-	1.7	1.4	2.4	-21.9	-17.4	-	-5.6	-8.5	-14.6
2002	5.4	-	3.1	3.5	1.8	2.9	1.8	-	3.0	11.6	6.4
2003	3.8	-	2.0	2.9	-0.7	3.3	1.2	-	2.4	10.0	7.6
2004	5.5	-	4.3	5.3	1.1	16.4	13.9	-	7.4	15.7	17.6
2005	2.6	-	2.7	3.4	0.4	1.5	3.2	-	2.4	7.6	2.9
2006	3.3	-	1.3	1.8	-0.6	1.8	1.5	-	1.4	11.4	4.7
2007	3.8	-	2.4	2.4	2.2	0.4	1.1	-	1.8	10.4	2.9
2008	-4.9	-	-1.0	-1.7	1.5	-6.8	-11.1	-	-2.6	0.6	-4.1
2009	0.2	-	0.7	0.0	3.2	-19.3	-8.8	-	-4.5	-8.4	-13.2
2010	8.9	-	3.2	3.8	1.0	35.5	19.3	-	10.2	25.7	28.0
2011	-0.1	-	2.9	3.1	2.0	-5.6	-1.1	-	0.6	4.2	-0.5
2012	1.9	-	1.9	1.8	2.2	-3.1	-2.6	-	0.6	0.4	-1.8
2013	3.6	-	1.7	2.3	-0.8	3.2	5.3	-	2.0	3.5	3.4
2014	5.3	-	3.5	3.4	3.7	4.4	2.1	-	3.7	5.9	5.7
2015	5.7	-	2.0	2.6	-0.1	1.5	1.6	-	1.9	-0.4	1.1
2016	1.9	-	2.6	2.4	3.6	0.6	2.4	-	2.2	1.9	3.1
2017	1.6	-	1.9	2.5	-0.6	-0.8	-0.1	-	0.9	7.4	5.3
2018	-0.1	-	2.3	2.0	3.7	6.0	2.5	-	3.4	3.8	5.0

3-10a. Sources of Economic Growth: Expenditure Side
(Contribution to Economic Growth Rate)

Unit: %

Period	Economic Growth Rate (Increase in Real GDP)	Domestic Demand					Net Exports		
		Subtotal	Private Consumption	Government Consumption	Gross Fixed Capital Formation	Increase in Inventory	Subtotal	Exports of Goods & Services	Less: Imports of Goods & Services
1981	100.00	38.40	37.13	7.17	22.08	-27.99	61.60	66.10	4.50
1985	100.00	35.76	54.05	23.08	-17.26	-24.32	64.24	24.74	-39.50
1986	100.00	50.87	32.81	5.73	23.18	-10.76	49.05	128.91	79.86
1987	100.00	92.44	41.57	12.76	31.18	6.93	7.56	89.84	82.20
1988	100.00	178.18	80.80	15.09	39.65	42.52	-78.18	45.39	123.57
1989	100.00	107.77	79.66	24.69	36.34	-32.91	-7.77	28.69	36.46
1990	100.00	132.04	83.54	39.47	38.41	-29.38	-32.21	6.02	38.23
1991	100.00	103.23	48.33	15.91	32.54	6.34	-3.23	70.69	73.92
1992	100.00	111.10	62.48	6.03	34.26	8.20	-10.98	37.76	48.73
1993	100.00	100.15	63.53	7.94	38.24	-9.56	0.00	42.50	42.50
1994	100.00	92.92	61.68	1.34	34.31	-4.41	7.08	30.97	23.90
1995	100.00	80.00	31.54	33.08	30.92	-15.54	20.00	82.46	62.62
1996	100.00	88.67	61.65	19.26	14.40	-6.63	11.17	52.59	41.26
1997	100.00	130.44	63.34	16.04	41.24	9.98	-30.44	61.37	91.82
1998	100.00	155.58	86.22	19.24	47.27	2.61	-55.58	26.84	82.42
1999	100.00	43.45	42.56	-6.55	12.35	-5.06	56.55	84.23	27.68
2000	100.00	71.81	44.86	1.56	34.27	-8.88	28.19	130.06	101.87
2001 (1)	...	...	...	...	...	...	...	...	...
2002	100.00	48.29	35.37	5.39	7.18	0.36	51.89	101.62	49.73
2003	100.00	57.04	38.83	-2.67	6.07	14.81	42.96	123.54	80.58
2004	100.00	97.54	44.85	2.76	46.08	3.84	2.30	130.57	128.26
2005	100.00	45.76	34.50	1.11	14.39	-4.24	54.06	84.32	30.26
2006	100.00	24.20	17.97	-1.78	6.58	1.42	75.80	122.78	46.80
2007	100.00	21.17	20.40	4.91	4.29	-8.44	78.83	105.37	26.53
2008	100.00	-320.00	-130.00	31.43	-380.00	158.57	420.00	55.71	-364.29
2009 (1)	...	...	...	...	...	...	...	...	...
2010	100.00	90.03	19.57	1.60	38.76	30.10	9.97	145.81	135.84
2011	100.00	13.95	43.42	7.63	-7.11	-30.00	86.05	78.42	-7.63
2012	100.00	28.64	48.06	16.02	-29.61	-5.83	71.84	14.56	-57.28
2013	100.00	85.45	58.18	-5.45	53.64	-20.91	14.55	111.82	97.27
2014	100.00	84.08	46.27	13.43	11.44	12.94	16.17	101.24	85.07
2015	100.00	211.11	172.84	-2.47	44.44	-3.70	- 112.35	- 32.10	80.25
2016	100.00	122.52	81.46	33.11	32.45	-24.50	- 23.18	82.12	105.30
2017	100.00	35.39	43.51	-2.92	-0.65	-4.55	64.94	151.30	86.36
2018	100.00	106.46	40.30	19.39	19.39	27.38	- 6.46	92.40	98.86

(1) Because the 2001 and 2009 economic growth rates were negative, no meaningful value can be attributed to the contribution of these sources of growth.

Source: See Table 3-1.

3-10b. Sources of Economic Growth: Expenditure Side (Continued)

(Contribution to Economic Growth Rate)

Unit: percentage point

Period	Economic Growth Rate (Increase in Real GDP)	Domestic Demand					Net Exports			
		Subtotal	Private Consumption	Government Consumption	Gross Fixed Capital Formation	Increase in Inventory	Subtotal	Exports of Goods & Services	Less: Imports of Goods & Services	
1981	7.11	2.73	2.64	0.51	1.57	-1.99	4.38	4.70	0.32	
1985	4.81	1.72	2.60	1.11	-0.83	-1.17	3.09	1.19	-1.90	
1986	11.52	5.86	3.78	0.66	2.67	-1.24	5.65	14.85	9.20	
1987	12.70	11.74	5.28	1.62	3.96	0.88	0.96	11.41	10.44	
1988	8.02	14.29	6.48	1.21	3.18	3.41	-6.27	3.64	9.91	
1989	8.75	9.43	6.97	2.16	3.18	-2.88	-0.68	2.51	3.19	
1990	5.65	7.46	4.72	2.23	2.17	-1.66	-1.82	0.34	2.16	
1991	8.36	8.63	4.04	1.33	2.72	0.53	-0.27	5.91	6.18	
1992	8.29	9.21	5.18	0.50	2.84	0.68	-0.91	3.13	4.04	
1993	6.80	6.81	4.32	0.54	2.60	-0.65	0.00	2.89	2.89	
1994	7.49	6.96	4.62	0.10	2.57	-0.33	0.53	2.32	1.79	
1995	6.50	5.20	2.05	2.15	2.01	-1.01	1.30	5.36	4.07	
1996	6.18	5.48	3.81	1.19	0.89	-0.41	0.69	3.25	2.55	
1997	6.11	7.97	3.87	0.98	2.52	0.61	-1.86	3.75	5.61	
1998	4.21	6.55	3.63	0.81	1.99	0.11	-2.34	1.13	3.47	
1999	6.72	2.92	2.86	-0.44	0.83	-0.34	3.80	5.66	1.86	
2000	6.42	4.61	2.88	0.10	2.20	-0.57	1.81	8.35	6.54	
2001	-1.26	-4.14	0.79	0.38	-4.58	-0.73	2.87	-4.40	-7.27	
2002	5.57	2.69	1.97	0.30	0.40	0.02	2.89	5.66	2.77	
2003	4.12	2.35	1.60	-0.11	0.25	0.61	1.77	5.09	3.32	
2004	6.51	6.35	2.92	0.18	3.00	0.25	0.15	8.50	8.35	
2005	5.42	2.48	1.87	0.06	0.78	-0.23	2.93	4.57	1.64	
2006	5.62	1.36	1.01	-0.10	0.37	0.08	4.27	6.90	2.63	
2007	6.52	1.38	1.33	0.32	0.28	-0.55	5.14	6.87	1.73	
2008	0.70	-2.24	-0.91	0.22	-2.66	1.11	2.94	0.39	-2.55	
2009	-1.57	-4.24	0.01	0.49	-2.04	-2.70	2.68	-5.91	-8.59	
2010	10.63	9.57	2.08	0.17	4.12	3.20	1.06	15.50	14.44	
2011	3.80	0.53	1.65	0.29	-0.27	-1.14	3.27	2.98	-0.29	
2012	2.06	0.59	0.99	0.33	-0.61	-0.12	1.48	0.30	-1.18	
2013	2.20	1.88	1.28	-0.12	1.18	-0.46	0.32	2.46	2.14	
2014	4.02	3.38	1.86	0.54	0.46	0.52	0.65	4.07	3.42	
2015	0.81	1.71	1.40	-0.02	0.36	-0.03	-0.91	-0.26	0.65	
2016	1.51	1.85	1.23	0.50	0.49	-0.37	-0.35	1.24	1.59	
2017	3.08	1.09	1.34	-0.09	-0.02	-0.14	2.00	4.66	2.66	
2018	2.63	2.80	1.06	0.51	0.51	0.72	-0.17	2.43	2.60	

3-11a. Composition of Gross Capital Formation by Owner

Period	Gross Capital Formation				Gross Fixed Capital Formation				Increase in Inventory		
	Total	Private Sector	Public Enterprises	Government	Subtotal	Private Sector	Public Enterprises	Government	Subtotal	Private Sector	Public Enterprises
I. Amount (NT\$ million)											
1989	1,029,656	634,147	188,374	207,135	992,183	604,848	180,200	207,135	37,473	29,299	8,174
1990	1,142,092	614,474	260,529	267,089	1,111,414	596,781	247,544	267,089	30,678	17,693	12,985
1991	1,303,548	697,062	268,787	337,699	1,239,534	630,419	271,416	337,699	64,014	66,643	-2,629
1992	1,583,571	902,225	279,096	402,250	1,491,975	814,077	275,648	402,250	91,596	88,148	3,448
1993	1,778,885	1,043,158	253,998	481,729	1,715,984	972,454	261,801	481,729	62,901	70,704	-7,803
1994	1,898,164	1,121,120	245,269	531,775	1,843,656	1,075,142	236,739	531,775	54,508	45,978	8,530
1995	2,072,405	1,267,199	249,748	555,458	2,027,897	1,227,481	244,958	555,458	44,508	39,718	4,790
1996	2,043,855	1,263,281	229,807	550,767	2,033,277	1,255,230	227,280	550,767	10,578	8,051	2,527
1997	2,317,181	1,537,905	222,783	556,493	2,231,680	1,458,964	216,223	556,493	85,501	78,941	6,560
1998	2,571,393	1,791,608	212,400	567,385	2,482,879	1,680,387	235,107	567,385	88,514	111,221	-22,707
1999	2,598,205	1,731,073	280,119	587,013	2,540,878	1,692,572	261,293	587,013	57,327	38,501	18,826
2000	2,815,099	1,999,020	252,606	563,473	2,722,595	1,912,030	247,092	563,473	92,504	86,990	5,514
2001	2,175,715	1,423,405	237,244	515,066	2,238,591	1,476,445	247,080	515,066	-62,876	-53,040	-9,836
2002	2,241,850	1,521,444	247,883	472,523	2,285,679	1,574,934	238,222	472,523	-43,829	-53,490	9,661
2003	2,377,923	1,678,715	222,717	476,491	2,365,673	1,657,638	231,544	476,491	12,250	21,077	-8,827
2004	2,954,277	2,271,096	198,564	484,617	2,853,709	2,175,729	193,363	484,617	100,568	95,367	5,201
2005	2,957,842	2,238,248	220,895	498,699	2,924,286	2,211,671	213,916	498,699	33,556	26,577	6,979
2006	3,110,995	2,405,674	223,078	482,243	3,063,352	2,380,410	200,699	482,243	47,643	25,264	22,379
2007	3,221,482	2,503,013	224,503	493,966	3,205,121	2,501,225	209,930	493,966	16,361	1,788	14,573
2008	3,217,027	2,434,141	239,402	543,484	3,045,433	2,284,331	217,618	543,484	171,594	149,810	21,784
2009	2,580,249	1,737,304	248,171	594,774	2,761,737	1,935,945	231,018	594,774	-181,488	-198,641	17,153
2010	3,524,645	2,691,655	243,932	589,058	3,335,881	2,496,978	249,845	589,058	188,764	194,677	-5,913
2011	3,382,866	2,592,967	221,343	568,556	3,346,945	2,558,491	219,898	568,556	35,921	34,476	1,445
2012	3,304,160	2,563,432	229,752	510,976	3,282,131	2,567,030	204,129	510,976	22,029	-3,598	25,627
2013	3,360,196	2,683,641	184,095	492,460	3,378,731	2,685,854	200,417	492,460	-18,535	-2,213	-16,322
2014	3,521,157	2,837,572	221,415	462,170	3,493,834	2,820,686	210,978	462,170	27,323	16,886	10,437
2015	3,513,112	2,896,213	177,909	438,990	3,493,267	2,863,172	191,105	438,990	19,845	33,041	-13,196
2016	3,562,189	2,941,488	177,260	443,441	3,589,298	2,960,295	185,562	443,441	-27,109	-18,807	-8,302
2017	3,543,176	2,869,378	199,878	473,920	3,584,358	2,927,444	182,994	473,920	-41,182	-58,066	16,884
2018	3,793,979	...	...	...	3,743,897	3,034,432	211,555	497,910	50,082	...	...

Source: See Table 3-1.

3-11b. Composition of Gross Capital Formation by Owner (Continued)

Period	Gross Capital Formation				Gross Fixed Capital Formation				Increase in Inventory		
	Total	Private Sector	Public Enterprises	Government	Subtotal	Private Sector	Public Enterprises	Government	Subtotal	Private Sector	Public Enterprises
II. Percentage (%)											
1989	100.0	61.6	18.3	20.1	100.0	61.0	18.2	20.9	100.0	78.2	21.8
1990	100.0	53.8	22.8	23.4	100.0	53.7	22.3	24.0	100.0	57.7	42.3
1991	100.0	53.5	20.6	25.9	100.0	50.9	21.9	27.2	100.0	104.1	-4.1
1992	100.0	57.0	17.6	25.4	100.0	54.6	18.5	27.0	100.0	96.2	3.8
1993	100.0	58.6	14.3	27.1	100.0	56.7	15.3	28.1	100.0	112.4	-12.4
1994	100.0	59.1	12.9	28.0	100.0	58.3	12.8	28.8	100.0	84.4	15.6
1995	100.0	61.1	12.1	26.8	100.0	60.5	12.1	27.4	100.0	89.2	10.8
1996	100.0	61.8	11.2	26.9	100.0	61.7	11.2	27.1	100.0	76.1	23.9
1997	100.0	66.4	9.6	24.0	100.0	65.4	9.7	24.9	100.0	92.3	7.7
1998	100.0	69.7	8.3	22.1	100.0	67.7	9.5	22.9	100.0	125.7	-25.7
1999	100.0	66.6	10.8	22.6	100.0	66.6	10.3	23.1	100.0	67.2	32.8
2000	100.0	71.0	9.0	20.0	100.0	70.2	9.1	20.7	100.0	94.0	6.0
2001	100.0	65.4	10.9	23.7	100.0	66.0	11.0	23.0	100.0	84.4	15.6
2002	100.0	67.9	11.1	21.1	100.0	68.9	10.4	20.7	100.0	122.0	-22.0
2003	100.0	70.6	9.4	20.0	100.0	70.1	9.8	20.1	100.0	172.1	-72.1
2004	100.0	76.9	6.7	16.4	100.0	76.2	6.8	17.0	100.0	94.8	5.2
2005	100.0	75.7	7.5	16.9	100.0	75.6	7.3	17.1	100.0	79.2	20.8
2006	100.0	77.3	7.2	15.5	100.0	77.7	6.6	15.7	100.0	53.0	47.0
2007	100.0	77.7	7.0	15.3	100.0	78.0	6.5	15.4	100.0	10.9	89.1
2008	100.0	75.7	7.4	16.9	100.0	75.0	7.1	17.8	100.0	87.3	12.7
2009	100.0	67.3	9.6	23.1	100.0	70.1	8.4	21.5	100.0	109.5	-9.5
2010	100.0	76.4	6.9	16.7	100.0	74.9	7.5	17.7	100.0	103.1	-3.1
2011	100.0	76.7	6.5	16.8	100.0	76.4	6.6	17.0	100.0	96.0	4.0
2012	100.0	77.6	7.0	15.5	100.0	78.2	6.2	15.6	100.0	-16.3	116.3
2013	100.0	79.9	5.5	14.7	100.0	79.5	5.9	14.6	100.0	11.9	88.1
2014	100.0	80.6	6.3	13.1	100.0	80.7	6.0	13.2	100.0	61.8	38.2
2015	100.0	82.4	5.1	12.5	100.0	82.0	5.5	12.6	100.0	166.5	-66.5
2016	100.0	82.6	5.0	12.4	100.0	82.5	5.2	12.4	100.0	69.4	30.6
2017	100.0	81.0	5.6	13.4	100.0	81.7	5.1	13.2	100.0	141.0	-41.0
2018	100.0	...	...	...	100.0	81.1	5.7	13.3	100.0	...	...

3-12a. Composition of Fixed Capital Formation by Industry

Period	Total	Agriculture	Industry						Subtotal	Trade	Transportation & Storage
			Subtotal	Mining	Manufacturing	Electricity & Gas	Water Supply & Remediation Services	Construction			
I. Amount (NT\$ million)											
1981	512,978	15,039	236,826	4,161	149,828	71,837	60	10,940	261,113	22,902	27,658
1985	529,967	12,735	200,287	3,532	136,575	47,420	4,944	7,816	316,945	27,465	34,016
1990	1,111,414	24,219	409,179	5,161	290,685	89,575	8,751	15,007	678,016	51,069	52,672
1995	2,027,897	24,181	755,698	4,661	599,962	109,231	19,427	22,417	1,248,018	110,418	91,959
1996	2,033,277	27,542	769,975	4,342	624,315	109,588	12,334	19,396	1,235,760	111,902	80,643
1997	2,231,680	26,637	898,108	3,906	743,470	118,936	11,195	20,601	1,306,935	117,952	116,321
1998	2,482,879	22,662	998,603	4,369	816,657	141,078	12,589	23,910	1,461,614	129,809	136,482
1999	2,540,878	26,501	1,087,174	4,225	885,415	159,778	14,899	22,857	1,427,203	120,518	109,139
2000	2,722,595	16,048	1,317,471	3,908	1,134,589	142,621	12,463	23,890	1,389,076	122,910	116,454
2001	2,238,591	17,867	977,710	2,957	811,028	131,731	12,260	19,734	1,243,014	107,226	126,356
2002	2,285,679	16,086	1,001,985	2,505	839,757	124,770	14,247	20,706	1,267,608	115,587	144,106
2003	2,365,673	16,656	1,078,871	2,608	912,871	130,605	13,417	19,370	1,270,146	128,097	158,642
2004	2,853,709	13,077	1,423,915	1,900	1,264,882	124,767	10,962	21,404	1,416,717	159,428	199,784
2005	2,924,286	16,986	1,456,908	2,318	1,276,000	143,167	12,579	22,844	1,450,392	171,703	210,556
2006	3,063,352	13,640	1,606,957	2,336	1,419,939	146,327	14,161	24,194	1,442,755	182,999	156,615
2007	3,205,121	8,070	1,739,080	2,697	1,545,012	150,024	14,958	26,389	1,457,971	181,807	146,925
2008	3,045,433	9,705	1,565,776	2,506	1,359,359	161,200	16,842	25,869	1,469,952	189,947	83,203
2009	2,761,737	11,032	1,299,602	2,531	1,099,424	150,172	22,637	24,838	1,451,103	184,456	82,512
2010	3,335,881	15,553	1,753,844	2,535	1,546,034	154,589	23,945	26,741	1,566,484	190,884	108,415
2011	3,346,945	8,896	1,679,540	2,468	1,505,322	128,135	19,506	24,109	1,658,509	182,095	114,266
2012	3,282,131	16,739	1,595,007	2,390	1,429,644	118,205	20,223	24,545	1,670,385	174,237	112,538
2013	3,378,731	24,028	1,680,778	3,550	1,512,792	121,563	17,492	25,381	1,673,925	181,163	125,384
2014	3,493,834	24,797	1,721,413	2,430	1,542,599	125,458	24,658	26,268	1,747,624	195,468	150,594
2015	3,493,267	20,655	1,738,364	3,163	1,574,093	109,446	24,449	27,213	1,734,248	204,747	157,062
2016	3,589,298	18,576	1,842,152	3,114	1,688,221	99,847	23,979	26,991	1,728,570	208,467	160,547
2017	3,584,358	21,078	1,775,905	3,017	1,619,351	101,844	24,060	27,633	1,787,375	194,822	165,479

Source: See Table 3-1.

3-12b. Composition of Fixed Capital Formation by Industry (Continued)

Period	Services										
	Accommodation & Food Services	Information & Communications	Finance & Insurance	Real Estate	Professional, Scientific & Technical Services	Support Services	Public Administration & Defence	Education Services	Human Health & Social Work Services	Arts, Entertainment & Recreation	Other Services
I. Amount (NT\$ million)											
1981	1,092	28,446	6,355	72,559	4,285	3,325	71,964	14,234	3,352	2,528	2,413
1985	6,751	21,500	10,473	88,473	7,617	4,391	84,659	18,428	7,329	2,688	3,155
1990	13,693	60,310	39,799	138,989	13,541	5,012	214,568	50,552	17,858	13,694	6,259
1995	15,798	60,061	59,895	234,141	30,338	17,480	473,638	88,387	32,287	23,218	10,398
1996	16,131	70,891	65,442	217,713	32,987	19,038	473,830	78,593	35,774	22,416	10,400
1997	18,065	71,912	69,490	229,899	34,727	20,543	482,412	75,272	34,378	23,953	12,011
1998	18,817	129,450	98,819	241,746	37,449	24,459	494,521	77,588	38,463	22,062	11,949
1999	19,409	135,649	109,999	214,471	35,207	20,981	508,488	77,561	40,676	21,608	13,497
2000	20,130	141,907	86,773	200,530	33,947	23,494	492,192	73,603	37,382	23,676	16,078
2001	17,025	125,136	81,464	170,555	34,432	16,399	452,990	53,063	28,480	9,624	20,264
2002	17,148	118,413	82,264	197,561	39,114	17,909	409,353	56,031	35,699	17,983	16,440
2003	18,324	96,186	79,059	190,743	46,712	17,436	399,937	60,540	41,160	17,572	15,738
2004	19,857	96,412	88,005	232,494	51,012	19,076	407,149	63,902	47,229	16,199	16,170
2005	25,978	76,994	89,343	230,360	50,590	25,006	424,858	64,989	51,327	14,232	14,456
2006	32,478	78,825	93,792	253,965	53,518	27,394	402,858	71,779	61,399	11,874	15,259
2007	32,947	78,197	79,710	282,724	55,794	31,320	408,867	73,156	59,899	12,233	14,392
2008	36,581	90,889	84,919	277,275	59,772	29,361	454,450	74,349	63,314	13,361	12,531
2009	34,141	80,180	89,108	215,245	67,304	30,006	500,660	76,729	67,465	13,394	9,903
2010	38,742	83,646	86,850	299,790	67,482	40,801	494,596	70,419	63,821	11,569	9,469
2011	46,556	86,034	94,523	379,156	69,539	51,792	459,913	84,124	69,286	11,406	9,819
2012	50,054	96,670	139,175	414,133	74,090	52,576	407,664	74,610	51,966	12,545	10,127
2013	52,781	114,571	144,227	382,904	70,861	51,879	393,494	69,659	58,575	17,874	10,553
2014	59,046	121,822	158,349	427,301	67,883	52,644	369,559	55,893	60,110	18,223	10,732
2015	64,757	121,244	148,655	419,485	71,226	55,416	346,504	54,822	59,541	19,614	11,175
2016	62,547	126,099	161,893	379,781	76,057	53,797	344,305	56,525	68,488	18,935	11,129
2017	64,921	132,937	163,074	407,870	77,933	55,511	367,336	59,510	64,808	21,982	11,192

3-12c. Composition of Fixed Capital Formation by Industry (Continued)

Period	Total	Agriculture	Industry						Subtotal	Trade	Transportation & Storage
			Subtotal	Mining	Manufacturing	Electricity & Gas	Water Supply & Remediation Services	Construction			
II. Percentage (%)											
1981	100.0	2.9	46.2	0.8	29.2	14.0	0.0	2.1	50.9	4.5	5.4
1985	100.0	2.4	37.8	0.7	25.8	8.9	0.9	1.5	59.8	5.2	6.4
1990	100.0	2.2	36.8	0.5	26.2	8.1	0.8	1.4	61.0	4.6	4.7
1995	100.0	1.2	37.3	0.2	29.6	5.4	1.0	1.1	61.5	5.4	4.5
1996	100.0	1.4	37.9	0.2	30.7	5.4	0.6	1.0	60.8	5.5	4.0
1997	100.0	1.2	40.2	0.2	33.3	5.3	0.5	0.9	58.6	5.3	5.2
1998	100.0	0.9	40.2	0.2	32.9	5.7	0.5	1.0	58.9	5.2	5.5
1999	100.0	1.0	42.8	0.2	34.8	6.3	0.6	0.9	56.2	4.7	4.3
2000	100.0	0.6	48.4	0.1	41.7	5.2	0.5	0.9	51.0	4.5	4.3
2001	100.0	0.8	43.7	0.1	36.2	5.9	0.5	0.9	55.5	4.8	5.6
2002	100.0	0.7	43.8	0.1	36.7	5.5	0.6	0.9	55.5	5.1	6.3
2003	100.0	0.7	45.6	0.1	38.6	5.5	0.6	0.8	53.7	5.4	6.7
2004	100.0	0.5	49.9	0.1	44.3	4.4	0.4	0.8	49.6	5.6	7.0
2005	100.0	0.6	49.8	0.1	43.6	4.9	0.4	0.8	49.6	5.9	7.2
2006	100.0	0.4	52.5	0.1	46.4	4.8	0.5	0.8	47.1	6.0	5.1
2007	100.0	0.3	54.3	0.1	48.2	4.7	0.5	0.8	45.5	5.7	4.6
2008	100.0	0.3	51.4	0.1	44.6	5.3	0.6	0.8	48.3	6.2	2.7
2009	100.0	0.4	47.1	0.1	39.8	5.4	0.8	0.9	52.5	6.7	3.0
2010	100.0	0.5	52.6	0.1	46.3	4.6	0.7	0.8	47.0	5.7	3.2
2011	100.0	0.3	50.2	0.1	45.0	3.8	0.6	0.7	49.6	5.4	3.4
2012	100.0	0.5	48.6	0.1	43.6	3.6	0.6	0.7	50.9	5.3	3.4
2013	100.0	0.7	49.7	0.1	44.8	3.6	0.5	0.8	49.5	5.4	3.7
2014	100.0	0.7	49.3	0.1	44.2	3.6	0.7	0.8	50.0	5.6	4.3
2015	100.0	0.6	49.8	0.1	45.1	3.1	0.7	0.8	49.6	5.9	4.5
2016	100.0	0.5	51.3	0.1	47.0	2.8	0.7	0.8	48.2	5.8	4.5
2017	100.0	0.6	49.5	0.1	45.2	2.8	0.7	0.8	49.9	5.4	4.6

3-12d. Composition of Fixed Capital Formation by Industry (Continued)

Period	Services										
	Accommodation & Food Services	Information & Communications	Finance & Insurance	Real Estate	Professional, Scientific & Technical Services	Support Services	Public Administration & Defence	Education Services	Human Health & Social Work Services	Arts, Entertainment & Recreation	Other Services
II. Percentage (%)											
1981	0.2	5.5	1.2	14.1	0.8	0.6	14.0	2.8	0.7	0.5	0.5
1985	1.3	4.1	2.0	16.7	1.4	0.8	16.0	3.5	1.4	0.5	0.6
1990	1.2	5.4	3.6	12.5	1.2	0.5	19.3	4.5	1.6	1.2	0.6
1995	0.8	3.0	3.0	11.5	1.5	0.9	23.4	4.4	1.6	1.1	0.5
1996	0.8	3.5	3.2	10.7	1.6	0.9	23.3	3.9	1.8	1.1	0.5
1997	0.8	3.2	3.1	10.3	1.6	0.9	21.6	3.4	1.5	1.1	0.5
1998	0.8	5.2	4.0	9.7	1.5	1.0	19.9	3.1	1.5	0.9	0.5
1999	0.8	5.3	4.3	8.4	1.4	0.8	20.0	3.1	1.6	0.9	0.5
2000	0.7	5.2	3.2	7.4	1.2	0.9	18.1	2.7	1.4	0.9	0.6
2001	0.8	5.6	3.6	7.6	1.5	0.7	20.2	2.4	1.3	0.4	0.9
2002	0.8	5.2	3.6	8.6	1.7	0.8	17.9	2.5	1.6	0.8	0.7
2003	0.8	4.1	3.3	8.1	2.0	0.7	16.9	2.6	1.7	0.7	0.7
2004	0.7	3.4	3.1	8.1	1.8	0.7	14.3	2.2	1.7	0.6	0.6
2005	0.9	2.6	3.1	7.9	1.7	0.9	14.5	2.2	1.8	0.5	0.5
2006	1.1	2.6	3.1	8.3	1.7	0.9	13.2	2.3	2.0	0.4	0.5
2007	1.0	2.4	2.5	8.8	1.7	1.0	12.8	2.3	1.9	0.4	0.4
2008	1.2	3.0	2.8	9.1	2.0	1.0	14.9	2.4	2.1	0.4	0.4
2009	1.2	2.9	3.2	7.8	2.4	1.1	18.1	2.8	2.4	0.5	0.4
2010	1.2	2.5	2.6	9.0	2.0	1.2	14.8	2.1	1.9	0.3	0.3
2011	1.4	2.6	2.8	11.3	2.1	1.5	13.7	2.5	2.1	0.3	0.3
2012	1.5	2.9	4.2	12.6	2.3	1.6	12.4	2.3	1.6	0.4	0.3
2013	1.6	3.4	4.3	11.3	2.1	1.5	11.6	2.1	1.7	0.5	0.3
2014	1.7	3.5	4.5	12.2	1.9	1.5	10.6	1.6	1.7	0.5	0.3
2015	1.9	3.5	4.3	12.0	2.0	1.6	9.9	1.6	1.7	0.6	0.3
2016	1.7	3.5	4.5	10.6	2.1	1.5	9.6	1.6	1.9	0.5	0.3
2017	1.8	3.7	4.5	11.4	2.2	1.5	10.2	1.7	1.8	0.6	0.3

3-13a. Composition of Gross Capital Formation by Type of Capital Goods

Period	Gross Capital Formation	Gross Fixed Capital Formation									Increase in Inventory
		Residential Buildings	Non-residential Buildings	Other Construction	Land Improvement and Orchard Development	Transport Equipment	Machinery and Other Equipment	Berding Stock, Draught Animals and the Like	Intellectual Property Products		
I. Amount (NT\$ million)											
1990	1,142,092	1,111,414	117,725	197,535	196,591	6,611	95,720	410,091	2,979	84,162	30,678
1991	1,303,548	1,239,534	118,554	218,369	251,614	7,004	106,849	429,447	3,740	103,957	64,014
1992	1,583,571	1,491,975	156,783	262,647	296,958	15,509	138,333	492,463	1,419	127,863	91,596
1993	1,778,885	1,715,984	191,755	319,231	372,577	18,376	142,314	523,841	3,215	144,675	62,901
1994	1,898,164	1,843,656	181,390	343,029	410,872	12,294	134,454	593,099	3,771	164,747	54,508
1995	2,072,405	2,027,897	189,742	378,304	422,443	10,096	142,447	700,663	3,782	180,420	44,508
1996	2,043,855	2,033,277	179,875	358,248	416,773	16,167	123,047	732,807	4,039	202,321	10,578
1997	2,317,181	2,231,680	190,609	377,466	420,702	20,198	160,163	834,379	1,011	227,152	85,501
1998	2,571,393	2,482,879	201,044	402,426	440,701	20,573	192,460	960,826	365	264,484	88,514
1999	2,598,205	2,540,878	178,588	381,620	447,384	23,850	146,452	1,062,696	3,929	296,359	57,327
2000	2,815,099	2,722,595	166,965	379,171	427,953	24,991	161,456	1,233,259	2,251	326,549	92,504
2001	2,175,715	2,238,591	141,932	349,552	362,255	30,484	168,276	854,403	562	331,127	-62,876
2002	2,241,850	2,285,679	167,377	381,527	356,636	21,481	141,099	853,519	941	363,099	-43,829
2003	2,377,923	2,365,673	159,315	389,108	345,937	27,659	133,753	918,478	2,073	389,314	12,250
2004	2,954,277	2,853,709	189,478	479,981	377,272	25,620	162,776	1,197,071	1,816	419,695	100,568
2005	2,957,842	2,924,286	183,288	497,141	401,231	25,528	213,793	1,156,912	1,771	444,622	33,556
2006	3,110,995	3,063,352	194,880	578,257	391,704	29,681	165,141	1,223,670	1,484	478,535	47,643
2007	3,221,482	3,205,121	216,173	605,488	396,742	29,672	164,264	1,283,647	496	508,639	16,361
2008	3,217,027	3,045,433	215,644	572,455	445,050	39,089	120,799	1,109,804	1,028	541,564	171,594
2009	2,580,249	2,761,737	167,574	443,748	452,583	33,197	127,675	968,138	420	568,402	-181,488
2010	3,524,645	3,335,881	230,636	546,009	436,965	42,135	173,436	1,289,776	386	616,538	188,764
2011	3,382,866	3,346,945	347,601	576,576	362,779	27,718	178,597	1,210,958	514	642,202	35,921
2012	3,304,160	3,282,131	378,597	588,126	317,675	24,376	184,161	1,121,030	430	667,736	22,029
2013	3,360,196	3,378,731	344,521	641,013	321,311	26,042	186,341	1,155,673	572	703,258	-18,535
2014	3,521,157	3,493,834	385,603	662,665	308,752	19,056	217,397	1,148,372	795	751,194	27,323
2015	3,513,112	3,493,267	376,419	652,635	283,229	16,014	224,912	1,151,237	1,113	787,708	19,845
2016	3,562,189	3,589,298	338,556	645,589	280,051	15,157	231,531	1,247,307	969	830,138	-27,109
2017	3,543,176	3,584,358	366,459	625,511	294,115	16,141	244,369	1,170,745	1,122	865,896	-41,182

Source: See Table 3-1.

3-13b. Composition of Gross Capital Formation by Type of Capital Goods (Continued)

Period	Gross Capital Formation	Gross Fixed Capital Formation									Increase in Inventory
		Residential Buildings	Non-residential Buildings	Other Construction	Land Improvement and Orchard Development	Transport Equipment	Machinery and Other Equipment	Berding Stock, Draught Animals and the Like	Intellectual Property Products		
II. Percentage (%)											
1990	100.0	97.3	10.3	17.3	17.2	0.6	8.4	35.9	0.3	7.4	2.7
1991	100.0	95.1	9.1	16.8	19.3	0.5	8.2	32.9	0.3	8.0	4.9
1992	100.0	94.2	9.9	16.6	18.8	1.0	8.7	31.1	0.1	8.1	5.8
1993	100.0	96.5	10.8	17.9	20.9	1.0	8.0	29.4	0.2	8.1	3.5
1994	100.0	97.1	9.6	18.1	21.6	0.6	7.1	31.2	0.2	8.7	2.9
1995	100.0	97.9	9.2	18.3	20.4	0.5	6.9	33.8	0.2	8.7	2.1
1996	100.0	99.5	8.8	17.5	20.4	0.8	6.0	35.9	0.2	9.9	0.5
1997	100.0	96.3	8.2	16.3	18.2	0.9	6.9	36.0	0.0	9.8	3.7
1998	100.0	96.6	7.8	15.7	17.1	0.8	7.5	37.4	0.0	10.3	3.4
1999	100.0	97.8	6.9	14.7	17.2	0.9	5.6	40.9	0.2	11.4	2.2
2000	100.0	96.7	5.9	13.5	15.2	0.9	5.7	43.8	0.1	11.6	3.3
2001	100.0	102.9	6.5	16.1	16.6	1.4	7.7	39.3	0.0	15.2	-2.9
2002	100.0	102.0	7.5	17.0	15.9	1.0	6.3	38.1	0.0	16.2	-2.0
2003	100.0	99.5	6.7	16.4	14.5	1.2	5.6	38.6	0.1	16.4	0.5
2004	100.0	96.6	6.4	16.2	12.8	0.9	5.5	40.5	0.1	14.2	3.4
2005	100.0	98.9	6.2	16.8	13.6	0.9	7.2	39.1	0.1	15.0	1.1
2006	100.0	98.5	6.3	18.6	12.6	1.0	5.3	39.3	0.0	15.4	1.5
2007	100.0	99.5	6.7	18.8	12.3		5.1	39.8	0.0	15.8	0.5
2008	100.0	94.7	6.7	17.8	13.8	1.2	3.8	34.5	0.0	16.8	5.3
2009	100.0	107.0	6.5	17.2	17.5	1.3	4.9	37.5	0.0	22.0	-7.0
2010	100.0	94.6	6.5	15.5	12.4	1.2	4.9	36.6	0.0	17.5	5.4
2011	100.0	98.9	10.3	17.0	10.7	0.8	5.3	35.8	0.0	19.0	1.1
2012	100.0	99.3	11.5	17.8	9.6	0.7	5.6	33.9	0.0	20.2	0.7
2013	100.0	100.6	10.3	19.1	9.6	0.8	5.5	34.4	0.0	20.9	-0.6
2014	100.0	99.2	11.0	18.8	8.8	0.5	6.2	32.6	0.0	21.3	0.8
2015	100.0	99.2	11.0	18.8	8.8	0.5	6.2	32.6	0.0	21.3	0.8
2016	100.0	99.4	10.7	18.6	8.1	0.5	6.4	32.8	0.0	22.4	0.6
2017	100.0	100.8	9.5	18.1	7.9	0.4	6.5	35.0	0.0	23.3	-0.8

3-14a. The Finance of Gross Capital Formation

Period	Gross Capital Formation	Gross National Savings					Net Capital Transfers from the Rest of the World	Net Borrowing from (+) or Lending to (-) Abroad	(Less) Purchases of Intangible Assets N.E.C. from the Rest of the World Net	Statistical Discrepancy
		Total (1)	Provision for Capital Consumption		Net National Savings					
			Corporate and Quasi-Corporate Enterprises	Government	Private Sector (2)	Government				
1998	2,571,393	2,674,598	847,822	203,324	1,406,820	216,632	-6,059	-98,918	0	1,772
1999	2,598,205	2,855,335	929,866	218,545	1,713,499	-6,575	-5,590	-239,159	0	-12,381
2000	2,815,099	3,105,474	1,017,589	230,001	1,790,732	67,152	-8,955	-255,091	0	-26,329
2001	2,175,715	2,804,480	1,094,486	239,848	1,686,448	-216,302	-4,118	-623,263	1,384	0
2002	2,241,850	3,106,201	1,141,797	250,184	1,890,881	-176,661	-3,322	-886,539	1,487	26,997
2003	2,377,923	3,415,513	1,211,645	265,071	1,981,409	-42,612	-2,377	-967,522	621	-67,070
2004	2,954,277	3,668,542	1,330,991	292,034	2,020,804	24,713	-2,514	-642,781	67	-68,903
2005	2,957,842	3,667,630	1,403,741	298,503	1,832,641	132,745	-2,285	-654,188	1,481	-51,834
2006	3,110,995	4,022,143	1,517,375	317,760	1,998,100	188,908	-1,792	-907,303	2,053	0
2007	3,221,482	4,322,467	1,637,047	339,379	2,140,364	205,677	-2,335	-1,270,270	823	172,443
2008	3,217,027	3,987,872	1,789,976	375,621	1,826,734	-4,459	-2,010	-898,486	8,479	138,130
2009	2,580,249	3,918,237	1,862,177	373,167	1,793,115	-110,222	-1,519	-1,489,795	1,651	154,977
2010	3,524,645	4,821,815	1,922,696	387,262	2,510,026	1,831	-2,118	-1,337,969	1,549	44,466
2011	3,382,866	4,624,899	2,007,532	402,369	2,045,113	169,885	-2,442	-1,238,532	1,059	0
2012	3,304,160	4,611,020	2,076,628	408,955	2,177,549	-52,112	-1,750	-1,466,815	712	162,417
2013	3,360,196	5,008,844	2,069,093	404,893	2,523,954	10,904	-1,812	-1,713,988	-1,980	65,172
2014	3,521,157	5,569,084	2,155,763	410,311	2,882,867	120,143	-2,057	-2,043,018	242	-2,610
2015	3,513,112	6,033,122	2,188,601	400,839	3,232,622	211,060	-2,027	-2,576,910	316	59,243
2016	3,562,189	6,070,719	2,274,754	398,778	3,090,817	306,370	-1,998	-2,541,352	1,160	35,980
2017	3,543,176	6,161,104	2,328,704	404,346	3,248,307	179,747	-3,076	-2,566,335	884	-47,633

(1) Is not equal to the sum of its components due to statistical discrepancy.

(2) Refers to the sum of Corporate and Quasi-Corporate Enterprises and households.

Source: See Table 3-1.

3-14b. The Finance of Gross Capital Formation (Continued)

Period	Gross Capital Formation	Gross National Savings					Net Capital Transfers from the Rest of the World	Net Borrowing from (+) or Lending to (-) Abroad	(Less) Purchases of Intangible Assets N.E.C. from the Rest of the World Net	Statistical Discrepancy
		Total (1)	Provision for Capital Consumption		Net National Savings					
			Corporate and Quasi-Corporate Enterprises	Government	Private Sector (2)	Government				
II. Percentage (%)										
1998	100.0	104.0	33.0	7.9	54.7	8.4	-0.2	-3.8	0.0	0.1
1999	100.0	109.9	35.8	8.4	65.9	-0.3	-0.2	-9.2	0.0	-0.5
2000	100.0	110.3	36.1	8.2	63.6	2.4	-0.3	-9.1	0.0	-0.9
2001	100.0	128.9	50.3	11.0	77.5	-9.9	-0.2	-28.6	0.1	0.0
2002	100.0	138.6	50.9	11.2	84.3	-7.9	-0.1	-39.5	0.1	1.2
2003	100.0	143.6	51.0	11.1	83.3	-1.8	-0.1	-40.7	0.0	-2.8
2004	100.0	124.2	45.1	9.9	68.4	0.8	-0.1	-21.8	0.0	-2.3
2005	100.0	124.0	47.5	10.1	62.0	4.5	-0.1	-22.1	0.1	-1.8
2006	100.0	129.3	48.8	10.2	64.2	6.1	-0.1	-29.2	0.1	0.0
2007	100.0	134.2	50.8	10.5	66.4	6.4	-0.1	-39.4	0.0	5.4
2008	100.0	124.0	55.6	11.7	56.8	-0.1	-0.1	-27.9	0.3	4.3
2009	100.0	151.9	72.2	14.5	69.5	-4.3	-0.1	-57.7	0.1	6.0
2010	100.0	136.8	54.6	11.0	71.2	0.1	-0.1	-38.0	0.0	1.3
2011	100.0	136.7	59.3	11.9	60.5	5.0	-0.1	-36.6	0.0	0.0
2012	100.0	139.6	62.8	12.4	65.9	-1.6	-0.1	-44.4	0.0	4.9
2013	100.0	149.1	61.6	12.0	75.1	0.3	-0.1	-51.0	-0.1	1.9
2014	100.0	158.2	61.2	11.7	81.9	3.4	-0.1	-58.0	0.0	-0.1
2015	100.0	171.7	62.3	11.4	92.0	6.0	-0.1	-73.4	0.0	1.7
2016	100.0	170.4	63.9	11.2	86.8	8.6	-0.1	-71.3	0.0	1.0
2017	100.0	173.9	65.7	11.4	91.7	5.1	-0.1	-72.4	0.0	-1.3

3-15. Savings as Percentage of National Income and GNI

Unit: NT\$ million

Period	Net Savings (1) (A)	National Income (At Factor Cost) (B)	(A)/(B) x 100 (%)	Gross National Savings (C)	Gross National Income (D)	(C)/(D) x 100 (%)
1952	2,526	15,292	16.5	2,678	17,271	15.5
1955	3,631	25,327	14.3	4,465	30,160	14.8
1960	8,720	52,506	16.6	11,608	63,371	18.3
1965	18,671	93,685	19.9	24,622	114,577	21.5
1970	46,368	181,487	25.5	61,164	231,015	26.5
1975	104,864	449,820	23.3	164,938	598,483	27.6
1980	339,330	1,143,947	29.7	496,528	1,520,519	32.7
1985	637,798	2,058,808	31.0	891,477	2,583,166	34.5
1990	1,015,771	3,746,725	27.1	1,439,245	4,597,595	31.3
1993	1,318,126	5,078,932	26.0	1,955,020	6,319,382	30.9
1994	1,373,159	5,551,485	24.7	2,076,497	6,891,959	30.1
1995	1,420,105	6,022,940	23.6	2,218,373	7,507,569	29.5
1996	1,484,747	6,631,747	22.4	2,330,423	8,146,092	28.6
1997	1,604,218	7,201,720	22.3	2,525,065	8,806,852	28.7
1998	1,623,452	7,699,818	21.1	2,674,598	9,449,692	28.3
1999	1,706,924	8,099,531	21.1	2,855,335	9,906,113	28.8
2000	1,857,884	8,607,718	21.6	3,105,474	10,490,818	29.6
2001	1,470,146	8,410,548	17.5	2,804,480	10,350,233	27.1
2002	1,714,220	8,850,797	19.4	3,106,201	10,923,385	28.4
2003	1,938,797	9,248,041	21.0	3,415,513	11,294,739	30.2
2004	2,045,517	9,773,156	20.9	3,668,542	12,021,744	30.5
2005	1,965,386	10,021,631	19.6	3,667,630	12,383,120	29.6
2006	2,187,008	10,410,457	21.0	4,022,143	12,952,502	31.1
2007	2,346,041	10,881,284	21.6	4,322,467	13,739,828	31.5
2008	1,822,275	10,492,681	17.4	3,987,872	13,465,596	29.6
2009	1,682,893	10,375,716	16.2	3,918,237	13,375,650	29.3
2010	2,511,857	11,466,089	21.9	4,821,815	14,548,852	33.1
2011	2,214,998	11,515,558	19.2	4,624,899	14,700,572	31.5
2012	2,125,437	11,718,533	18.1	4,611,020	15,141,108	30.5
2013	2,534,858	12,296,081	20.6	5,008,844	15,654,588	32.0
2014	3,003,010	13,142,018	22.9	5,569,084	16,582,405	33.6
2015	3,443,682	13,752,011	25.0	6,033,122	17,301,397	34.9
2016	3,397,187	14,039,556	24.2	6,070,719	17,705,994	34.3
2017	3,428,054	14,302,451	24.0	6,161,104	17,965,345	34.3
2018	3,133,039	14,328,772	21.9	5,976,881	18,129,011	33.0

(1) See (1) of Table 3-14a.

Source: See Table 3-1.

3-16 Household Income, Disposable Income and Net Savings

Unit: NTS million

Item	2011	2012	2013	2014	2015	2016	2017
A. Gross national income	14,700,572	15,141,108	15,654,588	16,582,405	17,301,397	17,705,994	17,965,345
Less: Provision for consumption of fixed capital	2,409,901	2,485,583	2,473,986	2,566,074	2,589,440	2,673,532	2,733,050
Net Taxes on Production and Imports	775,113	774,575	819,349	876,923	900,703	956,926	977,477
Statistical discrepancy	0	162,417	65,172	-2,610	59,243	35,980	-47,633
B. National income (at factor cost)	11,515,558	11,718,533	12,296,081	13,142,018	13,752,011	14,039,556	14,302,451
Less: Savings of Corporate and Quasi-Corporate Enterprises	1,074,635	1,108,070	1,597,958	1,586,804	1,903,792	2,058,843	2,066,699
Plus: Other items (1)	515,386	766,067	913,735	834,250	896,747	930,010	1,032,937
C. Household (personal) income	10,956,309	11,376,530	11,611,858	12,389,464	12,744,966	12,910,723	13,268,689
Less: Current transfers to rest of the world and residents	1,774,559	1,806,872	1,944,601	2,006,213	2,096,998	2,279,739	2,259,250
Current Taxes on Income, Wealth, etc.	412,296	465,074	492,876	498,447	563,309	564,537	562,759
D. Household disposable income	8,769,454	9,104,584	9,174,381	9,884,804	10,084,659	10,066,447	10,446,680
Less: Consumption expenditure	7,798,976	8,035,105	8,248,385	8,588,741	8,755,829	9,034,473	9,265,072
Net savings	970,478	1,069,479	925,996	1,296,063	1,328,830	1,031,974	1,181,608

(1) Other items refers to current transfers from residents and the rest of the world, less business income tax, government net income from property and enterprises, and compulsory fees, fines and penalties.

Source: See Table 3-1.

3-17. Household Income, Disposable Income and Propensity to Consume

Unit: NT\$ million

Period	Household Income				Direct Taxes	Transfer Payment	Household Disposable Income	Consumption Expenditure	Average Propensity to Consume
	Total	Compensation of Employees	Property and Entrepreneurial Income, Net	Transfer Received					
1998	7,326,475	4,496,461	2,137,562	692,452	319,604	898,659	6,108,212	5,116,403	0.84
1999	7,830,681	4,657,766	2,362,763	810,152	333,375	982,945	6,514,361	5,394,295	0.83
2000	8,266,623	4,899,752	2,551,601	815,270	320,561	1,037,544	6,908,518	5,706,268	0.83
2001	8,318,144	4,841,816	2,605,409	870,919	295,432	1,065,316	6,957,396	5,756,645	0.83
2002	8,429,865	4,858,631	2,676,070	895,164	286,464	1,114,245	7,029,156	5,953,938	0.85
2003	8,519,916	5,011,370	2,642,339	866,207	268,276	1,156,040	7,095,600	6,100,329	0.86
2004	8,935,550	5,258,558	2,737,632	939,360	289,392	1,265,675	7,380,483	6,490,958	0.88
2005	9,372,603	5,508,045	2,802,821	1,061,737	377,166	1,368,797	7,626,640	6,784,327	0.89
2006	9,961,909	5,763,949	3,048,069	1,149,891	412,909	1,461,124	8,087,876	6,947,802	0.86
2007	10,367,408	5,932,673	3,205,107	1,229,628	406,721	1,491,182	8,469,505	7,197,916	0.85
2008	10,514,475	6,025,052	3,063,600	1,425,823	436,394	1,517,950	8,560,131	7,260,169	0.85
2009	10,100,756	5,781,000	2,984,994	1,334,762	352,405	1,571,353	8,176,998	7,175,511	0.88
2010	10,616,282	6,166,861	3,115,832	1,333,589	367,987	1,664,481	8,583,814	7,497,682	0.87
2011	10,956,309	6,465,312	3,090,130	1,400,867	412,296	1,774,559	8,769,454	7,798,976	0.89
2012	11,376,530	6,615,543	3,165,725	1,595,262	465,074	1,806,872	9,104,584	8,035,105	0.88
2013	11,611,858	6,724,696	3,183,313	1,703,849	492,876	1,944,601	9,174,381	8,248,385	0.90
2014	12,389,464	7,069,129	3,580,336	1,739,999	498,447	2,006,213	9,884,804	8,588,741	0.87
2015	12,744,966	7,343,262	3,531,566	1,870,138	563,309	2,096,998	10,084,659	8,755,829	0.87
2016	12,910,723	7,516,649	3,487,420	1,906,654	564,537	2,279,739	10,066,447	9,034,473	0.90
2017	13,268,689	7,758,985	3,445,876	2,063,828	562,759	2,259,250	10,446,680	9,265,072	0.89

Source: See Table 3-1.

3-18. Marginal Capital/Output Ratio

Unit: NT\$ million at current prices

Period	Gross Domestic Product		Capital Formation (I)		Marginal Capital/Output Ratio	
	Amount (A)	Annual Increase (B)	Gross Capital Formation (C)	Gross Fixed Capital Formation (D)	Gross Capital Formation (C)/(B)	Gross Fixed Capital Formation (D)/(B)
1952	17,275	4,948	2,682	1,979	0.54	0.40
1955	30,163	4,848	4,099	3,502	0.85	0.72
1960	63,398	10,872	13,126	10,869	1.21	1.00
1965	114,771	11,098	26,874	20,418	2.42	1.84
1970	231,427	30,720	61,133	52,301	1.99	1.70
1975	601,827	41,698	187,300	191,565	4.49	4.59
1980	1,522,625	303,029	519,811	472,346	1.72	1.56
1985	2,536,012	117,128	529,447	529,967	4.52	4.52
1990	4,480,288	447,217	1,142,092	1,111,414	2.55	2.49
1995	7,396,650	612,208	2,072,405	2,027,897	3.39	3.31
1996	8,036,590	639,940	2,043,855	2,033,277	3.19	3.18
1997	8,717,241	680,651	2,317,181	2,231,680	3.40	3.28
1998	9,381,141	663,900	2,571,393	2,482,879	3.87	3.74
1999	9,815,595	434,454	2,598,205	2,540,878	5.98	5.85
2000	10,351,260	535,665	2,815,099	2,722,595	5.26	5.08
2001	10,158,209	-193,051	2,175,715	2,238,591	-11.27	-11.60
2002	10,680,883	522,674	2,241,850	2,285,679	4.29	4.37
2003	10,965,866	284,983	2,377,923	2,365,673	8.34	8.30
2004	11,649,645	683,779	2,954,277	2,853,709	4.32	4.17
2005	12,092,254	442,609	2,957,842	2,924,286	6.68	6.61
2006	12,640,803	548,549	3,110,995	3,063,352	5.67	5.58
2007	13,407,062	766,259	3,221,482	3,205,121	4.20	4.18
2008	13,150,950	-256,112	3,217,027	3,045,433	-12.56	-11.89
2009	12,961,656	-189,294	2,580,249	2,761,737	-13.63	-14.59
2010	14,119,213	1,157,557	3,524,645	3,335,881	3.04	2.88
2011	14,312,200	192,987	3,382,866	3,346,945	17.53	17.34
2012	14,686,917	374,717	3,304,160	3,282,131	8.82	8.76
2013	15,230,739	543,822	3,360,196	3,378,731	6.18	6.21
2014	16,111,867	881,128	3,521,157	3,493,834	4.00	3.97
2015	16,770,671	658,804	3,513,112	3,493,267	5.33	5.30
2016	17,176,300	405,629	3,562,189	3,589,298	8.78	8.85
2017	17,501,181	324,881	3,543,176	3,584,358	10.91	11.03
2018	17,793,139	291,958	...	...	...	...

(1) Figures refer to previous year.

Source: See Table 3-1.

3-19a. Distribution of Personal Income by Household in Taiwan

Unit: %

Households divided into five groups of equal size	1976	1985	1990	1995	2000	2005	2006	2007	2008
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
1. Lowest fifth	8.91	8.37	7.45	7.30	7.07	6.66	6.66	6.76	6.64
2. Second fifth	13.64	13.59	13.22	12.96	12.82	12.43	12.37	12.36	12.37
3. Third fifth	17.48	17.52	17.51	17.37	17.47	17.42	17.42	17.31	17.43
4. Fourth fifth	22.71	22.88	23.22	23.38	23.41	23.32	23.51	23.16	23.40
5. Highest fifth	37.26	37.64	38.60	38.99	39.23	40.17	40.03	40.41	40.17
Ratio of highest fifth's income to lowest fifth's	4.18	4.50	5.18	5.34	5.55	6.04	6.01	5.98	6.05

Source: See Table 3-1.

3-20a. Changes in Household Expenditure in Taiwan

Unit: %

Item	1976	1985	1990	1995	2000	2005	2006	2006	2008
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
1. Food, beverages and tobacco	42.27	34.33	26.89	19.53	17.33	16.20	16.13	16.48	16.40
2. Clothing and footwear	7.20	5.92	5.97	4.63	3.85	3.41	3.37	3.27	3.18
3. Housing, utilities and other fuels	22.63	23.68	24.88	25.13	25.62	23.77	23.67	23.91	24.23
4. Furniture, home equipment, and home services	3.63	3.43	3.36	3.43	2.66	2.51	2.41	2.48	2.47
5. Medical care and health expenses	4.85	5.26	4.82	10.37	11.01	13.19	13.75	14.11	14.35
6. Transportation and communications	5.37	8.59	9.38	10.50	11.86	12.97	12.79	12.90	12.38
7. Recreation, culture and education	6.40	8.66	11.68	11.60	12.06	11.75	11.53	11.23	11.29
8. Restaurants and hotels	2.48	5.27	7.57	8.16	8.92	9.32	9.31	9.67	10.08
9. Others	5.16	4.86	5.44	6.66	6.69	6.88	7.03	5.95	5.62

Source: See Table 3-1.

3-19b. Distribution of Personal Income by Household in Taiwan (Continued)

Unit: %

Households divided into five groups of equal size	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
1. Lowest fifth	6.36	6.49	6.53	6.53	6.57	6.63	6.64	6.63	6.64
2. Second fifth	12.27	12.21	12.05	12.27	12.38	12.28	12.18	12.42	12.32
3. Third fifth	17.39	17.39	17.32	17.54	17.49	17.36	17.35	17.35	17.35
4. Fourth fifth	23.64	23.72	23.86	23.68	23.60	23.59	23.63	23.24	23.39
5. Highest fifth	40.34	40.19	40.25	39.98	39.96	40.13	40.21	40.36	40.29
Ratio of highest fifth's income to lowest fifth's	6.34	6.19	6.17	6.13	6.08	6.05	6.06	6.08	6.07

3-20b. Changes in Household Expenditure in Taiwan (Continued)

Unit: %

Item	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
1. Food, beverages and tobacco	16.68	16.64	16.22	16.54	16.30	15.87	15.88	15.76	15.60
2. Clothing and footwear	3.19	3.23	3.10	3.03	2.98	3.02	2.96	2.95	2.87
3. Housing, utilities and other fuels	24.30	24.57	24.39	24.36	24.27	24.46	24.64	24.22	23.90
4. Furniture, home equipment, and home services	2.53	2.48	2.49	2.50	2.46	2.44	2.45	2.43	2.55
5. Medical care and health expenses	14.45	14.39	14.62	14.55	14.67	14.87	15.05	15.33	15.25
6. Transportation and communications	12.73	12.52	13.00	13.02	13.37	13.12	12.67	12.65	12.87
7. Recreation, culture and education	11.04	11.01	10.39	10.01	9.73	9.58	9.64	9.38	9.55
8. Restaurants and hotels	9.37	9.71	10.16	10.58	10.57	11.08	11.27	11.83	12.00
9. Others	5.71	5.45	5.63	5.41	5.65	5.55	5.46	5.45	5.42

4. AGRICULTURE

4-1. Area of Cultivated Land

Unit: 1,000 ha.

Period	Area of Total Cultivated Land (A)	Paddy Field			Upland Field	Total Crop Area (B)	Multiple-Cropping Index (B/A x 100)
		Total	Double-Cropping Field	Single-Cropping Field			
1952	876	534	325	209	342	1,521	173.6
1955	873	533	333	200	340	1,508	172.7
1960	869	526	329	197	344	1,600	184.1
1965	890	537	337	199	353	1,680	188.8
1970	905	529	336	193	376	1,656	183.0
1975	917	516	342	174	401	1,659	180.9
1980	907	509	361	149	398	1,400	154.4
1985	888	495	346	148	393	1,257	141.6
1990	890	477	341	136	413	1,155	129.8
1994	872	461	329	132	411	1,035	118.7
1995	873	459	329	130	414	1,036	118.7
1996	872	456	328	128	416	998	114.4
1997	865	455	325	130	410	995	115.0
1998	859	451	323	128	408	963	112.1
1999	855	444	321	123	411	963	112.6
2000	851	442	317	125	409	904	106.2
2001	849	439	316	123	410	877	103.3
2002	847	435	314	121	412	850	100.4
2003	844	433	319	114	411	797	94.4
2004	836	428	329	99	408	737	88.2
2005	833	426	329	97	408	760	91.2
2006	830	424	328	95	406	751	90.5
2007	826	422	328	95	404	738	89.4
2008	822	421	328	93	402	726	88.3
2009	815	416	330	86	400	721	88.4
2010	813	411	322	88	402	697	85.7
2011	808	406	330	76	402	704	87.1
2012	803	399	326	73	403	695	86.6
2013	800	397	324	72	403	709	88.7
2014	800	393	318	75	404	719	89.9
2015	797	(2)	...	...	...	700	87.9
2016	794	...	...	...	...	736	92.7
2017	793	...	...	...	...	735	92.7
2018(1)	791	...	...	...	...	730	92.3

(1) Preliminary.

(2) following international practice, the COA offers data no longer categorizing into paddy field and upland field from 2015.

Source: The data are provided by the Council of Agriculture, R.O.C. (Taiwan).

4-2. Agricultural Population by Owner and Tenant

Unit: 1,000 persons

End of Year	Agricultural Population		Cultivating Farm Household							
	% of Total Population		All Self-owned	Part Self-owned	All Non-self-owned	Percentage (%)				
						All Self-owned	Part Self-owned	All Non-self-owned		
1955	...	...	4,603	2,708	1,084	811	58.8	23.5	17.6
1960	...	...	5,373	3,463	1,157	753	64.5	21.5	14.0
1965	...	...	5,739	3,837	1,179	722	66.9	20.5	12.6
1970	...	...	5,997	4,642	737	618	77.4	12.3	10.3
1975	5,785	35.8	5,598	4,572	540	486	81.7	9.6	8.7	
1980	5,389	30.3	5,288	4,353	556	379	82.3	10.5	7.2	
1985	4,685	24.3	4,146	3,384	496	266	81.6	12.0	6.4	
1990	4,289	21.1	4,262	3,609	371	282	84.7	8.7	6.6	
1994	3,716	19.0	3,963	3,287	525	151	82.9	13.2	3.8	
1995	7,923	18.5	3,902	3,321	385	196	85.1	9.9	5.0	
1996	3,716	17.4	3,688	3,180	340	168	86.2	9.2	4.6	
1997	3,721	17.3	3,693	3,190	338	165	86.4	9.2	4.5	
1998	3,728	17.0	3,699	3,192	343	165	86.3	9.3	4.5	
1999	3,747	17.0	3,724	3,213	343	167	86.3	9.2	4.5	
2000	3,669	16.5	3,648	3,060	395	194	83.9	10.8	5.3	
2001	3,783	16.9	3,761	3,105	464	192	82.6	12.3	5.1	
2002	3,782	16.9	3,760	3,124	451	185	83.1	12.0	4.9	
2003	3,528	15.7	3,506	2,993	369	144	85.4	10.5	4.1	
2004	3,393	15.0	3,373	2,854	390	129	84.6	11.6	3.8	
2005	3,400	15.0	3,382	2,966	261	155	87.7	7.7	4.6	
2006	3,233	14.2	3,216	2,795	267	154	86.9	8.3	4.8	
2007	3,050	13.3	3,033	2,612	327	94	86.1	10.8	3.1	
2008	3,028	13.2	3,012	2,591	314	107	86.0	10.4	3.5	
2009	2,984	13.0	2,968	2,523	336	108	85.0	11.3	3.7	
2010	2,962	12.8	2,940	2,550	236	154	86.7	8.0	5.2	
2011	2,944	12.7	2,922	2,524	252	146	86.4	8.6	5.0	
2012	2,931	12.6	2,916	2,479	334	103	85.0	11.5	3.5	
2013	2,989	12.9	2,974	2,546	320	108	85.6	10.8	3.6	
2014	3,015	12.9	3,002	2,495	378	129	83.1	12.6	4.3	
2015	2,698	11.6	2,520	2,174	206	140	86.3	8.2	5.6	
2016	2,818	12.0	2,791	2,210	460	121	79.2	16.5	4.3	
2017	2,778	11.9	2,749	2,190	436	123	79.7	15.9	4.5	

Source: See Table 4-1.

4-3. Cultivated Land, Agricultural Population and Employment

Period	Area of Cultivated Land (ha.)	Number of Farm Families (household)	Agricultural Population (1,000 persons)	Agricultural Employment (1,000 persons)	Area of Cultivated Land (ha.)		
					Per Farm Family	Per Capita on Farm	Per Agricultural Employment
1955	873,002	732,555	...	1,667	1.19	...	0.52
1960	869,223	785,592	...	1,742	1.11	...	0.50
1965	889,563	847,242	...	1,748	1.05	...	0.51
1970	905,263	880,274	...	1,681	1.03	...	0.54
1975	917,111	897,739	5,785	1,681	1.02	0.16	0.55
1980	907,353	891,115	5,389	1,277	1.02	0.17	0.71
1985	887,660	779,897	4,685	1,297	1.14	0.19	0.68
1990	890,090	859,772	4,289	1,064	1.04	0.21	0.84
1994	812,776	807,791	4,007	976	1.08	0.22	0.89
1995	873,378	792,125	3,930	954	1.10	0.22	0.92
1996	872,159	779,427	3,716	918	1.12	0.23	0.97
1997	864,817	780,246	3,721	878	1.11	0.23	0.98
1998	858,756	782,136	3,728	822	1.10	0.23	1.04
1999	855,073	787,407	3,747	776	1.09	0.23	1.10
2000	851,495	721,161	3,669	740	1.18	0.23	1.15
2001	848,743	745,812	3,783	706	1.17	0.23	1.20
2002	847,334	748,317	3,782	709	1.13	0.22	1.20
2003	844,097	755,454	3,528	696	1.12	0.24	1.21
2004	835,507	759,716	3,393	642	1.10	0.25	1.30
2005	833,176	767,316	3,400	591	1.09	0.25	1.41
2006	829,527	772,230	3,315	555	1.07	0.25	1.49
2007	825,947	772,977	3,232	543	1.07	0.26	1.52
2008	822,364	772,795	3,152	535	1.06	0.26	1.54
2009	815,462	775,816	3,075	543	1.05	0.27	1.50
2010	813,126	776,724	2,962	550	1.05	0.27	1.48
2011	808,294	775,496	2,907	542	1.04	0.28	1.49
2012	802,876	775,455	2,853	544	1.04	0.28	1.48
2013	799,830	774,963	2,800	544	1.03	0.29	1.47
2014	799,611	774,237	2,748	548	1.03	0.29	1.46
2015	796,618	775,258	2,698	555	1.03	0.30	1.44
2016	794,003	775,472	2,818	557	1.02	0.28	1.43
2017	793,027	775,310	2,778	557	1.02	0.29	1.42
2018(1)	790,680	...	...	561	...	...	1.41

See (1) of Table 4-1.

Source: See Table 4-1.

4-4. Indices of Agricultural Production

Period	Index (2016=100)					Annual Growth Rate (%)				
	General Index	Agri-culture	Forestry	Fisheries	Livestock	General Index	Agri-culture	Forestry	Fisheries	Livestock
1955	31.57	68.78	1,800.36	19.73	9.31	2.87	-0.46	1.23	17.65	3.67
1960	39.36	82.96	2,926.02	26.89	11.93	0.64	1.41	3.17	4.88	-3.71
1965	51.72	106.48	4,406.82	36.59	16.20	6.62	6.62	2.54	2.06	7.43
1970	65.28	118.86	4,281.42	62.90	25.62	6.89	4.46	5.86	8.73	9.86
1975	73.80	124.81	3,333.08	85.47	29.61	-1.39	-2.98	-9.15	9.66	-5.43
1980	95.95	131.07	2,357.04	117.53	53.06	1.06	-2.15	-10.01	1.50	5.91
1985	106.51	126.93	2,061.45	131.14	72.69	3.06	0.77	-9.97	4.28	6.82
1990	118.77	120.83	829.82	165.86	93.18	2.23	-4.44	-14.44	6.24	7.55
1994	120.91	122.41	369.56	138.72	114.65	-3.06	-3.51	-24.51	-11.81	5.66
1995	125.43	124.87	431.36	144.52	120.41	3.74	2.01	16.72	4.18	5.02
1996	125.62	124.52	355.36	137.76	125.28	0.15	-0.28	-17.62	-4.68	4.04
1997	123.99	126.51	399.70	140.45	115.96	-1.30	1.60	12.48	1.95	-7.44
1998	117.18	116.05	506.28	140.60	107.39	-5.49	-8.27	26.66	0.11	-7.39
1999	118.52	123.93	425.50	137.68	103.50	1.14	6.79	-15.96	-2.08	-3.62
2000	121.13	118.13	419.78	150.53	109.39	2.20	-4.68	-1.34	9.33	5.69
2001	119.65	113.02	347.58	153.07	109.73	-1.22	-4.33	-17.20	1.69	0.31
2002	124.56	119.24	387.73	165.52	107.68	4.10	5.50	11.55	8.13	-1.87
2003	124.74	116.09	422.24	177.24	105.53	0.14	-2.64	8.90	7.08	-2.00
2004	119.47	110.34	421.47	164.61	105.39	-4.22	-4.95	-0.18	-7.13	-0.13
2005	112.61	99.87	329.62	161.24	102.28	-5.74	-9.49	-21.79	-2.05	-2.95
2006	113.45	109.30	367.10	138.66	104.91	0.75	9.44	11.37	-14.00	2.57
2007	110.73	102.22	251.54	146.62	102.36	-2.40	-6.48	-31.48	5.74	-2.43
2008	105.12	101.63	232.71	126.67	97.79	-5.07	-0.58	-7.49	-13.61	-4.46
2009	103.26	102.60	236.57	115.31	97.41	-1.77	0.95	1.66	-8.97	-0.39
2010	105.47	105.36	217.25	117.37	98.71	2.14	2.69	-8.17	1.79	1.33
2011	109.39	111.87	214.50	115.71	102.00	3.72	6.18	-1.27	-1.41	3.33
2012	107.49	107.25	222.22	118.82	100.55	-1.74	-4.13	3.60	2.69	-1.42
2013	106.25	106.72	241.48	117.32	98.59	-1.15	-0.49	8.67	-1.26	-1.95
2014	107.41	110.15	207.19	116.20	98.70	1.09	3.21	-14.20	-0.95	0.11
2015	103.77	105.12	125.57	110.48	98.14	-3.39	-4.57	-39.39	-4.92	-0.57
2016	100.00	100.00	100.00	100.00	100.00	-3.63	-4.87	-20.36	-9.49	1.90
2017	105.70	109.65	84.90	105.18	99.67	5.70	9.65	-15.10	5.18	-0.33
2018(1)	107.38	113.14	59.97	98.82	102.66	1.59	3.18	-29.36	-6.05	3.00

See (1) of Table 4-1.

Source: See Table 4-1.

4-5a. Area and Output of Principal Crops

Period	Rice (Brown)			Sweet Potatoes			Wheat		
	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Ha.
	1,000 ha.	1,000 m.t.	kg.	1,000 ha.	1,000 m.t.	kg.	1,000 ha.	m.t.	kg.
1955	(1) 780.7	1,615	2,151	(1) 245.5	2,437	9,928	(1) 12.8	19,304	1,503
1960	(1) 766.4	1,912	2,495	(1) 235.4	2,979	12,654	(1) 25.2	45,574	1,808
1965	(1) 772.9	2,348	3,038	234.1	3,131	13,377	11.1	23,492	2,113
1970	(1) 776.1	2,463	3,173	228.7	3,441	15,043	2.0	3,664	1,829
1975	(1) 790.2	2,494	3,156	156.7	2,403	15,337	1.3	3,042	2,401
1980	637.4	2,354	3,692	62.3	1,055	16,949	1.1	2,839	2,496
1985	563.7	2,174	3,856	23.2	369	15,899	1.1	2,125	2,018
1990	454.3	1,807	3,977	11.7	200	16,952	1.1	2,932	2,703
1994	366.3	1,679	4,583	10.2	181	17,917	1.4	4,440	3,249
1995	363.5	1,687	4,640	10.6	196	18,438	1.3	4,429	3,367
1996	347.8	1,577	4,536	10.5	204	19,421	0.1	193	3,367
1997	364.2	1,663	4,565	10.7	208	19,501	0.0	85	4,269
1998	357.7	1,489	4,164	9.7	187	19,292	0.0	66	3,667
1999	353.1	1,559	4,414	10.0	218	21,940	0.0	88	4,608
2000	339.6	1,540	4,535	9.3	198	21,314	0.0	127	3,510
2001	331.6	1,396	4,210	9.3	189	20,402	0.1	234	3,426
2002	306.8	1,461	4,760	8.8	191	21,714	0.1	262	3,617
2003	272.1	1,338	4,918	9.0	200	22,201	0.1	264	3,503
2004	237.0	1,165	4,914	8.2	175	21,453	0.1	238	3,221
2005	269.0	1,188	4,414	10.2	214	20,918	0.1	196	3,156
2006	263.2	1,262	4,794	10.6	235	22,165	0.1	271	4,018
2007	260.1	1,098	4,222	9.6	200	20,784	0.1	296	4,239
2008	252.3	1,178	4,670	10.3	213	20,761	0.1	292	4,418
2009	254.6	1,277	5,014	10.7	229	21,424	0.1	364	4,472
2010 (2)	243.9	1,168	4,789	9.6	209	21,846	1.9	5,178	2,741
2011	254.3	1,348	5,301	9.1	206	22,652	1.9	4,034	2,163
2012	260.8	1,368	5,247	9.6	221	23,066	2.1	6,859	3,344
2013	270.2	1,275	4,721	9.7	215	22,270	2.1	4,127	1,990
2014	271.1	1,399	5,163	10.1	235	23,190	2.2	6,811	3,085
2015	251.9	1,260	5,004	10	230	23,477	3.1	7,335	2,354
2016	273.8	1,264	4,616	11	242	22,893	2.3	3,638	1,552
2017	274.7	1,396	5,083	10.3	242	23,477	2.4	5,379	2,249
2018	271.5	1,562	5,752	9.8	236	24,172	2.5	6,096	2,409

(1) Planted area.

(2) Including Kinmen and Matsu since 2010.

Source: See Table 4-1.

4-5b. Area and Output of Principal Crops (Continued)

Period	Soybeans			Peanuts			Tea		
	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Ha.
	1,000 ha.	m.t.	kg.	1,000 ha.	m.t.	kg.	1,000 ha.	m.t.	kg.
1955	(1) 34.5	24,151	700	(1) 96.0	66,572	693	42.8	14,680	343
1960	(1) 59.7	52,653	882	(1) 100.5	102,167	1,017	45.7	17,365	380
1965	53.2	65,709	1,236	103.6	125,817	1,214	34.6	20,730	599
1970	42.7	65,174	1,525	87.5	122,198	1,397	33.3	27,648	831
1975	41.4	61,920	1,495	64.1	91,470	1,427	31.4	26,092	830
1980	15.3	25,934	1,692	53.3	86,126	1,617	27.1	24,479	902
1985	7.1	12,211	1,717	52.9	89,105	1,683	24.3	23,203	954
1990	4.2	8,140	1,945	34.4	64,980	1,892	22.7	22,299	983
1994	5.7	12,005	2,110	35.2	80,583	2,289	19.7	24,485	1,243
1995	3.8	8,894	2,313	39.2	92,225	2,355	19.9	20,892	1,048
1996	5.0	9,693	1,921	34.0	79,918	2,353	20.0	23,321	1,169
1997	2.0	4,722	2,382	33.3	84,185	2,529	19.6	23,505	1,198
1998	0.7	1,463	2,136	30.0	68,325	2,274	19.3	22,641	1,173
1999	0.2	352	2,169	26.5	67,155	2,535	19.1	21,119	1,103
2000	0.2	294	1,912	29.6	79,128	2,670	19.7	20,349	1,033
2001	0.2	328	1,954	25.2	56,087	2,228	17.9	19,837	1,108
2002	0.2	368	2,184	25.4	77,455	3,050	18.3	20,345	1,110
2003	0.2	341	2,195	25.3	73,462	2,908	18.2	20,675	1,138
2004	0.1	280	2,081	21.8	68,302	3,135	17.5	20,192	1,156
2005	0.1	213	2,128	22.1	53,948	2,438	17.1	18,803	1,102
2006	0.1	187	2,202	24.5	71,561	2,918	16.7	19,345	1,156
2007	0.1	147	2,160	23.1	51,885	2,239	15.7	17,502	1,115
2008	0.1	141	1,906	22.5	55,075	2,445	15.2	17,384	1,146
2009	0.1	220	1,785	21.8	56,941	2,617	14.9	16,780	1,128
2010 (2)	0.1	204	1,766	20.9	65,036	3,109	14.5	17,467	1,202
2011	0.1	105	1,919	23.4	68,231	2,920	14.1	17,310	1,228
2012	0.1	159	2,001	19.4	56,845	2,926	13.3	14,902	1,120
2013	0.5	879	1,873	18.6	46,809	2,515	11.8	14,718	1,245
2014	0.7	1,173	1,755	21.6	68,513	3,165	11.8	15,200	1,290
2015	1.6	2,725	1,653	20.7	62,083	2,993	11.6	14,405	1,240
2016	2.1	3,061	1,454	21.4	61,832	2,885	11.6	13,018	1,122
2017	3.2	4,674	1,469	21.6	63,287	2,931	11.4	13,443	1,179
2018	3.0	4,404	1,457	21.2	59,471	2,808	11.7	14,738	1,264

4-5c. Area and Output of Principal Crops (Continued)

Period	Bananas			Pineapples			Citrus Fruits		
	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Ha.
	1,000 ha.	m.t.	kg.	1,000 ha.	m.t.	kg.	1,000 ha.	m.t.	kg.
1955	10.7	84,677	7,934	5.7	70,537	12,437	5.2	30,235	5,763
1960	12.7	114,216	8,987	9.7	166,730	17,108	8.1	52,866	6,527
1965	27.4	460,094	16,765	11.1	231,005	20,829	14.7	114,434	7,788
1970	39.0	461,829	11,838	12.8	338,191	26,525	22.0	209,115	9,514
1975	10.8	196,585	18,165	12.2	318,978	26,251	33.0	347,778	10,549
1980	9.3	214,323	23,125	7.4	228,804	31,121	32.7	374,383	11,450
1985	8.3	198,596	23,950	4.7	149,745	32,024	32.9	418,863	12,731
1990	9.5	201,440	21,311	6.1	234,629	38,497	41.5	528,941	12,752
1994	8.2	184,287	22,355	6.5	252,234	38,943	38.4	467,980	12,199
1995	7.9	172,633	21,932	6.3	256,421	40,614	34.6	472,409	13,671
1996	6.5	140,997	21,663	6.3	274,113	43,197	34.2	463,022	13,538
1997	8.8	204,736	23,267	6.7	300,686	44,633	35.2	494,701	14,069
1998	9.3	215,639	23,140	7.2	316,057	43,837	35.0	481,703	13,776
1999	9.0	212,531	23,718	7.3	348,450	47,474	33.5	486,475	14,522
2000	8.8	198,455	22,464	8.0	357,535	44,960	31.7	440,382	13,888
2001	9.0	204,724	22,830	8.6	388,691	45,144	32.7	463,473	14,188
2002	9.6	226,521	23,663	9.1	416,280	45,717	32.4	459,574	14,193
2003	9.6	223,061	23,316	9.9	447,807	45,350	31.8	529,080	16,656
2004	9.2	189,900	20,754	10.4	458,499	44,175	32.0	547,814	17,121
2005	8.8	148,715	16,808	10.7	439,872	41,213	32.2	471,563	14,624
2006	10.1	214,277	21,214	10.9	491,588	44,909	32.4	548,991	16,953
2009	11.1	241,729	21,629	11.4	476,811	41,930	32.1	473,074	14,744
2008	11.1	207,702	18,703	10.6	452,060	42,595	32.3	563,914	17,453
2009	11.4	172,550	15,104	10.1	434,769	43,256	29.4	539,854	18,357
2010 (2)	13.5	287,895	21,399	9.0	420,172	46,545	27.8	529,689	19,041
2011	13.3	305,740	23,062	8.3	401,367	48,569	26.3	556,944	21,153
2012	12.9	295,265	22,805	8.2	392,211	47,878	25.8	528,255	20,510
2013	13.0	291,292	22,334	8.7	413,465	47,757	25.6	506,131	19,786
2014	13.3	299,900	22,565	9.0	456,243	50,976	25.3	542,788	21,435
2015	14.1	274,066	19,447	9.5	493,998	52,153	25.5	469,504	18,399
2016	15.7	257,559	16,408	10.4	527,161	50,789	26.0	462,638	17,796
2017	15.8	356,017	22,527	10.5	553,531	52,765	25.8	533,806	20,688
2018	15.4	356,238	23,061	8.4	432,084	51,270	25.3	524,091	20,709

4-5d. Area and Output of Principal Crops (Continued)

Period	Sugarcane (3)						
	Harvested Area	Production	Yield Per Ha.	Refined Sugar		Brown Sugar	
				Production	Yield Per Ha.	Production	Yield Per Ha.
	1,000 ha.	1,000 m.t.	kg.	m.t.	kg.	m.t.	kg.
1955	77.9	6,089	78,121	733,160	10,490	14,833	5,273
1960	95.5	6,736	70,505	774,376	8,374	17,808	5,791
1965	110.7	9,490	85,730	1,005,547	9,533	33,698	6,465
1970	86.2	5,991	69,460	588,286	7,123	23,677	6,467
1975	99.2	7,687	77,487	715,823	7,510	23,040	5,920
1980	107.2	8,851	82,569	829,639	7,911	16,186	6,953
1985	82.6	6,823	75,086	662,030	8,150	9,301	6,663
1990	65.5	5,581	85,270	475,348	7,326	3,735	6,553
1994	60.1	5,275	87,738	467,782	7,783	86	3,440
1995	58.1	4,661	80,197	408,093	7,021	...	...
1996	52.1	4,190	81,211	391,544	7,520	...	...
1997	47.8	3,902	81,673	347,683	7,277	...	...
1998	45.3	3,560	78,610	311,699	6,883	...	...
1999	40.0	3,256	81,337	276,409	6,910	...	...
2000	37.0	2,894	78,299	259,471	7,021	...	...
2001	31.6	2,180	68,916	188,862	5,970	...	...
2002	27.3	1,973	72,203	171,964	6,293	...	...
2003	22.8	1,696	74,501	151,043	6,636	...	...
2004	14.1	1,129	80,032	103,867	7,360	...	...
2005	10.6	875	82,616	75,439	7,119	...	...
2006	10.3	651	63,502	55,008	5,366	...	...
2007	9.5	721	72,731	63,142	6,378	...	...
2008	9.8	707	72,122	58,858	6,003	...	...
2009	9.5	613	64,510	50,235	5,285	...	...
2010 (2)	9.2	665	72,101	55,076	5,968	...	...
2011	8.7	654	74,936	51,921	5,949	...	...
2012	8.3	548	65,986	44,684	5,376	...	...
2013	8.1	506	62,528	43,352	5,362	...	...
2014	7.4	503	67,547	47,696	6,409	...	...
2015	8.8	618	70,543	53,683	6,125	...	...
2016	8.9	527	58,898	37,455	4,187	...	...
2017	7.6	455	59,996	33,635	4,434	...	...
2018	8.5	579	67,986	48,334	5,678	...	...

(3) Crop year.

4-5c. Area and Output of Principal Crops (Continued)

Period	Asparagus			Mushrooms			Watermelons		
	Harvested Area	Production	Yield Per Ha.	Harvested Area	Production	Yield Per Sq.m.	Harvested Area	Production	Yield Per Ha.
	ha.	m.t.	kg.	1,000 sq.m.	m.t.	kg.	ha.	m.t.	kg.
1955	...	...	...	...	...	...	(1) 3,695	24,772	6,703
1960	...	...	...	...	...	...	(1) 6,240	48,315	7,742
1965	(1) 9,533	16,776	1,760	8,565	32,430	3.79	(1) 7,317	77,329	10,569
1970	(1) 12,588	112,331	8,924	8,290	39,021	4.71	(1) 13,715	225,843	16,469
1975	17,384	80,113	4,607	5,906	48,802	8.26	(1) 12,907	210,897	16,339
1980	12,428	112,871	9,082	7,945	76,159	9.61	(1) 19,923	341,410	17,136
1985	9,903	62,068	6,268	4,318	59,853	13.86	19,575	284,521	14,535
1990	3,190	17,924	5,619	1,478	19,780	13.39	19,045	255,371	13,409
1994	1,471	7,423	5,051	548	7,136	13.02	18,851	296,491	15,730
1995	1,420	7,617	5,364	490	5,945	12.13	18,363	307,743	16,757
1996	1,523	7,560	4,971	622	8,387	13.50	19,429	338,401	17,420
1997	1,564	7,308	4,672	601	7,222	12.01	18,735	300,004	16,010
1998	1,484	6,344	4,273	498	6,035	12.12	19,034	310,643	16,322
1999	1,538	7,457	4,838	395	4,805	12.18	19,420	382,286	19,685
2000	1,562	7,901	5,050	339	4,315	12.73	17,357	354,856	20,446
2001	1,538	7,365	4,790	403	4,933	12.24	16,842	330,082	19,599
2002	1,430	6,954	4,864	436	5,217	11.97	19,757	434,289	21,982
2003	1,253	6,325	5,046	408	4,883	11.97	15,727	335,919	21,360
2004	1,149	5,900	5,133	458	5,643	12.33	14,700	314,945	21,425
2005	1,055	4,635	4,410	418	5,117	12.24	12,448	212,488	17,273
2006	871	4,413	5,066	380	4,663	12.27	12,346	236,322	19,142
2009	733	3,141	4,286	352	4,304	12.23	13,483	220,773	16,375
2008	685	2,667	3,893	332	3,951	11.88	12,456	203,275	16,320
2009	635	2,479	3,907	325	3,898	12.00	11,799	217,619	18,444
2010 (2)	576	2,657	4,614	257	3,149	12.27	11,604	225,925	19,469
2011	585	3,056	5,220	297	4,097	13.79	11,693	246,643	21,094
2012	614	3,340	5,438	268	3,439	12.83	11,871	243,067	20,475
2013	608	3,328	5,475	242	2,921	12.08	10,748	212,690	19,788
2014	577	3,243	5,622	249	3,110	12.47	10,545	211,330	20,041
2015	575	3,014	5,241	359	4,820	13.42	10,888	217,466	19,974
2016	443	2,021	4,561	372	4,958	13.33	10,717	201,133	18,768
2017	458	2,556	5,585	367	4,945	13.47	10,421	210,661	20,216
2018	469	2,582	5,507	414	5,054	12.20	10,591	220,846	20,852

4-6 Allocations of Various Kinds of Chemical Fertilizer

Unit: m.t.

Period	Total	Ammonium Sulphate	Calcium Ammonium Nitrate	Urea	Calcium Super-phosphate	Potassium Chloride	Potassium Sulphate	Compound	Others
1955	562,560	284,238	16	537	110,756	32,064	2,518	...	132,431
1960	664,872	315,342	39,428	17,295	132,774	45,673	4,955	...	109,405
1965	797,446	363,264	47,309	93,715	181,025	51,001	5,139	3,200	52,793
1970	678,581	333,689	36,650	63,974	138,435	53,859	7,843	37,268	6,863
1975	1,240,827	523,361	26,914	151,403	275,450	93,047	56	169,956	640
1980	1,359,808	566,619	23,000	178,126	271,962	88,235	-	231,456	410
1985	1,309,872	486,379	34,116	177,304	201,190	94,254	4,435	309,925	1,743
1990	1,358,860	367,112	16,845	198,121	215,524	63,692	5,443	483,839	13,727
1994	1,376,652	343,602	15,585	183,914	163,655	53,751	8,345	601,407	14,738
1995	1,382,139	342,137	16,469	205,923	172,936	56,858	6,232	575,883	11,933
1996	1,391,665	324,612	16,425	205,577	149,429	59,411	6,428	625,980	10,231
1997	1,203,163	272,703	15,037	182,367	122,766	63,518	8,292	534,509	12,263
1998	1,195,734	257,658	10,514	173,169	131,999	66,340	7,254	540,741	15,313
1999	1,213,310	299,556	15,577	161,544	122,598	62,507	6,777	543,246	8,282
2000	1,257,699	334,657	17,197	178,367	137,792	61,621	9,199	518,813	9,252
2001	1,294,910	341,877	17,300	128,509	164,316	58,300	10,548	570,688	13,920
2002	1,248,294	323,116	17,684	127,158	143,076	50,775	10,400	565,892	20,593
2003	1,143,355	186,731	6,630	112,438	135,470	38,702	10,526	624,439	27,940
2004	1,195,465	232,652	6,836	113,914	117,192	43,180	7,714	646,088	35,603
2005	1,141,483	240,192	6,360	84,968	105,458	29,833	7,012	636,019	31,641
2006	1,159,310	218,215	8,606	81,093	120,807	31,842	9,398	677,338	11,844
2007	1,137,444	226,243	6,691	78,358	113,453	30,969	10,280	659,178	11,799
2008	1,030,819	185,123	2,591	77,478	85,924	27,629	1,499	627,140	6,330
2009	1,041,031	195,301	1,019	75,636	76,868	30,244	3,981	652,013	5,969
2010	1,030,819	180,802	523	73,420	74,283	30,210	5,609	661,124	4,848
2011	1,008,025	158,733	438	71,966	68,614	30,909	5,771	653,388	18,206
2012	1,010,607	144,802	264	74,931	63,284	27,565	5,831	679,091	14,839
2013	999,808	122,277	166	61,856	56,679	26,796	7,739	713,367	10,928
2014	972,277	126,619	176	54,399	46,740	19,346	2,604	707,584	14,810
2015	959,623	108,013	252	51,211	36,248	15,940	3,545	710,494	33,920
2016	979,215	102,071	365	45,995	34,432	15,486	3,283	746,995	30,589
2017	920,965	108,317	728	42,861	31,773	14,557	7,750	690,054	24,925
2018	917,417	102,598	1,053	40,524	29,773	14,202	6,273	688,326	34,668

Source: See Table 4-1.

4-7. Forest Areas and Reserves

Period	Forest Areas (1,000 ha.)				Forest Reserves			
	Total	Conifers	Conifer- Hardwood Mix	Hardwoods and Bamboo	Trees (1,000 m ³)			Bamboo (1,000 poles)
					Total	Conifers	Hardwoods(1)	
1955	1,768	179	263	1,326	199,603	68,428	131,175	513,039
1960	2,097	413	55	1,629	238,913	98,988	139,926	459,025
1965	2,164	432	55	1,677	239,288	97,432	141,856	459,025
1970	2,224	449	55	1,720	240,872	96,745	144,127	459,025
1975	2,224	449	55	1,720	240,872	96,745	144,127	459,025
1980	1,865	417	158	1,291	326,421	124,550	201,871	1,168,713
1985	1,865	417	158	1,291	326,421	124,550	201,871	1,168,713
1990	1,865	417	158	1,291	326,421	124,550	201,871	1,168,713
1994	2,102	439	393	1,271	358,239	125,428	232,811	1,127,831
1995	2,102	439	393	1,271	358,239	125,428	232,811	1,127,831
1996	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
1997	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
1998	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
1999	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2000	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2001	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2002	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2003	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2004	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2005	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2006	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2009	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2008	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2009	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2010 (2)	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2011	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2012	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2013	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2014	2,102	439	395	1,267	357,492	125,428	232,064	1,108,921
2015	2,197	300	172	1,725	502,034	128,659	373,375	1,581,332
2016	2,197	300	172	1,725	502,034	128,659	373,375	1,581,332
2017	2,197	300	172	1,725	502,034	128,659	373,375	1,581,332
2018	2,197	300	172	1,725	502,034	128,659	373,375	1,581,332

(1) Since 1980, Hardwoods have included conifer-hardwood mix.

(2) See (2) of Table 4-5a.

Source: See Table 4-1.

4-8. Forestry Production

Period	Saw-timber (m ³)(1)			Firewood (m ³)	Bamboo (1,000 pcs.)	Millwood of Industry (m ³)
	Total	Conifers	Hardwoods			
1955	480,954	295,841	185,113	135,474	7,583	...
1960	822,326	483,246	339,080	173,807	11,636	...
1965	1,116,915	779,030	337,885	198,951	13,742	...
1970	1,111,156	729,008	382,148	242,458	13,784	90,329
1975	854,731	543,441	311,290	248,329	11,003	104,592
1980	582,663	355,627	227,036	86,071	10,292	42,293
1985	474,584	295,889	178,695	62,394	6,856	90,607
1990	113,830	66,744	47,086	25,966	5,796	30,988
1994	37,821	29,954	7,867	3,136	1,850	3,343
1995	35,603	31,522	4,081	12,044	2,157	5,173
1996	36,118	33,066	3,051	6,145	2,163	3,661
1997	32,778	30,038	2,739	4,667	1,233	6,626
1998	29,154	26,015	3,139	5,043	1,426	5,888
1999	23,332	18,359	4,973	4,299	1,717	4,082
2000	21,134	16,189	4,945	4,760	1,550	896
2001	26,401	13,919	12,482	5,953	594	1,727
2002	31,074	14,470	16,605	3,957	868	297
2003	26,098	19,508	6,590	14,995	665	55
2004	30,372	16,561	13,810	9,642	574	27
2005	31,389	19,759	11,629	12,675	673	53
2006	26,979	16,135	10,844	9,224	544	31
2007	26,441	20,880	5,562	7,186	825	1,533
2010 (2)	25,135	20,297	4,838	6,059	2,430	37
2009	25,176	18,947	6,229	2,624	3,251	90
2010 (2)	19,131	10,598	8,533	296	3,261	41
2011	23,273	17,652	5,620	740	1,881	200
2012	24,898	21,341	3,557	2,542	1,742	40
2013	26,785	21,253	5,532	8,123	1,512	15
2014	37,899	33,167	4,732	4,189	2,384	80
2015	29,870	26,055	3,815	7,762	2,390	6
2016	24,768	19,706	5,062	7,142	1,801	51
2017	20,591	16,752	3,840	4,825	1,169	95
2018	21,876	17,337	4,540	5,831	552	680

(1) Prior to 1991 (including 1991), saw-timber of industry was measured in metric tons.

(2) See (2) of Table 4-5a.

Source: See Table 4-1.

4-9. Fisheries Production

Unit: m.t.

Period	Total	Far-sea Fisheries	Offshore Fisheries	Coastal Fisheries	Marine Aquaculture	Inland Water Fisheries	Inland Aquaculture
1955	180,618	36,413	46,744	49,890	7,257	1,876	38,440
1960	259,140	85,210	91,170	31,761	7,839	1,969	41,191
1965	381,688	135,949	156,566	33,688	10,683	1,326	43,478
1970	613,152	275,971	232,541	30,338	17,891	1,578	54,833
1975	779,950	326,707	293,259	29,540	31,314	2,868	96,263
1980	936,334	350,424	370,905	37,296	29,988	2,701	145,020
1985	1,037,721	413,693	316,417	54,467	36,067	2,409	214,668
1990	1,455,495	766,985	292,391	48,362	36,507	3,494	307,756
1994	1,255,273	683,780	242,272	39,800	33,185	1,456	254,780
1995	1,296,865	709,543	255,981	43,496	33,230	1,211	253,404
1996	1,239,635	668,979	256,654	41,033	34,889	444	237,636
1997	1,363,989	748,256	247,575	40,576	31,354	412	238,835
1998	1,348,152	839,190	209,721	43,609	26,033	467	229,132
1999	1,363,989	854,667	205,645	39,911	24,035	580	239,151
2000	1,357,351	886,859	169,520	44,016	28,282	557	228,117
2001	1,316,904	795,622	158,969	48,923	26,763	609	286,018
2002	1,405,092	823,534	185,030	49,251	28,729	608	317,939
2003	1,498,983	877,663	192,681	63,430	34,386	475	330,348
2004	1,286,010	706,818	196,820	56,070	37,094	255	288,952
2005	1,312,852	752,118	200,730	52,779	34,746	207	272,270
2006	1,282,279	757,896	154,015	54,226	34,411	155	281,575
2007	1,502,375	988,617	134,619	54,110	34,888	241	289,899
2008	1,339,291	828,427	132,594	47,366	37,765	198	292,940
2009	1,087,814	614,614	145,596	45,732	26,760	132	254,980
2010	1,167,080	688,288	128,289	34,731	41,410	77	274,286
2011	1,222,655	702,133	163,579	28,117	38,098	69	290,660
2012	1,256,082	726,775	148,279	33,027	30,390	66	317,543
2013	1,274,282	772,714	125,021	27,566	31,706	29	317,246
2014	1,409,807	899,035	139,929	29,408	29,287	30	312,118
2015	1,299,799	825,023	135,301	25,325	24,737	103	289,311
2016	1,003,861	584,135	138,120	26,215	25,267	88	230,036
2017	1,026,496	556,412	157,727	26,681	26,799	2,624	256,253
2018(1)	1,088,434	621,226	155,089	25,081	24,738	3,738	258,562

(1)The data in 2018 indicates preliminary version.

Source: See Table 4-0.

4-10a. Livestock Production

Unit: head

Period	Cattle		Hogs			Goats	
	Number at Year-End	Number Slaughtered	Number at Year-End	Number Born	Number Slaughtered	Number at Year-End	Number Slaughtered
1955	412,018	17,116	2,799,369	2,081,959	1,770,957	126,856	20,781
1960	420,573	19,459	3,164,571	2,369,051	2,139,633	132,422	29,441
1965	376,745	28,485	2,935,503	2,983,004	2,694,925	156,793	38,430
1970	284,677	54,093	2,900,725	4,251,869	4,319,801	167,727	45,570
1975	249,329	21,408	3,314,823	4,907,420	4,224,657	191,434	49,083
1980	133,813	32,530	4,820,201	6,754,536	7,750,098	183,602	22,088
1985	143,204	24,172	6,673,983	10,986,431	10,380,258	231,159	22,548
1990	154,238	27,328	8,565,250	13,856,175	12,121,873	172,593	24,155
1994	164,270	28,829	10,065,552	15,596,885	13,860,000	310,283	121,881
1995	164,825	33,961	10,508,502	16,975,316	14,180,000	318,404	179,591
1996	163,114	33,168	10,698,366	16,821,874	14,310,000	309,129	222,060
1997	166,393	32,770	7,966,887	12,919,492	11,400,000	315,216	225,781
1998	165,399	29,377	6,538,596	9,153,615	9,800,000	273,217	202,721
1999	165,248	25,840	7,243,194	9,851,753	8,980,000	237,295	183,869
2000	161,700	24,505	7,494,954	10,731,976	9,990,000	202,491	169,365
2001	152,507	25,286	7,164,605	11,301,063	10,420,000	184,717	148,658
2002	149,459	26,517	6,793,941	10,540,165	10,060,000	161,858	139,815
2003	148,870	27,617	6,778,799	10,273,138	9,460,000	155,565	128,851
2004	145,023	25,589	6,818,970	11,894,736	9,410,000	249,362	122,533
2005	137,942	30,226	7,171,536	11,981,992	9,499,457	263,542	133,017
2006	134,793	28,119	7,068,621	11,851,784	9,624,662	267,383	159,060
2007	137,127	27,389	6,620,790	11,614,256	9,418,921	249,374	138,807
2008	140,002	28,404	6,427,597	9,429,539	8,727,229	229,523	129,192
2009	133,713	30,483	6,130,003	9,394,096	8,745,585	206,401	117,161
2010 (1)	140,002	31,701	6,185,952	9,443,562	8,575,777	204,854	105,575
2011	144,312	30,831	6,265,546	9,303,747	8,786,528	190,440	92,582
2012	146,186	30,923	6,004,717	9,400,220	8,965,036	167,103	90,129
2013	147,398	33,449	5,806,237	(2)...	8,720,858	160,850	74,499
2014	145,739	34,357	5,545,010	...	8,067,477	157,778	71,962
2015	149,379	34,360	5,496,216	...	8,229,635	156,045	71,927
2016	146,030	34,074	5,442,381	...	8,144,235	146,000	67,892
2017	147,152	35,121	5,432,676	...	7,947,275	144,733	67,007
2018	150,346	35,278	5,447,283	...	8,073,454	141,533	62,872

(1) See (2) of Table 4-5a.

(2) Since 2013, the COA has no longer provided the estimated number of new born piglets.

Source: See Table 4-1.

4-10b. Livestock Production (Continued)

Period	Dairy Cattle		Chickens		Ducks		Chicken Eggs (1,000 pieces)	Duck Eggs (1,000 pieces)
	Number at Year-End (head)	Milk (m.t.)	Number at Year-End (1,000 head)	Number Slaughtered (1,000 head)	Number at Year-End (1,000 head)	Number Slaughtered (1,000 head)		
1955	839	1,857	6,513	13,026	3,323	6,647	128,577	166,169
1960	1,916	4,689	7,650	15,300	3,822	7,643	193,100	191,084
1965	3,716	13,650	9,868	19,737	5,378	10,756	235,714	367,042
1970	4,430	16,123	14,822	29,644	6,798	13,597	574,961	463,518
1975	14,035	46,189	24,756	56,044	7,716	18,599	980,332	478,756
1980	11,045	47,740	41,394	104,685	9,928	27,585	2,023,649	475,522
1985	22,752	87,879	59,313	154,686	10,211	31,894	3,344,729	453,247
1990	46,342	203,830	76,979	226,556	10,624	39,900	4,032,185	422,464
1994	58,812	289,574	97,827	301,914	12,843	40,886	5,200,777	472,555
1995	66,377	317,806	101,838	319,820	13,084	42,580	5,718,590	517,945
1996	62,846	315,927	110,535	345,509	12,977	41,759	6,139,072	538,845
1997	65,284	330,469	117,565	389,966	11,863	41,156	7,104,433	531,669
1998	66,514	338,368	120,510	389,524	11,513	35,719	7,157,707	520,188
1999	66,175	338,005	121,512	385,563	11,649	35,208	7,274,451	485,629
2000	66,140	358,049	117,885	389,770	10,624	34,099	7,270,033	478,452
2001	65,125	345,970	117,310	376,196	10,104	32,142	7,325,125	481,789
2002	64,517	357,804	118,846	377,522	10,124	31,012	7,069,644	472,326
2003	59,467	354,421	113,048	371,420	10,111	31,040	7,018,647	477,041
2004	54,615	322,715	108,444	377,959	9,768	32,247	6,998,992	417,126
2005	53,151	303,496	105,018	337,632	11,769	33,596	6,314,144	487,549
2006	52,269	323,165	109,633	346,153	11,912	37,740	6,620,415	466,232
2007	53,107	322,220	103,499	333,504	11,000	36,862	6,659,584	507,328
2008	55,296	315,559	100,298	322,182	9,177	31,730	6,469,671	483,878
2009	53,170	321,781	100,770	329,151	9,319	29,246	6,431,571	442,355
2010(1)	55,296	336,036	98,988	327,244	9,474	30,301	6,728,450	483,822
2011	57,196	350,894	96,851	350,120	9,403	30,515	6,680,044	469,955
2012	59,145	348,489	91,598	324,521	8,879	28,952	6,770,183	466,748
2013	60,500	358,146	91,070	307,487	8,511	33,955	6,806,570	449,192
2014	60,103	363,145	94,523	326,298	8,720	38,332	6,879,329	433,968
2015	61,859	375,499	90,975	321,139	8,120	35,061	6,962,024	436,875
2016	59,601	378,488	94,647	340,754	7,383	36,184	7,339,753	447,931
2017	60,523	386,362	96,001	335,214	7,925	37,719	7,503,058	440,915
2018	61,967	419,342	100,995	353,047	8,977	37,073	7,312,003	469,907

4-11a. Changes in Agricultural Exports and Imports by Product Category

A. Exports

Item	Quantity (m.t.)			Value (US\$ 1,000)		
	2018	2017	Change (%)	2018	2017	Change (%)
Total	2,083,568	2,011,421	3.6	5,463,332	4,980,778	9.7
Cereals & Their Prep.	170,697	120,695	41.4	415,410	362,080	14.7
Oil Seeds & Flours	3,219	3,530	-8.8	4,103	4,262	-3.7
Vegetables & Their Prep.	95,134	79,790	19.2	163,147	150,439	8.4
Fruits, Nuts & Their Prep.	132,267	115,927	14.1	268,413	225,302	19.1
Flower & Flower Seeds	26,287	25,435	3.4	209,720	195,034	7.5
Sugar & Their Prep.	29,154	25,095	16.2	76,204	63,451	20.1
Tea	9,557	8,720	9.6	110,987	90,646	22.4
Tobacco & Their Prep.	8,843	6,830	29.5	109,884	81,052	35.6
Wine	20,235	20,351	-0.6	110,562	96,166	15.0
Others	715,212	703,271	1.7	1,124,816	965,191	16.5
Livestock Products	151,599	147,056	3.1	845,606	851,773	-0.7
Livestock, Poultry, Meats & Offal	5,240	5,789	-9.5	21,632	19,783	9.3
Dairy Products	7,155	7,582	-5.6	44,120	39,877	10.6
Feather	13,732	9,928	38.3	242,930	192,796	26.0
Wool & Other Animal Hair	1,968	2,509	-21.6	31,805	34,943	-9.0
Hides, Skins & Their Prep.	49,516	57,200	-13.4	360,082	428,493	-16.0
Others	73,988	64,048	15.5	145,037	135,880	6.7
Fishery Products	681,513	707,244	-3.6	1,930,695	1,803,508	7.1
Fishes & Their Prep.	634,938	627,897	1.1	1,724,034	1,599,377	7.8
Crustacea & Their Prep.	2,405	2,753	-12.6	42,025	35,447	18.6
Mollusea & Their Prep.	35,080	68,078	-48.5	117,896	129,439	-8.9
Fish Meal for Feed	5,859	5,800	1.0	15,549	16,028	-3.0
Others	3,231	2,715	19.0	31,192	23,218	34.3
Forest Products	39,849	47,478	-16.1	93,785	91,875	2.1
Woods & Their Prep.	37,965	45,092	-15.8	90,670	86,771	4.5
Bamboo	1,144	1,136	0.7	1,423	1,038	37.1
Others	740	1,250	-40.8	1,692	4,066	-58.4

Source: See Table 4-1.

4-11b. Changes in Agricultural Exports and Imports by Product Category (Continued)

B. Imports

Item	Quantity (m.t.)			Value (US\$ 1,000)		
	2018	2017	Change (%)	2018	2017	Change (%)
Total	18,227,593	18,373,945	-0.8	15,790,877	15,190,523	4.0
Cereals & Their Prep.	5,906,090	6,362,754	-7.2	1,788,701	1,776,984	0.7
Oil Seeds & Flours	2,690,020	2,610,315	3.1	1,154,715	1,148,878	0.5
Vegetables & Their Prep.	518,581	576,034	-10.0	416,769	445,589	-6.5
Fruits, Nuts & Their Prep.	427,621	485,064	-11.8	1,048,753	1,122,217	-6.5
Flower & Flower Seeds	9,581	10,535	-9.1	24,015	23,312	3.0
Sugar & Their Prep.	1,221,093	1,023,311	19.3	485,516	502,183	-3.3
Tea	33,952	32,019	6.0	93,590	87,012	7.6
Tobacco & Their Prep.	31,085	30,143	3.1	322,119	329,365	-2.2
Wine	333,592	338,044	-1.3	1,216,265	1,185,278	2.6
Others	2,014,726	2,013,828	0.0	2,642,314	2,474,245	6.8
Livestock Products	1,134,148	1,049,310	8.1	3,425,972	3,163,814	8.3
Livestock, Poultry, Meats & Offal	448,705	379,638	18.2	1,550,148	1,351,141	14.7
Dairy Products	220,345	215,943	2.0	742,031	726,957	2.1
Feather	16,164	15,506	4.2	174,506	155,098	12.5
Wool & Other Animal Hair	4,593	4,662	-1.5	54,394	40,611	33.9
Hides, Skins & Their Prep.	127,327	126,670	0.5	220,921	277,108	-20.3
Others	317,014	306,892	3.3	683,971	612,899	11.6
Fishery Products	509,455	483,100	5.5	1,710,757	1,543,937	10.8
Fishes & Their Prep.	187,246	176,096	6.3	653,853	573,219	14.1
Crustacea & Their Prep.	60,384	58,799	2.7	435,727	405,672	7.4
Mollusea & Their Prep.	65,647	64,187	2.3	284,209	247,331	14.9
Fish Meal for Feed	156,586	148,050	5.8	216,176	190,395	13.5
Others	39,591	35,967	10.1	120,792	127,320	-5.1
Forest Products	3,397,648	3,359,487	1.1	1,461,392	1,387,710	5.3
Woods & Their Prep.	3,233,419	3,178,145	1.7	1,280,922	1,149,534	11.4
Bamboo	8,055	7,808	3.2	1,924	1,980	-2.8
Others	156,175	173,534	-10.0	178,546	236,197	-24.4

5. INDUSTRY

5-1. Principal Mineral Reserves
End of 2018

Ore	Locality	Unit	Reserves
Coal	Keelung, New Taipei, Taoyuan, Hsinchu, Miaoli, Nantou, Chiayi	1,000 m.t.	102,647
Gold	Ruifang, Jinguashi (New Taipei)	1,000 m.t.	5,800
Copper	Ruifang, Jinguashi (New Taipei), Qimei (Hualien)	1,000 m.t.	4,700
Pyrites	Qixingshan (Taipei), Jinguashi (New Taipei), Tananao (Yilan), Tongmen (Hualien)	1,000 m.t.	1,770
Placer Magnetite	Jinshan, Tansui (New Taipei), Chuwei (Taoyuan), Chiayi	m.t.	106,000
Limonite	Taoyuan, Hsinchu, Taichung, Qixingshan (Taipei)	m.t.	754,000
Manganese	Simaoshan (Yilan)	m.t.	300,000
Ilmenite (10%)	Tainan, Chiayi, Hsinchu, Taoyuan, New Taipei	m.t.	573,000
Zircon Ore (40%)	Tainan, Chiayi, Hsinchu	m.t.	71,500
Monazite (2%)	Tainan, Chiayi, Hsinchu	m.t.	45,000
Sulphur	Qixingshan (Taipei), Jinshan (New Taipei), Beitou (Taipei)	1,000 m.t.	896
Asbestos	Fengtian (Hualien)	m.t.	52,300
Dolomite	Hualien	1,000 m.t.	109,471
Marble	Yilan, Hualien, Taitung	million m.t.	296,942
Talc	Yilan, Hualien	1,000 m.t.	1,862
Bauxite	Taoyuan, Hsinchu, Taichung	1,000 m.t.	5,000
Limestone	Yilan, Hualien, Taitung, Kaohsiung, Tainan, Hsinchu	1,000 m.t.	326,725
Petroleum	Miaoli, Hsinchu, Bazhangxi, Chiayi, Shinying, Tainan	1,000 kl	206
Natural Gas	Miaoli, Hsinchu, Bazhangxi, Chiayi, Shinying, Tainan	million m3	3,595

Source: The data are provided by the Ministry of Economic Affairs, R.O.C.

5-2. Indices and Growth Rate of Industrial Production

Period	Indices (2016 = 100)					Annual Growth Rate (%)				
	General Index	Mining	Manufacturing	Electricity & Gas	Water	General Index	Mining	Manufacturing	Electricity & Gas	Water
1997	45.40	237.50	43.82	63.74	80.96	7.1	-0.05	7.2	6.4	2.6
1998	46.98	222.92	45.21	68.92	85.35	3.5	-6.1	3.2	8.1	5.4
1999	50.45	205.04	48.73	71.18	88.97	7.4	-8.0	7.8	3.3	4.2
2000	54.35	187.72	52.55	75.85	101.48	7.7	-8.5	7.8	6.6	14.1
2001	49.84	189.11	47.81	76.41	103.68	-8.3	0.7	-9.0	0.7	2.2
2002	54.08	205.10	52.09	80.05	98.30	8.5	8.5	9.0	4.8	-5.2
2003	59.00	190.51	57.06	83.48	100.45	9.1	-7.1	9.5	4.3	2.2
2004	64.55	183.14	62.75	86.28	100.17	9.4	-3.9	10.0	3.4	-0.3
2005	66.56	165.87	64.75	89.93	100.68	3.1	-9.4	3.2	4.2	0.5
2006	69.55	157.59	67.74	92.17	103.53	4.5	-5.0	4.6	2.5	2.8
2007	75.11	130.84	73.38	94.88	103.81	8.0	-17.0	8.3	2.9	0.3
2008	74.41	124.88	72.73	93.06	101.95	-0.9	-4.6	-0.9	-1.9	-1.8
2009	68.73	112.73	67.06	90.57	99.65	-7.6	-9.7	-7.8	-2.7	-2.3
2010	87.72	140.64	86.99	94.68	100.98	27.6	24.8	29.7	4.5	1.3
2011	90.01	131.07	89.37	96.21	101.18	2.6	-6.8	2.7	1.6	0.2
2012	90.46	127.63	89.87	96.24	100.58	0.5	-2.6	0.6	0.0	-0.6
2013	93.36	117.07	92.93	97.61	101.29	3.2	-8.3	3.4	1.4	0.7
2014	99.34	118.44	99.28	99.08	101.82	6.4	1.2	6.8	1.5	0.5
2015	98.07	110.70	98.13	96.68	99.50	-1.3	-6.5	-1.2	-2.4	-2.3
2016	100.00	100.00	100.00	100.00	100.00	2.0	-9.7	1.9	3.4	0.5
2017	105.00	98.00	105.27	102.22	101.30	5.0	-2.0	5.3	2.2	1.3
2018	108.83	94.42	109.41	102.62	101.39	3.7	-3.7	3.9	0.4	0.1

Source: See Table 5-1.

5-3a. Indices of Industrial Production by Sectors

Period	Manufacturing Index	Food	Beverages	Tobacco	Textiles Mills	Wearing Apparel & Clothing Accessories	Wood & Bamboo Products	Non-metallic Mineral Products	Furniture	Manufacturing Not Elsewhere Classified
I. Index (Base: 2016 = 100)										
2000	52.55	95.09	105.66	77.38	162.20	521.36	206.33	111.59	186.27	79.82
2005	64.75	90.56	79.92	63.25	119.41	239.33	126.52	112.72	96.87	73.07
2007	73.38	89.11	81.24	62.88	115.09	194.89	109.84	108.59	100.65	71.73
2008	72.73	86.28	81.54	64.51	103.34	161.86	97.89	100.48	93.78	70.52
2009	67.06	86.25	86.96	68.03	92.12	129.13	80.85	87.05	75.95	63.38
2010	86.99	92.59	95.88	70.34	106.84	140.11	89.33	101.48	90.81	74.42
2011	89.37	93.55	103.52	78.28	99.36	119.67	94.83	109.47	90.45	74.79
2012	89.87	93.95	107.39	82.63	98.54	115.78	94.72	104.54	96.14	78.41
2013	92.93	95.20	101.49	82.11	101.88	115.84	96.30	109.97	93.79	82.87
2014	99.28	95.47	102.60	81.37	103.59	114.11	103.61	112.12	98.34	91.06
2015	98.13	96.36	101.57	81.04	104.74	105.97	100.88	108.57	100.28	94.56
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	105.27	100.57	102.81	119.06	97.84	89.27	103.34	97.49	99.96	112.04
2018	109.41	102.15	99.27	116.03	94.79	81.29	107.43	100.52	100.24	126.64
II. Annual Growth Rate (%)										
2001	-9.0	0.1	-0.5	5.5	-11.4	-23.7	-8.0	-8.3	-31.5	-13.8
2005	3.2	1.6	1.6	5.7	-12.5	-16.0	-9.7	-1.4	-4.0	-0.2
2007	8.3	-1.2	-0.2	5.6	-0.4	-9.9	-10.0	-1.9	4.0	3.3
2008	-0.9	-3.2	0.4	2.6	-10.2	-17.0	-10.9	-7.5	-6.8	-1.7
2009	-7.8	0.0	6.7	5.5	-10.9	-20.2	-17.4	-13.4	-19.0	-10.1
2010	29.7	7.4	10.3	3.4	16.0	8.5	10.5	16.6	19.6	17.4
2011	2.7	1.0	8.0	11.3	-7.0	-14.6	6.2	7.9	-0.4	0.5
2012	0.6	0.4	3.7	5.6	-0.8	-3.3	-0.1	-4.5	6.3	4.8
2013	3.4	1.3	-5.5	-0.6	3.4	0.1	1.7	5.2	-2.4	5.7
2014	6.8	0.3	1.1	-0.9	1.7	-1.5	7.6	2.0	4.9	9.9
2015	-1.2	0.9	-1.0	-0.4	1.1	-7.1	-2.6	-3.2	2.0	3.8
2016	1.9	3.8	-1.6	23.4	-4.5	-5.6	-0.9	-7.9	-0.3	5.8
2017	5.3	0.6	2.8	19.1	-2.2	-10.7	3.3	-2.5	0.0	12.0
2018	3.9	1.6	-3.4	-2.5	-3.1	-8.9	4.0	3.1	0.3	13.0

Source: See Table 5-1.

5-3b. Indices of Industrial Production by Sectors (Continued)

Period	Basic Metals	Fabricated Metal Products	Electrical Equipment	Machinery & Equipment	Motor Vehicles & Parts	Other Transport Equipment & Parts	Repair & Installation of Industrial Machinery	Electronic Parts & Components	Computers, Electronic & Optical Products
I. Index (Base: 2016 = 100)									
2000	80.06	108.87	128.62	75.67	80.13	73.95	-	18.03	49.50
2005	83.96	97.67	117.97	90.06	114.22	90.69	-	33.41	58.96
2007	92.69	98.34	102.40	103.00	88.31	95.49	67.75	51.04	59.55
2008	85.44	94.86	96.71	97.11	73.07	105.22	63.29	55.86	61.91
2009	74.65	74.21	81.10	66.24	71.07	77.15	58.15	54.59	52.42
2010	95.74	91.91	98.18	103.52	92.79	85.14	71.56	76.65	80.86
2011	99.56	99.11	92.94	109.94	101.12	90.80	78.14	76.75	109.64
2012	95.36	99.49	92.40	103.34	98.64	95.71	76.41	81.06	91.37
2013	99.19	101.49	91.65	99.03	95.01	98.26	72.93	86.89	92.12
2014	102.75	105.99	96.33	107.52	107.16	105.76	78.43	96.75	101.83
2015	96.01	101.40	98.19	106.11	103.91	105.76	86.83	95.55	104.13
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	102.73	100.03	97.94	110.86	100.38	105.72	116.28	108.20	104.49
2018	105.08	100.43	100.47	119.98	94.60	107.30	129.13	113.97	116.50
II. Annual Growth Rate (%)									
2001	-9.3	-14.6	-16.6	-16.9	-15.8	-15.8	-	-19.5	0.5
2005	-5.1	-3.3	-6.6	4.1	2.3	10.0	-	24.5	-0.2
2007	1.5	-0.6	-6.7	9.4	-5.7	11.6	4.1	23.1	8.2
2008	-7.8	-3.5	-5.6	-5.7	-17.3	10.2	-6.6	9.4	4.0
2009	-12.6	-21.8	-16.1	-31.8	-2.7	-26.7	-8.1	-2.3	-15.3
2010	28.3	23.9	21.1	56.3	30.6	10.4	23.1	40.4	54.3
2011	4.0	7.8	-5.3	6.2	9.0	6.7	9.2	0.1	35.6
2012	-4.2	0.4	-0.6	-6.0	-2.5	5.4	-2.2	5.6	-16.7
2013	4.0	2.0	-0.8	-4.2	-3.7	2.7	-4.6	7.2	0.8
2014	3.6	4.4	5.1	8.6	12.8	7.6	7.5	11.4	10.5
2015	-6.6	-4.3	1.9	-1.3	-3.0	0.0	10.7	-1.2	2.3
2016	4.2	-1.4	1.8	-5.8	-3.8	-5.5	15.2	4.7	-4.0
2017	2.7	0.0	-2.1	10.9	0.4	5.7	16.3	8.2	4.5
2018	2.3	0.4	2.6	8.2	-5.8	1.5	11.1	5.3	11.5

5-3c. Indices of Industrial Production by Sectors (Continued)

Period	Leather, Fur & Related Products	Pulp, Paper & Paper Products	Printing & Reproduction of Recorded Media	Petroleum & Coal Products	Chemical Materials	Chemical Products	Pharmaceuticals & Medicinal Chemical Products	Rubber Products	Plastic Products
I. Index (Base: 2016 = 100)									
2000	381.56	93.97	82.71	64.00	59.87	72.36	66.92	90.75	121.45
2005	295.40	101.41	115.78	116.39	81.24	75.51	70.88	102.75	114.86
2007	233.00	99.76	113.77	111.72	93.40	78.30	74.26	104.40	108.39
2008	207.96	94.52	114.24	102.01	87.07	76.33	75.97	101.99	99.28
2009	183.05	89.73	103.16	102.59	93.06	71.54	81.04	84.65	85.76
2010	200.33	96.30	113.42	98.39	104.84	87.47	86.79	107.99	98.73
2011	178.18	96.90	114.60	91.15	99.42	87.84	88.19	110.07	100.37
2012	164.78	97.59	108.18	97.39	98.90	87.67	93.27	104.29	99.97
2013	160.19	98.32	106.00	98.73	100.13	94.89	96.14	102.29	100.14
2014	159.60	100.83	104.16	98.77	100.41	99.65	92.03	106.97	105.15
2015	122.11	98.91	101.74	98.99	99.80	101.52	95.51	106.41	101.96
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	103.83	100.22	96.97	95.20	102.67	107.98	99.12	102.79	101.95
2018	97.44	101.32	95.28	97.95	104.56	110.94	102.40	99.38	104.01
II. Annual Growth Rate (%)									
2001	-20.1	-8.4	-2.3	14.4	7.8	-10.7	-3.9	-10.0	-8.1
2005	-4.5	-1.5	8.6	3.8	-0.2	-0.9	-1.1	-4.3	-5.1
2007	-9.8	1.9	0.6	1.6	12.7	0.1	4.6	4.9	0.0
2008	-10.8	-5.3	0.4	-8.7	-6.8	-2.5	2.3	-2.3	-8.4
2009	-12.0	-5.1	-9.7	0.6	6.9	-6.3	6.7	-17.0	-13.6
2010	9.4	7.3	10.0	-4.1	12.7	22.3	7.1	27.6	15.1
2011	-11.1	0.6	1.0	-7.4	-5.2	0.4	1.6	1.9	1.7
2012	-7.5	0.7	-5.6	6.9	-0.5	-0.2	5.8	-5.3	-0.4
2013	-2.8	0.8	-2.0	1.4	1.2	8.2	3.1	-1.9	0.2
2014	-0.4	2.6	-1.7	0.0	0.3	5.0	-4.3	4.6	5.0
2015	-23.5	-1.9	-2.3	0.2	-0.6	1.9	3.8	-0.5	-3.0
2016	-18.1	1.1	-1.7	1.0	0.2	-1.5	4.7	-6.0	-1.9
2017	3.8	0.2	-3.0	-4.8	2.7	8.0	-0.9	2.8	2.0
2018	-6.2	1.1	-1.7	2.9	1.8	2.7	3.3	-3.3	2.0

5-4a. Output of Principal Industrial Products

Period	Electric Power	Wheat Flour	Diode	Plastic Cases	Paper	Cement	Bicycles	Motorcycles	Polyester Filament	Polystyrene
	million kWh	MT	1,000 pcs.	NT\$M	MT	1,000 MT	sets	sets	MT	MT
1952	1,420	16,026	-	-	-	446	-	-	-	-
1955	1,966	133,362	-	-	-	590	-	-	-	-
1960	3,628	189,819	-	-	-	1,183	-	-	-	-
1965	6,455	256,557	-	-	-	2,511	-	56,046	-	-
1970	13,213	330,414	-	-	-	4,541	-	131,124	-	-
1975	22,894	425,919	-	-	-	6,795	-	319,260	-	-
1980	40,813	416,069	-	-	-	14,062	-	723,612	-	-
1985	52,553	519,991	2,663,704	5,426	446,672	14,418	8,101,186	655,570	374,588	138,151
1990	86,129	621,624	5,496,343	10,912	679,442	18,458	8,184,704	1,055,297	675,693	290,931
1995	126,988	711,259	8,926,073	15,363	895,633	22,478	8,039,142	1,695,064	1,248,582	671,459
1996	135,042	707,930	8,720,424	18,397	789,563	21,537	7,824,108	1,414,219	1,297,760	807,759
1997	143,154	761,551	9,734,479	18,111	906,593	21,522	7,672,312	1,510,394	1,429,010	780,368
1998	155,434	745,886	9,005,441	18,046	910,552	19,652	9,042,851	1,268,969	1,614,849	764,224
1999	160,764	738,221	10,525,938	17,652	913,817	18,283	7,228,259	1,138,978	1,671,322	764,647
2000	174,572	785,492	12,756,607	17,627	888,707	17,572	7,193,194	1,123,163	1,632,139	710,862
2001	177,786	784,254	7,888,726	14,902	803,556	18,128	4,746,535	871,696	1,584,080	865,953
2002	187,111	781,230	9,152,832	17,176	845,594	19,363	4,674,604	848,701	1,716,498	847,959
2003	197,041	798,050	11,511,421	19,638	835,018	18,474	4,615,954	1,138,457	1,617,519	858,104
2004	205,696	796,735	14,832,892	22,219	837,179	19,050	4,873,782	1,219,313	1,584,981	817,390
2005	214,250	801,643	16,184,990	21,523	846,945	19,891	4,823,159	1,226,601	1,314,180	830,251
2006	222,087	784,320	19,843,786	19,006	862,963	19,294	4,388,872	1,168,451	1,233,042	740,561
2007	229,154	811,021	21,935,531	18,265	878,173	18,957	5,094,873	1,194,644	1,263,495	846,257
2008	225,283	708,516	22,819,239	19,632	795,042	17,330	6,107,204	1,301,662	1,035,991	690,178
2009	217,483	793,745	15,401,246	15,664	760,973	15,918	4,764,632	805,509	1,024,843	807,874
2010	233,499	796,902	23,105,281	21,574	770,189	16,301	5,112,059	838,148	1,081,200	912,076
2011	238,632	766,285	24,381,314	29,134	747,967	16,852	4,522,943	927,787	943,585	877,165
2012	237,346	819,224	21,031,053	30,902	724,072	15,794	4,504,989	888,213	954,634	862,963
2013	239,171	837,826	19,909,876	25,687	673,042	16,576	3,979,278	906,756	953,000	888,972
2014	246,961	837,299	22,915,959	20,963	672,157	14,629	3,758,078	941,202	951,154	836,254
2015	243,006	862,546	22,228,491	20,315	581,603	13,445	3,838,009	879,085	942,805	875,422
2016	249,126	901,948	22,541,215	18,614	506,371	12,126	2,697,906	972,295	889,552	892,030
2017	254,958	882,726	26,001,822	15,614	483,688	10,876	1,994,256	1,071,404	821,922	847,707
2018	257,898	894,664	27,662,164	16,152	477,309	10,939	1,893,996	856,228	826,504	842,581

Source: See Table 5-1.

5-4b. Output of Principal Industrial Products (Continued)

Period	TFT-LCD Panels	Portable Computers	Network Cards	Global Positioning Systems	IC Packages	IC Substrate	Foundry Wafers	Computer Disks	Printed Circuit Boards
	1000 sets	sets	pcs.	sets	1,000 pcs.	1,000 pcs.	1,000 pcs.	1,000 pcs.	1000 sq. ft.
1952	-	-	-	-	-	-	-	-	-
1955	-	-	-	-	-	-	-	-	-
1960	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	1,380,340	-	-	-	15,105
1990	-	217,233	-	-	4,105,441	-	2,244	-	47,301
1995	-	2,269,530	5,298,920	-	6,561,889	-	4,478	13,319	164,104
1996	-	3,785,944	8,540,008	-	6,627,320	-	3,488	21,726	195,497
1997	-	4,669,065	18,373,984	-	8,739,880	-	4,124	76,579	257,560
1998	-	7,020,283	22,822,523	-	9,998,005	-	3,376	424,930	318,029
1999	-	9,952,710	29,387,118	1,298,456	10,617,009	130,016	4,762	2,291,457	367,093
2000	10,400	13,059,784	43,237,280	1,723,102	14,270,855	155,876	7,196	5,002,594	449,991
2001	23,184	14,130,083	44,174,941	1,363,856	9,106,568	202,203	6,188	7,001,310	382,152
2002	48,336	14,346,492	41,497,633	1,860,016	12,784,542	610,693	7,146	7,626,154	480,160
2003	57,280	10,344,208	31,381,776	3,309,852	16,799,798	1,166,064	8,680	9,246,060	562,183
2004	89,327	6,628,142	28,421,670	4,217,204	20,815,118	1,731,622	9,992	10,313,794	559,392
2005	160,886	4,415,887	26,872,056	5,776,703	22,646,129	1,920,772	10,248	10,411,874	641,844
2006	338,213	3,050,526	24,118,814	5,891,770	26,999,440	7,564,813	12,710	11,723,013	685,488
2007	542,240	1,256,527	11,398,721	17,678,830	31,664,833	9,488,503	14,521	11,176,108	622,180
2008	535,223	754,260	7,683,964	21,080,735	32,982,725	8,925,488	14,204	9,469,969	623,585
2009	811,286	373,964	8,998,386	20,294,667	34,784,004	8,761,148	12,886	9,279,881	611,639
2010	1,366,273	327,551	9,890,107	20,658,859	47,453,569	12,223,855	18,611	8,859,285	789,779
2011	1,613,502	3,197,828	6,793,141	20,438,380	48,949,008	12,942,209	17,313	7,523,793	773,741
2012	1,781,733	750,066	6,525,655	18,143,225	54,583,491	12,850,298	17,643	6,898,188	878,630
2013	1,728,669	458,223	4,289,822	13,547,271	60,508,050	13,107,796	18,836	6,551,642	730,412
2014	1,415,069	878,258	3,793,273	12,283,579	68,307,755	14,610,986	21,032	6,331,905	721,207
2015	1,173,922	626,521	3,323,192	10,375,293	69,224,518	12,792,281	21,261	5,070,654	681,512
2016	1,101,214	1,172,723	1,874,803	8,487,543	72,252,278	14,928,569	23,166	4,204,551	594,853
2017	1,282,649	1,747,492	2,211,476	7,420,337	80,166,047	15,854,658	25,468	3,348,123	731,337
2018	1,316,666	1,934,191	2,007,719	7,147,753	80,560,960	18,031,021	26,497	2,688,574	701,684

5-5a. Installed Capacity and Operation of the Power System (1)

Total System (Hydro, Thermal, Nuclear, Wind and Solar)

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
1952	331,545	231,675	156,975	50.8	4,594
1955	493,414	336,113	224,470	50.1	4,385
1960	709,191	635,224	413,019	58.1	5,104
1965	1,186,196	1,066,225	736,921	63.6	5,574
1970	2,720,261	2,131,400	1,508,300	61.4	5,377
1975	5,300,394	3,765,200	2,613,400	53.0	4,654
1980	9,055,705	6,702,700	4,646,292	55.3	4,904
1985	15,969,794	8,716,300	5,999,518	42.5	3,573
1990	16,882,874	14,510,500	9,400,651	58.4	4,936
1994	20,983,225	18,610,200	12,588,625	63.2	5,345
1995	21,897,970	19,932,900	13,454,251	63.7	5,372
1996	23,762,670	21,761,500	14,227,337	63.0	5,323
1997	25,735,412	22,237,000	15,096,765	62.2	5,200
1998	26,679,782	23,829,800	16,320,113	63.9	5,401
1999	28,480,432	24,205,700	16,639,433	61.4	5,173
2000	29,634,482	25,854,200	17,817,780	61.0	5,140
2001	30,136,062	26,289,800	18,043,197	60.1	5,045
2002	31,915,412	27,116,500	18,938,502	60.5	5,064
2003	33,289,562	28,593,700	19,841,358	60.9	5,090
2004	34,598,032	29,034,300	20,633,553	58.1	4,875
2005	36,121,604	30,942,900	21,651,023	60.7	5,086
2006	37,371,204	32,060,400	22,439,183	60.3	5,048
2007	38,081,524	32,790,800	23,042,916	60.3	5,051
2008	38,633,628	31,320,200	22,796,097	59.0	4,962
2009	40,247,048	31,010,700	22,101,056	55.0	4,610
2010	40,912,406	33,022,600	23,674,056	58.0	4,871
2011	41,400,699	33,786,900	24,319,881	59.2	4,981
2012	40,976,907	33,081,400	24,101,571	58.7	5,034
2013	41,181,457	33,957,400	24,364,007	58.9	5,035
2014	40,787,158	34,821,400	25,025,528	61.5	5,160
2015	41,036,658	35,248,400	25,011,855	61.7	5,199
2016	42,132,526	35,863,700	25,705,047	62.1	5,309
2017	41,883,040	36,258,768	26,378,564	62.8	5,300
2018	44,509,052	37,056,902	26,631,108	61.0	5,152

(1) Since 1999, including IPPs and hydro power plants entrusted by local government to Taipower for operation.

Source: The data are provided by the Taiwan Power Company, R.O.C.

5-5b. Installed Capacity and Operation of the Power System (Continued)

I. Hydro

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
1952	276,615	224,574	136,085	53.8	4,865
1955	351,365	318,940	174,780	50.6	4,436
1960	448,215	441,492	235,073	52.4	4,599
1965	628,470	524,052	295,165	47.0	4,114
1970	901,170	740,600	324,800	44.1	3,865
1975	1,364,970	1,416,000	597,500	43.7	3,791
1980	1,385,570	1,186,500	330,749	23.8	2,093
1985	2,489,165	1,832,900	787,734	36.7	3,204
1990	2,561,795	2,373,300	932,232	36.5	3,187
1994	3,648,485	3,475,300	1,012,002	29.3	2,556
1995	4,183,430	3,745,800	1,011,195	25.5	2,224
1996	4,288,430	3,758,400	1,027,072	24.2	2,121
1997	4,288,430	3,615,300	1,089,386	25.5	2,225
1998	4,421,900	3,782,600	1,208,175	28.0	2,345
1999	4,421,900	3,722,100	1,017,956	23.1	2,017
2000	4,421,900	3,126,600	1,006,758	22.8	2,000
2001	4,421,900	3,110,700	1,043,152	23.7	2,067
2002	4,510,650	2,109,700	725,789	16.3	1,419
2003	4,510,650	2,381,600	783,499	17.5	1,522
2004	4,509,670	2,228,900	742,729	16.5	1,446
2005	4,511,650	2,331,200	899,717	20.0	1,748
2006	4,511,650	2,405,500	909,834	20.2	1,767
2007	4,523,170	2,181,900	950,051	21.0	1,842
2008	4,539,874	2,324,184	806,736	17.9	1,563
2009	4,538,894	2,074,069	801,261	17.7	1,546
2010	4,579,364	2,067,100	823,741	18.2	1,586
2011	4,642,671	1,890,000	783,606	17.2	1,497
2012	4,683,271	2,249,700	975,899	21.1	1,843
2013	4,683,271	2,394,600	978,842	21.0	1,831
2014	4,683,271	2,241,000	845,120	18.1	1,581
2015	4,691,271	3,136,000	852,816	18.3	1,595
2016	4,691,271	3,188,700	1,120,842	23.9	2,093
2017	4,691,271	3,468,900	998,394	21.4	1,864
2018	4,693,467	2,820,300	890,787	19.1	1,663

5-5c. Installed Capacity and Operation of the Power System (Continued)

II. Thermal

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
1952	54,930	47,086	20,890	37.1	3,352
1955	142,049	110,496	49,690	48.1	4,209
1960	260,976	263,049	177,946	68.0	5,974
1965	557,726	567,672	441,756	83.4	7,307
1970	1,819,091	1,618,900	1,183,500	68.8	6,023
1975	3,935,424	2,928,700	2,015,900	56.5	4,951
1980	6,398,135	5,181,200	3,426,190	59.7	5,240
1985	8,336,629	4,986,500	2,067,315	28.3	2,343
1990	9,177,079	7,869,700	4,866,362	56.3	4,702
1994	12,190,740	10,851,400	7,754,663	67.0	5,659
1995	12,570,540	12,569,800	8,569,706	70.0	5,899
1996	14,330,240	13,225,100	9,063,976	67.3	5,668
1997	16,302,982	14,505,200	10,029,567	66.4	5,503
1998	17,113,882	15,534,900	11,069,949	67.8	5,696
1999	18,914,532	16,550,900	11,408,336	64.0	5,378
2000	20,068,582	18,413,000	12,599,222	63.3	5,312
2001	20,570,162	19,417,200	13,107,523	63.3	5,294
2002	22,258,362	20,482,000	12,912,670	63.2	5,268
2003	23,632,512	22,079,500	13,616,046	63.8	5,308
2004	24,939,562	23,343,500	14,090,752	59.5	4,980
2005	26,448,194	24,712,400	14,902,048	62.3	5,197
2006	27,617,994	25,595,700	15,773,162	61.6	5,143
2007	28,232,794	26,198,100	16,246,388	61.3	5,116
2008	28,703,794	25,165,794	16,261,305	59.9	5,018
2009	30,194,294	24,732,589	15,346,043	54.5	4,555
2010	30,717,054	26,741,100	17,078,765	58.5	4,901
2011	31,046,780	27,767,700	18,731,142	63.6	5,341
2012	30,448,780	26,415,000	18,513,280	62.6	5,272
2013	30,461,580	27,404,500	18,590,982	63.5	5,347
2014	29,889,580	28,066,500	19,294,645	66.3	5,582
2015	29,889,580	27,955,800	19,541,098	68.1	5,743
2016	30,687,274	29,118,300	20,599,469	70.9	5,997
2017	29,970,474	30,192,100	22,254,808	74.3	6,268
2018	32,261,994	30,437,300	21,901,726	71.1	5,992

5-5d. Installed Capacity and Operation of the Power System (Continued)

III. Nuclear

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
1977	636,000	284,000	10,435	9.8	862
1980	1,272,000	1,192,400	889,353	69.9	6,142
1985	5,144,000	4,238,500	3,144,469	67.9	5,707
1990	5,144,000	4,772,000	3,602,057	72.9	6,134
1994	5,144,000	4,878,000	3,821,960	77.4	6,509
1995	5,144,000	4,879,400	3,873,348	78.4	6,596
1996	5,144,000	4,918,100	4,136,288	83.6	7,063
1997	5,144,000	4,928,200	3,977,812	80.5	6,774
1998	5,144,000	4,901,000	4,041,989	81.8	6,883
1999	5,144,000	4,870,600	4,213,133	85.3	7,175
2000	5,144,000	4,951,000	4,211,800	85.2	7,912
2001	5,144,000	4,925,700	3,892,007	78.8	6,628
2002	5,144,000	4,879,500	4,338,960	87.8	7,389
2003	5,144,000	4,946,000	4,266,106	86.3	7,265
2004	5,144,000	4,946,000	4,319,063	87.4	7,375
2005	5,144,000	4,918,200	4,384,005	88.7	7,466
2006	5,144,000	4,951,200	4,374,042	88.5	7,449
2007	5,144,000	4,980,700	4,447,577	90.0	7,574
2008	5,144,000	4,974,230	4,469,542	90.4	7,632
2009	5,144,000	5,026,300	4,564,045	92.3	7,772
2010	5,144,000	5,028,400	4,569,466	92.4	7,782
2011	5,144,000	5,063,000	4,625,825	93.5	7,878
2012	5,144,000	5,076,300	4,427,059	89.5	7,560
2013	5,144,000	5,119,900	4,575,187	92.4	7,791
2014	5,144,000	5,142,200	4,657,655	94.1	7,932
2015	5,144,000	4,530,100	4,000,800	80.9	6,832
2016	5,144,000	4,517,900	3,477,295	70.1	5,922
2017	5,144,000	2,893,000	2,461,241	46.8	4,191
2018	4,508,000	3,851,700	3,042,971	54.5	5,236

5-5e. Installed Capacity and Operation of the Power System (Continued)

IV. Wind

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
2007	181,560	148,400	49,126	34.9	3,033
2008	245,960	295,344	68,577	29.1	2,555
2009	369,860	316,166	96,824	28.3	2,481
2010	471,460	451,800	116,650	28.5	2,492
2011	472,200	515,500	174,960	34.7	3,041
2012	566,560	557,700	169,572	31.0	2,719
2013	609,760	595,500	184,622	30.9	2,705
2014	632,760	589,200	169,691	27.0	2,369
2015	642,260	591,100	171,632	26.9	2,358
2016	677,660	597,800	164,678	24.8	2,180
2017	692,560	619,000	193,317	28.2	2,464
2018	701,861	639,600	187,612	27.4	2,368

V. Solar

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
2013	282,846	335,100	34,373	-	-
2014	437,547	352,600	58,416	-	-
2015	668,564	677,700	92,553	-	-
2016	931,218	847,100	121,594	-	-
2017	1,383,302	1,061,800	184,996	15.7	1,373
2018	2,342,202	1,610,400	303,878	16.3	1,425

IV. BioEnergy

Period	Installed Capacity (kW)	System Peak Load (kW)	System Average Load (kW)	Capacity Factor	Power Generation (kWh) per Installed kW
2016	1,103	2,800	306	-	-
2017	1,433	700	357	-	-
2018	1,498	800	658	-	-

5-6a. Power Generation and Consumption

Period	Power Generation								Power Consumption			Loss
	Total	Hydro	Thermal	Nuclear	Wind	Solar	BioEnergy	Geotherma	Total (1)	Industry	Residential & Commercial Customers	
I. Amount (million kWh)												
1952	1,420	1,231	189	-	-	-	-	-	1,076	817	259	344
1955	1,966	1,531	435	-	-	-	-	-	1,497	1,156	341	469
1960	3,628	2,065	1,563	-	-	-	-	-	3,136	2,545	591	492
1965	6,455	2,585	3,870	-	-	-	-	-	5,672	4,557	1,115	783
1970	13,213	2,846	10,367	-	-	-	-	-	11,964	9,242	2,722	1,197
1975	22,894	5,235	17,659	-	-	-	-	-	21,217	16,095	5,122	1,625
1980	40,813	2,905	30,096	7,812	-	-	-	-	37,947	28,816	9,131	2,786
1985	52,556	6,900	18,110	27,546	-	-	-	-	47,919	34,927	12,992	2,873
1990	82,350	8,167	42,629	31,554	-	-	-	-	74,345	51,841	22,504	5,355
1994	110,276	8,865	67,931	33,480	-	-	-	-	98,561	65,214	33,347	6,435
1995	117,859	8,858	75,071	33,930	-	-	-	-	105,368	68,931	36,437	6,848
1996	124,973	9,022	79,618	36,333	-	-	-	-	111,140	72,114	39,026	7,670
1997	132,248	9,543	87,859	34,846	-	-	-	-	118,299	78,238	40,061	7,820
1998	142,964	10,584	96,972	35,408	-	-	-	-	128,130	83,049	45,081	8,658
1999	145,761	8,917	99,937	36,907	-	-	-	-	131,726	86,844	44,882	8,622
2000	156,511	8,843	110,672	36,996	-	-	-	-	142,413	94,768	47,645	8,735
2001	158,058	9,138	114,820	34,094	6	-	-	-	143,623	94,807	48,816	8,610
2002	165,901	6,358	121,526	38,009	8	-	-	-	151,193	100,435	50,758	9,417
2003	173,810	6,863	129,566	37,371	10	-	-	-	159,380	106,043	53,336	8,751
2004	181,245	6,524	136,769	37,939	13	-	-	-	167,478	113,293	54,185	8,937
2005	189,663	7,885	143,295	38,404	79	-	-	-	175,293	117,648	57,645	9,036
2006	196,567	7,970	150,014	38,317	267	-	-	-	181,593	123,598	57,996	9,539
2007	201,856	8,322	154,142	38,960	430	-	-	-	187,075	128,226	58,848	9,590
2008	200,241	7,742	152,636	39,260	602	0.38	-	-	186,931	128,644	58,288	9,171
2009	193,605	7,019	145,756	39,981	848	1.18	-	-	179,239	121,348	57,890	9,418
2010	207,385	7,216	159,112	40,029	1,022	6.25	-	-	193,313	134,135	59,179	9,669
2011	213,042	6,864	164,085	40,522	1,533	38.10	-	-	198,637	138,161	60,476	10,149
2012	211,708	8,572	162,621	38,887	1,490	138.46	-	-	198,391	139,134	59,256	9,360
2013	213,429	8,575	162,857	40,079	1,617	301.11	-	-	201,945	142,529	59,416	9,081
2014	219,224	7,403	169,021	40,801	1,486	511.72	-	-	205,956	144,579	61,377	8,960
2015	219,104	7,471	174,175	35,143	1,503	810.76	1.35	-	206,491	145,302	61,189	8,146
2016	225,793	9,819	182,996	30,461	1,447	1,068.08	2.69	-	212,531	148,697	63,835	8,685
2017	231,076	8,746	197,453	21,560	1,693	1,620.56	3.13	-	217,213	153,116	64,097	8,827
2018	233,289	7,803	194,518	26,656	1,643	2,661.97	5.76	0.001	219,108	155,640	63,468	9,200

(1) Excluding Taipower use in consumption since 1970.

Source: See Table 5-5a.

5-6b. Power Generation and Consumption (Continued)

Period	Power Generation								Power Consumption			Loss of total power generation (%)
	Total	Hydro	Thermal	Nuclear	Wind	Solar	BioEnergy	Geotherma	Total	Industry	Residential & Commercial Customers	
II. Percentage (%)												
1952	100.0	86.7	13.3	-	-	-	-	-	100.0	75.9	24.1	24.2
1955	100.0	77.9	22.1	-	-	-	-	-	100.0	77.3	22.7	23.9
1960	100.0	56.9	43.1	-	-	-	-	-	100.0	81.2	18.8	13.6
1965	100.0	40.1	59.9	-	-	-	-	-	100.0	80.3	19.7	12.1
1970	100.0	21.5	78.5	-	-	-	-	-	100.0	77.2	22.8	9.1
1975	100.0	22.9	77.1	-	-	-	-	-	100.0	75.9	24.1	7.1
1980	100.0	7.1	73.7	19.2	-	-	-	-	100.0	75.9	24.1	6.8
1985	100.0	13.1	34.5	52.4	-	-	-	-	100.0	72.9	27.1	5.5
1990	100.0	9.9	51.8	38.3	-	-	-	-	100.0	69.7	30.3	6.5
1994	100.0	8.0	61.6	30.4	-	-	-	-	100.0	66.2	33.8	6.0
1995	100.0	7.5	63.7	28.8	-	-	-	-	100.0	65.4	34.6	5.8
1996	100.0	7.2	63.7	29.1	-	-	-	-	100.0	64.9	35.1	6.1
1997	100.0	7.2	66.4	26.3	-	-	-	-	100.0	66.1	33.9	5.9
1998	100.0	7.4	67.8	24.8	-	-	-	-	100.0	64.8	35.2	6.1
1999	100.0	6.1	68.6	25.3	-	-	-	-	100.0	65.9	34.1	5.9
2000	100.0	5.7	70.7	23.6	-	-	-	-	100.0	66.5	33.5	5.6
2001	100.0	5.8	72.6	21.6	0.004	-	-	-	100.0	66.0	34.0	5.4
2002	100.0	3.8	73.3	22.9	0.005	-	-	-	100.0	66.4	33.6	5.7
2003	100.0	3.9	74.5	21.5	0.006	-	-	-	100.0	66.5	33.5	5.0
2004	100.0	3.6	75.5	20.9	0.007	-	-	-	100.0	67.6	32.4	4.9
2005	100.0	4.2	75.6	20.2	0.042	-	-	-	100.0	67.1	32.9	4.8
2006	100.0	4.1	76.3	19.5	0.136	-	-	-	100.0	68.1	31.9	4.9
2007	100.0	4.1	76.4	19.3	0.213	-	-	-	100.0	68.5	31.5	4.8
2008	100.0	3.9	76.2	19.6	0.301	0.000	-	-	100.0	68.8	31.2	4.6
2009	100.0	3.6	75.3	20.7	0.438	0.001	-	-	100.0	67.7	32.3	4.9
2010	100.0	3.5	76.7	19.3	0.493	0.003	-	-	100.0	69.4	30.6	4.7
2011	100.0	3.2	77.0	19.0	0.719	0.018	-	-	100.0	69.6	30.4	4.8
2012	100.0	4.0	76.8	18.4	0.704	0.065	-	-	100.0	70.1	29.9	4.4
2013	100.0	4.0	76.3	18.8	0.758	0.141	-	-	100.0	70.6	29.4	4.3
2014	100.0	3.4	77.1	18.6	0.678	0.233	-	-	100.0	70.2	29.8	4.1
2015	100.0	3.4	79.5	16.0	0.686	0.370	0.001	-	100.0	70.4	29.6	3.7
2016	100.0	4.3	81.0	13.5	0.641	0.473	0.001	-	100.0	70.0	30.0	3.8
2017	100.0	3.8	85.4	9.3	0.733	0.701	0.001	-	100.0	70.5	29.5	3.8
2018	100.0	3.3	83.4	11.4	0.704	1.141	0.002	0.00	100.0	71.0	29.0	3.9

5-7. Power Consumption by Industry

Unit: million kWh

Period	Total (1)	Mining	Food	Textiles	Chemicals	Ceramics	Metals & Machinery	Others
1955	1,156	78	111	80	434	35	285	133
1960	2,545	177	202	165	1,001	113	603	284
1965	4,557	296	337	318	1,620	316	1,023	647
1970	9,242	292	630	1,069	3,009	716	1,920	1,606
1975	16,095	339	814	2,629	5,070	1,124	3,136	2,983
1980	28,816	620	1,262	3,874	7,957	2,469	6,843	5,791
1985	34,927	519	1,596	5,014	9,607	2,560	6,891	8,740
1990	51,841	171	2,372	6,304	12,449	3,620	11,799	15,126
1994	65,214	213	2,851	6,952	13,385	4,442	15,628	21,743
1995	68,931	210	2,924	6,844	13,986	4,373	17,414	23,180
1996	72,114	184	2,959	7,103	13,942	4,174	18,928	24,824
1997	78,238	190	2,928	7,471	14,440	4,158	22,545	26,506
1998	83,049	353	2,889	8,123	17,090	4,096	25,103	25,395
1999	86,844	334	2,861	8,375	17,474	3,958	27,473	26,369
2000	94,768	319	3,004	8,640	17,808	3,847	32,137	29,013
2001	94,807	293	2,989	8,083	17,557	3,718	32,597	29,570
2002	100,435	367	3,102	8,315	18,038	3,843	35,926	30,844
2003	106,043	431	3,191	8,133	18,829	3,905	39,166	32,388
2004	113,293	444	3,261	8,016	19,357	4,295	43,849	34,071
2005	117,648	443	3,304	7,296	19,053	4,656	47,721	35,175
2006	123,598	453	3,321	7,056	19,211	4,962	51,832	36,763
2007	128,226	462	3,380	6,891	20,157	5,019	55,110	37,207
2008	128,644	380	3,309	6,367	19,647	4,851	56,565	37,525
2009	121,348	338	3,325	5,711	19,334	4,342	52,169	36,130
2010	134,135	419	3,494	6,236	21,454	4,908	60,574	37,050
2011	138,161	435	3,560	6,029	21,492	5,493	64,207	36,945
2012	139,134	416	3,636	5,792	21,516	5,349	65,446	36,980
2013	142,529	469	3,719	5,793	21,434	5,564	68,178	37,372
2014	144,579	495	3,788	5,645	21,198	5,555	70,134	37,763
2015	145,302	482	3,899	5,514	21,377	5,392	70,253	38,385
2016	148,697	457	4,028	5,271	21,857	5,192	72,825	39,067
2017	153,116	448	4,064	5,050	22,511	5,227	76,062	39,754
2018	155,640	451	4,144	4,874	22,828	5,202	77,821	40,322

(1) Excluding irrigation.

Source: See Table 5-5a.

5-8a. Supply of Commercial Energy

Unit: 1,000 KLOE

Period	Total	Domestic Production								
		Subtotal	Coal	Hydro-Electric Power	Natural Gas	Crude Oil	Refinery Feedstocks	Geothermal, Solar and Wind	Solar Thermal	Biomass and Waste
1955	2,502.9	1,801.5	1,625.3	146.8	25.7	3.7	-	-	-	-
1960	4,081.0	2,815.8	2,592.7	197.9	22.9	2.3	-	-	-	-
1965	6,308.2	4,029.4	3,482.0	247.9	278.7	20.8	-	-	-	-
1970	11,197.3	4,155.2	2,927.5	273.8	852.5	101.5	-	-	-	-
1975	16,004.6	4,190.0	2,055.2	503.0	1,417.1	214.8	-	-	-	-
1980	33,690.0	3,937.8	1,684.1	279.7	1,762.7	211.4	-	-	-	-
1985	39,190.4	3,104.5	1,215.8	573.7	1,194.1	118.1	-	2.8	-	-
1990	57,879.1	2,347.5	308.9	610.0	1,173.9	182.4	-	2.7	19.6	49.99
1995	78,251.7	1,763.4	153.9	462.7	837.0	62.3	-	0.0	54.6	192.92
1996	81,699.5	1,732.3	96.5	453.4	800.9	59.7	-	0.0	60.4	261.41
1997	86,321.9	1,912.6	64.8	501.5	764.2	50.7	-	0.0	66.0	465.4
1998	89,903.3	2,118.9	51.8	592.9	781.3	54.0	-	0.0	70.1	568.8
1999	94,720.9	2,205.2	60.0	482.9	760.6	47.1	-	0.0	73.2	781.5
2000	101,883.9	2,210.4	54.2	435.9	663.9	37.2	-	0.1	77.3	941.9
2001	106,548.5	2,627.5	0.0	486.6	754.8	40.6	-	1.2	81.1	1,263.2
2002	111,630.0	2,547.9	0.0	265.7	788.3	51.1	3.3	1.6	84.3	1,353.7
2003	119,747.0	2,858.0	0.0	290.1	738.6	45.8	44.5	2.3	87.9	1,648.9
2004	132,791.7	2,878.7	0.0	306.9	707.0	44.6	52.1	2.5	92.7	1,673.0
2005	134,148.8	2,708.4	0.0	381.1	486.6	32.4	32.4	8.8	97.5	1,669.6
2006	136,833.5	2,682.9	0.0	390.8	411.5	23.6	39.1	26.5	102.4	1,688.9
2007	144,066.4	2,764.6	0.0	422.3	370.5	17.8	49.1	42.2	105.5	1,757.1
2008	139,288.7	2,784.0	0.0	411.6	317.7	16.1	75.7	56.7	109.5	1,796.8
2009	136,482.1	2,636.6	0.0	358.3	311.7	16.0	56.5	76.1	113.2	1,704.7
2010	143,079.0	2,722.8	0.0	401.0	263.3	14.2	54.3	100.6	114.3	1,775.2
2011	138,916.2	2,807.1	0.0	382.4	293.5	11.3	52.2	149.4	113.2	1,805.1
2012	141,691.4	3,095.6	0.0	542.0	392.9	11.4	47.8	151.7	114.0	1,835.8
2013	144,228.5	3,047.9	0.0	518.4	338.7	10.5	44.5	189.1	112.8	1,833.8
2014	148,591.7	2,913.6	0.0	412.8	337.2	9.1	61.2	196.2	112.2	1,785.1
2015	146,198.5	2,999.8	0.0	427.3	332.2	9.2	82.5	229.5	113.5	1,805.5
2016	146,685.7	3,097.9	0.0	627.3	285.8	8.4	77.8	247.5	112.1	1,738.9
2017	146,635.3	2,966.1	0.0	520.7	236.2	5.4	82.7	326.4	113.1	1,681.6
2018	148,830.0	2,811.6	0.0	427.0	175.6	4.7	74.3	421.8	46.0	1,662.2

Source: The data are provided by the Bureau of Energy, Ministry of Economic Affairs, R.O.C.

5-8b. Supply of Commercial Energy (Continued)

Unit: 1,000 KLOE

Period	Import					
	Subtotal	Crude Oil and Petroleum Products	Coal	Liquefied Natural Gas	Biomass and Waste	Nuclear
1955	701.4	701.4	-	-	-	-
1960	1,265.2	1,265.2	-	-	-	-
1965	2,278.8	2,278.8	-	-	-	-
1970	7,042.1	6,937.3	104.7	-	-	-
1975	11,814.6	11,738.9	75.7	-	-	-
1980	29,752.1	24,055.7	3,322.1	-	-	2,374.4
1985	36,085.9	20,701.7	7,064.9	-	-	8,319.3
1990	55,531.6	32,137.2	13,020.8	855.6	-	9,518.0
1995	76,488.3	43,408.1	19,538.1	3,314.7	-	10,227.4
1996	79,967.2	44,583.8	21,004.6	3,435.5	-	10,943.3
1997	84,409.4	45,245.5	24,454.1	4,206.2	-	10,503.6
1998	87,784.4	47,066.0	24,945.9	5,108.1	-	10,664.4
1999	92,515.7	49,030.9	27,126.6	5,233.0	-	11,125.2
2000	99,673.5	52,528.5	30,192.9	5,801.6	-	11,150.4
2001	103,920.9	54,941.4	32,493.4	6,209.4	-	10,276.9
2002	109,082.0	56,191.2	34,435.6	7,000.7	-	11,454.5
2003	116,889.0	61,992.8	36,332.4	7,300.7	-	11,263.0
2004	129,913.0	69,404.0	40,000.0	9,072.7	-	11,436.3
2005	131,440.4	70,741.7	39,749.8	9,373.0	-	11,575.9
2006	134,150.6	71,223.0	41,216.6	10,164.4	-	11,546.5
2007	141,301.9	75,400.1	43,311.2	10,850.4	0.1	11,740.1
2008	136,504.7	70,614.6	42,187.9	11,878.7	0.0	11,823.5
2009	133,845.5	71,668.7	38,538.9	11,598.9	0.1	12,039.0
2010	140,356.2	71,538.5	42,236.0	14,525.8	0.1	12,055.7
2011	136,109.1	63,943.8	43,982.1	15,986.2	0.1	12,196.9
2012	138,595.8	67,660.2	42,535.0	16,694.3	0.1	11,706.1
2013	141,180.6	68,279.1	44,043.7	16,798.9	0.1	12,058.8
2014	145,678.0	71,772.4	43,940.6	17,689.1	0.1	12,275.8
2015	143,198.7	70,310.4	43,378.4	18,947.7	0.1	10,562.0
2016	143,587.7	71,637.3	43,036.9	19,744.2	0.1	9,169.1
2017	143,669.2	70,950.6	44,246.4	21,971.8	0.1	6,500.2
2018	146,018.4	71,821.8	43,749.0	22,430.8	0.1	8,016.8

5-9a. Final Demand for Commercial Energy

Unit: 1,000 KLOE

Period	Grand Total	Domestic Consumption						
		Total	Coal and Its Products	Petroleum Products	Natural Gas	Liquefied Natural Gas	Biomass and Waste	Electric Power
1955	1,756.7	1,929.8	1,413.1	493.5	23.1	-	-	-
1960	2,837.7	2,774.2	1,932.9	820.5	20.8	-	-	-
1965	4,395.4	4,117.5	2,475.2	1,425.8	216.5	-	-	-
1970	7,849.7	6,605.5	2,751.8	3,226.3	627.4	-	-	-
1975	10,005.6	10,239.6	1,806.2	7,247.5	1,185.9	-	-	-
1980	23,233.4	19,408.3	1,713.6	16,121.9	1,572.8	-	-	-
1985	29,887.6	26,132.6	2,782.9	17,284.4	1,029.0	-	-	5,036.3
1990	43,191.2	36,716.2	4,402.2	22,819.9	1,043.8	320.4	-	8,110.3
1995	58,916.4	48,761.3	5,045.1	29,158.4	1,484.4	969.7	-	12,049.2
1996	61,065.3	50,888.7	5,194.2	30,272.3	1,486.4	1,035.6	0.1	12,839.7
1997	63,608.7	52,843.3	5,848.8	30,574.7	1,471.3	1,019.1	164.8	13,698.6
1998	64,701.5	55,200.1	5,947.9	31,657.4	1,461.8	1,076.1	209.9	14,776.8
1999	68,632.1	57,474.1	5,947.5	33,436.6	1,360.7	1,027.5	242.5	15,386.1
2000	73,111.8	61,184.8	6,712.4	34,819.0	1,325.1	1,095.3	279.3	16,873.7
2001	77,292.5	65,920.8	6,844.8	39,014.5	1,221.7	1,081.9	397.0	17,255.2
2002	80,279.8	68,496.5	7,313.7	40,069.8	1,165.8	1,215.3	430.7	18,188.6
2003	88,143.2	72,380.1	8,191.8	42,056.2	1,209.1	1,124.3	512.6	19,164.4
2004	99,494.8	75,620.1	8,453.5	43,929.7	1,246.7	1,262.3	535.8	20,065.4
2005	98,639.4	76,557.4	8,354.8	44,073.4	1,269.2	1,211.2	549.5	20,884.5
2006	101,261.3	77,443.6	8,916.0	43,635.5	1,205.4	1,263.7	552.3	21,602.4
2007	107,225.4	82,045.3	9,533.9	46,745.4	1,214.5	1,354.6	563.3	22,321.3
2008	103,665.6	78,785.0	8,810.6	44,555.9	1,224.5	1,387.5	576.2	21,957.9
2009	102,098.3	78,392.4	8,277.4	45,430.4	1,233.8	1,410.4	531.3	21,100.2
2010	107,288.4	83,544.4	9,713.3	47,066.8	1,280.8	1,745.0	581.5	22,696.0
2011	101,632.2	81,311.9	10,192.6	43,594.0	1,360.2	2,024.9	561.3	23,143.2
2012	104,641.0	81,496.1	10,084.2	43,644.7	1,367.5	2,338.7	543.1	23,060.1
2013	107,418.0	84,090.2	10,829.5	45,194.4	1,360.4	2,313.4	537.8	23,432.2
2014	110,596.3	85,066.4	10,372.7	46,127.1	1,419.8	2,189.7	555.9	24,003.1
2015	110,311.8	85,215.8	10,362.0	46,234.9	1,425.0	2,371.1	566.8	23,901.8
2016	110,367.9	85,741.5	10,427.3	46,087.1	1,482.4	2,419.6	520.1	24,418.2
2017	109,826.2	85,263.4	9,863.1	45,228.2	1,511.7	2,793.7	484.3	24,989.2
2018	112,535.8	86,825.5	9,774.2	46,331.8	1,597.6	3,076.9	431.6	25,275.3

Source: See Table 5-8a.

5-9b. Final Demand for Commercial Energy (Continued)

Unit: 1,000 KLOE

Period			Export				Inter-national Marine Bunkers	Inter-national Civil Aviation	Inventory Change	Loss and Statistical Discrepancy
	Solar Thermal	Heat	Total	Petroleum Products	Coal & Its Products	Biomass and Waste				
1955	-	-	262.7	169.5	93.2	-	-	-	-111.2	-324.6
1960	-	-	479.9	308.5	171.4	-	-	-	-72.7	-343.6
1965	-	-	375.0	372.1	2.9	-	-	-	187.3	-284.5
1970	-	-	1,049.9	1,028.7	21.2	-	-	1.5	318.2	-125.4
1975	-	-	762.1	750.3	11.8	-	-	46.8	-674.6	-368.2
1980	-	-	345.6	340.1	5.5	-	233.8	304.3	2313.9	627.5
1985	-	-	2,084.9	2,078.7	6.2	-	570.1	321.7	174.9	603.4
1990	19.6	-	590.5	571.5	19.1	-	1,700.4	631.2	3016.0	536.7
1995	54.6	-	1,921.2	1,921.0	0.2	-	2,644.9	1,439.7	3051.9	1097.4
1996	60.4	-	2,646.1	2,645.9	0.2	-	2,576.0	1,538.7	2311.4	1104.4
1997	66.0	-	3,679.1	3,678.4	0.7	-	3,058.2	1,592.1	1412.5	1023.5
1998	70.1	-	2,252.4	2,251.9	0.4	-	3,383.1	1,691.7	708.3	1466.0
1999	73.2	-	2,518.3	2,516.9	1.5	-	4,395.6	1,868.9	940.7	1434.5
2000	77.3	2.7	2,644.1	2,635.8	8.3	-	3,995.2	1,890.9	1737.6	1659.2
2001	81.1	24.7	4,905.6	4,900.9	4.7	-	2,886.3	1,849.2	735.0	995.4
2002	84.3	28.2	6,846.2	6,837.3	8.9	-	2,789.6	1,948.3	-880.7	1079.9
2003	87.9	33.8	11,123.5	11,115.5	8.0	-	3,429.8	1,921.5	-1417.7	706.0
2004	92.7	34.1	14,784.8	14,782.7	2.1	-	2,771.5	2,193.4	3597.4	527.6
2005	97.5	117.3	17,215.8	17,181.8	34.0	-	2,720.3	2,271.7	1042.3	-1168.1
2006	102.4	165.9	16,458.6	16,442.5	16.0	-	2,682.6	2,364.9	1550.7	760.9
2007	105.5	206.8	19,496.5	19,487.5	9.0	-	2,401.1	2,336.5	410.0	536.0
2008	109.5	162.9	19,054.2	18,984.6	69.6	-	2,068.2	2,062.4	676.6	1019.2
2009	113.2	295.8	20,892.2	20,862.4	29.8	-	1,830.9	1,949.0	-1335.8	369.5
2010	114.3	346.8	18,074.8	17,982.5	92.3	-	1,978.2	2,199.1	-85.7	1577.7
2011	113.2	322.5	15,543.9	15,464.6	78.3	1.1	1,809.5	2,193.5	-1248.8	2022.1
2012	114.0	343.7	18,961.1	18,871.9	89.3	-	1,313.3	2,305.6	-366.7	931.5
2013	112.8	309.7	19,512.7	19,500.5	12.2	-	1,360.0	2,444.7	-1102.1	1112.5
2014	112.2	285.9	19,542.3	19,485.0	57.3	-	1,303.9	2,666.6	712.5	1304.6
2015	113.5	240.7	18,861.4	18,860.5	0.8	-	1,219.9	2,840.3	349.0	1825.4
2016	112.1	274.8	19,298.2	19,297.1	1.2	-	1,439.9	3,052.7	-397.4	1232.9
2017	113.1	280.2	19,228.8	19,192.3	36.5	-	1,345.6	3,164.7	173.0	650.7
2018	46.0	292.2	20,524.4	20,504.6	19.7	-	1,303.9	3,234.0	-1,273.4	1,921.4

5-10a. Final Consumption of Commercial Energy by Sector

Unit: 1,000 KLOE

Period	Grand Total	Energy Use						
		Total	Agricultural Sector	Industrial Sector				
				Subtotal	Mining	Food	Chemicals	Textiles
1955	2,607.2	2,598.8	107.2	1,200.8	10.1	160.7	305.8	92.4
1960	3,886.2	3,881.3	177.7	2,064.5	11.3	200.4	563.9	135.6
1965	5,850.2	5,708.0	303.0	3,269.0	22.6	256.2	829.3	208.2
1970	9,618.0	9,361.9	409.1	5,688.8	48.1	382.4	1,609.9	600.5
1975	15,580.0	15,188.3	734.5	8,603.7	80.6	602.8	2,183.9	1,260.8
1980	29,088.6	25,534.1	999.5	13,524.0	154.2	810.9	2,199.3	1,775.5
1985	26,132.6	22,232.5	1,043.2	9,541.6	105.1	588.0	1,025.0	1,306.9
1990	36,716.2	31,823.4	1,201.2	13,668.5	56.9	768.1	2,645.3	1,619.1
1995	48,761.3	41,412.6	1,185.2	17,158.5	49.5	768.8	3,772.7	1,964.1
1996	50,888.7	43,299.0	1,212.5	17,758.8	50.0	774.7	4,000.6	2,118.6
1997	52,843.3	45,195.9	1,098.6	19,114.3	57.0	772.0	4,240.4	2,216.5
1998	55,200.1	46,939.3	924.5	19,495.9	68.1	755.9	4,463.0	2,242.2
1999	57,474.1	48,875.0	933.4	20,663.1	69.8	829.3	4,937.0	2,419.6
2000	61,184.8	51,666.7	1,060.5	22,343.6	74.7	819.6	5,775.7	2,511.9
2001	65,920.8	51,826.1	1,090.8	22,113.0	72.4	793.5	5,977.7	2,215.6
2002	68,496.5	53,673.1	1,101.6	23,438.6	73.2	819.5	6,640.6	2,079.9
2003	72,380.1	55,581.5	1,237.8	24,379.1	69.9	752.9	7,440.7	1,887.7
2004	75,620.1	57,966.2	1,304.8	25,486.3	77.9	768.9	8,031.4	2,056.4
2005	76,557.4	59,101.3	1,177.6	25,668.0	79.1	774.4	8,143.8	1,900.1
2006	77,443.6	59,703.7	837.6	26,640.3	76.4	746.2	8,792.5	1,740.3
2007	82,045.3	59,856.2	640.1	27,557.3	78.3	744.8	9,544.3	1,693.6
2008	78,785.0	56,727.4	738.3	25,694.1	81.0	723.3	8,279.5	1,549.6
2009	78,392.4	55,100.1	605.3	24,281.0	89.6	719.9	8,320.9	1,349.7
2010	83,544.4	58,962.0	588.6	27,252.1	99.2	759.2	8,998.8	1,555.6
2011	81,311.9	59,590.1	598.2	27,751.9	102.1	759.5	8,565.3	1,485.6
2012	81,496.1	58,764.1	635.4	27,449.3	84.8	762.1	8,286.8	1,507.0
2013	84,090.2	59,373.7	629.9	27,995.5	82.7	747.9	8,302.0	1,518.3
2014	85,066.4	59,863.5	659.5	27,605.7	82.9	764.1	8,153.7	1,484.4
2015	85,215.8	59,550.7	674.0	27,031.8	82.0	767.8	7,973.7	1,362.9
2016	85,741.5	60,353.8	663.6	27,246.9	75.1	785.0	8,119.9	1,243.2
2017	85,263.4	60,234.5	650.0	27,262.7	76.1	778.8	7,936.0	1,211.2
2018	86,825.5	60,560.5	637.8	27,457.1	74.3	782.8	8,134.8	1,225.9

Source: See Table 5-8a.

5-10b. Final Consumption of Commercial Energy by Sector (Continued)

Unit: 1,000 KLOE

Period	Energy Use							Non-Energy Use
	Industrial Sector				Energy Sector	Transportation Sector	Other Sectors	
	Wood Paper	Mineral Products	Metallic Products	Other Mfg.				
1955	90.2	238.7	133.5	169.5	211.0	237.9	841.9	8.5
1960	187.5	490.0	275.9	199.8	316.1	328.3	994.7	5.0
1965	296.0	875.8	458.8	322.2	430.7	385.4	1,319.8	142.3
1970	480.4	1,325.3	658.6	583.5	682.9	685.2	1,895.8	256.1
1975	578.2	1,662.4	865.6	1,369.6	1,058.2	1,666.8	3,125.1	391.7
1980	964.2	3,276.7	1,811.7	2,531.5	2,809.7	3,193.3	5,007.7	3,554.5
1985	660.5	2,529.6	1,086.2	2,240.3	3,102.7	4,353.9	4,191.0	3,900.1
1990	978.2	3,149.6	1,918.2	2,533.1	3,584.5	7,347.1	6,022.1	4,892.8
1995	1,129.2	3,452.1	2,567.4	3,454.5	4,493.5	10,792.3	7,783.2	7,348.7
1996	1,160.4	3,382.9	2,592.7	3,678.9	4,646.4	11,171.6	8,509.6	7,589.7
1997	1,335.9	3,238.6	3,176.3	4,077.6	4,976.2	11,455.5	8,551.3	7,647.4
1998	1,295.1	3,068.6	3,466.4	4,136.5	5,117.5	11,950.6	9,450.8	8,260.8
1999	1,369.3	2,831.7	3,517.3	4,689.0	5,194.3	12,302.9	9,781.3	8,599.1
2000	1,339.0	2,783.7	3,713.4	5,325.6	5,547.4	12,468.9	10,246.2	9,518.1
2001	1,212.5	2,619.6	3,443.1	5,778.6	5,607.5	12,485.3	10,529.5	14,094.7
2002	1,170.2	2,908.3	3,634.1	6,112.8	5,350.9	12,961.0	10,821.0	14,823.4
2003	1,166.9	2,974.9	3,664.2	6,422.0	5,657.8	12,966.0	11,340.8	16,798.6
2004	1,265.8	3,135.8	3,949.9	6,200.2	6,026.7	13,469.8	11,678.5	17,653.9
2005	1,298.8	3,115.0	3,771.5	6,585.3	6,157.6	13,837.9	12,260.2	17,456.2
2006	1,276.1	3,159.7	3,991.2	6,857.9	6,081.8	13,802.2	12,341.8	17,739.9
2007	1,263.6	3,000.4	3,969.2	7,263.2	5,912.2	13,330.6	12,416.1	22,189.2
2008	1,153.4	2,844.7	3,759.3	7,303.4	5,308.8	12,617.6	12,368.6	22,057.6
2009	1,062.0	2,515.7	3,298.4	6,924.7	5,167.0	12,753.2	12,293.5	23,292.3
2010	1,170.7	2,634.5	4,227.9	7,806.1	5,537.5	13,170.6	12,413.3	24,582.4
2011	1,241.4	3,056.2	4,360.7	8,181.1	5,538.8	13,361.1	12,340.2	21,721.8
2012	1,245.2	2,942.7	4,227.9	8,392.8	5,499.6	13,098.7	12,081.2	22,732.0
2013	1,220.7	3,000.2	4,525.8	8,598.0	5,543.0	13,103.0	12,102.4	24,716.5
2014	1,214.8	2,655.0	4,345.4	8,905.4	6,034.8	13,234.4	12,329.1	25,202.8
2015	1,100.6	2,619.6	4,097.6	9,027.6	5,932.4	13,512.6	12,399.9	25,665.1
2016	1,059.3	2,437.0	4,185.2	9,342.2	5,871.9	13,905.5	12,665.9	25,387.7
2017	1,029.9	2,296.0	4,182.8	9,751.9	5,866.7	13,756.1	12,699.0	25,028.9
2018	1,088.9	1,960.3	4,320.6	9,869.6	6,370.0	13,503.6	12,591.9	26,265.1

5-11. Number of Factories Registered (1)

End of Year	Total	Food	Textiles	Chemicals	Saw Mill & Wood Products	Ceramics	Metals	Machinery & Tools	Printing & Book-binding	Others
1952	9,966	4,232	942	866	485	1,103	198	794	174	1,172
1955	16,154	7,358	1,514	1,530	773	1,473	314	1,510	319	1,363
1960	18,788	8,467	1,185	2,093	1,128	1,632	912	2,082	562	727
1965 (2)	24,608	10,929	1,166	3,015	1,349	1,790	1,341	2,493	736	1,789
1970 (3)	15,031	2,668	1,575	3,144	1,217	1,133	1,475	2,269	525	1,025
1975	40,982	6,476	4,404	8,889	3,701	2,377	4,951	6,960	1,001	2,223
1980	55,421	7,177	6,106	11,936	4,846	3,064	7,464	11,220	1,225	2,383
1985	68,145	6,428	7,247	11,606	4,410	3,225	9,476	14,692	2,602	8,459
1990	92,978	6,595	8,761	16,246	4,646	3,746	15,996	26,719	4,163	6,106
1995	97,016	5,972	7,691	14,670	5,373	3,492	17,940	29,343	4,727	7,808
1996	96,756	5,913	7,513	14,452	5,108	3,380	18,363	29,753	4,711	7,563
1997	99,844	6,023	7,666	14,694	5,085	3,414	19,245	31,831	4,844	7,042
1998	98,836	5,854	7,442	14,448	4,842	3,230	19,332	31,528	4,827	7,333
1999	100,682	5,936	7,528	14,590	4,770	3,226	19,879	32,542	4,934	7,277
2000	98,860	5,771	7,210	14,218	4,424	3,120	19,821	32,564	4,921	6,811
2001	97,182	5,780	6,960	13,891	4,145	3,099	19,488	32,490	4,853	6,476
2002	94,338	5,669	6,890	13,785	4,042	3,093	19,229	32,456	4,553	4,621
2003	98,865	6,139	6,924	14,551	3,971	3,082	18,055	35,540	4,973	5,630
2004	90,751	5,889	6,062	13,591	3,397	2,706	17,468	32,742	4,531	4,365
2005	89,883	5,905	5,807	13,509	3,305	2,620	17,586	32,591	4,427	4,133
2006	86,324	5,833	5,499	13,098	3,003	2,580	17,189	31,404	4,241	3,477
2007	86,881	5,918	5,398	13,180	2,900	2,605	18,308	30,425	4,263	3,884
2008	86,331	5,937	5,197	13,129	2,805	2,616	18,728	29,979	4,178	3,762
2009	84,890	5,924	4,988	12,978	2,663	2,618	18,694	29,226	4,111	3,688
2010	84,287	5,969	4,831	12,864	2,541	2,592	18,896	28,982	3,988	3,624
2011	84,099	6,051	4,769	12,836	2,461	2,601	19,337	28,506	3,925	3,613
2012	85,959	6,284	4,819	13,124	2,503	2,689	20,218	28,686	3,971	3,665
2013	87,831	6,489	4,862	13,325	2,600	2,758	21,356	28,776	3,998	3,667
2014	88,008	6,644	4,840	13,220	2,596	2,797	22,056	28,307	3,949	3,599
2015	89,015	6,843	4,869	13,320	2,623	2,798	22,942	28,111	3,943	3,566
2016	90,778	7,137	4,942	13,510	2,730	2,786	24,042	28,089	3,974	3,568
2017	92,956	7,459	4,971	13,775	2,815	2,830	25,126	28,332	4,041	3,607
2018	93,523	7,663	4,901	13,861	2,851	2,825	25,876	27,957	4,021	3,568

(1) Excluding sub-stations of Taiwan Power Company. (2) Revised on the basis of a recheck of data.

(3) Re-registrations were in progress: Figures show factories already re-registered.

Sources: See Table 5-1.

6. SCIENCE AND TECHNOLOGY

6-1. R&D Expenditure Indicators

Period	R&D Expenditure (NT\$ million)	R&D Expenditure as a Percentage of GDP (%)	Basic Research as a Percentage of R&D Expenditure (%)	Business Enterprise R&D Expenditures as a Percentage of Value Added in Industry (%)
2007	331,777	2.47	10.0	2.33
2008	351,790	2.68	10.2	2.60
2009	368,185	2.84	10.4	2.77
2010	396,641	2.81	10.0	2.72
2011	416,224	2.91	9.8	2.86
2012	434,962	2.96	9.5	3.02
2013	459,549	3.02	9.3	3.08
2014	485,669	3.01	9.1	3.09
2015	513,097	3.06	8.9	3.15
2016	543,557	3.16	8.3	3.25
2017	576,709	3.30	7.8	3.42

Notes: GDP and industry value added are based on figures announced by the DGBAS in November 2015.

Source: Ministry of Science and Technology, R.O.C. (Taiwan), *Indicators of Science and Technology, Taiwan*, 2018.

6-2. R&D Personnel Indicators

Period	R&D Personnel (FTE)				R&D Personnel (Headcount)			
	Personnel	Researchers	Female Researchers	Researchers per 1,000 Employment	Personnel	Researchers	Female Researchers	Researchers per 1,000 Employment
2007	176,177	103,786	19,720	10.1	228,987	136,249	27,294	13.2
2008	185,123	110,461	20,824	10.6	241,366	144,234	28,994	13.9
2009	197,417	119,583	23,329	11.6	256,543	155,216	31,899	15.1
2010	211,413	128,347	25,520	12.2	273,447	165,585	34,613	15.8
2011	222,269	134,762	27,612	12.6	288,726	174,600	37,626	16.3
2012	229,167	140,102	29,003	12.9	296,724	179,830	39,144	16.6
2013	234,248	141,159	29,423	12.9	301,001	180,353	39,599	16.4
2014	240,528	142,983	30,187	12.9	307,933	182,119	40,276	16.4
2015	245,941	145,381	30,951	13.0	313,463	183,571	40,805	16.4
2016	251,042	147,710	31,639	13.1	317,014	185,472	41,551	16.5
2017	255,943	150,384	32,366	13.2	322,596	188,474	42,525	16.6

Notes: See Table 6-1.

Source: See Table 6-1.

6-3. Science and Technology Output Indicators

Period	Annual Papers in SCI	Annual Papers in EI	Number of U.S. Utility Patents Granted (patents for invention)	Technology Balance of Payments Export/Import (1)
2007	18,795	16,657	6,128	0.26
2008	22,470	17,483	6,341	0.26
2009	24,085	18,869	6,642	0.25
2010	25,299	20,302	8,239	0.18
2011	27,734	22,819	8,781	...
2012	28,100	20,729	10,646	0.18
2013	28,683	24,415	11,071	0.20
2014	28,092	22,706	11,333	0.21
2015	27,074	19,822	11,690	0.23
2016	26,902	18,531	11,541	...
2017	25,663	16,652	11,161	0.53

(1) The MOEA's Factory Adjustment and Operation Survey was not conducted in 2011 and 2016.

Source: (1)SCI : InCitesTM, Clarivate Analytics, STPI Prepared/Updated : 2019-1.

(2)See Table 6-1.

6-4. R&D Expenditure by Source of Funds

Unit: NTS million

Period	Total		Business Enterprise		Government		Higher Education		Private Non-profit		Abroad	
	amount	%	amount	%	amount	%	amount	%	amount	%	amount	%
2007	331,777	100.0	228,464	68.9	98,966	29.8	3,158	1.0	1,051	0.3	137	0.0
2008	351,790	100.0	247,913	70.5	99,343	28.2	3,237	0.9	1,144	0.3	153	0.0
2009	368,185	100.0	256,633	69.7	106,844	29.0	3,368	0.9	1,191	0.3	149	0.0
2010	396,641	100.0	282,169	71.1	109,557	27.6	3,662	0.9	1,093	0.3	161	0.0
2011	416,224	100.0	300,874	72.3	110,188	26.5	4,007	1.0	1,007	0.2	148	0.0
2012	434,962	100.0	321,423	73.9	108,049	24.8	4,135	1.0	791	0.2	565	0.1
2013	459,549	100.0	345,624	75.2	108,460	23.6	4,051	0.9	777	0.2	636	0.1
2014	485,669	100.0	373,444	76.9	106,759	22.0	4,037	0.8	860	0.2	569	0.1
2015	513,097	100.0	397,865	77.5	109,967	21.4	3,968	0.8	907	0.2	389	0.1
2016	543,557	100.0	420,872	77.4	117,269	21.6	3,954	0.7	995	0.2	466	0.1
2017	576,709	100.0	455,675	79.0	115,331	20.0	4,252	0.7	1,012	0.2	439	0.1

Source: See Table 6-1.

6-5. R&D Expenditure by Sector of Performance

Unit: NT\$ million

Period	Total		Business Enterprise		Government		Higher Education		Private Non-profit	
	amount	%	amount	%	amount	%	amount	%	amount	%
2007	331,777	100.0	229,517	69.2	60,643	18.3	40,400	12.2	1,218	0.4
2008	351,790	100.0	248,868	70.7	58,928	16.8	42,784	12.2	1,209	0.3
2009	368,185	100.0	258,039	70.1	61,587	16.7	47,200	12.8	1,359	0.4
2010	396,641	100.0	283,421	71.5	63,020	15.9	48,777	12.3	1,424	0.4
2011	416,224	100.0	301,477	72.4	62,546	15.0	50,790	12.2	1,410	0.3
2012	434,962	100.0	322,111	74.1	61,172	14.1	50,358	11.6	1,321	0.3
2013	459,549	100.0	346,206	75.3	60,993	13.3	50,895	11.1	1,455	0.3
2014	485,669	100.0	373,019	76.8	60,734	12.5	50,308	10.4	1,608	0.3
2015	513,097	100.0	397,163	77.4	63,603	12.4	50,761	9.9	1,569	0.3
2016	543,557	100.0	419,989	77.3	71,051	13.1	50,904	9.4	1,612	0.3
2017	576,709	100.0	454,116	78.7	69,627	12.1	51,560	8.9	1,406	0.2

Source: See Table 6-1.

6-6. R&D Expenditure by Type of R&D

Unit: NT\$ million

Period	Total		Basic Research		Applied Research		Experimental Development	
	amount	%	amount	%	amount	%	amount	%
2007	331,777	100.0	33,189	10.0	85,123	25.7	213,465	64.3
2008	351,790	100.0	35,881	10.2	89,538	25.5	226,370	64.3
2009	368,185	100.0	38,388	10.4	94,013	25.5	235,784	64.0
2010	396,641	100.0	39,716	10.0	98,179	24.8	258,747	65.2
2011	416,224	100.0	40,774	9.8	98,872	23.8	276,578	66.4
2012	434,962	100.0	41,420	9.5	102,146	23.5	291,396	67.0
2013	459,549	100.0	42,747	9.3	106,940	23.3	309,862	67.4
2014	485,669	100.0	44,211	9.1	112,049	23.1	329,408	67.8
2015	513,097	100.0	45,669	8.9	118,933	23.2	348,495	67.9
2016	543,557	100.0	45,269	8.3	124,973	23.0	373,315	68.7
2017	576,709	100.0	45,110	7.8	132,277	22.9	399,322	69.2

Source: See Table 6-1.

6-7. R&D Expenditure by Field of Science and Technology

Unit: NTS million

Period	Total		Natural Sciences		Engineering		Medical Science		Agricultural Science		Humanities		Social Sciences	
	amount	%	amount	%	amount	%	amount	%	amount	%	amount	%	amount	%
2007	331,777	100.0	34,532	10.4	249,997	75.4	23,320	7.0	11,072	3.3	3,968	1.2	8,888	2.7
2008	351,790	100.0	37,632	10.7	263,671	75.0	24,733	7.0	11,725	3.3	4,175	1.2	9,854	2.8
2009	368,185	100.0	39,564	10.7	273,615	74.3	27,441	7.5	11,811	3.2	4,610	1.3	11,142	3.0
2010	396,641	100.0	41,830	10.5	298,356	75.2	28,827	7.3	12,178	3.1	4,417	1.1	11,033	2.8
2011	416,224	100.0	45,020	10.8	313,502	75.3	29,580	7.1	11,884	2.9	4,937	1.2	11,300	2.7
2012	434,962	100.0	46,799	10.8	329,372	75.7	30,454	7.0	11,505	2.6	4,753	1.1	12,079	2.8
2012	459,549	100.0	49,182	10.7	350,376	76.2	31,971	7.0	11,189	2.4	4,885	1.1	11,946	2.6
2014	485,669	100.0	51,220	10.5	372,837	76.8	34,148	7.0	10,924	2.2	4,906	1.0	11,633	2.4
2015	513,097	100.0	53,263	10.4	396,037	77.2	35,574	6.9	11,279	2.2	5,104	1.0	11,841	2.3
2016	543,557	100.0	54,798	10.1	422,436	77.7	37,892	7.0	11,312	2.1	4,858	0.9	12,262	2.3
2017	576,709	100.0	54,923	9.5	452,704	78.5	40,970	7.1	10,713	1.9	4,637	0.8	12,762	2.2

Source: See Table 6-1.

6-8. R&D Expenditure as a Percentage of GDP in Selected Countries

Unit: %

Period	R.O.C.	Japan	U.S.A.	Germany	France	United Kingdom	Korea, Rep.	Mainland China
2007	2.47	3.34	2.63	2.45	2.02	1.63	3.00	1.37
2008	2.68	3.34	2.77	2.60	2.06	1.62 ^c	3.12	1.44
2009	2.84	3.23	2.81	2.73	2.21	1.68 ^c	3.29	1.66
2010	2.81	3.14	2.74	2.71	2.18	1.66 ^c	3.47	1.71
2011	2.91	3.24	2.77	2.80	2.19	1.66	3.74	1.78
2012	2.96	3.21	2.68	2.87	2.23	1.59 ^c	4.03	1.91
2013	3.02	3.31	2.71	2.82	2.24	1.64	4.15	1.99
2014	3.01	3.40	2.72	2.87	2.28	1.66 ^c	4.29	2.02
2015	3.06	3.28	2.72	2.91	2.27	1.67	4.22	2.06
2016	3.16	3.14	2.76 ^p	2.92	2.25 ^p	1.68 ^c	4.23	2.11
2017	3.30	3.20	2.79 ^c	3.02 ^c	2.19 ^c	1.66 ^p	4.55	2.13

p: Provisional data; e: Estimated value

Source: Countries(except R.O.C): Main Science and Technology Indicators, 2018/2,February 2019, OECD.

**7. TRANSPORTATION
AND
COMMUNICATIONS**

7-1. Indices of Transportation and Communications

Period	General Indices(1)		Transportation		Postal Service		Telecommunications	
	Index (1) (2016=100)	Growth Rate (%)	Index (2016=100)	Growth Rate (%)	Index (2016=100)	Growth Rate (%)	Index (2011=100)	Growth Rate (%)
1952	1.51	-	1.48	-	1.95	-	-	-
1955	2.27	17.0	2.16	16.1	3.84	23.5	-	-
1960	3.72	4.2	3.16	4.6	11.67	1.0	-	-
1965	5.07	9.0	4.53	11.6	12.77	-2.6	-	-
1970	8.64	12.2	7.95	12.3	18.48	11.7	-	-
1975	16.26	15.2	15.59	17.7	25.89	-3.4	-	-
1980	25.84	4.4	25.53	4.3	30.28	5.5	-	-
1985	32.83	-0.4	32.14	-1.1	42.73	8.3	-	-
1990	43.26	1.8	42.24	2.4	57.97	-3.6	-	-
1995	70.10	-1.0	69.44	-1.4	82.17	7.0	-	-
1996	71.34	1.8	70.56	1.6	85.55	4.1	-	-
1997	72.64	1.8	71.57	1.4	92.07	7.6	-	-
1998	73.64	1.4	72.30	1.0	98.12	6.6	-	-
1999	76.29	3.6	74.85	3.5	102.52	4.5	70.60	-
2000	77.10	1.1	74.94	0.1	116.36	13.5	68.53	-2.9
2001	75.45	-2.1	73.87	-1.4	104.20	-10.5	86.46	26.2
2002	76.50	1.4	75.15	1.7	100.99	-3.1	92.24	6.7
2003	73.75	-3.6	72.48	-3.6	96.81	-4.1	95.25	3.3
2004	80.62	9.3	79.51	9.7	100.88	4.2	114.79	20.5
2005	81.16	0.7	80.00	0.6	102.31	1.4	96.04	-16.3
2006	81.13	0.0	80.18	0.2	98.38	-3.8	89.67	-6.6
2007	82.07	1.2	81.11	1.2	99.62	1.3	91.13	1.6
2008	82.72	0.8	81.70	0.7	101.25	1.6	94.37	3.6
2009	80.89	-2.2	79.77	-2.4	101.28	0.0	92.97	-1.5
2010	86.38	6.8	85.37	7.0	104.72	3.4	91.02	-2.1
2011	88.53	2.5	87.44	2.4	108.19	3.3	100.00	9.9
2012	91.20	3.0	90.38	3.4	106.13	-1.9	102.60	2.6
2013	94.56	3.7	94.00	4.0	104.78	-1.3	107.56	4.8
2014	97.21	2.8	96.71	2.9	106.29	1.4	110.02	2.3
2015	97.09	-0.1	96.78	0.1	102.66	-3.4	110.61	0.5
2016	100.00	3.0	100.00	3.3	100.00	-2.6	108.52	-1.9
2017	102.95	3.0	103.31	3.3	96.50	-3.5	103.90	-4.3
2018	107.47	4.4	108.31	4.8	92.22	-4.4	97.85	-5.8

(1) After rebasing base year from 2011 to 2016, the General indexes and the Indexes of Transportation and Postal Service were revised to 1991.

Source: The data are provided by the Ministry of Transportation and Communications, R.O.C. and the National Communications Commission, R.O.C.

7-2. Route Length of Railway

Unit: km

End of Year	Total	Taiwan Railway Administration	High-Speed Rail	Productive Enterprises (1)	Taipei Metro	Kaohsiung Metro	Taoyuan Metro
1952	950	950	-	-	-	-	-
1955	950	950	-	-	-	-	-
1960	973	973	-	-	-	-	-
1965	975	975	-	-	-	-	-
1970	1,000	1,000	-	-	-	-	-
1975	1,000	1,000	-	-	-	-	-
1980	1,091	1,091	-	-	-	-	-
1985	1,082	1,082	-	-	-	-	-
1990	1,105	1,105	-	-	-	-	-
1995	1,157	1,157	-	-	-	-	-
1996	1,167	1,156	-	-	11	-	-
1997	1,177	1,145	-	-	32	-	-
1998	1,182	1,142	-	-	40	-	-
1999	1,185	1,129	-	-	56	-	-
2000	1,190	1,125	-	-	65	-	-
2001	1,184	1,119	-	-	65	-	-
2002	1,184	1,119	-	-	65	-	-
2003	1,182	1,117	-	-	65	-	-
2004	1,333	1,118	-	148	67	-	-
2005	1,336	1,118	-	151	67	-	-
2006	1,343	1,118	-	151	74	-	-
2007	1,686	1,117	345	150	74	-	-
2008	1,724	1,116	345	146	76	41	-
2009	1,652	1,116	345	57	91	43	-
2010	1,743	1,115	345	138	101	44	-
2011	1,742	1,113	345	138	102	44	-
2012	1,764	1,123	345	138	113	45	-
2013	1,765	1,119	345	135	121	45	-
2014	1,766	1,114	345	133	129	45	-
2015	1,771	1,117	345	133	131	45	-
2016	1,777	1,118	350	133	131	45	-
2017	1,835	1,118	350	132	131	53	51
2018	1,836	1,118	350	133	131	53	51

(1) The business lines of Productive Enterprises were damaged in Morakot typhoon and cease operating in 2009.

Source: See Table 7-1.

7-3. Number of Railway Stations

Unit: station

End of Year	Total	Taiwan Railway Administration	High-Speed Rail	Productive Enterprises(1)	Taipei Metro	Kaohsiung Metro	Taoyuan Metro
1952	210	210	-	-	-	-	-
1955	224	224	-	-	-	-	-
1960	242	242	-	-	-	-	-
1965	236	236	-	-	-	-	-
1970	244	244	-	-	-	-	-
1975	240	240	-	-	-	-	-
1980	256	256	-	-	-	-	-
1985	236	236	-	-	-	-	-
1990	219	219	-	-	-	-	-
1995	218	218	-	-	-	-	-
1996	230	218	-	-	12	0	-
1997	248	216	-	-	32	0	-
1998	255	216	-	-	39	0	-
1999	270	216	-	-	54	0	-
2000	276	216	-	-	60	0	-
2001	275	215	-	-	60	0	-
2002	275	215	-	-	60	0	-
2003	276	216	-	-	60	0	-
2004	295	216	-	18	61	0	-
2005	297	216	-	18	63	0	-
2006	305	218	-	18	69	0	-
2007	314	219	8	18	69	0	-
2008	349	217	8	17	70	37	-
2009	343	216	8	-	82	37	-
2010	374	217	8	18	94	37	-
2011	381	224	8	18	94	37	-
2012	393	225	8	20	102	38	-
2013	396	223	8	18	109	38	-
2014	405	225	8	18	116	38	-
2015	410	226	11	18	117	38	-
2016	413	228	12	18	117	38	-
2017	448	228	12	18	117	52	21
2018	461	241	12	18	117	52	21

(1) See (1) of Table 7-2.

Source: See Table 7-1.

7-4. Length of Roads

Unit: km

End of Year	Grand Total	Highway						Urban
		Count	National	Provincial	County	Rural	Exclusive	
1952	15,619	14,734	-	1,364	2,815	10,555	-	-
1955	14,878	14,878	-	1,459	2,927	10,492	-	-
1960	15,336	15,336	-	1,956	2,947	10,433	-	-
1965	14,836	14,836	-	2,092	2,803	9,719	222	-
1969	-	-	-	-	-	-	-	-
1970	15,615	15,615	-	2,468	2,689	10,127	331	-
1975	17,172	17,172	-	2,737	3,012	11,095	328	-
1980	17,487	17,487	373	3,979	2,330	10,427	378	-
1985	19,857	19,857	382	4,100	2,593	12,394	388	-
1990	20,042	20,042	382	4,159	2,645	12,486	388	-
1995	32,197	20,031	447	4,209	2,531	12,454	390	12,167
1996	32,799	20,139	505	4,246	2,533	12,465	390	12,660
1997	33,649	20,186	549	4,321	2,461	12,465	390	13,463
1998	34,916	20,243	559	4,376	2,451	12,467	390	14,673
1999	35,593	20,343	615	4,424	2,447	12,467	390	15,250
2000	35,771	20,396	629	4,447	2,455	12,475	390	15,375
2001	36,466	20,675	739	4,515	3,401	11,630	390	15,791
2002	37,037	20,836	810	4,573	3,426	11,613	414	16,201
2003	37,310	20,967	893	4,621	3,426	11,613	414	16,343
2004	37,028	21,014	922	4,680	3,359	11,639	414	16,014
2005	37,336	21,079	933	4,720	3,359	11,653	414	16,257
2006	38,297	21,244	975	4,843	3,358	11,654	414	17,053
2007	38,526	21,403	975	5,000	3,360	11,654	414	17,123
2008	39,315	21,492	1,010	5,024	3,484	11,560	414	17,823
2009	39,849	21,781	1,010	5,092	3,518	11,765	396	18,068
2010	40,353	21,821	1,010	5,099	3,551	11,765	396	18,532
2011	41,298	21,847	1,010	5,124	3,551	11,766	396	19,451
2012	42,209	21,860	1,010	5,137	3,551	11,766	396	20,349
2013	42,820	21,926	1,050	5,132	3,573	11,775	396	20,894
2014	41,916	21,575	1,050	5,148	3,619	11,362	396	20,341
2015	41,950	21,587	1,050	5,160	3,619	11,362	396	20,363
2016	43,365	21,618	1,050	5,235	3,633	11,304	396	21,747
2017	43,206	21,710	1,050	5,262	3,602	11,383	413	21,496
2018	43,133	21,678	1,050	5,283	3,656	11,276	413	21,455

Source: See Table 7-1.

7-5. Number of Motor Vehicles Registered (1)

Unit: Vehicle

End of Year	Total(2)	Buses		Sedans (3)		Trucks & Wagons		Vehicles for Special Purposes (4)	Motor-cycles
		For Business	Private Use	For Business	Private Use	For Business	Private Use		
1952	10,710	1,379	244	490	2,089	2,197	1,827	482	2,002
1955	16,102	2,090	387	794	3,974	2,495	2,161	686	3,515
1960	48,745	2,954	490	1,660	6,395	3,458	3,994	1,826	26,468
1965	105,590	4,110	843	6,156	8,943	6,904	5,634	2,925	68,198
1970	819,104	6,365	1,589	20,692	28,849	14,155	26,850	2,875	701,421
1975	1,986,996	9,975	2,468	40,638	104,222	22,356	84,643	5,391	1,705,236
1980	4,665,433	13,535	4,469	67,166	358,277	33,768	203,753	10,106	3,965,515
1985	7,949,993	15,016	5,829	85,283	830,315	42,191	366,335	12,079	6,588,854
1990	10,051,574	15,142	5,695	103,043	2,160,375	58,694	540,532	22,465	7,145,628
1995	13,201,471	17,838	3,760	102,541	3,771,662	81,690	666,460	40,496	8,517,024
1996	14,273,465	18,285	3,487	106,826	4,039,649	79,954	697,930	43,420	9,283,914
1997	15,345,743	19,474	3,269	109,289	4,302,622	80,995	732,415	46,066	10,051,613
1998	15,959,135	19,783	3,088	112,293	4,433,195	81,549	732,545	47,642	10,529,040
1999	16,317,768	20,920	2,878	107,700	4,401,730	81,535	698,377	46,159	10,958,469
2000	17,022,689	21,175	2,748	107,257	4,608,960	83,787	724,799	50,791	11,423,172
2001	17,465,037	21,473	2,580	104,940	4,720,641	83,142	747,531	51,528	11,733,202
2002	17,906,957	22,753	2,326	101,286	4,888,050	83,384	773,399	52,002	11,983,757
2003	18,500,658	23,432	2,196	97,752	5,071,981	83,953	801,827	52,653	12,366,864
2004	19,183,136	24,411	2,042	128,155	5,262,693	89,668	829,601	52,616	12,793,950
2005	19,862,807	25,084	1,883	138,669	5,495,693	94,762	858,708	52,743	13,195,265
2006	20,307,197	25,710	1,812	142,817	5,555,507	97,680	874,121	52,522	13,557,028
2007	20,711,754	25,568	1,793	145,155	5,567,687	97,239	878,411	52,428	13,943,473
2008	21,092,358	25,616	1,723	144,112	5,530,314	95,674	877,997	51,480	14,365,442
2009	21,374,175	25,758	1,909	145,065	5,559,247	102,936	883,831	51,099	14,604,330
2010	21,721,447	27,174	1,856	160,444	5,642,969	96,753	896,797	50,522	14,844,932
2011	22,226,684	28,128	1,863	173,078	5,787,010	100,407	912,546	50,050	15,173,602
2012	22,346,398	29,328	1,770	182,209	5,909,115	103,104	920,382	60,862	15,139,628
2013	21,562,645	30,271	1,689	190,280	6,046,599	103,740	933,926	61,017	14,195,123
2014	21,290,279	31,267	1,661	200,532	6,205,246	105,395	948,754	61,464	13,735,960
2015	21,400,863	32,243	1,647	208,556	6,365,190	107,952	961,482	62,074	13,661,719
2016	21,510,650	32,880	1,651	212,923	6,453,083	109,986	968,481	63,419	13,668,227
2017	21,704,365	32,538	1,650	220,737	6,542,685	110,663	975,719	64,791	13,755,582
2018	21,871,240	32,255	1,622	228,282	6,617,429	109,958	980,831	65,343	13,835,520

(1) Excluding military vehicles.

(2) Between 1960 and 1986, figures in "Total" column included tricars and 3-wheel motor trucks .

(3) Since 2004, rental sedans have been reclassified from "Private Use" to "For Business".

(4) Including ambulances, fire engines, sweeper - trucks, sprinkler trucks, postal service vehicles etc.

Source: See Table 7-1.

7-6. Railway and Road Densities

End of Year	Meters Per Square Km		Meters Per 1,000 Persons	
	Railway (1)	Road	Railway (1)	Road
1952	47	409	209	1,813
1955	48	413	189	1,639
1960	51	426	168	1,421
1965	51	412	147	1,175
1970	58	434	141	1,064
1975	61	477	136	1,063
1980	70	486	142	982
1985	73	552	137	1,031
1990	73	557	129	996
1995	75	894	127	1,511
1996	75	911	126	1,528
1997	75	935	124	1,552
1998	77	970	127	1,596
1999	79	989	128	1,615
2000	80	993	129	1,610
2001	78	1,013	126	1,632
2002	77	1,029	124	1,650
2003	79	1,036	126	1,656
2004	89	1,028	141	1,637
2005	87	1,037	138	1,645
2006	88	1,064	140	1,680
2007	107	1,070	168	1,685
2008	106	1,092	166	1,714
2009	108	1,107	169	1,731
2010	106	1,121	165	1,750
2011	106	1,147	164	1,787
2012	106	1,172	165	1,820
2013	106	1,189	164	1,842
2014	107	1,164	165	1,799
2015	109	1,165	167	1,797
2016	108	1,204	167	1,854
2017	112	1,200	172	1,845
2018	111	1,198	171	1,840

(1) See (1) of Table 7-2.

Source: See Table 7-1.

7-7. Railway and Highway Carriers Traffic

Period	Passenger Traffic						Freight Traffic					
	Passengers (million)			Passenger-Kilometers (million)			Tonnage (1,000 mt)			Tonne-Kilometers (million)		
	Total	Railway	Motor	Total	Railway	Motor	Total	Railway	Motor	Total	Railway	Motor
1952	65	65	-	1,750	1,750	-	10,828	8,231	2,597	1,223	1,159	64
1955	97	97	-	2,550	2,550	-	28,169	22,469	5,700	1,888	1,733	156
1960	121	121	-	3,609	3,609	-	35,542	26,745	8,797	2,388	2,071	317
1965	134	134	-	4,470	4,470	-	45,290	30,192	15,098	3,024	2,415	608
1970	138	138	-	6,212	6,212	-	64,377	28,359	36,018	3,994	2,631	1,364
1975	147	147	-	8,287	8,287	-	105,407	16,534	88,873	6,540	2,702	3,838
1980	140	140	-	7,971	7,971	-	176,943	32,458	144,485	10,407	2,716	7,690
1985	131	131	-	8,309	8,309	-	219,455	29,730	189,725	11,523	2,300	9,223
1990	132	132	-	8,323	8,323	-	273,852	28,054	245,798	13,420	1,877	11,543
1995	1,347	161	1,186	25,650	9,499	16,151	321,296	30,120	291,176	14,391	1,900	12,492
1996	1,338	171	1,167	24,454	9,032	15,421	316,856	27,410	289,446	13,576	1,585	11,991
1997	1,360	197	1,163	23,924	9,507	14,417	303,551	26,571	276,980	13,679	1,514	12,165
1998	1,388	233	1,155	24,604	10,305	14,298	386,527	26,560	359,967	18,831	1,404	17,426
1999	1,459	310	1,149	25,267	11,020	14,247	375,869	25,993	349,875	19,566	1,315	18,251
2000	1,564	460	1,104	27,281	12,624	14,657	365,804	22,261	343,543	19,412	1,179	18,233
2001	1,567	476	1,091	27,505	12,269	15,237	521,587	19,287	502,300	28,820	1,010	27,810
2002	1,557	500	1,057	27,917	12,147	15,770	516,749	18,217	498,533	29,282	941	28,341
2003	1,471	478	992	25,921	11,178	14,744	529,414	16,735	512,680	29,599	864	28,735
2004	1,539	520	1,019	27,828	12,051	15,778	565,675	16,960	548,715	31,938	909	31,029
2005	1,545	531	1,013	28,356	12,255	16,100	581,083	19,251	561,831	32,192	982	31,210
2006	1,568	554	1,014	28,738	12,352	16,386	613,274	19,060	594,214	32,215	997	31,218
2007	1,623	603	1,021	31,748	15,769	15,979	634,945	17,378	617,567	31,437	890	30,547
2008	1,744	690	1,054	34,849	19,066	15,783	620,720	16,583	604,137	31,093	933	30,160
2009	1,757	719	1,039	35,160	19,277	15,882	610,886	14,144	596,742	29,847	776	29,071
2010	1,889	779	1,110	37,238	20,931	16,307	643,274	15,106	628,167	30,504	873	29,632
2011	2,029	864	1,164	39,866	22,826	17,040	652,949	14,451	638,499	30,404	853	29,551
2012	2,117	925	1,191	41,793	24,208	17,586	667,171	13,905	653,265	30,684	833	29,851
2013	2,192	972	1,220	43,250	25,323	17,928	562,597	11,167	551,430	39,203	729	38,474
2014	2,263	1,024	1,239	44,724	26,340	18,384	553,162	11,223	541,939	38,535	683	37,852
2015	2,280	1,063	1,217	44,676	27,111	17,565	542,975	11,117	531,858	38,442	636	37,805
2016	2,317	1,092	1,225	45,328	27,950	17,379	539,678	9,387	530,290	39,097	564	38,533
2017	2,358	1,123	1,235	46,057	29,004	17,053	545,050	7,971	537,079	40,865	515	40,351
2018	2,398	1,154	1,245	46,750	29,624	17,126	568,648	7,878	560,770	44,713	544	44,169

Source: See Table 7-1.

7-8a. Civil Aviation Transportation at Airports

Period	No. of Flights				Passenger Traffic		
	Total	International (including H.K. & Macau)	Cross-Strait	Domestic	Total	International	Cross-Strait
					1,000 Passengers	1,000 Passengers	1,000 Passengers
1952	5,133	-	-	-	26	-	-
1955	5,563	-	-	-	68	-	-
1960	8,276	-	-	-	122	-	-
1965	19,510	8,764	-	10,746	615	235	-
1970	66,582	26,102	-	40,480	2,533	997	-
1975	95,358	29,498	-	65,860	5,678	2,013	-
1980	126,898	37,089	-	89,809	11,198	3,759	-
1985	144,201	39,459	-	104,742	11,462	4,523	-
1990	251,823	60,691	-	191,132	19,888	9,680	-
1995	632,888	111,356	-	521,532	45,621	14,954	-
1996	700,964	123,931	-	577,033	54,103	16,157	-
1997	715,845	135,730	-	580,115	56,303	17,069	-
1998	638,344	135,023	-	503,321	51,650	16,440	-
1999	616,322	132,343	-	483,979	52,374	17,808	-
2000	586,560	138,379	-	448,181	48,407	19,780	-
2001	561,910	147,212	-	414,698	46,084	19,501	-
2002	548,555	156,023	-	392,532	44,186	20,063	-
2003	489,171	146,490	-	342,681	37,879	15,913	-
2004	504,862	175,230	-	329,632	44,117	20,756	-
2005	479,499	181,775	-	297,724	44,268	22,485	-
2006	463,506	188,274	-	275,232	43,725	23,774	-
2007	421,479	192,610	-	228,869	39,772	24,432	-
2008	357,982	172,469	2,279	183,234	35,236	22,784	419
2009	335,667	149,131	17,741	168,795	36,059	23,430	3,116
2010	360,409	155,500	33,823	171,086	41,091	25,261	5,845
2011	385,140	160,775	44,562	179,803	42,856	24,959	7,174
2012	404,695	171,610	58,513	174,572	46,860	26,937	8,962
2013	426,635	186,705	60,673	179,257	50,336	30,165	9,220
2014	454,911	198,232	72,500	184,179	55,357	33,096	11,295
2015	481,028	211,890	77,069	192,069	58,156	36,162	11,821
2016	527,025	236,554	74,159	216,312	63,253	40,723	11,256
2017	509,181	242,290	66,509	200,382	65,979	44,034	10,441
2018	547,193	255,180	69,999	222,014	68,904	46,182	10,740

Source: See Table 7-1.

7-8b. Civil Aviation Transportation at Airports (Continued)

Period	Passenger Traffic		Freight Traffic				
	Domestic	Transit	Total	International	Cross-Strait	Domestic	Transit
	1,000 Passengers	1,000 Passengers	1,000 mt	1,000 mt	1,000 mt	1,000 mt	1,000 mt
1955	-	-	2.1	-	-	-	-
1960	-	-	4.6	-	-	-	-
1965	380	-	10.7	7.9	-	2.8	-
1970	1,536	-	45.9	33.7	-	12.2	-
1975	3,664	-	132.8	105.1	-	27.7	-
1980	6,150	1,289	237.1	212.2	-	24.9	-
1985	5,854	1,085	328.0	302.2	-	25.8	-
1990	9,043	1,165	662.1	625.4	-	36.7	-
1995	28,773	1,894	836.9	744.4	-	31.4	61.1
1996	35,902	2,044	885.2	791.8	-	29.4	64.0
1997	37,400	1,835	1,015.7	909.9	-	31.2	74.6
1998	33,294	1,916	1,032.8	936.4	-	26.4	70.0
1999	32,534	2,031	1,173.4	1,064.3	-	30.6	78.5
2000	26,650	1,976	1,338.2	1,214.9	-	33.9	89.5
2001	24,614	1,970	1,310.2	1,035.6	-	37.4	237.3
2002	21,890	2,233	1,513.9	1,137.6	-	44.2	332.0
2003	20,052	1,914	1,622.7	1,186.0	-	43.7	393.0
2004	20,995	2,365	1,823.1	1,254.9	-	40.6	527.6
2005	19,294	2,489	1,818.8	1,216.0	-	37.4	565.3
2006	17,365	2,586	1,809.6	1,208.0	-	40.2	561.4
2007	12,711	2,630	1,708.7	1,191.1	-	40.0	477.5
2008	9,850	2,183	1,587.3	1,033.8	1.5	36.7	515.2
2009	9,233	279	1,743.8	866.7	66.3	36.9	773.9
2010	9,733	251	2,335.5	1,017.7	146.2	36.7	1,134.9
2011	10,484	239	2,178.9	951.8	156.8	35.9	1,034.3
2012	10,680	282	2,091.3	930.7	171.4	36.2	953.1
2013	10,547	403	2,084.7	905.7	176.8	35.5	966.6
2014	10,563	402	2,221.7	943.8	200.8	35.1	1,042.0
2015	9,798	374	2,150.6	934.6	201.6	33.2	981.2
2016	10,843	431	2,233.0	996.0	218.7	31.8	986.5
2017	11,097	406	2,416.0	1,077.5	236.2	30.4	1,072.0
2018	11,592	390	2,463.3	1,083.0	233.1	30.0	1,117.2

Note: According to the ACI definition, the statistical classifications below have been revised from 2009:

- (1) international line and cross-strait passenger is revised to contain transfer passenger (counted twice);
- (2) the transit is revised to contain direct transit only;
- (3) the transshipment cargo is revised to be counted twice.

7-9a. Freight Handled at Seaports(1)

Unit: 1,000 Revenue Tons

Period	Loading and Unloading								Loading		
	Grand Total	Keelung Port	Kaohsiung Port	Hualien Port	Taichung Port	Su-ao Port	Anping Port	Taipei Port	Subtotal	Keelung Port	Kaohsiung Port
1952	3,303	1,627	1,528	149	-	-	-	-	1,468	634	767
1955	4,919	2,093	2,648	178	-	-	-	-	2,023	689	1,241
1960	6,892	2,372	4,236	284	-	-	-	-	3,022	830	2,013
1965	12,295	4,115	7,856	324	-	-	-	-	5,851	1,698	3,933
1970	25,016	8,643	15,984	389	-	-	-	-	8,997	2,936	5,820
1975	45,911	16,885	28,221	805	-	-	-	-	14,044	5,901	7,754
1980	116,450	35,186	71,850	3,398	4,747	1,269	-	-	43,124	13,651	26,781
1985	183,910	49,936	118,572	3,902	7,917	3,583	-	-	73,892	23,460	44,801
1990	301,062	79,615	190,945	5,172	21,261	4,069	-	-	114,462	35,194	71,799
1995	420,168	94,442	261,654	9,497	49,170	5,405	-	-	156,230	39,061	100,798
1996	432,625	89,407	266,929	9,743	60,436	6,109	-	-	162,198	38,036	102,032
1997	483,402	85,406	310,039	11,594	69,783	6,580	-	-	182,127	35,330	119,670
1998	494,018	76,149	328,289	12,488	70,803	6,290	-	-	188,050	29,265	130,584
1999	534,086	76,542	358,124	14,670	79,238	5,511	-	-	209,518	28,390	146,247
2000	566,950	88,336	375,406	15,556	82,014	5,639	-	-	223,728	33,122	153,983
2001	552,873	82,418	373,747	15,263	75,368	4,784	1,292	-	221,154	31,741	154,345
2002	606,711	88,911	410,687	17,160	81,508	5,563	2,881	-	243,914	34,456	170,123
2003	635,577	93,104	429,644	18,057	84,574	5,623	4,576	-	254,640	35,170	177,869
2004	696,241	97,766	468,913	21,751	88,902	6,074	5,092	7,743	277,114	36,218	195,393
2005	687,927	99,167	455,426	21,950	88,430	6,522	6,702	9,732	273,389	36,938	190,851
2006	706,506	99,479	464,884	20,072	90,323	6,604	11,150	13,994	279,718	38,102	197,761
2007	710,259	97,210	477,622	19,381	90,795	6,018	7,547	11,685	288,176	39,641	204,603
2008	668,279	91,261	448,992	17,420	89,294	5,003	6,671	9,637	271,531	36,900	193,630
2009	605,746	69,991	397,196	13,730	89,205	5,177	6,686	23,761	244,345	27,777	172,364
2010	655,400	76,675	423,074	14,268	107,031	5,756	1,237	27,360	265,842	30,795	185,097
2011	678,995	75,419	437,642	13,286	107,710	5,482	1,116	38,341	275,469	30,326	191,247
2012	690,802	69,403	440,301	11,226	111,170	5,002	1,173	52,528	284,552	28,258	194,914
2013	705,754	69,381	441,453	13,056	120,509	5,210	1,434	54,712	289,697	28,083	196,040
2014	748,615	72,239	467,809	13,481	122,620	5,220	1,241	66,004	308,440	29,119	209,143
2015	721,386	62,479	450,383	12,551	121,917	4,896	1,163	67,997	295,762	24,806	201,338
2016	733,561	58,622	456,377	9,824	127,240	4,915	1,427	75,157	303,949	23,095	205,106
2017	725,504	60,192	450,043	8,833	128,675	4,307	1,646	71,808	300,139	23,926	202,631
2018	740,852	61,895	458,925	9,034	129,357	4,773	1,445	75,424	308,174	25,178	205,735

(1) The conversion factor from TEUS to Revenue Tons is 36 in containerized cargo.

Source: See Table 7-1.

7-9b. Freight Handled at Seaports (Continued)

Unit: 1,000 Revenue Tons

Period	Loading					Unloading							
	Hualien Port	Taichung Port	Su-ao Port	Anping Port	Taipei Port	Subtotal	Keelung Port	Kaohsiung Port	Hualien Port	Taichung Port	Su-ao Port	Anping Port	Taipei Port
1952	67	-	-	-	-	1,835	993	760	82	-	-	-	-
1955	93	-	-	-	-	2,896	1,404	1,407	85	-	-	-	-
1960	179	-	-	-	-	3,870	1,542	2,223	105	-	-	-	-
1965	220	-	-	-	-	6,444	2,417	3,923	104	-	-	-	-
1970	241	-	-	-	-	16,019	5,707	10,164	148	-	-	-	-
1975	389	-	-	-	-	31,867	10,984	20,467	416	-	-	-	-
1980	2,093	394	205	-	-	73,326	21,535	45,069	1,305	4,353	1,064	-	-
1985	2,902	933	1,796	-	-	110,018	26,476	73,771	1,000	6,984	1,787	-	-
1990	3,087	3,260	1,122	-	-	186,600	44,421	119,146	2,085	18,001	2,947	-	-
1991	3,569	4,974	1,078	-	-	204,160	48,660	127,539	2,315	22,573	3,072	-	-
1992	3,708	6,095	1,021	-	-	217,154	48,647	133,518	2,608	28,577	3,804	-	-
1993	5,295	6,571	1,631	-	-	243,019	51,262	151,535	2,781	33,369	4,071	-	-
1994	5,483	7,554	1,729	-	-	254,248	54,364	155,035	3,524	37,472	3,854	-	-
1995	5,639	8,886	1,846	-	-	263,938	55,381	160,856	3,857	40,284	3,559	-	-
1996	6,413	13,173	2,543	-	-	270,427	51,371	164,897	3,330	47,263	3,565	-	-
1997	7,722	16,407	2,998	-	-	301,275	50,076	190,369	3,872	53,377	3,582	-	-
1998	8,813	16,894	2,494	-	-	305,968	46,884	197,704	3,675	53,909	3,796	-	-
1999	10,744	21,509	2,628	-	-	324,567	48,152	211,876	3,927	57,730	2,883	-	-
2000	12,156	21,794	2,673	-	-	343,222	55,214	221,422	3,400	60,220	2,966	-	-
2001	12,061	20,914	1,980	113	-	331,719	50,677	219,402	3,202	54,454	2,805	1,180	-
2002	13,972	23,176	2,071	117	-	362,796	54,455	240,565	3,188	58,332	3,492	2,764	-
2003	14,801	24,739	1,926	135	-	380,937	57,934	251,774	3,256	59,835	3,697	4,442	-
2004	18,328	24,833	2,187	147	9	419,127	61,548	273,519	3,423	64,069	3,888	4,946	7,734
2005	18,715	24,033	2,650	176	25	414,538	62,228	264,575	3,235	64,396	3,872	6,525	9,707
2006	16,799	24,001	2,531	177	346	426,788	61,377	267,123	3,273	66,322	4,073	10,973	13,647
2007	15,900	25,019	2,555	153	304	422,084	57,569	273,019	3,482	65,776	3,463	7,394	11,381
2008	14,192	24,431	1,842	228	307	396,749	54,361	255,362	3,228	64,862	3,162	6,443	9,329
2009	11,365	23,592	2,053	65	7,129	361,400	42,214	224,832	2,364	65,613	3,124	6,621	16,632
2010	10,972	27,183	2,162	72	9,561	389,558	45,879	237,978	3,295	79,848	3,594	1,165	17,799
2011	9,821	28,176	2,112	93	13,694	403,527	45,093	246,395	3,465	79,534	3,371	1,023	24,647
2012	7,773	30,287	1,575	138	21,607	406,250	41,145	245,387	3,453	80,883	3,426	1,035	30,920
2013	9,557	33,397	1,472	391	20,757	416,057	41,297	245,413	3,498	87,112	3,738	1,043	33,956
2014	9,785	32,823	1,284	180	26,106	440,174	43,120	258,666	3,696	89,797	3,936	1,061	39,898
2015	8,954	32,559	948	174	26,983	425,624	37,673	249,046	3,597	89,358	3,948	989	41,014
2016	6,832	37,196	1,235	347	30,140	429,611	35,527	251,271	2,992	90,044	3,681	1,080	45,017
2017	5,761	36,545	1,011	395	29,870	425,365	36,266	247,411	3,072	92,131	3,296	1,251	41,938
2018	6,082	37,060	1,334	185	32,601	432,678	36,717	253,190	2,952	92,297	3,439	1,259	42,824

7-10. Imports and Exports Carried by National & Foreign Vessels

Unit: 1,000 mt

Period	Imports and Exports				Imports				Exports			
	Total	Foreign Vessel	National Vessel	National Vessel %	Subtotal	Foreign Vessel	National Vessel	National Vessel %	Subtotal	Foreign Vessel	National Vessel	National Vessel %
1952	1,859	1,056	803	43.2	1,097	888	209	19.1	762	168	594	78.0
1955	3,136	1,938	1,198	38.2	1,860	1,359	501	26.9	1,276	579	697	54.6
1960	4,762	2,487	2,275	47.8	2,806	1,461	1,345	47.9	1,956	1,026	930	47.5
1965	8,731	4,837	3,894	44.6	5,102	2,817	2,285	44.8	3,629	2,020	1,609	44.3
1970	17,423	10,904	6,519	37.4	13,131	8,119	5,012	38.2	4,292	2,785	1,507	35.1
1975	27,629	17,458	10,171	36.8	23,328	14,000	9,328	40.0	4,301	3,458	843	19.6
1980	60,262	46,980	13,282	22.0	51,168	39,620	11,548	22.6	9,094	7,360	1,734	19.1
1985	71,607	44,532	27,075	37.8	55,592	31,794	23,798	42.8	16,015	12,738	3,278	20.5
1990	112,181	77,602	34,580	30.8	96,742	66,054	30,688	31.7	15,439	11,548	3,891	25.2
1995	134,693	101,839	32,853	24.4	115,917	87,119	28,797	24.8	18,776	14,720	4,056	21.6
1996	137,533	95,171	42,361	30.8	116,563	78,585	37,978	32.6	20,969	16,586	4,383	20.9
1997	158,383	116,643	41,741	26.4	135,868	98,412	37,456	27.6	22,516	18,231	4,285	19.0
1998	154,125	110,153	43,972	28.5	132,060	92,448	39,612	30.0	22,065	17,705	4,360	19.8
1999	167,116	118,596	48,520	29.0	140,829	96,514	44,315	31.5	26,287	22,081	4,205	16.0
2000	173,640	122,385	51,256	29.5	143,988	97,714	46,274	32.1	29,653	24,671	4,982	16.8
2001	184,078	138,223	45,855	24.9	145,082	104,267	40,815	28.1	38,997	33,956	5,040	12.9
2002	197,307	154,158	43,150	21.9	155,830	117,163	38,667	24.8	41,477	36,994	4,483	10.8
2003	207,563	171,631	35,932	17.3	162,753	130,821	31,933	19.6	44,810	40,810	3,999	8.9
2004	222,785	190,805	31,980	14.4	174,935	146,467	28,469	16.3	47,849	44,338	3,511	7.3
2005	210,379	182,365	28,014	13.3	162,365	137,956	24,409	15.0	48,015	44,410	3,605	7.5
2006	210,607	189,446	21,161	10.0	163,049	144,020	19,029	11.7	47,558	45,426	2,132	4.5
2007	224,508	203,144	21,365	9.5	173,699	154,697	19,001	10.9	50,810	48,446	2,363	4.7
2008	219,928	199,462	20,466	9.3	174,182	155,995	18,187	10.4	45,745	43,467	2,279	5.0
2009	202,788	177,560	25,228	12.4	157,039	134,546	22,493	14.3	45,750	43,015	2,735	6.0
2010	218,083	196,072	22,011	10.1	168,826	150,560	18,266	10.8	49,257	45,512	3,745	7.6
2011	214,687	190,362	24,325	11.3	167,340	147,357	19,983	11.9	47,347	43,005	4,342	9.2
2012	212,720	185,683	27,037	12.7	166,186	143,533	22,653	13.6	46,534	42,150	4,384	9.4
2013	216,510	188,989	27,520	12.7	169,083	146,512	22,571	13.3	47,427	42,477	4,949	10.4
2014	225,737	196,753	28,985	12.8	177,777	153,511	24,265	13.6	47,960	43,241	4,719	9.8
2015	213,244	183,325	29,919	14.0	168,377	142,929	25,447	15.1	44,868	40,396	4,472	10.0
2016	220,974	196,365	24,610	11.1	172,618	152,228	20,390	11.8	48,356	44,136	4,220	8.7
2017	224,663	201,365	23,298	10.4	176,698	157,513	19,186	10.9	47,965	43,853	4,112	8.6
2018	219,524	191,029	28,495	13.0	170,292	146,268	24,024	14.1	49,232	44,761	4,471	9.1

Source: See Table 7-1.

7-11. Number of R.O.C.- Registered Ships and Volume of Cargo

Period	National-Flagged			Cargo Tonnage (1,000 mt)	Ton-nautical Mileage (Million Tonne- Nautical Miles)
	No. of Vessels (1)	Gross Registered Tonnage (GRT) (Tons)	Deadweight Tonnage (DWT) (Tons)		
1952	126	365,306	480,730	2,837	7,055
1955	94	288,352	392,841	2,216	8,216
1960	83	347,173	503,586	2,795	11,760
1965	145	761,058	1,072,678	5,887	27,305
1970	170	1,129,916	1,716,431	8,613	44,800
1975	168	1,308,683	2,045,276	13,023	93,771
1980	178	1,806,216	2,704,909	24,085	136,196
1985	227	4,267,129	6,654,260	48,652	299,691
1990	254	5,922,976	9,179,151	83,462	479,348
1995	270	6,011,431	9,244,182	123,614	568,529
1996	284	6,066,699	9,326,984	130,052	610,350
1997	285	5,958,906	9,192,129	114,108	567,706
1998	285	5,539,486	8,771,344	109,885	519,624
1999	290	5,445,290	8,630,749	111,719	557,201
2000	288	5,336,130	8,391,652	110,271	527,891
2001	280	4,790,827	7,472,055	101,533	359,295
2002	272	4,234,607	6,789,777	101,091	312,823
2003	267	3,735,331	6,091,318	95,440	247,560
2004	272	3,707,112	5,998,971	96,735	195,066
2005	270	3,374,761	5,484,290	85,853	180,710
2006	258	3,005,203	4,962,058	78,135	154,245
2007	262	2,853,241	4,672,289	70,291	125,847
2008	267	2,868,332	4,709,741	65,250	129,950
2009	267	2,703,834	4,237,587	53,972	113,343
2010	278	2,789,176	4,400,330	55,390	114,607
2011	290	2,888,558	4,493,037	53,477	126,859
2012	288	3,113,599	4,672,453	47,727	97,230
2013	295	3,373,753	4,977,349	49,521	107,343
2014	304	3,635,946	5,284,951	54,997	116,643
2015	313	3,847,758	5,481,654	55,414	121,382
2016	278	3,463,074	4,958,454	55,472	122,086
2017	283	3,578,719	5,120,324	51,744	111,127
2018	267	4,173,822	6,136,249	64,082	143,019

(1) The number of national vessels registered refers to those with a gross tonnage of 100 tons or more, and includes cargo and passenger vessels, but excludes fishing and non-operated vessels.

Source: See Table 7-1.

7-12. Number of Visitors Arriving by Residence

Unit: Persons

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	5,567,277	6,087,484	7,311,470	8,016,280	9,910,204	10,439,785	10,690,279	10,739,601	11,066,707
Mainland China	1,630,735	1,784,185	2,586,428	2,874,702	3,987,152	4,184,102	3,511,734	2,732,549	2,695,615
Hong Kong & Macau	794,362	817,944	1,016,356	1,183,341	1,375,770	1,513,597	1,614,803	1,692,063	1,653,654
Japan	1,080,153	1,294,758	1,432,315	1,421,550	1,634,790	1,627,229	1,895,702	1,898,854	1,969,151
Korea, Rep. of	216,901	242,902	259,089	351,301	527,684	658,757	884,397	1,054,708	1,019,441
Malaysia	285,734	307,898	341,032	394,326	439,240	431,481	474,420	528,019	526,129
Singapore	241,334	299,599	327,253	364,733	376,235	393,037	407,267	425,577	427,222
Indonesia	123,834	156,281	163,598	171,299	182,704	177,743	188,720	189,631	210,985
Philippines	87,944	101,539	105,130	99,698	136,978	139,217	172,475	290,784	419,105
Thailand	92,949	102,902	97,712	104,138	104,812	124,409	195,640	292,534	320,008
Canada	64,739	67,545	70,614	72,693	88,601	90,666	106,197	117,687	128,456
United States	395,729	412,617	411,416	414,060	458,691	479,452	523,888	561,365	580,072
France	26,455	29,082	31,452	32,384	36,379	38,364	42,380	46,822	52,687
Germany	42,446	44,644	45,054	46,533	52,507	54,954	59,798	65,983	65,330
Italy	12,246	12,407	12,932	13,663	14,895	15,615	17,102	18,596	19,577
Netherlands	13,158	14,401	15,797	16,443	18,498	19,267	23,254	25,492	25,835
United Kingdom	44,430	43,419	42,776	42,438	58,201	58,784	59,867	64,858	71,030
Australia	62,254	60,067	63,597	65,777	78,674	76,122	82,361	90,892	102,541
South Africa	4,066	4,709	4,222	4,164	4,504	4,893	5,077	5,757	5,596
Others	347,808	290,585	284,697	343,037	333,889	352,096	425,197	637,430	774,273

Source: See Table 7-1.

7-13. Number of Visitors Arriving by Visiting Purpose

Unit: Persons

End of Year	Total	Business	Pleasure	Visit Relatives	Conference	Study	Exhibitions	Medical Treatment	Others
1982	1,419,178	145,692	1,104,713	54,620	-	13,766	-	-	100,387
1985	1,451,659	223,993	900,024	87,445	7,216	16,860	-	-	216,121
1990	1,934,084	400,362	1,037,866	139,000	12,194	25,664	-	-	318,998
1995	2,331,934	651,968	940,451	240,009	24,131	28,093	-	-	447,282
1996	2,358,221	704,450	904,489	241,704	25,931	27,320	-	-	454,327
1997	2,372,232	750,059	843,008	244,996	28,585	25,399	-	-	480,185
1998	2,298,706	770,557	762,026	242,223	30,242	24,322	-	-	469,336
1999	2,411,248	806,159	782,938	257,683	31,194	27,054	-	-	506,220
2000	2,624,037	900,339	870,929	279,243	34,879	27,808	-	-	510,839
2001	2,831,035	848,732	1,021,572	332,834	39,390	26,971	-	-	561,536
2002	2,977,692	831,465	1,028,635	329,751	39,485	61,904	-	-	686,452
2003	2,248,117	698,792	695,277	280,022	31,545	48,575	-	-	493,906
2004	2,950,342	920,377	1,031,713	374,008	43,616	37,324	-	-	543,304
2005	3,378,118	944,487	1,381,637	379,252	49,686	38,717	-	-	584,339
2006	3,519,827	949,836	1,510,207	377,455	52,634	38,649	-	-	591,046
2007	3,716,063	930,775	1,648,507	395,760	57,839	41,901	-	-	641,281
2008	3,845,187	881,431	1,775,229	404,692	59,226	45,229	-	-	679,380
2009	4,395,004	795,669	2,298,334	413,942	68,925	54,701	-	-	763,433
2010	5,567,277	937,777	3,246,005	496,627	88,097	62,681	-	-	736,090
2011	6,087,484	984,845	3,633,856	500,131	81,780	62,829	-	-	824,043
2012	7,311,470	893,767	4,677,330	444,213	62,988	62,719	15,789	58,444	1,096,220
2013	8,016,280	927,262	5,479,099	469,877	61,608	75,938	16,316	100,083	886,097
2014	9,910,204	769,665	7,192,095	393,656	63,135	56,562	13,316	60,951	1,360,824
2015	10,439,785	758,889	7,505,457	408,034	60,777	59,204	13,749	67,298	1,566,377
2016	10,690,279	732,968	7,560,753	428,625	64,704	67,954	14,876	38,260	1,782,139
2017	10,739,601	744,402	7,648,509	455,429	66,519	73,135	16,274	30,764	1,704,569
2018	11,066,707	738,027	7,594,251	483,052	73,529	76,925	17,355	34,701	2,048,867

Source: See Table 7-1.

7-14. Postal Establishments and Mail Routes

End of Year	No. of Postal Establishments	Mail Routes (km)			
		Total	By Land	By Air	By Sea
1952	1,544	50,396	3,313	25,962	21,121
1955	2,524	96,249	19,695	39,263	37,291
1960	6,114	116,389	28,705	45,834	41,850
1965	7,008	166,766	33,527	51,608	81,631
1970	8,149	200,200	34,464	56,205	109,531
1975	9,443	500,058	34,610	284,114	181,334
1980	11,534	759,185	35,685	420,467	303,033
1985	12,441	1,490,855	96,157	856,775	537,923
1990	12,700	1,607,639	118,076	936,394	553,169
1995	14,335	1,833,913	123,191	1,126,453	584,269
1996	14,638	1,835,440	123,914	1,127,257	584,269
1997	13,961	1,845,096	122,870	1,137,957	584,269
1998	14,014	1,862,818	125,592	1,152,957	584,269
1999	14,414	1,905,696	125,592	1,195,835	584,269
2000	12,656	1,903,222	123,118	1,195,835	584,269
2001	11,216	1,901,895	113,450	1,204,176	584,269
2002	10,325	1,902,638	114,396	1,203,973	584,269
2003	9,976	1,904,383	116,141	1,203,973	584,269
2004	6,755	1,904,894	116,652	1,203,973	584,269
2005	6,420	1,903,028	114,731	1,203,973	584,324
2006	5,341	1,903,029	114,731	1,203,973	584,325
2007	4,823	1,903,283	114,985	1,203,973	584,325
2008	2,570	1,912,832	115,330	1,203,341	594,161
2009	2,681	1,919,509	118,958	1,205,582	594,969
2010	2,600	1,920,028	119,477	1,205,582	594,969
2011	2,595	1,920,161	119,610	1,205,582	594,969
2012	2,610	1,920,551	120,056	1,205,582	594,913
2013	2,609	1,920,101	119,606	1,205,582	594,913
2014	2,544	1,919,552	119,057	1,205,582	594,913
2015	2,463	1,919,338	118,843	1,205,582	594,913
2016	2,390	1,918,300	117,805	1,205,582	594,913
2017	2,362	1,909,068	110,651	1,205,788	592,629
2018	2,297	1,907,373	108,956	1,205,788	592,629

Sources: The data are provided by the Chunghwa Post Co., Ltd., and the Ministry of Transportation and Communications, R.O.C.

7-15a. Volume of Postal Service

Period	Correspondence (million pieces) (1)						Speedpost (1,000 pieces)		
	Accepted			Delivered			Total	Domestic	International
	Total	Domestic	International	Total	Domestic	International			
1952	62.3	60.3	2.0	70.4	67.0	3.4	-	-	-
1955	124.8	121.6	3.2	146.8	140.6	6.2	-	-	-
1960	358.5	351.0	7.5	370.4	358.6	11.8	-	-	-
1965	379.5	369.2	10.3	382.2	369.2	13.0	-	-	-
1970	552.8	528.5	24.3	577.3	556.0	21.3	-	-	-
1975	804.3	756.3	48.0	854.9	814.7	40.2	-	-	-
1980	923.2	852.2	71.0	958.7	909.5	49.2	56	-	56
1985	1,318.0	1,246.4	71.6	1,363.5	1,289.5	74.0	930	331	599
1990	1,707.7	1,641.2	66.5	1,984.7	1,901.2	83.5	3,709	2,412	1,297
1995	2,141.5	2,073.2	68.3	2,434.8	2,350.4	84.4	5,953	4,384	1,569
1996	2,219.2	2,159.7	59.5	2,563.3	2,475.6	87.7	6,823	5,196	1,627
1997	2,401.4	2,345.5	55.9	2,750.7	2,661.8	88.9	7,528	5,881	1,647
1998	2,589.3	2,536.7	52.6	2,915.7	2,823.7	92.0	8,226	6,514	1,712
1999	2,705.2	2,649.7	55.5	3,052.5	2,956.7	95.8	9,281	7,493	1,788
2000	3,087.9	3,040.2	47.7	3,410.1	3,304.2	105.9	10,435	8,660	1,775
2001	2,891.5	2,850.7	40.8	3,304.7	3,209.5	95.2	7,423	5,950	1,473
2002	2,876.1	2,837.9	38.2	3,316.7	3,227.1	89.6	5,846	4,458	1,388
2003	2,731.3	2,696.9	34.4	3,223.6	3,135.5	88.1	5,854	4,350	1,504
2004	2,815.1	2,779.6	35.5	3,279.2	3,197.9	81.3	5,862	4,346	1,516
2005	2,808.4	2,779.4	29.0	3,256.2	3,186.4	69.8	5,908	4,342	1,566
2006	2,663.0	2,640.0	23.0	3,187.3	3,125.9	61.4	5,674	4,081	1,593
2007	2,670.0	2,649.0	21.0	3,108.5	3,050.0	58.5	5,794	4,117	1,677
2008	2,645.9	2,623.7	22.2	3,185.0	3,132.2	52.8	6,294	4,588	1,706
2009	2,625.8	2,607.6	18.2	2,942.0	2,898.0	44.0	6,497	4,791	1,706
2010	2,728.0	2,700.7	27.3	3,004.6	2,961.8	42.8	6,239	4,461	1,778
2011	2,780.5	2,747.1	33.4	3,173.4	3,130.3	43.1	7,671	5,859	1,812
2012	2,706.4	2,685.9	20.5	3,165.6	3,124.0	41.6	7,653	5,799	1,854
2013	2,700.0	2,673.4	26.6	3,153.1	3,118.9	34.2	7,538	5,633	1,905
2014	2,755.1	2,734.3	20.8	3,053.5	3,023.6	29.9	8,194	6,300	1,894
2015	2,612.1	2,593.1	19.0	2,826.9	2,800.9	26.0	8,859	7,008	1,851
2016	2,504.2	2,479.4	24.8	2,719.0	2,695.8	23.2	9,806	8,127	1,679
2017	2,351.7	2,331.1	20.6	2,505.0	2,480.9	24.1	10,849	9,353	1,496
2018	2,152.0	2,108.7	43.3	2,252.5	2,227.4	25.1	12,457	11,056	1,401

(1) Excluding parcels.

Source: See Table 7-14.

7-15b. Volume of Postal Service (Continued)

Period	Parcels (1,000 pieces)					
	Accepted			Delivered		
	Total	Domestic	International	Total	Domestic	International
1952	427	408	19	450	401	49
1955	650	612	38	640	587	53
1960	3,568	3,446	122	3,506	3,373	133
1965	4,862	4,642	220	4,746	4,574	172
1970	6,773	6,312	461	6,803	6,460	343
1975	7,255	6,467	788	7,339	6,805	534
1980	9,624	8,514	1,110	9,474	8,928	546
1985	9,631	8,318	1,313	9,248	8,652	596
1990	11,009	10,198	811	11,273	10,462	811
1995	18,213	17,548	665	18,741	18,121	620
1996	18,319	17,689	630	18,683	18,104	579
1997	18,373	17,795	578	18,736	18,146	590
1998	16,917	16,396	521	17,350	16,862	488
1999	16,147	15,623	524	16,539	16,085	454
2000	17,287	16,743	544	17,842	17,395	447
2001	10,631	10,078	553	10,952	10,605	347
2002	7,973	7,395	578	8,209	7,862	347
2003	8,953	8,376	577	9,181	8,815	366
2004	12,108	11,543	565	12,668	12,259	409
2005	15,767	15,216	551	16,720	16,333	387
2006	17,897	17,321	576	18,901	18,506	395
2007	19,958	19,349	609	21,560	21,152	408
2008	24,268	23,608	660	26,230	25,813	417
2009	25,351	24,657	694	26,980	26,568	412
2010	26,352	25,660	692	29,326	28,901	425
2011	27,214	26,533	681	30,192	29,740	452
2012	27,946	27,244	702	30,601	30,134	467
2013	25,600	24,922	678	28,159	27,669	490
2014	23,562	22,878	684	25,908	25,377	531
2015	24,172	23,450	722	26,559	25,927	632
2016	23,833	23,091	742	26,258	25,617	641
2017	24,605	23,920	685	26,997	26,314	683
2018	25,737	25,069	668	28,456	27,775	681

7-16 Telephone Traffic and Subscriptions

Period	Fixed Telephone Traffic (Outgoing)			Telephone Volume between the Straits		Mobile Telephone Traffic (Outgoing)	Local Telephone Service	Mobile Telephone Service
	Local	Long-Distance	International	Incoming	Outgoing		No. of Subscriptions	No. of Subscriptions
	Million Minutes	Million Minutes	1,000 Minutes	1,000 Minutes	1,000 Minutes	Million Minutes		
1952	-	-	59	-	-		24,609	-
1955	-	-	109	-	-		33,531	-
1960	-	-	119	-	-		56,168	-
1965	-	-	258	-	-		98,520	-
1970	-	-	2,131	-	-		249,420	-
1975	-	-	8,396	-	-		774,233	-
1980	-	-	22,945	-	-		2,322,816	-
1985	-	-	58,020	-	-		4,227,992	-
1990	-	-	241,928	-	-		6,300,755	83,482
1995	-	-	593,023	-	-		9,174,813	772,165
1996	35,919	24,909	700,502	115,163	168,740		10,010,614	970,473
1997	44,898	10,979	789,061	151,720	198,069		10,862,327	1,491,609
1998	50,648	11,089	860,878	180,643	236,141	3,257	11,500,361	4,727,045
1999	54,316	10,152	958,264	214,145	286,034	9,553	12,043,756	11,541,139
2000	66,208	9,107	1,058,378	241,113	342,988	15,807	12,642,193	17,873,829
2001	61,625	8,022	1,514,416	321,953	509,835	19,156	12,857,775	21,786,384
2002	50,034	7,466	2,153,914	473,224	758,784	21,620	13,099,416	24,390,520
2003	38,254	7,027	3,076,736	523,942	987,262	24,006	13,355,032	25,799,839
2004	30,703	6,505	3,131,670	645,109	1,286,703	26,890	13,529,923	22,760,144
2005	24,839	6,057	3,468,293	790,815	1,369,444	28,869	13,615,439	22,170,702
2006	21,309	5,554	3,841,016	875,980	1,505,976	29,958	13,473,461	23,249,262
2007	19,509	5,002	3,879,449	784,837	1,566,245	31,230	13,302,004	24,301,971
2008	17,914	4,694	3,993,877	714,055	1,538,542	33,539	13,082,115	25,412,514
2009	16,794	4,401	4,192,733	576,594	1,423,250	36,664	12,820,993	26,958,772
2010	15,626	4,490	4,650,852	552,920	1,496,327	39,968	12,696,000	27,839,527
2011	14,475	4,322	4,666,714	470,973	1,364,128	42,407	12,687,515	28,861,762
2012	13,331	4,446	4,941,466	321,077	1,186,400	43,476	12,411,410	29,585,674
2013	12,216	4,290	3,800,525	353,651	873,445	37,579	12,229,395	29,823,029
2014	11,086	3,833	2,960,807	310,080	794,239	31,663	12,054,619	30,080,185
2015	9,988	3,515	2,330,693	247,510	616,522	26,794	11,885,451	29,369,108
2016	9,026	3,211	1,829,726	181,607	427,882	22,648	11,695,027	28,928,587
2017	8,005	2,881	1,366,845	153,076	256,131	18,161	11,453,595	28,656,487
2018	6,898	2,519	1,088,303	120,018	173,183	14,698	11,208,833	29,219,965

Source: The data are provided by the National Communications Commission, R.O.C.

7-17. Broadband Internet Accounts

End of Year	Fixed-Broadband Internet Accounts					Wireless-Broadband Internet Accounts		
	Total	ADSL	FTTx	Cable Modem	Leased Line	Total	PWLAN (1)	Mobile (2)
2002	2,098,485	1,832,742	-	247,688	18,055	2,110	2,110	-
2003	3,027,293	2,552,164	-	452,459	22,670	15,980	15,980	-
2004	3,717,385	3,169,202	-	526,209	21,974	33,829	33,829	-
2005	4,301,217	3,738,673	-	541,310	21,234	39,672	39,672	-
2006	4,451,852	4,002,365	-	419,912	29,575	3,321,935	53,948	3,267,987
2007	4,744,733	3,657,261	554,966	502,629	29,877	6,578,522	48,956	6,529,566
2008	4,968,120	3,026,166	1,259,041	648,910	34,003	10,841,248	56,254	10,784,994
2009	4,943,665	2,581,593	1,532,164	810,034	19,874	14,266,347	54,050	14,212,297
2010	5,265,026	2,360,485	1,957,840	927,637	19,064	16,579,979	46,573	16,533,406
2011	5,464,082	2,124,588	2,302,158	1,013,796	23,540	17,917,183	51,846	17,865,337
2012	5,561,711	1,820,462	2,633,495	1,081,623	26,131	18,708,463	887,108	17,821,355
2013	5,634,000	1,553,579	2,895,437	1,153,898	31,086	19,477,104	1,377,934	18,099,170
2014	5,669,614	1,360,787	3,096,263	1,208,765	3,799	20,738,470	1,767,005	18,971,465
2015	5,656,330	1,062,190	3,345,238	1,245,418	3,484	21,044,428	1,960,775	19,083,653
2016	5,685,764	865,786	3,525,140	1,292,081	2,757	21,865,412	106,235	21,759,177
2017	5,713,333	743,100	3,620,861	1,346,602	2,770	24,537,495	109,561	24,427,934
2018	5,723,029	628,621	3,673,962	1,417,793	2,653	26,772,122	37,155	26,734,967

(1) The figures before 2016 refer to PWLAN accounts registered. The figures after 2016 refer to PWLAN accounts with actual use.

(2)The figures refer to mobile-broadband subscriptions with Internet access.

Source: See Table 7-16.

8. MONEY AND BANKING

8-1a. Principal Financial Indicators

End of Year	Monetary Aggregates (M _{1B})	Deposits of Monetary Financial Institutions (1)	Loans & Investments of Monetary Financial Institutions	Reserve Money (2)	Discount Rate (percent per annum)
I. Amount (NT\$ billion)					
1961	8	20	20	6	14.40
1965	16	44	41	11	11.52
1970	35	101	99	21	9.80
1975	131	345	382	76	10.75
1980	396	958	1,044	197	11.00
1985	750	2,583	1,990	422	5.25
1987 (3)	1,563	3,964	2,455	700	4.50
1990	1,926	6,472	5,064	1,156	7.75
1995	3,163	13,131	12,100	1,638	5.50
1998	3,855	16,697	15,472	1,665	4.75
1999	4,507	18,064	16,025	1,643	4.50
2000	4,492	19,309	16,622	1,583	4.63
2001	5,026	20,136	16,489	1,456	2.13
2002	5,492	20,573	16,078	1,569	1.63
2003	6,553	21,680	16,535	1,619	1.38
2004	7,368	23,148	17,964	1,718	1.75
2005	7,871	24,612	19,360	1,759	2.25
2006	8,223	25,812	20,154	1,883	2.75
2007	8,220	26,053	20,627	1,948	3.38
2008	8,154	27,870	21,332	2,125	2.00
2009	10,512	29,449	21,482	2,304	1.25
2010	11,457	31,006	22,804	2,502	1.63
2011	11,830	32,302	24,173	2,721	1.88
2012	12,418	33,300	25,549	2,902	1.88
2013	13,471	35,062	26,721	3,121	1.88
2014	14,310	37,134	28,111	3,263	1.88
2015	15,293	39,356	29,406	3,452	1.63
2016	16,178	40,717	30,549	3,630	1.38
2017	16,741	42,094	32,023	3,777	1.38
2018	17,716	43,196	33,748	4,055	1.38

(1) The carrying values of the host contracts of structured products issued by banks are excluded from deposits from 2001.

(2) Referring to reserves held by deposit money banks and currency outside monetary institutions.

(3) The postal savings system is included with monetary institutions after 1987.

Source: Central Bank of the Republic of China, *Financial Statistics Monthly, Taiwan Area, R.O.C. (Taiwan)*, May 2019.

8-1b. Principal Financial Indicators (Continued)

End of Year	Monetary Aggregates (M _{1B})	Deposits of Monetary Financial Institutions (1)	Loans & Investments of Monetary Financial Institutions	Reserve Money (2)
II. Percentage Change from Previous Year (%)				
1962	5.2	16.9	23.8	7.3
1965	15.7	16.4	20.8	14.1
1970	15.1	19.5	17.7	17.3
1975	28.7	26.9	30.0	16.0
1980	22.7	17.1	26.6	16.7
1985	12.2	22.7	6.4	12.3
1987 (3)	37.7	24.7	16.6	25.0
1990	-6.7	10.3	14.8	3.0
1995	0.8	9.1	10.4	10.8
1998	3.8	8.3	7.8	9.4
1999	16.9	8.2	3.6	11.2
2000	-0.3	6.9	3.7	-4.1
2001	11.9	4.3	-0.8	5.6
2002	9.3	2.2	-2.5	7.7
2003	19.3	5.4	2.8	3.6
2004	12.4	6.8	8.6	6.2
2005	6.8	6.3	7.8	2.5
2006	4.5	4.9	4.1	7.3
2007	-0.03	0.9	2.4	3.9
2008	-0.8	7.0	3.4	8.2
2009	28.9	5.7	0.7	8.3
2010	9.0	5.3	6.2	8.6
2011	3.3	4.2	6.0	7.5
2012	5.0	3.1	5.7	6.7
2013	8.5	5.3	4.6	7.5
2014	6.2	5.9	5.2	4.6
2015	6.9	6.0	4.6	5.8
2016	5.8	3.5	3.9	5.2
2017	3.5	3.4	4.8	4.0
2018	5.8	2.6	5.4	7.4

8-2a. Number of Financial Institutions

End of Year	Total		Central Bank	Domestic Banks		Local Branches of Foreign and Mainland Chinese Banks		Credit Co-operative associations	
	Head Offices	Branches		Head Offices	Branches	Head Offices	Branches	Head Offices	Branches
1987	450	3,057	1	24	868	32	33	74	294
1990	468	3,488	1	24	996	35	43	74	399
1992	494	3,852	1	40	1,212	36	50	74	439
1993	501	4,111	1	41	1,382	37	55	74	482
1994	503	4,410	1	42	1,577	37	57	74	530
1995	503	4,745	1	42	1,807	38	58	73	556
1996	507	4,981	1	42	1,936	41	65	73	595
1997	509	5,181	1	47	2,176	45	69	64	505
1998	501	5,368	1	48	2,404	46	72	54	446
1999	495	5,531	1	52	2,576	41	71	50	416
2000	491	5,636	1	53	2,693	39	70	48	394
2001	448	5,841	1	53	3,005	38	69	39	373
2002	437	5,850	1	52	3,068	36	68	37	358
2003	433	5,930	1	50	3,173	36	69	35	341
2004	428	5,922	1	49	3,189	35	67	32	319
2005	422	5,943	1	46	3,239	36	68	29	295
2006	415	5,970	1	43	3,285	33	64	28	289
2007	417	5,977	1	40	3,313	32	83	27	267
2008	418	5,991	1	38	3,264	32	141	27	271
2009	428	5,973	1	38	3,279	32	133	26	258
2010	425	5,989	1	38	3,334	28	92	26	261
2011	425	6,016	1	38	3,359	28	92	25	255
2012	427	6,034	1	39	3,416	30	51	24	255
2013	428	6,050	1	40	3,442	31	39	24	257
2014	428	6,055	1	40	3,460	30	39	23	246
2015	429	6,048	1	40	3,444	30	39	23	253
2016	429	6,031	1	40	3,434	29	38	23	260
2017	427	6,022	1	39	3,421	29	38	23	268
2018	425	6,001	1	38	3,407	29	38	23	276

Source: See Table 8-1a.

8-2b. Number of Financial Institutions (Continued)

End of Year	Credit Department of Farmers' Associations		Credit Department of Fishermen's Associations		Chunghwa Post Co. (Excluding Life Insurance)		Investment and Trust Companies		Life Insurance Companies	
	Head Offices	Branches	Head Offices	Branches	Head Offices	Branches	Head Offices	Branches	Head Offices	Branches
1987	282	603	19	11	1	1,158	8	31	9	59
1990	285	713	24	31	1	1,201	8	46	16	59
1992	285	770	27	33	1	1,223	7	54	23	71
1993	285	788	27	34	1	1,243	7	60	28	67
1994	285	827	27	38	1	1,260	6	53	30	68
1995	285	886	27	44	1	1,269	5	49	31	76
1996	285	925	27	47	1	1,273	5	55	32	85
1997	287	943	27	48	1	1,276	5	61	32	103
1998	287	958	27	49	1	1,288	4	43	33	108
1999	287	971	27	49	1	1,296	3	36	33	116
2000	287	973	27	49	1	1,305	3	36	32	116
2001	260	883	25	44	1	1,316	3	33	28	118
2002	253	847	25	40	1	1,320	3	29	29	120
2003	253	828	25	39	1	1,322	3	28	29	130
2004	254	827	25	39	1	1,320	3	26	28	135
2005	253	827	25	39	1	1,321	2	20	29	134
2006	253	817	25	40	1	1,320	2	20	29	135
2007	261	811	25	40	1	1,321	1	6	29	136
2008	264	813	25	42	1	1,321	-	-	30	139
2009	275	811	25	42	1	1,321	-	-	30	129
2010	276	810	25	42	1	1,321	-	-	30	129
2011	277	815	25	43	1	1,323	-	-	30	129
2012	277	817	25	43	1	1,323	-	-	30	129
2013	278	823	25	44	1	1,322	-	-	28	123
2014	281	820	25	44	1	1,323	-	-	27	123
2015	282	822	27	43	1	1,324	-	-	25	123
2016	283	822	28	43	1	1,311	-	-	24	123
2017	283	821	28	44	1	1,307	-	-	23	123
2018	283	817	28	43	1	1,298	-	-	22	122

8-3a. Non-financial Sector Sources of Funds

A. Stocks

End of Year	All Sources (A)+(B)	Financing through Intermediaries			Financing through Securities Markets (1) (B)	Securities Issues						
		Total (A)	Loans and Investments			Total	Listed Stocks	Short-term Bills	Corporate Bonds	Overseas Debentures	Government Bonds	Beneficiary Certificates
			Loans	Investments								
I. Amount (NT\$ billion)												
1987	3,029	2,652	2,420	232	377	609	289	138	52	0	131	0
1990	6,105	5,547	4,986	562	558	1,119	529	347	52	3	189	0
1995	15,143	13,241	11,629	1,612	1,902	3,514	1,498	922	92	131	872	0
1997	19,555	16,284	13,898	2,385	3,272	5,657	2,656	1,428	323	195	1,055	0
1998	21,924	17,688	14,785	2,903	4,236	7,140	3,525	1,802	519	195	1,099	0
1999	23,512	18,729	15,739	2,991	4,783	7,773	4,046	1,505	590	238	1,395	0
2000	25,449	19,932	16,792	3,141	5,516	8,657	4,856	1,266	707	302	1,525	0
2001	26,447	20,527	16,992	3,535	5,921	9,455	5,265	1,111	809	363	1,908	0
2002	27,433	20,952	17,064	3,888	6,482	10,369	5,553	878	1,007	537	2,395	0
2003	29,352	21,668	17,776	3,892	7,684	11,577	5,856	816	1,177	1,055	2,649	25
2004	31,710	23,484	19,345	4,138	8,227	12,534	6,160	783	1,216	1,329	2,984	63
2005	33,979	25,264	20,804	4,460	8,716	13,344	6,544	755	1,192	1,452	3,187	214
2006	35,309	26,622	21,624	4,997	8,688	13,786	6,750	726	1,151	1,407	3,410	342
2007	36,421	27,587	22,361	5,226	8,833	14,109	6,836	673	1,105	1,521	3,548	426
2008	37,402	28,799	23,011	5,789	8,603	14,436	6,932	695	1,139	1,494	3,843	333
2009	37,976	29,192	23,144	6,048	8,785	14,857	7,080	656	1,137	1,533	4,186	264
2010	39,734	30,868	24,386	6,482	8,866	15,406	7,122	692	1,202	1,598	4,574	217
2011	41,700	32,652	25,528	7,124	9,048	16,220	7,430	741	1,351	1,695	4,825	178
2012	43,525	34,342	26,337	8,005	9,183	17,299	7,648	1,028	1,620	1,726	5,130	148
2013	45,564	36,153	27,344	8,808	9,411	18,360	7,964	1,203	1,865	1,768	5,424	135
2014	47,398	37,619	28,593	9,026	9,779	18,987	8,210	1,311	2,013	1,764	5,570	119
2015	48,606	38,628	29,458	9,171	9,978	19,384	8,508	1,350	2,004	1,768	5,659	95
2016	49,802	39,531	30,367	9,164	10,271	19,626	8,713	1,484	1,898	1,738	5,695	98
2017	51,514	41,308	31,634	9,674	10,206	20,165	8,979	1,713	1,938	1,778	5,661	96
2018	53,266	43,183	33,089	10,094	10,083	20,465	9,140	1,765	2,023	1,801	5,633	104

(1) Since 2004, bank reverse repos (RS) have been reclassified from "securities investment" to "deposits." The computation for Reduction of Direct Finance originally should not have included bank RS trade balance, but up to 2003, banks did not report RS related data, which is now untraceable. Hence, to ensure consistency with the 2003 comparison basis, from 2004 this item still excludes the bank RS transaction balance.

Source: Central Bank of the Republic of China (Taiwan), *Financial Statistics*, May 2019.

8-3b. Non-financial Sector Sources of Funds (Continued)

A. Stocks

End of Year	All Sources (A)+(B)	Financing through Intermediaries			Financing through Securities Markets (1) (B)	Securities Issues						
		Total (A)	Loans and Investments			Total	Listed Stocks	Short-term Bills	Corporate Bonds	Overseas Debentures	Government Bonds	Beneficiary Certificates
			Loans	Investments								
II. Percentage (%)												
1987	100.0	87.6	79.9	7.7	12.4	20.1	9.5	4.6	1.7	0.0	4.3	0
1990	100.0	90.9	81.7	9.2	9.1	18.3	8.7	5.7	0.8	0.0	3.1	0
1995	100.0	87.4	76.8	10.6	12.6	23.2	9.9	6.1	0.6	0.9	5.8	0
1997	100.0	83.3	71.1	12.2	16.7	28.9	13.6	7.3	1.7	1.0	5.4	0
1998	100.0	80.7	67.4	13.2	19.3	32.6	16.1	8.2	2.4	0.9	5.0	0
1999	100.0	79.7	66.9	12.7	20.3	33.1	17.2	6.4	2.5	1.0	5.9	0
2000	100.0	78.3	66.0	12.3	21.7	34.0	19.1	5.0	2.8	1.2	6.0	0
2001	100.0	77.6	64.2	13.4	22.4	35.8	19.9	4.2	3.1	1.4	7.2	0
2002	100.0	76.4	62.2	14.2	23.6	37.8	20.2	3.2	3.7	2.0	8.7	0
2003	100.0	73.8	60.6	13.3	26.2	39.4	20.0	2.8	4.0	3.6	9.0	0.1
2004	100.0	74.1	61.0	13.1	25.9	39.5	19.4	2.5	3.8	4.2	9.4	0.2
2005	100.0	74.4	61.2	13.1	25.6	39.3	19.3	2.2	3.5	4.3	9.4	0.6
2006	100.0	75.4	61.2	14.2	24.6	39.0	19.1	2.1	3.3	4.0	9.7	1.0
2007	100.0	75.7	61.4	14.3	24.3	38.7	18.8	1.8	3.0	4.2	9.7	1.2
2008	100.0	77.0	61.5	15.5	23.0	38.6	18.5	1.9	3.0	4.0	10.3	0.9
2009	100.0	76.9	60.9	15.9	23.1	39.1	18.6	1.7	3.0	4.0	11.0	0.7
2010	100.0	77.7	61.4	16.3	22.3	38.8	17.9	1.7	3.0	4.0	11.5	0.5
2011	100.0	78.3	61.2	17.1	21.7	38.9	17.8	1.8	3.2	4.1	11.6	0.4
2012	100.0	78.9	60.5	18.4	21.1	39.7	17.6	2.4	3.7	4.0	11.8	0.3
2013	100.0	79.3	60.0	19.3	20.7	40.3	17.5	2.6	4.1	3.9	11.9	0.3
2014	100.0	79.4	60.3	19.0	20.6	40.1	17.3	2.8	4.2	3.7	11.8	0.3
2015	100.0	79.5	60.6	18.9	20.5	39.9	17.5	2.8	4.1	3.6	11.6	0.2
2016	100.0	79.4	61.0	18.4	20.6	39.4	17.5	3.0	3.8	3.5	11.4	0.2
2017	100.0	80.2	61.4	18.8	19.8	39.1	17.4	3.3	3.8	3.5	11.0	0.2
2018	100.0	81.1	62.1	18.9	18.9	38.4	17.2	3.3	3.8	3.4	10.6	0.2

8-3c. Non-financial Sector Sources of Funds (Continued)

B. Flows

End of Year	All Sources (A)+(B)	Financing through Intermediaries			Financing through Securities Markets (1) (B)	Securities Issues						
		Total (A)	Loans and Investments			Total	Listed Stocks	Short-term Bills	Corporate Bonds	Overseas Debentures	Government Bonds	Beneficiary Certificates
			Loans	Investments								
I. Amount (NT\$ billion)												
1987	525	468	483	-14	56	42	15	-16	5	0	39	0
1990	763	763	592	171	0	171	43	155	6	0	-34	0
1995	1,442	1,305	1,034	271	138	409	113	193	21	22	59	0
1997	2,278	1,670	1,548	122	608	730	501	65	73	48	44	0
1998	1,935	1,404	887	518	531	1,049	435	373	196	1	44	0
1999	1,289	1,041	954	87	248	335	222	-297	71	42	296	0
2000	1,377	1,203	1,053	150	174	324	250	-238	117	64	130	0
2001	665	595	201	394	71	465	76	-156	101	60	383	0
2002	808	425	72	353	383	736	110	-233	199	174	486	0
2003	1,677	716	712	5	961	966	62	-62	170	518	254	25
2004	2,129	1,816	1,570	246	313	728	75	-32	39	274	335	38
2005	1,962	1,780	1,459	322	182	503	76	-29	-24	124	204	152
2006	1,206	1,358	821	537	-151	318	83	-29	-41	-46	223	128
2007	1,048	966	737	229	83	259	23	-52	-47	114	138	84
2008	896	1,212	649	563	-316	242	11	22	34	-27	295	-93
2009	535	392	133	259	143	382	110	-39	-2	39	343	-69
2010	1,842	1,676	1,243	434	166	633	126	36	65	65	388	-48
2011	1,803	1,784	1,141	643	19	651	145	49	149	97	250	-39
2012	1,707	1,690	809	881	17	962	100	287	269	31	305	-30
2013	1,873	1,811	1,007	803	63	895	150	176	246	42	295	-13
2014	1,701	1,466	1,249	218	234	493	113	108	148	-4	146	-16
2015	1,074	1,010	865	145	64	262	163	39	-9	4	89	-24
2016	1,130	903	909	-6	227	178	140	134	-106	-30	36	3
2017	1,658	1,777	1,267	510	-119	484	212	229	40	40	-34	-2
2018	1,795	1,875	1,455	420	-80	343	204	51	85	23	-29	9

8-3d. Non-financial Sector Sources of Funds (Continued)

B. Flows

End of Year	All Sources (A)+(B)	Financing through Intermediaries			Financing through Securities Markets (1) (B)	Securities Issues						
		Total (A)	Loans and Investments			Total	Listed Stocks	Short-term Bills	Corporate Bonds	Overseas Debentures	Government Bonds	Beneficiary Certificates
			Loans	Investments								
II. Percentage (%)												
1987	100.0	89.3	92.0	-2.7	10.7	8.0	2.8	-3.1	0.9	0.0	7.4	0
1990	100.0	100.0	77.6	22.4	0.0	22.4	5.7	20.4	0.8	0.0	-4.5	0
1995	100.0	90.5	71.7	18.8	9.5	28.3	7.8	13.4	1.5	1.5	4.1	0
1997	100.0	73.3	68.0	5.4	26.7	32.0	22.0	2.8	3.2	2.1	1.9	0
1998	100.0	72.6	45.8	26.8	27.4	54.2	22.5	19.3	10.1	0.0	2.3	0
1999	100.0	80.8	74.0	6.8	19.2	26.0	17.3	-23.0	5.5	3.3	23.0	0
2000	100.0	87.4	76.5	10.9	12.6	23.5	18.2	-17.3	8.5	4.7	9.4	0
2001	100.0	89.4	30.2	59.2	10.6	69.8	11.4	-23.4	15.2	9.1	57.6	0
2002	100.0	52.6	8.9	43.7	47.4	91.1	13.6	-28.8	24.6	21.5	60.2	0
2003	100.0	42.7	42.4	0.3	57.3	57.6	3.7	-3.7	10.1	30.9	15.1	1.5
2004	100.0	85.3	73.7	11.6	14.7	34.2	3.5	-1.5	1.8	12.9	15.7	1.8
2005	100.0	90.7	74.3	16.4	9.3	25.6	3.9	-1.5	-1.2	6.3	10.4	7.7
2006	100.0	112.5	68.0	44.5	-12.5	26.4	6.9	-2.4	-3.4	-3.8	18.4	10.6
2007	100.0	92.1	70.3	21.8	7.9	24.7	2.1	-5.0	-4.4	10.9	13.2	8.0
2008	100.0	135.3	72.4	62.8	-35.3	27.0	1.2	2.5	3.8	-3.0	32.9	-10.4
2009	100.0	73.3	24.9	48.5	26.7	71.4	20.5	-7.3	-0.4	7.3	64.1	-12.8
2010	100.0	91.0	67.5	23.6	9.0	34.4	6.8	2.0	3.5	3.5	21.1	-2.6
2011	100.0	98.9	63.3	35.6	1.1	36.1	8.0	2.7	8.3	5.4	13.9	-2.1
2012	100.0	99.0	47.4	51.6	1.0	56.3	5.9	16.8	15.7	1.8	17.9	-1.8
2013	100.0	96.7	53.8	42.9	3.3	47.8	8.0	9.4	13.1	2.2	15.7	-0.7
2014	100.0	86.2	73.4	12.8	13.8	29.0	6.6	6.3	8.7	-0.3	8.6	-1.0
2015	100.0	94.0	80.6	13.5	6.0	24.4	15.2	3.6	-0.8	0.4	8.3	-2.3
2016	100.0	79.9	80.4	-0.5	20.1	15.7	12.4	11.9	-9.4	-2.6	3.2	0.3
2017	100.0	107.2	76.4	30.7	-7.2	29.2	12.8	13.8	2.4	2.4	-2.1	-0.1
2018	100.0	104.5	81.1	23.4	-4.5	19.1	11.4	2.9	4.7	1.3	-1.6	0.5

8-4. Monetary Aggregates

Amount unit: NT\$ million

End of Year	Monetary Aggregates (M _{1B})			Monetary Aggregates (M ₂)		Annual Growth Rate (%)	
	Currency Held by the Public (A)	Deposit Money (B)	M _{1B} (C=A+B)	Quasi- money (D)	M ₂ (E=C+D)	M _{1B}	M ₂
1987 (1)	279,878	1,283,261	1,563,139	2,362,347	3,925,486	...	...
1990	348,407	1,577,240	1,925,647	4,276,244	6,201,891	-6.6	11.0
1992	427,508	1,998,335	2,425,843	6,387,871	8,813,714	12.4	19.1
1993	461,137	2,336,003	2,797,140	7,373,059	10,170,199	15.3	15.4
1994	497,747	2,641,523	3,139,270	8,563,516	11,702,786	12.2	15.1
1995	506,694	2,656,407	3,163,101	9,642,264	12,805,365	0.8	9.4
1996	498,513	2,927,545	3,426,058	10,547,818	13,973,876	8.3	9.1
1997	510,364	3,204,888	3,715,252	11,379,107	15,094,359	8.4	8.0
1998	513,745	3,341,039	3,854,784	12,531,938	16,386,722	3.8	8.6
1999	611,167	3,896,013	4,507,180	13,237,833	17,745,013	16.9	8.3
2000	527,748	3,964,324	4,492,072	14,405,725	18,897,797	-0.3	6.5
2001	525,659	4,500,201	5,025,860	14,686,637	19,712,497	11.9	4.3
2002	527,278	4,964,311	5,491,589	14,718,897	20,210,486	9.3	2.5
2003	608,205	5,944,627	6,552,832	14,805,445	21,358,277	19.3	5.7
2004	669,848	6,698,152	7,368,000	15,525,077	22,893,077	12.4	7.2
2005	730,367	7,140,781	7,871,148	16,538,930	24,410,078	6.8	6.6
2006	758,721	7,463,905	8,222,626	17,445,600	25,668,226	4.5	5.2
2007	762,627	7,457,350	8,219,977	17,663,127	25,883,104	-0.03	0.8
2008	833,537	7,320,167	8,153,704	19,601,771	27,755,475	-0.8	7.2
2009	912,618	9,598,968	10,511,586	18,843,976	29,355,562	28.9	5.8
2010	995,853	10,461,273	11,457,126	19,497,303	30,954,429	9.0	5.5
2011	1,107,344	10,722,872	11,830,216	20,621,704	32,451,920	3.3	4.8
2012	1,203,212	11,215,168	12,418,380	21,156,024	33,574,404	5.0	3.5
2013	1,329,651	12,141,101	13,470,752	22,048,111	35,518,863	8.5	5.8
2014	1,460,904	12,849,182	14,310,086	23,386,754	37,696,840	6.2	6.1
2015	1,565,415	13,727,172	15,292,587	24,591,408	39,883,995	6.9	5.8
2016	1,680,388	14,497,288	16,177,676	25,124,156	41,301,832	5.8	3.6
2017	1,791,303	14,950,120	16,741,423	26,028,794	42,770,217	3.5	3.6
2018	1,942,602	15,773,384	17,715,986	26,189,214	43,905,200	5.8	2.7

(1) See note (3) of Table 8-1a.

Source: See Table 8-1a.

8-5. Factors Affecting Monetary Aggregate (M_{1B})

End of Year	Claims on Gov't	Claims on Gov't Enterprises	Claims on Private Sector	Net Foreign Assets (1)	Quasi-money	Government Deposits	Other Items (Net)	Monetary Aggregates (M _{1B})
Changes in Monetary Aggregate (NT\$ million): (+) Increase in Monetary Aggregate, (-) Decrease in Monetary Aggregate								
1990/1989	+ 3,215	+ 50,578	+ 600,001	+ 6,837	- 749,589	+ 2,407	- 50,584	- 137,135
1991/1990	+ 142,237	+ 66,769	+ 917,192	+ 184,822	- 968,304	+ 63,673	- 173,623	+ 232,766
1992/1991	+ 207,549	+ 54,468	+ 1,508,823	+ 25,072	- 1,143,323	- 133,179	- 251,980	+ 267,430
1993/1992	+ 231,416	+ 15,670	+ 1,303,363	+ 21,744	- 985,188	- 57,856	- 157,852	+ 371,297
1994/1993	+ 156,534	- 16,560	+ 1,304,655	+ 123,071	- 1,190,457	+ 80,980	+ 45,867	+ 342,130
1995/1994	+ 196,171	+ 12,065	+ 936,435	- 47,605	- 1,078,748	+ 5,914	+ 11,427	+ 23,831
1996/1995	+ 342,421	- 9,483	+ 618,557	+ 165,278	- 905,554	+ 46,738	+ 5,000	+ 262,957
1997/1996	+ 341,427	+ 13,620	+ 945,219	- 27,864	- 831,289	- 51,750	- 100,169	+ 289,194
1998/1997	+ 162,221	- 2,260	+ 959,635	+ 245,556	- 1,152,831	+ 13,374	- 86,063	+ 139,532
1999/1998	+ 354,313	- 22,900	+ 221,888	+ 816,080	- 705,895	+ 106,418	+ 95,328	+ 652,396
2000/1999	+ 330,027	+ 23,190	+ 243,834	+ 468,971	- 1,167,892	- 8,298	+ 95,060	- 15,108
2001/2000	+ 255,686	+ 79,908	- 468,288	+ 820,260	- 280,912	+ 10,750	+ 137,884	+ 533,788
2002/2001	- 43,520	+ 17,907	- 385,672	+ 973,607	- 32,260	+ 59,309	- 123,642	+ 465,729
2003/2002	+ 45,474	- 45,246	+ 456,829	+ 1,025,622	- 86,548	- 39,527	- 295,361	+ 1,061,243
2004/2003	- 117,913	+ 52,599	+ 1,494,269	+ 719,117	- 719,632	+ 4,410	- 617,682	+ 815,168
2005/2004	- 65,400	+ 117,067	+ 1,344,522	+ 627,642	- 1,013,853	- 6,718	- 500,112	+ 503,148
2006/2005	+ 68,627	- 17,095	+ 742,175	+ 493,211	- 906,670	+ 29,933	- 58,703	+ 351,478
2007/2006	- 112,783	+ 71,797	+ 513,984	+ 172,633	- 217,527	- 30,076	- 400,677	- 2,649
2008/2007	+ 119,816	+ 281,625	+ 303,175	+ 1,458,757	- 1,938,644	- 16,185	- 274,817	- 66,273
2009/2008	+ 428,346	- 81,264	- 196,261	+ 2,148,277	+ 757,795	- 57,380	- 641,631	+ 2,357,882
2010/2009	+ 114,269	+ 60,130	+ 1,146,976	+ 926,457	- 653,327	- 42,164	- 606,801	+ 945,540
2011/2010	+ 162,067	+ 67,292	+ 1,139,847	+ 207,066	- 1,124,401	+ 90,172	- 168,953	+ 373,090
2012/2011	+ 359,645	+ 21,203	+ 995,073	+ 462,713	- 534,320	+ 28,382	- 744,532	+ 588,164
2013/2012	+ 74,914	+ 44,399	+ 1,052,451	+ 1,068,440	- 892,087	+ 55,994	- 351,739	+ 1,052,372
2014/2013	+ 223,326	- 51,287	+ 1,217,939	+ 1,068,648	- 1,338,643	- 24,719	- 255,930	+ 839,334
2015/2014	+ 215,275	+ 17,579	+ 1,062,854	+ 1,218,348	- 1,204,654	- 139,303	- 187,598	+ 982,501
2016/2015	+ 253,181	- 104,512	+ 994,190	+ 776,302	- 532,748	- 58,707	- 442,617	+ 885,089
2017/2016	- 49,393	+ 48,020	+ 1,474,904	+ 506,288	- 904,638	- 19,087	- 492,347	+ 563,747
2018/2017	+ 261,164	+ 68,691	+ 1,394,958	- 263,938	- 160,420	- 118,191	- 207,701	+ 974,563

(1) Excluding valuation changes resulting from the fluctuation of the exchange rates of the N.T. dollar against foreign currencies.

Source: See Table 8-1a.

8-6a. Deposits of All Banks by Account

End of Year	Total	Checking Accounts	Passbook Deposits	Passbook Savings Deposits	Time Deposits (1)	Fixed Savings Deposits	Government Deposits	Foreign Currency Deposits (1)
I. Amount (NT\$ million)								
1987	2,301,690	199,514	268,742	470,548	448,848	691,509	209,254	13,275
1990	3,818,610	233,214	379,337	528,908	1,107,394	1,162,364	333,341	74,052
1992	5,333,339	254,016	442,230	746,519	1,323,692	1,957,930	526,071	82,881
1993	6,192,673	270,379	532,766	887,202	1,362,527	2,429,277	599,233	111,289
1994	7,166,694	286,471	591,517	1,049,757	1,685,649	2,777,414	648,411	127,475
1995	7,994,877	291,398	544,509	1,159,180	1,855,278	3,310,600	618,377	215,535
1996	8,845,899	286,616	630,351	1,347,636	1,992,117	3,696,675	582,650	309,854
1997	10,283,738	286,812	718,907	1,607,384	2,658,323	3,814,955	627,452	569,905
1998	11,609,415	274,765	774,065	1,741,330	3,202,380	4,389,795	623,535	603,545
1999	12,650,359	314,589	865,079	2,148,557	2,920,679	5,077,514	670,058	653,883
2000	13,677,441	305,361	901,913	2,218,115	2,974,359	5,384,984	715,766	1,176,943
2001	14,549,914	262,907	974,428	2,732,491	2,698,648	5,998,472	764,115	1,118,853
2002	14,962,324	266,924	1,135,873	3,004,532	2,592,899	6,227,899	691,510	1,042,687
2003	15,946,296	302,514	1,432,552	3,581,971	2,462,073	6,286,335	709,255	1,171,596
2004	17,083,597	306,991	1,603,533	4,099,189	2,656,630	6,412,415	682,356	1,322,483
2005	18,176,571	367,518	1,675,419	4,376,876	2,812,712	6,773,599	662,940	1,507,507
2006	19,034,099	353,337	1,742,254	4,633,833	3,043,863	6,826,237	646,800	1,787,775
2007	19,313,771	309,441	1,872,375	4,567,477	3,271,568	6,599,377	641,256	2,052,277
2008	20,993,573	306,201	1,873,651	4,441,902	4,299,186	7,018,205	652,350	2,402,078
2009	22,340,848	325,555	2,451,404	6,012,088	3,977,688	6,559,138	596,183	2,418,792
2010	23,598,177	340,176	2,688,197	6,542,247	4,208,838	6,546,483	697,030	2,575,206
2011	24,783,296	392,811	2,759,715	6,656,912	4,616,645	7,000,791	678,018	2,678,404
2012	25,587,343	395,457	2,855,877	6,989,201	4,557,763	7,256,995	656,739	2,875,311
2013	27,101,027	366,713	3,253,900	7,478,124	4,522,708	7,391,214	613,253	3,475,115
2014	28,747,988	378,682	3,400,682	7,969,593	4,582,146	7,607,719	648,692	4,160,474
2015	30,594,149	372,483	3,789,628	8,439,934	4,729,214	7,844,691	722,199	4,696,000
2016	31,736,168	425,374	3,893,525	8,997,540	4,742,212	7,907,641	767,720	5,002,156
2017	33,018,539	415,796	3,963,343	9,349,156	5,008,086	7,808,032	802,755	5,671,371
2018	33,988,455	446,341	4,172,612	9,893,066	5,119,091	7,734,260	873,309	5,749,776

(1) Beginning Jan. 2010, the carrying value of the host contracts of structured products issued by banks are excluded from deposits.

Note: Including the data of domestic banks and the local branches of foreign and Mainland Chinese banks.

Source: See Table 8-1a.

8-6b. Deposits of All Banks by Account (Continued)

End of Year	Total	Checking Accounts	Passbook Deposits	Passbook Savings Deposits	Time Deposits (1)	Fixed Savings Deposits	Government Deposits	Foreign Currency Deposits (1)
II. Percentage (%)								
1987	100.0	8.7	11.7	20.4	19.5	30.0	9.1	0.6
1990	100.0	6.1	9.9	13.9	29.0	30.4	8.7	1.9
1992	100.0	4.8	8.3	14.0	24.8	36.7	9.9	1.6
1993	100.0	4.4	8.6	14.3	22.0	39.2	9.7	1.8
1994	100.0	4.0	8.3	14.6	23.5	38.8	9.0	1.8
1995	100.0	3.6	6.8	14.5	23.2	41.4	7.7	2.7
1996	100.0	3.2	7.1	15.2	22.5	41.8	6.6	3.5
1997	100.0	2.8	7.0	15.6	25.8	37.1	6.1	5.5
1998	100.0	2.4	6.7	15.0	27.6	37.8	5.4	5.2
1999	100.0	2.5	6.8	17.0	23.1	40.1	5.3	5.2
2000	100.0	2.2	6.6	16.2	21.7	39.4	5.2	8.6
2001	100.0	1.8	6.7	18.8	18.5	41.2	5.3	7.7
2002	100.0	1.8	7.6	20.1	17.3	41.6	4.6	7.0
2003	100.0	1.9	9.0	22.5	15.4	39.4	4.4	7.3
2004	100.0	1.8	9.4	24.0	15.6	37.5	4.0	7.7
2005	100.0	2.0	9.2	24.1	15.5	37.3	3.6	8.3
2006	100.0	1.9	9.2	24.3	16.0	35.9	3.4	9.4
2007	100.0	1.6	9.7	23.6	16.9	34.2	3.3	10.6
2008	100.0	1.5	8.9	21.2	20.5	33.4	3.1	11.4
2009	100.0	1.5	11.0	26.9	17.8	29.4	2.7	10.8
2010	100.0	1.4	11.4	27.7	17.8	27.7	3.0	10.9
2011	100.0	1.6	11.1	26.9	18.6	28.2	2.7	10.8
2012	100.0	1.5	11.2	27.3	17.8	28.4	2.6	11.2
2013	100.0	1.4	12.0	27.6	16.7	27.3	2.3	12.8
2014	100.0	1.3	11.8	27.7	15.9	26.5	2.3	14.5
2015	100.0	1.2	12.4	27.6	15.5	25.6	2.4	15.3
2016	100.0	1.3	12.3	28.4	14.9	24.9	2.4	15.8
2017	100.0	1.3	12.0	28.3	15.2	23.6	2.4	17.2
2018	100.0	1.3	12.3	29.1	15.1	22.8	2.6	16.9

8-7a. Total Deposits with Monetary Financial Institutions

End of Year	Total	Deposit Money	Quasi-money	Government Deposits
I. Amount (NT\$ million)				
1987	3,964,360	1,283,261	2,362,347	318,752
1990	6,471,499	1,577,240	4,276,244	618,015
1992	9,074,056	1,998,335	6,387,871	687,850
1993	10,454,439	2,336,003	7,373,059	745,377
1994	12,031,396	2,641,523	8,563,516	826,357
1995	13,130,942	2,656,407	9,642,264	832,271
1996	14,260,896	2,927,545	10,547,818	785,533
1997	15,421,618	3,204,888	11,379,107	837,623
1998	16,697,004	3,341,039	12,531,938	824,027
1999	18,064,287	3,896,013	13,237,833	930,441
2000	19,308,786	3,964,324	14,405,725	938,737
2001	20,136,238	4,500,201	14,686,637	949,400
2002	20,573,363	4,964,311	14,718,897	890,155
2003	21,679,769	5,944,627	14,805,445	929,697
2004	23,148,513	6,698,152	15,525,077	925,284
2005	24,611,612	7,140,781	16,538,930	931,901
2006	25,811,473	7,463,905	17,445,600	901,968
2007	26,052,521	7,457,350	17,663,127	932,044
2008	27,870,167	7,320,167	19,601,771	948,229
2009	29,448,553	9,598,968	18,843,976	1,005,609
2010	31,006,349	10,461,273	19,497,303	1,047,773
2011	32,302,177	10,722,872	20,621,704	957,601
2012	33,300,411	11,215,168	21,156,024	929,219
2013	35,062,437	12,141,101	22,048,111	873,225
2014	37,133,880	12,849,182	23,386,754	897,944
2015	39,355,827	13,727,172	24,591,408	1,037,247
2016	40,717,398	14,497,288	25,124,156	1,095,954
2017	42,093,955	14,950,120	26,028,794	1,115,041
2018	43,195,830	15,773,384	26,189,214	1,233,232

Source: See Table 8-1a.

8-7b. Total Deposits with Monetary Financial Institutions (Continued)

End of Year	Total	Deposit Money	Quasi-money	Government Deposits
II. Percentage (%)				
1987	100.0	32.4	59.6	8.0
1990	100.0	24.4	66.1	9.5
1992	100.0	22.0	70.4	7.6
1993	100.0	22.3	70.5	7.1
1994	100.0	22.0	71.2	6.9
1995	100.0	20.2	73.4	6.3
1996	100.0	20.5	74.0	5.5
1997	100.0	20.8	73.8	5.4
1998	100.0	20.0	75.1	4.9
1999	100.0	21.6	73.3	5.2
2000	100.0	20.5	74.6	4.9
2001	100.0	22.3	72.9	4.7
2002	100.0	24.1	71.5	4.3
2003	100.0	27.4	68.3	4.3
2004	100.0	28.9	67.1	4.0
2005	100.0	29.0	67.2	3.8
2006	100.0	28.9	67.6	3.5
2007	100.0	28.6	67.8	3.6
2008	100.0	26.3	70.3	3.4
2009	100.0	32.6	64.0	3.4
2010	100.0	33.7	62.9	3.4
2011	100.0	33.2	63.8	3.0
2012	100.0	33.7	63.5	2.8
2013	100.0	34.6	62.9	2.5
2014	100.0	34.6	63.0	2.4
2015	100.0	34.9	62.5	2.6
2016	100.0	35.6	61.7	2.7
2017	100.0	35.5	61.8	2.6
2018	100.0	36.5	60.6	2.9

8-8a. Deposits with All Banks by Depositor

End of Year	Total	Government	Public Enterprises	Private Enterprises	Individuals & All Others
I. Amount (NT\$ million)					
1987	2,301,690	209,254	10,140	47	2,082,249
1990	3,818,610	333,341	16,696	162	3,468,411
1992	5,333,339	526,071	183,241	1,010,900	3,613,127
1993	6,192,673	599,233	208,014	1,133,153	4,252,273
1994	7,166,694	648,411	202,337	1,353,378	4,962,568
1995	7,994,877	618,377	198,505	1,541,867	5,636,128
1996	8,845,899	582,650	218,786	1,815,401	6,229,062
1997	10,283,738	627,452	237,540	2,102,501	7,316,245
1998	11,609,415	623,535	272,959	2,396,257	8,316,664
1999	12,650,359	670,058	273,531	2,621,048	9,085,722
2000	13,677,441	715,766	263,719	3,183,907	9,514,049
2001	14,549,914	764,115	158,724	2,992,014	10,635,061
2002	14,962,324	691,510	144,320	3,103,038	11,023,456
2003	15,946,296	709,255	149,807	3,396,383	11,690,851
2004	17,083,597	682,356	139,598	3,668,909	12,592,734
2005	18,176,571	662,940	150,897	3,880,723	13,482,011
2006	19,034,099	646,800	159,822	4,102,334	14,125,143
2007	19,313,771	641,256	158,000	4,323,403	14,191,112
2008	20,993,573	652,350	170,712	4,975,307	15,195,204
2009	22,340,848	596,183	133,710	5,517,062	16,093,893
2010	23,598,177	697,030	148,579	6,042,860	16,709,708
2011	24,783,296	678,018	151,437	6,339,864	17,613,977
2012	25,587,343	656,739	151,315	6,500,070	18,279,219
2013	27,101,027	613,253	144,366	7,144,613	19,198,795
2014	28,747,988	648,692	112,876	7,714,886	20,271,534
2015	30,594,149	722,199	113,883	8,454,217	21,303,850
2016	31,736,168	767,720	115,359	8,621,991	22,231,098
2017	33,018,539	802,755	129,059	9,156,718	22,930,007
2018	33,988,455	873,309	139,105	9,350,800	23,625,241

Note: Figures up to 1996 are for deposits in domestic banks, and from 1997 for deposits in all banks (domestic banks and the local branches of foreign banks).

Source: See Table 8-1a.

8-8b. Deposits with All Banks by Depositor (Continued)

End of Year	Total	Government	Public Enterprises	Private Enterprises	Individuals & All Others
II. Percentage (%)					
1987	100.0	9.1	0.4	0.0	90.5
1990	100.0	8.7	0.4	0.0	90.8
1992	100.0	9.9	3.4	19.0	67.7
1993	100.0	9.7	3.4	18.3	68.7
1994	100.0	9.0	2.8	18.9	69.2
1995	100.0	7.7	2.5	19.3	70.5
1996	100.0	6.6	2.5	20.5	70.4
1997	100.0	6.1	2.3	20.4	71.1
1998	100.0	5.4	2.4	20.6	71.6
1999	100.0	5.3	2.2	20.7	71.8
2000	100.0	5.2	1.9	23.3	69.6
2001	100.0	5.3	1.1	20.6	73.1
2002	100.0	4.6	1.0	20.7	73.7
2003	100.0	4.4	0.9	21.3	73.3
2004	100.0	4.0	0.8	21.5	73.7
2005	100.0	3.6	0.8	21.4	74.2
2006	100.0	3.4	0.8	21.6	74.2
2007	100.0	3.3	0.8	22.4	73.5
2008	100.0	3.1	0.8	23.7	72.4
2009	100.0	2.7	0.6	24.7	72.0
2010	100.0	3.0	0.6	25.6	70.8
2011	100.0	2.7	0.6	25.6	71.1
2012	100.0	2.6	0.6	25.4	71.4
2013	100.0	2.3	0.5	26.4	70.8
2014	100.0	2.3	0.4	26.8	70.5
2015	100.0	2.4	0.4	27.6	69.6
2016	100.0	2.4	0.4	27.2	70.0
2017	100.0	2.4	0.4	27.7	69.4
2018	100.0	2.6	0.4	27.5	69.5

8-9a. Loans and Discounts at All Banks by Borrower

End of Year	Total	Government	Public Enterprises	Private Enterprises	Individuals & All Others
I. Amount (NT\$ million)					
1998	11,795,818	1,538,790	365,713	4,778,928	5,112,387
1999	12,537,233	1,724,515	368,757	5,203,737	5,240,224
2000	13,295,437	2,061,110	384,454	5,412,707	5,437,166
2001	13,094,597	2,132,692	460,515	5,157,317	5,344,073
2002	12,872,922	1,932,859	476,744	5,050,185	5,413,134
2003	13,504,740	1,944,921	436,103	5,178,402	5,945,314
2004	14,862,514	1,917,413	456,144	5,544,374	6,944,583
2005	16,098,378	1,782,204	557,852	6,032,762	7,725,560
2006	16,501,113	1,592,716	525,392	6,511,663	7,871,342
2007	16,944,572	1,361,186	591,936	6,903,289	8,088,161
2008	17,378,376	1,252,319	760,190	7,218,230	8,147,637
2009	17,554,377	1,491,377	733,832	6,969,208	8,359,960
2010	18,735,529	1,505,496	791,888	7,559,180	8,878,965
2011	19,819,265	1,537,801	824,558	8,296,101	9,160,805
2012	20,372,531	1,598,606	693,934	8,642,361	9,437,630
2013	20,978,750	1,450,721	704,415	8,903,208	9,920,405
2014	21,935,623	1,439,919	632,234	9,392,309	10,471,160
2015	22,604,057	1,374,314	610,739	9,602,924	11,016,080
2016	23,457,668	1,325,979	515,184	10,200,472	11,416,033
2017	24,483,424	1,253,941	498,042	10,727,460	12,003,981
2018	25,755,375	1,234,790	552,779	11,298,957	12,668,849

Note: Figures up to 1996 are for loans in domestic banks, and from 1997 for loans in all banks (domestic banks and the local branches of foreign banks).

Source: See Table 8-1a.

8-9b. Loans and Discounts at All Banks by Borrower (Continued)

End of Year	Total	Government	Public Enterprises	Private Enterprises	Individuals & All Others
II. Percentage (%)					
1998	100.0	13.0	3.1	40.5	43.3
1999	100.0	13.8	2.9	41.5	41.8
2000	100.0	15.5	2.9	40.7	40.9
2001	100.0	16.3	3.5	39.4	40.8
2002	100.0	15.0	3.7	39.2	42.1
2003	100.0	14.4	3.2	38.3	44.0
2004	100.0	12.9	3.1	37.3	46.7
2005	100.0	11.1	3.5	37.5	48.0
2006	100.0	9.7	3.2	39.5	47.7
2007	100.0	8.0	3.5	40.7	47.7
2008	100.0	7.2	4.4	41.5	46.9
2009	100.0	8.5	4.2	39.7	47.6
2010	100.0	8.0	4.2	40.3	47.4
2011	100.0	7.8	4.2	41.9	46.2
2012	100.0	7.8	3.4	42.4	46.3
2013	100.0	6.9	3.4	42.4	47.3
2014	100.0	6.6	2.9	42.8	47.7
2015	100.0	6.1	2.7	42.5	48.7
2016	100.0	5.7	2.2	43.5	48.7
2017	100.0	5.1	2.0	43.8	49.0
2018	100.0	4.8	2.1	43.9	49.2

8-9c. Loans and Discounts at All Banks by Borrower (Continued)

End of Year	Total	Government	Public Enterprises	Private Enterprises	Individuals & All Others
III. Amount of Increase over Previous Year (NT\$ million)					
1998	792,253	144,790	-29,746	387,518	289,691
1999	741,415	185,725	3,044	424,809	127,837
2000	758,204	336,595	15,697	208,970	196,942
2001	-200,840	71,582	76,061	-255,390	-93,093
2002	-221,675	-199,833	16,229	-107,132	69,061
2003	631,818	12,062	-40,641	128,217	532,180
2004	1,357,774	-27,508	20,041	365,972	999,269
2005	1,235,864	-135,209	101,708	488,388	780,977
2006	402,735	-189,488	-32,460	478,901	145,782
2007	443,459	-231,530	66,544	391,626	216,819
2008	433,804	-108,867	168,254	314,941	59,476
2009	176,001	239,058	-26,358	-249,022	212,323
2010	1,181,152	14,119	58,056	589,972	519,005
2011	1,083,736	32,305	32,670	736,921	281,840
2012	553,266	60,805	-130,624	346,260	276,825
2013	606,219	-147,885	10,481	260,847	482,775
2014	956,873	-10,802	-72,181	489,101	550,755
2015	668,434	-65,605	-21,495	210,615	544,920
2016	853,611	-48,335	-95,555	597,548	399,953
2017	1,025,756	-72,038	-17,142	526,988	587,948
2018	1,271,951	-19,151	54,737	571,497	664,868

8-9d. Loans and Discounts at All Banks by Borrower (Continued)

End of Year	Total	Government	Public Enterprises	Private Enterprises	Individuals & All Others
IV. Percentage Change from Previous Year (%)					
1998	7.2	10.4	-7.5	8.8	6.0
1999	6.3	12.1	0.8	8.9	2.5
2000	6.1	19.5	4.3	4.0	3.8
2001	-1.5	3.5	19.8	-4.7	-1.7
2002	-1.7	-9.4	3.5	-2.1	1.3
2003	4.9	0.62	-8.5	2.5	9.8
2004	10.1	-1.4	4.6	7.1	16.8
2005	8.3	-7.1	22.3	8.8	11.3
2006	2.5	-10.6	-5.8	7.9	1.9
2007	2.7	-14.5	12.7	6.0	2.8
2008	2.6	-8.0	28.4	4.6	0.7
2009	1.0	19.1	-3.5	-3.5	2.6
2010	6.7	1.0	7.9	8.5	6.2
2011	5.8	2.2	4.1	9.8	3.2
2012	2.8	4.0	-15.8	4.2	3.0
2013	3.0	-9.3	1.5	3.0	5.1
2014	4.6	-0.7	-10.3	5.5	5.6
2015	3.1	-4.6	-3.4	2.2	5.2
2016	3.8	-3.5	-15.7	6.2	3.6
2017	4.4	-5.4	-3.3	5.2	5.2
2018	5.2	-1.5	11.0	5.3	5.5

8-10. Loans of Other Monetary Financial Institutions

Unit: NT\$ million

End of Year	Total	Domestic Banks(1)	Local Branches of Foreign Banks	Credit Cooperative Associations	Credit Departments of Farmers' and Fishermen's Associations	Chunghwa Post Co.	Money Market Mutual Funds (2)
1987	2,304,761	1,814,235	120,135	199,393	163,420	5,095	-
1990	4,649,393	3,614,271	195,494	492,089	341,335	4,161	-
1992	7,276,102	5,699,778	255,529	767,277	548,612	2,865	-
1993	8,438,995	6,546,085	263,390	921,294	701,077	5,108	-
1994	9,904,368	7,781,837	280,618	1,020,449	816,967	2,457	-
1995	10,802,769	8,536,855	325,236	1,036,354	899,530	2,754	-
1996	11,205,171	9,027,472	349,531	962,537	860,117	3,474	-
1997	12,510,156	10,595,268	408,297	739,606	760,036	4,909	-
1998	13,177,329	11,405,939	389,879	655,281	717,790	6,400	-
1999	13,760,055	12,148,297	388,936	546,814	670,106	3,862	-
2000	14,428,909	12,896,175	399,262	491,716	635,114	4,602	-
2001	14,036,644	12,715,129	379,468	387,332	547,766	4,909	-
2002	13,731,393	12,504,851	368,071	360,137	491,978	4,316	-
2003	14,332,857	13,131,103	373,637	357,067	462,010	9,040	-
2004	15,867,752	14,598,731	430,393	353,256	475,174	9,497	701
2005	17,158,349	15,776,663	485,828	345,938	528,161	20,612	1,147
2006	17,598,943	16,055,994	539,950	358,499	606,904	34,367	3,229
2007	18,021,730	16,390,786	590,747	344,089	676,296	18,237	1,575
2008	18,470,098	16,739,070	680,047	343,760	698,718	7,069	1,434
2009	18,599,228	17,069,669	507,317	328,797	689,440	3,056	949
2010	19,852,506	18,312,190	477,299	336,123	719,108	7,046	740
2011	20,960,771	19,232,380	631,168	340,178	749,317	6,580	1,148
2012	21,650,271	19,944,503	538,989	363,051	800,046	3,154	528
2013	22,404,430	20,561,070	558,005	392,251	876,467	16,035	602
2014	23,472,558	21,387,250	729,780	405,061	947,933	2,244	291
2015	24,276,983	22,031,026	807,557	428,810	1,003,523	5,802	264
2016	25,122,090	22,715,933	931,408	442,026	1,025,856	6,609	257
2017	26,298,188	23,644,124	1,124,237	456,504	1,063,103	10,219	-
2018	27,659,920	24,776,982	1,265,910	478,158	1,119,623	19,247	-

(1) Since 1997, data for Medium Business Banks has been incorporated into data for Domestic Banks.

(2) The time series begins from Oct. 2004 when money market mutual funds were first issued, and ends in May 2017 after the liquidation procedure of Yuanta Commercial Bank Money Market Common Trust Fund was completed.

Source: See Table 8-1a.

8-11. Major Liabilities of Other Financial Institutions

Unit: NT\$ million

End of Year	Total	Investment and Trust Companies (1)	Life Insurance Companies (2)
1987	307,305	136,970	170,335
1990	729,325	362,403	366,922
1992	889,267	325,028	564,239
1993	1,046,760	361,091	685,669
1994	1,228,814	276,617	952,197
1995	1,396,714	260,731	1,135,983
1996	1,605,523	266,438	1,339,085
1997	1,829,959	264,510	1,565,449
1998	2,031,475	205,034	1,826,441
1999	2,304,746	156,301	2,148,445
2000	2,597,310	104,938	2,492,372
2001	3,036,611	117,107	2,919,504
2002	3,610,635	116,233	3,494,402
2003	4,266,848	118,842	4,148,006
2004	4,994,776	121,233	4,873,543
2005	5,820,036	115,552	5,704,484
2006	6,544,534	110,374	6,434,160
2007	7,153,668	13,559	7,140,109
2008	7,842,007	-	7,842,007
2009	8,973,000	-	8,973,000
2010	10,224,292	-	10,224,292
2011	11,182,235	-	11,182,235
2012	12,547,269	-	12,547,269
2013	14,129,560	-	14,129,560
2014	15,557,494	-	15,557,494
2015	17,178,532	-	17,178,532
2016	18,944,639	-	18,944,639
2017	20,760,292	-	20,760,292
2018	22,706,152	-	22,706,152

(1) Beginning Dec. 2008, there are no longer trust and investment companies in operation.

(2) Referring to life insurance reserves.

Source: See Table 8-1a.

8-12. Loans of Other Financial Institutions

Unit: NT\$ million

End of Year	Total	Investment and Trust Companies (1)	Life Insurance Companies
1987	115,530	71,001	44,529
1990	336,193	203,556	132,637
1992	427,977	233,222	194,755
1993	539,301	276,074	263,227
1994	561,222	220,537	340,685
1995	620,948	215,982	404,966
1996	662,136	219,851	442,285
1997	796,007	245,992	550,015
1998	862,490	193,996	668,494
1999	898,137	127,417	770,720
2000	976,350	89,939	886,411
2001	1,030,897	68,428	962,469
2002	1,028,714	50,501	978,213
2003	995,443	53,683	941,760
2004	984,711	62,521	922,190
2005	1,007,872	61,844	946,028
2006	1,093,818	61,786	1,032,032
2007	1,165,453	6,095	1,159,358
2008	1,252,269	-	1,252,269
2009	1,189,617	-	1,189,617
2010	1,181,451	-	1,181,451
2011	1,193,671	-	1,193,671
2012	1,244,507	-	1,244,507
2013	1,444,775	-	1,444,775
2014	1,558,186	-	1,558,186
2015	1,543,315	-	1,543,315
2016	1,495,752	-	1,495,752
2017	1,476,852	-	1,476,852
2018	1,468,548	-	1,468,548

(1) See note (1) of Table 8-11.

Source: See Table 8-1a.

8-13. Foreign Exchange Rates and Bank Interest Rates

End of Month	Foreign Exchange Rates (NT\$/US\$) (1)	Bank Interest Rates	
		Base Lending rate (2)	Time Deposits (3 Months)
		(percent per annum)	
Dec. 1993	26.626	8.000	6.350
Dec. 1994	26.240	8.000	6.100
Dec. 1995	27.265	7.800	5.750
Dec. 1996	27.491	7.525	5.250
Dec. 1997	32.638	7.650	5.350
Dec. 1998	32.216	7.870	4.900
Dec. 1999	31.395	7.840	4.500
Dec. 2000	32.992	7.940	4.600
Dec. 2001	34.999	7.600	2.350
Dec. 2002	34.753	7.310	1.550
Dec. 2003	33.978	3.330	1.125
Dec. 2004	31.917	3.450	1.175
Dec. 2005	32.850	3.740	1.550
Dec. 2006	32.596	3.990	1.760
Dec. 2007	32.443	4.410	2.160
Dec. 2008	32.860	4.540	1.120
Dec. 2009	32.030	2.500	0.620
Dec. 2010	30.368	2.600	0.740
Dec. 2011	30.290	2.790	0.940
Dec. 2012	29.136	2.810	0.940
Dec. 2013	29.950	2.790	0.940
Dec. 2014	31.718	2.790	0.940
Dec. 2015	33.066	2.760	0.800
Dec. 2016	32.279	2.580	0.660
Dec. 2017	29.848	2.580	0.660
Dec. 2018	30.733	2.580	0.660

(1) Interbank closing rates.

(2) Bank interest rates offered by First Commercial Bank since 1986.

(3) Prior to January 28, 2003, the figures represent prime lending rates.

Source: See Table 8-1a.

9. PUBLIC FINANCE

9-1a. Net Government Revenues, Expenditures and Financing of All Levels

A. Amount

Unit: NT\$ million

Period (1)	Current Account			Capital Account			Total Surplus or Deficit (-) (A)+(B)	Financing			
	Net Revenues	Net Expendi- tures	Surplus or Deficit (-) (A)	Net Revenues	Net Expendi- tures	Surplus or Deficit (-) (B)		Net Borrowing	Bond Issuance and Borrowing	Appropri- ation from Previous Year's Surplus	Debt Repayment
FY 1965	21,080	17,870	3,210	1,066	4,518	-3,452	-242	1,234	1,200	21	4
1970	46,586	35,901	10,685	1,701	11,325	-9,624	1,061	1,001	2,928	0	1,927
1975	123,238	82,915	40,323	3,073	40,643	-37,570	2,753	4,845	1,409	6,314	2,878
1980	327,649	213,738	113,911	13,066	126,625	-113,559	352	23,173	4,612	23,595	5,034
1985	531,075	382,713	148,362	11,527	163,625	-152,098	-3,735	16,045	31,190	2,246	17,391
1990	1,053,410	702,812	350,599	38,991	394,706	-355,715	-5,116	41,510	88,687	22,053	69,229
1995	1,522,624	1,328,425	194,199	36,805	581,641	-544,836	-350,637	378,445	464,536	78,771	164,863
1996	1,550,943	1,383,725	167,218	53,241	460,061	-406,820	-239,602	257,682	365,445	54,348	162,111
1997	1,629,420	1,463,449	165,972	75,338	415,315	-339,976	-174,005	181,318	336,256	33,049	187,988
1998	1,960,620	1,545,052	415,568	92,838	447,542	-354,704	60,865	59,827	236,166	35,726	212,065
1999	1,867,081	1,554,405	312,676	137,313	495,598	-358,286	-45,609	45,900	190,002	23,739	167,842
2000	2,679,563	2,529,683	149,880	105,299	611,253	-505,954	-356,074	376,319	569,451	37,634	230,766
2001	1,809,035	1,771,630	37,405	87,805	500,125	-412,320	-374,915	293,575	432,128	15,862	154,415
2002	1,706,602	1,649,952	56,651	81,317	495,042	-413,726	-357,075	308,550	329,809	64,852	86,111
2003	1,834,654	1,683,569	151,085	114,193	532,946	-418,752	-267,667	368,621	405,686	47,668	84,733
2004	1,845,279	1,703,657	141,622	82,121	541,390	-459,269	-317,647	340,909	454,885	2,626	116,602
2005	2,128,064	1,729,489	378,575	109,976	562,510	-452,534	-73,960	191,731	311,511	5,278	125,058
2006	2,094,023	1,754,091	339,932	82,995	460,134	-377,140	-37,208	75,463	220,810	2,227	147,574
2007	2,189,035	1,801,511	387,523	55,724	488,658	-432,934	-45,411	67,569	183,288	4,732	120,450
2008	2,181,188	1,811,308	369,881	50,425	532,278	-481,852	-111,972	123,946	258,629	52,179	186,862
2009	2,041,412	2,008,372	33,040	72,232	662,526	-590,294	-57,254	534,400	647,164	87,951	200,714
2010	2,062,022	1,911,511	150,511	53,532	655,293	-601,761	-451,251	468,315	668,515	6,502	206,702
2011	2,238,905	2,020,023	218,883	67,268	592,924	-525,657	-306,774	169,685	397,839	842	228,996
2012	2,259,104	2,179,796	79,307	62,102	498,188	-436,087	-356,779	373,523	602,610	22,796	251,882
2013	2,370,392	2,166,627	203,765	87,241	498,614	-411,373	-207,609	202,641	464,674	13,105	275,138
2014	2,416,204	2,191,528	224,676	92,611	454,184	-361,573	-136,897	203,348	480,776	4,779	282,208
2015	2,592,406	2,216,782	375,624	69,922	428,406	-358,485	17,139	35,474	337,898	869	303,294
2016	2,642,536	2,292,303	350,233	48,382	453,002	-404,620	-54,388	63,662	409,899	341	346,578
2017	2,718,248	2,283,605	434,642	35,081	494,755	-459,674	-25,032	-1,840	375,236	2,420	379,496
2018	2,810,017	2,295,207	514,810	38,970	549,330	-510,361	4,450	-15,266	366,007	14,582	395,855

(1) Before 2000, the fiscal year begins July 1 of preceding year and ends June 30. FY 2000 extends from July 1, 1999, to December 31, 2000.

Subsequent fiscal years follow the calendar year (from January 1 to December 31).

Source: The data are provided by the Ministry of Finance, R.O.C.(Taiwan).

9-1b. Net Government Revenues and Expenditures of All Levels (Continued)

B. Growth Rate

Unit: %

Period (1)	Current Account		Capital Account	
	Net Revenues	Net Expenditures	Net Revenues	Net Expenditures
FY 1970	10.8	15.6	130.2	4.6
1975	14.6	32.1	22.7	67.5
1980	21.9	38.5	66.7	36.8
1985	5.6	11.7	-10.6	0.0
1990	18.3	21.6	26.1	-37.3
1995	5.6	14.2	-39.5	-12.3
1996	1.9	4.2	44.7	-20.9
1997	5.1	5.8	41.5	-9.7
1998	20.3	5.6	23.2	7.8
1999	-4.8	0.6	47.9	10.7
2000	43.5	62.7	-23.3	23.3
2001	-32.5	-30.0	-16.6	-18.2
2002	-5.7	-6.9	-7.4	-1.0
2003	7.5	2.0	40.4	7.7
2004	0.6	1.2	-28.1	1.6
2005	14.2	1.5	33.9	3.9
2006	-0.7	1.4	-24.5	-18.2
2007	4.5	2.7	-32.9	6.2
2008	-0.4	0.5	-9.5	8.9
2009	-6.4	10.9	43.2	24.5
2010	1.0	-4.8	-25.9	-1.1
2011	8.6	5.7	25.7	-9.5
2012	0.9	7.9	-7.7	-16.0
2013	4.9	-0.6	40.5	0.1
2014	1.9	1.1	6.2	-8.9
2015	7.3	1.2	-24.5	-5.7
2016	1.9	3.4	-30.8	5.7
2017	2.9	-0.4	-27.5	9.2
2018	3.4	0.5	11.1	11.0

9-2a. Net Government Revenues of All Levels by Source

Period (1)	Total	Taxes (2)	Monopolies	Surplus of Public Enterprises	Fees, Fines & Indemnities	Public Properties	Others
I. Amount (NT\$ million)							
FY 1955	6,077	4,174	921	250	155	145	432
1960	11,699	6,915	1,886	1,144	271	389	1,094
1965	22,146	11,974	3,273	3,109	822	1,536	1,432
1970	48,287	30,657	6,007	4,937	2,183	2,333	2,169
1975	126,311	84,389	13,115	14,227	6,487	4,084	4,009
1980	340,715	237,187	24,162	33,106	15,573	14,594	16,093
1985	542,603	353,109	41,738	76,779	27,764	13,597	29,616
1990	1,092,401	794,812	52,921	121,418	36,830	42,907	43,512
1995	1,559,429	1,170,856	61,408	141,956	87,304	51,630	46,276
1996	1,604,184	1,141,838	55,959	181,094	91,857	69,587	63,850
1997	1,704,759	1,213,274	58,179	180,797	98,451	94,908	59,149
1998	2,053,458	1,339,605	57,448	361,574	107,086	134,321	53,424
1999	2,004,394	1,299,740	55,322	324,851	105,884	162,729	55,869
2000	2,784,863	1,852,451	77,316	458,420	171,956	131,854	92,865
2001	1,896,841	1,200,278	57,563	346,581	118,927	108,082	65,410
2002	1,787,919	1,190,874	346	260,869	170,097	94,260	71,473
2003	1,948,847	1,220,116	-	417,621	118,506	126,803	65,801
2004	1,927,400	1,353,410	-	289,974	127,658	93,954	62,404
2005	2,218,040	1,531,297	-	375,663	132,069	122,804	56,207
2006	2,177,018	1,556,652	-	325,939	133,624	97,408	63,396
2007	2,244,758	1,685,875	-	291,799	141,225	70,826	55,032
2008	2,231,614	1,710,617	-	264,918	140,992	64,674	50,412
2009	2,113,644	1,483,518	-	330,928	133,410	86,342	79,446
2010	2,115,554	1,565,847	-	286,479	139,479	69,617	54,132
2011	2,306,173	1,703,989	-	293,954	137,926	81,488	88,817
2012	2,321,205	1,733,350	-	298,007	162,670	78,490	48,689
2013	2,457,632	1,768,817	-	275,040	258,960	108,062	46,755
2014	2,508,815	1,917,609	-	271,916	143,098	125,983	50,209
2015	2,662,328	2,076,623	-	262,085	177,017	98,200	48,403
2016	2,690,918	2,165,967	-	254,953	142,376	67,579	60,043
2017	2,753,329	2,187,690	-	271,421	180,231	55,373	58,614
2018	2,848,987	2,299,208	-	273,238	156,961	61,922	57,658

(1) See (1) of Table 9-1a.

(2) Excluding Financial Enterprises Business Tax, Health and Welfare Surcharge on Tobacco. After FY 2013, taxes include Specifically Selected Goods and Services Tax, starting from 2017, taxes excludes revenues for long-term care services development fund.

Source: See Table 9-1a.

9-2b. Net Government Revenues of All Levels by Source (Continued)

Period (1)	Total	Taxes (2)	Monopolies	Surplus of Public Enterprises	Fees, Fines & Indemnities	Public Properties	Others
II. percentage(%)							
FY1955	100.0	68.7	15.2	4.1	2.6	2.4	7.1
1960	100.0	59.1	16.1	9.8	2.3	3.3	9.4
1965	100.0	54.1	14.8	14.0	3.7	6.9	6.5
1970	100.0	63.5	12.4	10.2	4.5	4.8	4.5
1975	100.0	66.8	10.4	11.3	5.1	3.2	3.2
1980	100.0	69.6	7.1	9.7	4.6	4.3	4.7
1985	100.0	65.1	7.7	14.2	5.1	2.5	5.5
1990	100.0	72.8	4.8	11.1	3.3	4.0	4.0
1995	100.0	75.1	3.9	9.1	5.6	3.4	2.9
1996	100.0	71.2	3.5	11.3	5.7	4.3	4.0
1997	100.0	71.2	3.4	10.6	5.8	5.5	3.5
1998	100.0	65.2	2.8	17.6	5.3	6.5	2.6
1999	100.0	64.8	2.8	16.2	5.3	8.2	2.8
2000	100.0	66.5	2.8	16.5	6.1	4.8	3.3
2001	100.0	63.3	3.0	18.3	6.3	5.7	3.5
2002	100.0	66.6	0.02	14.6	9.5	5.2	4.0
2003	100.0	62.6	-	21.4	6.1	6.5	3.4
2004	100.0	70.2	-	15.0	6.6	4.9	3.3
2005	100.0	69.0	-	16.9	6.0	5.6	2.6
2006	100.0	71.5	-	15.0	6.2	4.5	2.9
2007	100.0	75.1	-	13.0	6.3	3.2	2.4
2008	100.0	76.7	-	11.9	6.3	2.9	2.3
2009	100.0	70.2	-	15.7	6.4	4.1	3.7
2010	100.0	74.0	-	13.5	6.6	3.3	2.6
2011	100.0	73.9	-	12.7	6.0	3.5	3.8
2012	100.0	74.7	-	12.8	7.0	3.4	2.1
2013	100.0	72.0	-	11.2	10.5	4.3	2.0
2014	100.0	76.4	-	10.8	5.7	5.0	2.1
2015	100.0	78.0	-	9.8	6.6	3.7	1.9
2016	100.0	80.5	-	9.5	5.3	2.5	2.2
2017	100.0	79.5	-	9.9	6.6	2.0	2.0
2018	100.0	80.7	-	9.6	5.5	2.2	2.0

9-3a. Net Government Expenditures of All Levels by Administrative Affair

Period (1)	Total	General Administration	National Defense	Education, Science & Culture	Economic Development	Social Welfare	Community Development & Environmental Protection	Retirement and Condolence	Obligations (2)	Others
I. Amount (NT\$ million)										
FY 1955	6,414	981	3,173	892	690	-	435	-	-	243
1960	12,080	1,408	5,962	1,648	1,692	-	839	-	16	515
1965	22,387	2,865	9,190	2,794	4,270	-	1,699	-	967	602
1970	47,226	6,349	17,628	7,992	8,795	-	4,712	-	756	994
1975	123,558	19,377	30,231	20,741	37,486	-	12,657	-	957	2,109
1980	340,363	32,031	103,141	52,846	108,860	-	38,224	-	1,827	3,434
1985	546,338	61,968	135,243	111,522	138,021	34,279	14,001	40,462	6,032	4,810
1990	1,097,518	125,786	210,974	227,271	302,281	96,207	31,248	76,246	16,755	10,749
1995	1,910,066	222,403	269,960	357,487	438,152	231,766	65,309	118,121	194,890	11,978
1996	1,843,786	243,973	284,926	374,401	329,135	290,002	68,035	137,118	106,061	10,135
1997	1,878,764	244,757	291,920	375,822	295,035	294,982	68,614	179,723	115,630	12,280
1998	1,992,593	257,265	312,286	411,513	335,012	282,767	74,850	187,673	115,896	15,331
1999	2,050,004	279,113	286,571	429,127	351,103	280,452	90,310	180,582	140,910	11,836
2000	3,140,936	468,033	357,757	655,109	474,895	531,809	106,102	265,079	270,252	11,900
2001	2,271,755	328,736	247,597	430,078	398,792	396,981	109,597	175,722	171,565	12,687
2002	2,144,994	325,815	225,243	437,756	405,257	323,615	71,702	170,988	170,966	13,652
2003	2,216,514	331,885	237,946	464,186	400,910	346,911	90,061	173,223	159,667	11,726
2004	2,245,047	334,797	253,019	469,544	412,870	347,557	95,008	179,665	139,331	13,254
2005	2,291,999	341,874	247,472	473,243	430,476	357,762	100,704	191,531	132,639	16,298
2006	2,214,226	345,237	234,699	484,827	341,944	370,303	88,849	196,963	138,331	13,072
2007	2,290,169	343,950	255,854	492,625	383,298	372,202	87,282	200,677	139,380	14,901
2008	2,343,585	350,500	262,150	495,515	432,335	368,136	82,157	202,228	134,697	15,867
2009	2,670,898	357,412	297,746	581,535	601,896	388,562	91,639	205,291	129,484	17,333
2010	2,566,804	368,420	286,929	554,254	517,039	415,356	89,388	201,002	119,615	14,801
2011	2,612,947	376,015	288,889	473,801	588,555	446,922	88,872	213,039	121,120	15,735
2012	2,677,984	388,759	303,903	595,622	403,945	540,440	85,380	218,355	124,937	16,643
2013	2,665,241	381,641	292,646	599,058	393,669	536,912	104,932	209,680	128,453	18,250
2014	2,645,712	380,634	291,418	618,139	399,261	517,143	84,293	213,708	125,171	15,945
2015	2,645,189	382,543	304,636	634,781	352,780	532,096	82,498	218,504	120,640	16,712
2016	2,745,305	385,293	314,847	664,723	394,635	548,538	91,967	208,057	121,036	16,209
2017	2,778,361	382,968	304,632	691,268	389,523	563,844	124,648	198,495	107,339	15,642
2018	2,844,538	401,529	308,571	675,439	452,368	588,006	106,720	189,213	106,239	16,453

(1) See (1) of Table 9-1a.

(2) Debt repayment is excluded.

Source: See Table 9-1a.

9-3b. Net Government Expenditures of All Levels by Administrative Affair (Continued)

Period (1)	Total	General Administration	National Defense	Education, Science & Culture	Economic Development	Social Welfare	Community Development & Environmental Protection	Retirement and Condolence	Obligation (2)	Others
II. Percentage (%)										
FY 1955	100.0	15.3	49.5	13.9	10.8	-	6.8	-	-	3.8
1960	100.0	11.7	49.4	13.6	14.0	-	6.9	-	0.1	4.3
1965	100.0	12.8	41.1	12.5	19.1	-	7.6	-	4.3	2.7
1970	100.0	13.4	37.3	16.9	18.6	-	10.0	-	1.6	2.1
1975	100.0	15.7	24.5	16.8	30.3	-	10.2	-	0.8	1.7
1980	100.0	9.4	30.3	15.5	32.0	-	11.2	-	0.5	1.0
1985	100.0	11.3	24.8	20.4	25.3	6.3	2.6	7.4	1.1	0.9
1990	100.0	11.5	19.2	20.7	27.5	8.8	2.8	6.9	1.5	1.1
1995	100.0	11.6	14.1	18.7	22.9	12.1	3.4	6.2	10.2	0.8
1996	100.0	13.2	15.5	20.3	17.9	15.7	3.7	7.4	5.8	0.5
1997	100.0	13.0	15.5	20.0	15.7	15.7	3.7	9.6	6.2	0.6
1998	100.0	12.9	15.7	20.7	16.8	14.2	3.8	9.4	5.8	0.7
1999	100.0	13.6	14.0	20.9	17.1	13.7	4.4	8.8	6.9	0.6
2000	100.0	14.9	11.4	20.9	15.1	16.9	3.4	8.4	8.6	0.4
2001	100.0	14.5	10.9	18.9	17.6	17.5	4.8	7.7	7.6	0.5
2002	100.0	15.2	10.5	20.4	18.9	15.1	3.3	8.0	8.0	0.6
2003	100.0	15.0	10.7	20.9	18.1	15.7	4.1	7.8	7.2	0.5
2004	100.0	14.9	11.3	20.9	18.4	15.5	4.2	8.0	6.2	0.6
2005	100.0	14.9	10.8	20.6	18.8	15.6	4.4	8.4	5.8	0.7
2006	100.0	15.6	10.6	21.9	15.4	16.7	4.0	8.9	6.2	0.7
2007	100.0	15.0	11.2	21.5	16.7	16.3	3.8	8.8	6.1	0.6
2008	100.0	15.0	11.2	21.1	18.4	15.7	3.5	8.6	5.7	0.8
2009	100.0	13.4	11.1	21.8	22.5	14.5	3.4	7.7	4.8	0.8
2010	100.0	14.4	11.2	21.6	20.1	16.2	3.5	7.8	4.7	0.5
2011	100.0	14.4	11.1	22.5	18.1	17.1	3.4	8.2	4.6	0.6
2012	100.0	14.5	11.3	22.2	15.1	20.2	3.2	8.2	4.7	0.6
2013	100.0	14.3	11.0	22.5	14.8	20.1	3.9	7.9	4.8	0.7
2014	100.0	14.4	11.0	23.4	15.1	19.5	3.2	8.1	4.7	0.6
2015	100.0	14.5	11.5	24.0	13.3	20.1	3.1	8.3	4.6	0.6
2016	100.0	14.0	11.5	24.2	14.4	20.0	3.3	7.6	4.4	0.6
2017	100.0	13.8	11.0	24.9	14.0	20.3	4.5	7.1	3.9	0.5
2018	100.0	14.1	10.8	23.7	15.9	20.7	3.8	6.7	3.7	0.6

9-4. Net Government Expenditures of All Levels as a Percentage of GDP

Unit: NT\$ million

Period (1)	Gross Domestic Product (A)	Net Government Expenditure of All Levels (B)	Percentage (%) (B/A x 100)
FY 1955	-	6,414	-
1960	-	12,080	-
1965	108,650	22,387	20.6
1970	214,759	47,226	22.0
1975	566,688	123,558	21.8
1980	1,363,545	340,363	25.0
1985	2,476,902	546,338	22.1
1990	4,267,101	1,097,518	25.7
1995	7,058,829	1,910,066	27.1
1996	7,723,799	1,843,786	23.9
1997	8,331,981	1,878,764	22.5
1998	9,095,135	1,992,593	21.9
1999	9,628,012	2,050,004	21.3
2000	15,342,421	3,140,936	20.5
2001	10,158,209	2,271,755	22.4
2002	10,680,883	2,144,994	20.1
2003	10,965,866	2,216,514	20.2
2004	11,649,645	2,245,047	19.3
2005	12,092,254	2,291,999	19.0
2006	12,640,803	2,214,226	17.5
2007	13,407,062	2,290,169	17.1
2008	13,150,950	2,343,585	17.8
2009	12,961,656	2,670,898	20.6
2010	14,119,213	2,566,804	18.2
2011	14,312,200	2,612,947	18.3
2012	14,686,917	2,677,984	18.2
2013	15,230,739	2,665,241	17.5
2014	16,111,867	2,645,712	16.4
2015	16,770,671	2,645,189	15.8
2016	17,176,300	2,745,305	16.0
2017	17,501,181	2,778,361	15.9
2018	17,793,139	2,844,538	16.0

(1) See (1) of Table 9-1a.

Source: See Table 9-1a.

9-5a. Total Tax Revenues

Unit: NT\$ million

Period (1)	Total	Customs Duties	Income Tax	Estate and Gift Tax (2)	Business Tax (3)	Financial Enterprises Business Tax	Commodity Tax	Tobacco and Alcohol Tax (2)	Securities Transactions Tax
FY 1955	5,095	1,096	624	1	223		477	-	-
1960	8,989	1,354	704	5	385		895	-	0
1965	15,247	2,897	1,360	17	696		2,074	-	-
1970	36,664	6,696	3,438	86	1,954		6,272	-	15
1975	97,504	23,527	16,373	149	5,813		14,018	-	137
1980	261,349	57,003	45,052	1,087	16,479		41,678	-	439
1985	394,846	66,873	75,889	2,831	30,654		54,573	-	581
1990	847,733	81,880	225,752	6,490	111,879		85,061	-	106,727
1995	1,232,264	115,366	319,384	21,458	214,247		156,757	-	49,223
1996	1,197,797	104,806	343,550	24,453	216,837		154,673	-	33,920
1997	1,271,453	103,406	352,890	24,326	223,450		146,445	-	79,118
1998	1,397,052	114,331	398,390	25,519	243,998		150,363	-	119,683
1999	1,355,062	103,045	432,389	21,568	251,782		145,497	-	84,677
2000	1,929,767	156,815	610,580	39,135	324,410		219,425	-	160,292
2001	1,257,841	92,558	478,636	22,710	203,707		133,883	-	63,899
2002	1,225,601	85,901	392,939	23,537	240,817	26,083	143,641	41,188	76,794
2003	1,252,766	82,783	411,087	30,106	219,954	22,433	146,012	49,773	69,283
2004	1,387,300	78,885	455,914	29,048	257,689	24,230	159,644	48,336	84,148
2005	1,567,396	82,374	625,807	30,451	263,243	25,712	168,411	50,443	68,204
2006	1,600,804	79,567	646,218	28,694	263,575	26,644	159,201	51,042	89,954
2007	1,733,895	81,859	730,160	28,481	274,268	28,131	149,037	50,415	128,895
2008	1,760,438	80,426	834,988	28,978	273,667	29,706	126,660	49,506	90,630
2009	1,530,282	68,827	640,967	22,327	245,356	21,853	127,879	45,349	105,956
2010	1,622,244	89,484	590,387	40,330	289,816	21,602	150,777	44,516	104,574
2011	1,764,611	96,323	710,191	23,659	307,691	23,806	164,877	44,660	93,990
2012	1,796,697	94,918	760,810	28,280	306,537	24,720	160,897	44,939	71,940
2013	1,834,124	97,009	743,290	23,728	327,971	24,932	162,504	44,769	71,383
2014	1,976,107	107,142	813,484	25,444	360,697	25,609	172,897	43,810	88,711
2015	2,134,857	110,978	936,731	32,736	360,898	25,137	183,131	44,160	82,033
2016	2,224,075	114,971	1,006,360	47,515	378,354	23,746	181,907	45,627	70,855
2017	2,251,246	114,957	986,412	51,085	384,978	23,124	178,467	50,235	89,967
2018	2,386,945	120,057	1,077,079	31,825	415,409	24,474	180,111	69,603	101,171

(1) See (1) of Table 9-1a.

(2) Since 2017, estate and gift tax, tobacco and alcohol tax, both include revenues for long-term care services development fund.

(3) Business tax include undesignated portion and financial enterprises business tax, which were appropriated to financial special reserves.

Note: The figures excluded Defense Surtax, Temporary Tax and Education Surtax.

Source: See Table 9-1a.

9-5b. Total Tax Revenues (Continued)

Unit: NT\$ million

Period (1)	Futures Transactions Tax	Land Tax	House Tax	Vehicle License Tax	Deed Tax	Other Tax	Tobacco & Wine Monopoly Revenue	Health and Welfare Surcharge on Tobacco	Specifically Selected Goods and Services Tax
FY 1955	-	315	147	53	68	1,170	921	-	-
1960	-	440	168	77	51	3,024	1,886	-	-
1965	-	872	336	155	142	3,423	3,273	-	-
1970	-	3,038	1,235	347	451	7,124	6,007	-	-
1975	-	6,234	2,896	1,330	1,191	12,720	13,115	-	-
1980	-	26,999	6,822	4,586	3,477	33,566	24,162	-	-
1985	-	46,094	16,807	8,076	4,934	45,796	41,738	-	-
1990	-	105,556	24,505	16,482	8,394	22,087	52,921	-	-
1995	-	193,615	35,871	30,446	17,616	16,872	61,408	-	-
1996	-	158,134	38,850	36,367	17,153	13,093	55,959	-	-
1997	-	174,783	41,594	39,070	15,506	12,684	58,179	-	-
1998	-	173,803	43,800	41,996	14,347	13,374	57,448	-	-
1999	1,204	148,313	45,661	43,216	13,097	9,290	55,322	-	-
2000	2,484	215,533	48,436	46,689	15,267	13,386	77,316	-	-
2001	1,862	93,182	48,056	44,688	8,493	8,603	57,563	-	-
2002	2,864	98,069	46,464	45,886	10,262	8,594	346	8,298	-
2003	4,806	111,803	48,013	47,765	11,600	9,565	-	10,217	-
2004	8,272	133,893	49,323	49,904	12,937	9,645	-	9,661	-
2005	6,342	135,370	50,877	51,863	13,178	10,447	-	10,387	-
2006	4,072	131,208	52,494	52,548	14,014	10,708	-	17,508	-
2007	5,758	133,691	53,883	53,271	13,637	10,652	-	19,888	-
2008	6,692	116,082	55,343	53,255	12,696	11,400	-	20,115	-
2009	3,750	112,367	56,347	53,050	13,066	10,130	-	24,911	-
2010	4,556	136,357	58,203	54,052	13,815	10,581	-	34,795	-
2011	5,860	141,982	59,467	55,380	12,640	11,075	-	34,609	2,206
2012	4,298	143,849	61,796	56,534	11,693	11,578	-	34,352	4,275
2013	2,669	174,081	63,013	57,759	13,560	12,012	-	35,057	5,318
2014	2,862	173,175	64,673	59,326	12,535	13,061	-	32,889	5,401
2015	3,783	184,598	69,422	61,679	13,827	13,592	-	33,097	4,192
2016	3,706	177,274	72,963	63,016	11,376	12,963	-	34,363	2,826
2017	4,190	188,638	76,724	64,077	12,789	14,232	-	32,178	2,317
2018	6,100	182,437	78,588	64,830	13,366	15,710	-	28,186	2,474

9-6a. Structure of Total Tax Revenues

Unit: %

Period (1)	Total	Customs Duties	Income Tax	Estate and Gift Tax (2)	Business Tax (3)	Financial	Commodity Tax	Tobacco and Alcohol Tax (2)	Securities Transactions Tax
						Enterprises Business Tax			
FY 1955	100.0	21.5	12.2	0.0	4.4	-	9.4	-	-
1960	100.0	15.1	7.8	0.1	4.3	-	10.0	-	0.0
1965	100.0	19.0	8.9	0.1	4.6	-	13.6	-	-
1970	100.0	18.3	9.4	0.2	5.3	-	17.1	-	0.0
1975	100.0	24.1	16.8	0.2	6.0	-	14.4	-	0.1
1980	100.0	21.8	17.2	0.4	6.3	-	15.9	-	0.2
1985	100.0	16.9	19.2	0.7	7.8	-	13.8	-	0.1
1990	100.0	9.7	26.6	0.8	13.2	-	10.0	-	12.6
1995	100.0	9.4	25.9	1.7	17.4	-	12.7	-	4.0
1996	100.0	8.7	28.7	2.0	18.1	-	12.9	-	2.8
1997	100.0	8.1	27.8	1.9	17.6	-	11.5	-	6.2
1998	100.0	8.2	28.5	1.8	17.5	-	10.8	-	8.6
1999	100.0	7.6	31.9	1.6	18.6	-	10.7	-	6.2
2000	100.0	8.1	31.6	2.0	16.8	-	11.4	-	8.3
2001	100.0	7.4	38.1	1.8	16.2	-	10.6	-	5.1
2002	100.0	7.0	32.1	1.9	19.6	2.1	11.7	3.4	6.3
2003	100.0	6.6	32.8	2.4	17.6	1.8	11.7	4.0	5.5
2004	100.0	5.7	32.9	2.1	18.6	1.7	11.5	3.5	6.1
2005	100.0	5.3	39.9	1.9	16.8	1.6	10.7	3.2	4.4
2006	100.0	5.0	40.4	1.8	16.5	1.7	9.9	3.2	5.6
2007	100.0	4.7	42.1	1.6	15.8	1.6	8.6	2.9	7.4
2008	100.0	4.6	47.4	1.6	15.5	1.7	7.2	2.8	5.1
2009	100.0	4.5	41.9	1.5	16.0	1.4	8.4	3.0	6.9
2010	100.0	5.5	36.4	2.5	17.9	1.3	9.3	2.7	6.4
2011	100.0	5.5	40.2	1.3	17.4	1.3	9.3	2.5	5.3
2012	100.0	5.3	42.3	1.6	17.1	1.4	9.0	2.5	4.0
2013	100.0	5.3	40.5	1.3	17.9	1.4	8.9	2.4	3.9
2014	100.0	5.4	41.2	1.3	18.3	1.3	8.7	2.2	4.5
2015	100.0	5.2	43.9	1.5	16.9	1.2	8.6	2.1	3.8
2016	100.0	5.2	45.2	2.1	17.0	1.1	8.2	2.1	3.2
2017	100.0	5.1	43.8	2.3	17.1	1.0	7.9	2.2	4.0
2018	100.0	5.0	45.1	1.3	17.4	1.0	7.5	2.9	4.2

(1) See (1) of Table 9-1a. (2) See (2) of Table 9-5a. (3) See (3) of Table 9-5a.

Note: See Table 9-5a.

Source: See Table 9-1a.

9-6b. Structure of Total Tax Revenues (Continued)

Unit: %

Period (1)	Futures Transactions Tax	Land Tax	House Tax	Vehicle License Tax	Deed Tax	Other Tax	Tobacco & Wine Monopoly Revenue	Health and Welfare Surcharge on Tobacco	Specifically Selected Goods and Services Tax
FY 1955	-	6.2	2.9	1.0	1.3	23.0	18.1	-	-
1960	-	4.9	1.9	0.9	0.6	33.6	21.0	-	-
1965	-	5.7	2.2	1.0	0.9	22.4	21.5	-	-
1970	-	8.3	3.4	0.9	1.2	19.4	16.4	-	-
1975	-	6.4	3.0	1.4	1.2	13.0	13.5	-	-
1980	-	10.3	2.6	1.8	1.3	12.8	9.2	-	-
1985	-	11.7	4.3	2.0	1.2	11.6	10.6	-	-
1990	-	12.5	2.9	1.9	1.0	2.6	6.2	-	-
1995	-	15.7	2.9	2.5	1.4	1.4	5.0	-	-
1996	-	13.2	3.2	3.0	1.4	1.1	4.7	-	-
1997	-	13.7	3.3	3.1	1.2	1.0	4.6	-	-
1998	-	12.4	3.1	3.0	1.0	1.0	4.1	-	-
1999	0.1	10.9	3.4	3.2	1.0	0.7	4.1	-	-
2000	0.1	11.2	2.5	2.4	0.8	0.7	4.0	-	-
2001	0.1	7.4	3.8	3.6	0.7	0.7	4.6	-	-
2002	0.2	8.0	3.8	3.7	0.8	0.7	0.0	0.7	-
2003	0.4	8.9	3.8	3.8	0.9	0.8	-	0.8	-
2004	0.6	9.7	3.6	3.6	0.9	0.7	-	0.7	-
2005	0.4	8.6	3.2	3.3	0.8	0.7	-	0.7	-
2006	0.3	8.2	3.3	3.3	0.9	0.7	-	1.1	-
2007	0.3	7.7	3.1	3.1	0.8	0.6	-	1.1	-
2008	0.4	6.6	3.1	3.0	0.7	0.6	-	1.1	-
2009	0.2	7.3	3.7	3.5	0.9	0.7	-	1.6	-
2010	0.3	8.4	3.6	3.3	0.9	0.7	-	2.1	-
2011	0.3	8.0	3.4	3.1	0.7	0.6	-	2.0	0.1
2012	0.2	8.0	3.4	3.1	0.7	0.6	-	1.9	0.2
2013	0.1	9.5	3.4	3.1	0.7	0.7	-	1.9	0.3
2014	0.1	8.8	3.3	3.0	0.6	0.7	-	1.7	0.3
2015	0.2	8.6	3.3	2.9	0.6	0.6	-	1.6	0.2
2016	0.2	8.0	3.3	2.8	0.5	0.6	-	1.5	0.1
2017	0.2	8.4	3.4	2.8	0.6	0.6	-	1.4	0.1
2018	0.3	7.6	3.3	2.7	0.6	0.7	-	1.2	0.1

9-7. Total Tax Revenues by Direct and Indirect Taxes

Amount unit: NTS million

Period (1)	Total		Direct Taxes (2)		Indirect Taxes	
	Amount	%	Amount	%	Amount	%
FY 1955	5,095	100.0	1,427	28.0	3,668	72.0
1960	8,989	100.0	2,132	23.7	6,857	76.3
1965	15,247	100.0	3,362	22.1	11,885	77.9
1970	36,664	100.0	8,662	23.6	28,002	76.4
1975	97,504	100.0	27,692	28.4	69,812	71.6
1980	261,349	100.0	85,535	32.7	175,814	67.3
1985	394,846	100.0	150,164	38.0	244,682	62.0
1990	847,733	100.0	481,862	56.8	365,871	43.2
1995	1,232,264	100.0	645,722	52.4	586,542	47.6
1996	1,197,797	100.0	620,387	51.8	577,410	48.2
1997	1,271,453	100.0	692,493	54.5	578,960	45.5
1998	1,397,052	100.0	780,054	55.8	616,998	44.2
1999	1,355,062	100.0	747,112	55.1	607,950	44.9
2000	1,929,767	100.0	1,091,822	56.6	837,946	43.4
2001	1,257,841	100.0	716,872	57.0	540,969	43.0
2002	1,225,601	100.0	650,962	53.1	574,639	46.9
2003	1,252,766	100.0	686,725	54.8	566,041	45.2
2004	1,387,300	100.0	773,547	55.8	613,753	44.2
2005	1,567,396	100.0	930,238	59.3	637,159	40.7
2006	1,600,804	100.0	966,661	60.4	634,143	39.6
2007	1,733,895	100.0	1,094,508	63.1	639,386	36.9
2008	1,760,438	100.0	1,145,415	65.1	615,023	34.9
2009	1,530,282	100.0	954,779	62.4	575,503	37.6
2010	1,622,244	100.0	948,214	58.5	674,030	41.5
2011	1,764,611	100.0	1,047,790	59.4	716,820	40.6
2012	1,796,697	100.0	1,082,668	60.3	714,029	39.7
2013	1,834,124	100.0	1,091,726	59.5	742,398	40.5
2014	1,976,107	100.0	1,180,883	59.8	795,224	40.2
2015	2,134,857	100.0	1,323,137	62.0	811,720	38.0
2016	2,224,075	100.0	1,390,047	62.5	834,028	37.5
2017	2,251,246	100.0	1,409,806	62.6	841,440	37.4
2018	2,386,945	100.0	1,490,565	62.4	896,380	37.6

(1) See (1) of Table 9-1a.

(2) Including Income Tax, Mining Concession Tax, Estate and Gift Tax, Securities Transactions Tax, Futures Transactions Tax, Agricultural Land Tax, Land Value Tax, Land Value Increment Tax, House Tax, Deed Tax and Education Surtax.

Source: See Table 9-1a.

9-8. Tax Revenues Index

Unit: NT\$ million

Period (1)	Gross Domestic Product	Net Government Expenditure of All Levels	Population (Mid of Current Year; Thousand Persons)	Tax Revenues				
				Amount	Growth Rate (%)	% to GDP	% to Net Gov. Exp. of All levels (2)	Per Capita Tax Burden (NT\$)
FY 1955	-	12,080	10,431	8,989	-	-	74.4	862
1965	108,650	22,387	12,257	15,247	18.7	14.0	68.1	1,244
1970	214,759	47,226	14,335	36,664	11.9	17.1	77.6	2,558
1975	566,688	123,558	15,852	97,504	9.7	17.2	78.9	6,151
1980	1,363,545	340,363	17,479	261,349	18.5	19.2	76.8	14,952
1985	2,476,902	546,338	19,013	394,846	3.0	15.9	72.3	20,767
1990	4,267,101	1,097,518	20,107	847,733	25.1	19.9	77.2	42,161
1995	7,058,829	1,910,066	21,178	1,232,264	9.3	17.5	64.5	58,186
1996	7,723,799	1,843,786	21,357	1,197,797	-2.8	15.5	65.0	56,084
1997	8,331,981	1,878,764	21,525	1,271,453	6.1	15.3	67.7	59,069
1998	9,095,135	1,992,593	21,743	1,397,052	9.9	15.4	70.1	64,253
1999	9,628,012	2,050,004	21,929	1,355,062	-3.0	14.1	66.1	61,793
2000	15,342,421	3,140,936	22,092	1,929,767	42.4	12.6	61.4	87,351
2001	10,158,209	2,271,755	22,340	1,257,841	-34.8	12.4	55.4	56,304
2002	10,680,883	2,144,994	22,457	1,225,601	-2.6	11.5	55.5	54,575
2003	10,965,866	2,216,514	22,554	1,252,766	2.2	11.4	55.0	55,545
2004	11,649,645	2,245,047	22,640	1,387,300	10.7	11.9	60.3	61,277
2005	12,092,254	2,291,999	22,723	1,567,396	13.0	13.0	66.8	68,978
2006	12,640,803	2,214,226	22,815	1,600,804	2.1	12.7	70.3	70,165
2007	13,407,062	2,290,169	22,902	1,733,895	8.3	12.9	73.6	75,709
2008	13,150,950	2,343,585	22,994	1,760,438	1.5	13.4	73.0	76,561
2009	12,961,656	2,670,898	23,070	1,530,282	-13.1	11.8	55.5	66,332
2010	14,119,213	2,566,804	23,138	1,622,244	6.0	11.5	61.0	70,112
2011	14,312,200	2,612,947	23,180	1,764,611	8.8	12.3	65.2	76,126
2012	14,686,917	2,677,984	23,262	1,796,697	1.8	12.2	64.7	77,237
2013	15,230,739	2,665,241	23,344	1,834,124	2.1	12.0	66.4	78,569
2014	16,111,867	2,645,712	23,392	1,976,107	7.7	12.3	72.5	84,478
2015	16,770,671	2,645,189	23,462	2,134,857	8.0	12.7	78.5	90,992
2016	17,176,300	2,745,305	23,508	2,224,075	4.2	12.9	78.9	94,609
2017	17,501,181	2,778,361	23,552	2,251,246	1.2	12.9	78.7	95,586
2018	17,793,139	2,844,538	23,574	2,386,945	6.0	13.4	80.8	101,253

(1) See (1) of Table 9-1a.

(2) This ratio excludes Financial Enterprises Business Tax & Health and Welfare Surcharge on Tobacco; from 2011 till 2013, tax revenues ratio excludes the Specifically Selected Goods and Services Tax, starting from 2017, tax revenues ratio excludes revenues for long-term care services development fund.

10. PRICES

10-1. Price Indices

Period	GDP Deflator (Base: 2011=100)	Wholesale Price Index (Base: 2016=100)	Consumer Price Index (Base: 2016=100)	Import Price Index (Base: 2016=100)	Export Price Index (Base: 2016=100)
1952	10.59	14.95	...	...	...
1955	14.30	19.02	...	...	...
1960	20.91	29.26	13.07	...	...
1965	23.26	32.38	14.71	...	...
1970	28.71	35.54	18.21	...	...
1975	47.00	60.87	32.36	...	...
1980	69.95	92.08	49.05	98.55	121.44
1985	82.52	95.67	59.44	100.04	128.49
1990	93.47	87.21	66.25	77.32	109.46
1995	107.55	94.63	79.67	84.75	117.75
1997	112.51	93.26	82.87	81.49	122.17
1998	116.18	93.81	84.26	82.09	128.98
1999	113.91	89.55	84.41	78.73	117.98
2000	112.88	91.17	85.47	82.36	116.95
2001	112.19	89.95	85.46	81.33	117.32
2002	111.73	89.99	85.29	81.66	115.57
2003	110.17	92.22	85.05	85.86	113.84
2004	109.89	98.71	86.42	93.21	115.68
2005	108.21	99.31	88.42	95.48	112.83
2006	107.10	104.91	88.95	103.89	115.65
2007	106.64	111.69	90.55	113.19	119.76
2008	103.87	117.44	93.74	123.19	117.20
2009	104.00	107.19	92.92	111.37	109.47
2010	102.40	113.04	93.82	119.21	111.68
2011	100.00	117.92	95.15	128.33	111.78
2012	100.54	116.55	96.99	126.69	109.97
2013	102.02	113.72	97.76	121.05	107.70
2014	103.75	113.08	98.93	118.52	107.81
2015	107.13	103.07	98.63	103.18	102.78
2016	108.08	100.00	100.00	100.00	100.00
2017	106.84	100.90	100.62	101.36	98.54
2018	105.74	104.56	101.98	107.57	99.97

Source:1. Directorate-General of Budget, Accounting and Statistics, Executive Yuan, R.O.C. (Taiwan), <https://www.stat.gov.tw>

2. See Table 3-1.

10-2a. Group Indices of Wholesale Prices

Base: 2016=100

Period	General Index	Agriculture, Forestry, Livestock & Fishery Products					Quarrying and Mineral Products	Manufacturing Products	Foods	Beverages
		Farm Products	Poultry & Livestock Products	Forest Products	Fishery Products					
1981	99.11	51.33	53.43	76.01	25.24	38.74	59.81	106.26	66.91	77.57
1985	95.67	48.40	53.13	58.44	21.34	41.05	53.37	103.45	63.08	77.88
1990	87.21	47.65	53.94	54.60	26.57	40.24	34.92	95.94	60.22	77.05
1995	94.63	60.28	62.01	72.91	41.75	53.54	31.12	103.80	69.73	74.89
1996	93.68	63.28	66.22	71.84	44.79	58.68	34.81	101.90	73.53	75.07
1997	93.26	56.42	62.18	52.24	44.02	56.74	39.16	101.88	69.56	75.97
1998	93.81	61.56	68.46	58.46	43.23	55.94	36.54	102.35	68.25	76.81
1999	89.55	64.89	62.89	72.62	48.98	64.20	41.89	96.34	66.40	76.29
2000	91.17	58.09	60.09	56.72	49.75	59.84	52.07	98.06	62.69	75.64
2001	89.95	55.42	60.38	52.03	52.74	52.32	51.84	96.85	64.75	77.03
2002	89.99	55.56	57.58	56.98	55.21	52.06	54.55	96.67	66.29	93.27
2003	92.22	59.78	61.16	64.44	61.16	53.88	62.50	98.33	67.35	93.93
2004	98.71	67.16	69.70	71.66	73.69	59.02	78.06	104.34	71.88	94.20
2005	99.31	67.56	71.56	71.14	76.90	57.35	99.73	103.28	71.88	95.11
2006	104.91	65.29	69.55	65.47	82.91	57.80	120.24	108.41	75.05	95.51
2007	111.69	71.31	79.09	70.16	96.02	57.95	136.06	114.71	81.82	95.78
2008	117.44	86.54	92.90	87.78	92.51	73.78	180.34	117.13	90.85	97.49
2009	107.19	80.82	81.30	84.84	82.53	76.08	134.55	108.00	88.66	98.49
2010	113.04	85.04	85.71	86.86	94.48	81.53	159.24	112.95	94.63	98.27
2011	117.92	95.24	95.97	92.57	94.74	95.88	200.52	115.54	100.33	98.58
2012	116.55	96.14	97.27	87.23	88.62	101.77	202.59	113.51	100.98	101.64
2013	113.72	90.88	91.20	89.39	95.79	91.57	194.34	110.75	101.47	102.49
2014	113.08	95.24	91.36	102.65	102.91	95.94	181.45	110.19	103.01	101.94
2015	103.07	93.66	90.41	99.56	101.69	94.55	114.81	102.58	99.87	100.27
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	100.90	95.68	91.95	98.11	103.22	101.77	122.24	100.20	99.79	98.25
2018	104.56	92.42	84.62	98.07	108.70	104.70	155.20	102.85	99.87	99.09

Source: See Table 10-1.

10-2b. Group Indices of Wholesale Prices (Continued)

Period										
	Tobacco	Textile Products	Wearing Apparel & Clothing Accessories	Leather, Fur & Related Products	Wood & Bamboo Products	Pulp, Paper, Paper Products & Printed Matter	Petroleum & Coal Products	Chemical Products & Medical Goods	Rubber & Plastic Products	Non-metallic Mineral Products
1981	43.89	79.76	71.17	44.59	54.38	72.03	89.85	83.54	78.34	102.93
1985	43.89	76.11	80.34	48.50	49.83	72.61	83.47	76.95	79.85	100.29
1990	43.89	71.78	75.28	54.80	53.99	78.32	53.91	68.02	73.86	100.14
1995	43.59	81.61	81.72	61.85	65.57	101.86	53.66	84.68	79.76	104.86
1996	44.27	80.21	85.59	62.57	67.41	91.14	55.01	75.27	79.86	107.35
1997	45.37	84.27	89.39	66.27	70.73	89.82	59.57	73.83	82.38	104.35
1998	45.74	85.38	100.50	71.97	71.68	88.35	55.41	71.43	85.27	110.66
1999	45.74	80.03	97.46	68.41	72.75	88.17	55.13	68.40	82.78	104.29
2000	45.74	81.71	95.28	68.19	70.75	93.79	73.20	77.39	80.53	100.26
2001	45.74	81.83	96.92	74.72	73.92	85.12	73.56	74.60	80.28	99.68
2002	60.14	80.70	93.86	72.53	74.61	84.37	73.48	75.32	81.17	98.89
2003	60.55	82.28	92.27	73.33	76.28	87.11	81.93	82.93	82.64	100.51
2004	61.66	84.05	89.65	74.84	80.06	89.74	93.15	98.32	86.06	111.70
2005	61.25	83.49	86.64	74.92	78.59	87.89	108.30	102.50	86.66	111.95
2006	66.66	84.70	87.00	77.16	81.19	89.19	128.74	109.44	88.89	115.10
2007	68.62	87.95	87.26	81.12	85.69	94.62	144.45	118.95	91.96	121.58
2008	68.32	89.90	84.40	80.84	88.94	103.45	174.44	124.37	97.87	130.23
2009	74.31	90.58	87.21	80.43	86.40	95.08	130.28	107.32	100.25	129.08
2010	78.42	95.81	85.17	84.93	92.96	107.62	154.05	123.48	101.61	123.06
2011	80.84	105.56	88.05	86.59	93.63	107.34	182.66	135.72	104.62	119.52
2012	87.40	103.47	92.69	89.70	94.11	102.23	192.24	128.41	104.69	116.90
2013	89.97	102.72	93.53	93.37	98.54	100.61	189.22	126.16	101.70	107.01
2014	95.19	102.97	96.33	100.93	101.89	100.83	182.25	123.85	100.57	105.03
2015	97.35	101.83	101.31	99.69	102.01	101.20	119.31	104.95	99.57	99.18
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	112.43	97.51	95.12	99.16	96.76	102.05	114.40	105.41	97.24	94.44
2018	121.28	99.19	94.81	98.62	99.65	106.58	139.09	112.53	98.76	94.95

10-2c. Group Indices of Wholesale Prices (Continued)

Period										Water Supply, Electricity & Gas
	Basic Metals	Fabricated Metal Products	Electronic Parts & Components	Computer, Electronic & Optical Products	Electrical Equipment	Machinery and Equipment	Transport Equipment and Parts	Furniture & Fixtures	Miscellaneous Products	
1981	68.15	66.70	332.14	...	...	77.61	69.49	59.57	71.80	99.10
1985	62.01	67.08	331.40	...	...	77.69	72.33	59.37	70.58	96.21
1990	60.51	68.19	275.46	-	-	81.95	80.59	64.00	59.88	75.13
1995	63.95	70.28	265.44	296.61	88.39	92.23	90.31	69.36	75.40	75.04
1996	59.72	70.88	262.76	293.83	86.42	88.74	89.39	70.02	79.19	75.05
1997	60.82	70.81	252.64	282.62	85.70	87.21	88.55	72.17	82.21	75.96
1998	60.34	74.13	238.03	274.60	87.84	95.40	92.46	80.63	89.84	76.27
1999	55.08	69.45	206.46	238.08	81.86	94.51	92.38	77.36	85.24	75.47
2000	57.67	70.66	205.43	220.19	79.07	92.14	92.27	74.58	83.54	77.04
2001	55.19	71.75	191.56	217.16	80.11	92.72	91.84	77.92	85.46	77.14
2002	59.26	73.55	177.77	208.48	79.07	91.82	90.72	78.98	85.27	76.83
2003	69.72	78.61	162.21	197.41	78.37	93.14	92.11	80.01	84.41	77.58
2004	94.64	91.38	156.85	181.48	81.25	93.86	92.59	83.37	85.34	78.22
2005	98.48	93.28	140.81	162.55	82.98	91.40	90.68	84.30	84.20	79.10
2006	118.36	95.99	136.77	155.35	95.32	91.69	90.21	85.42	86.64	82.95
2007	144.25	106.03	130.79	149.29	100.30	93.20	91.37	86.94	88.14	86.71
2008	159.40	114.09	115.96	135.91	101.72	96.92	93.75	91.27	86.68	94.12
2009	116.38	102.14	114.61	135.47	98.00	102.79	97.76	93.08	89.00	102.49
2010	140.63	106.86	109.34	125.45	103.20	101.55	97.40	91.41	88.76	105.70
2011	147.07	108.39	101.43	118.13	105.46	102.82	98.76	92.36	91.09	106.58
2012	132.71	104.25	101.23	118.20	104.27	104.12	99.88	94.32	92.89	113.76
2013	123.26	102.62	99.90	113.45	101.99	99.12	99.03	94.45	96.43	121.72
2014	122.99	104.22	101.18	107.74	101.81	98.83	99.34	96.73	98.48	128.94
2015	105.64	101.72	101.32	103.36	100.61	97.83	99.34	100.45	99.76	113.45
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	112.60	101.41	96.16	96.09	98.58	95.54	97.38	97.13	96.98	99.35
2018	120.59	103.87	95.31	92.14	99.52	96.28	97.76	98.63	98.70	102.68

10-3a. Group Link Indices of Wholesale Prices

Base: 2016=100

Period	General Index	Agriculture, Forestry, Livestock & Fishery Products	Agriculture, Forestry, Livestock & Fishery Products				Quarrying and Mineral Products	Manufacturing Products	Foods	Beverages
			Farm Products	Poultry & Livestock Products	Forest Products	Fishery Products				
1985	97.40	94.72	96.93	85.78	86.36	101.81	99.39	97.55	94.33	99.99
1990	99.40	94.10	103.89	75.60	97.33	98.15	118.57	99.35	97.19	99.68
1995	107.38	105.00	105.12	108.46	96.85	101.73	111.66	107.68	106.88	99.32
1996	99.00	104.98	106.79	98.53	107.28	109.60	111.86	98.17	105.45	100.24
1997	99.55	89.16	93.90	72.72	98.28	96.69	112.50	99.98	94.60	101.20
1998	100.59	109.11	110.10	111.91	98.21	98.59	93.31	100.46	98.12	101.11
1999	95.46	105.41	91.86	124.22	113.30	114.77	114.64	94.13	97.29	99.32
2000	101.81	89.52	95.55	78.11	101.57	93.21	124.30	101.79	94.41	99.15
2001	98.66	95.40	100.48	91.73	106.01	87.43	99.56	98.77	103.29	101.84
2002	100.04	100.25	95.36	109.51	104.68	99.50	105.23	99.81	102.38	121.08
2003	102.48	107.60	106.22	113.09	110.78	103.50	114.57	101.72	101.60	100.71
2004	107.04	112.35	113.96	111.20	120.49	109.54	124.90	106.11	106.73	100.29
2005	100.61	100.60	102.67	99.27	104.36	97.17	127.76	98.98	100.00	100.97
2006	105.64	96.64	97.19	92.03	107.82	100.78	120.57	104.97	104.41	100.42
2007	106.46	109.22	113.72	107.16	115.81	100.26	113.16	105.81	109.02	100.28
2008	105.15	121.36	117.46	125.11	96.34	127.32	132.54	102.11	111.04	101.79
2009	91.27	93.39	87.51	96.65	89.21	103.12	74.61	92.21	97.59	101.03
2010	105.46	105.22	105.42	102.38	114.48	107.16	118.35	104.58	106.73	99.78
2011	104.32	111.99	111.97	106.57	100.28	117.60	125.92	102.29	106.02	100.32
2012	98.84	100.94	101.35	94.23	93.54	106.14	101.03	98.24	100.65	103.10
2013	97.57	94.53	93.76	102.48	108.09	89.98	95.93	97.57	100.49	100.84
2014	99.44	104.80	100.18	114.83	107.43	104.77	93.37	99.49	101.52	99.46
2015	91.15	98.34	98.96	96.99	98.81	98.55	63.27	93.09	96.95	98.36
2016	97.02	106.77	110.61	100.44	98.34	105.76	87.10	97.48	100.13	99.73
2017	100.90	95.68	91.95	98.11	103.22	101.77	122.24	100.20	99.79	98.25
2018	103.63	92.42	92.03	99.96	108.70	102.88	126.96	102.85	100.08	100.85

Source: See Table 10-1.

10-3b. Group Link Indices of Wholesale Prices (Continued)

Period										
	Tabacco	Textile Products	Wearing Apparel & Clothing Accessories	Leather, Fur & Related Products	Wood & Bamboo Products	Pulp, Paper, Paper Products & Printed Matter	Petroleum & Coal Products	Chemical Products & Medical Goods	Rubber & Plastic Products	Non-metallic Mineral Products
1985	100.00	93.70	101.52	94.60	93.81	94.94	98.73	96.03	99.38	98.11
1990	100.00	101.18	102.95	104.90	105.20	97.94	107.39	94.04	99.97	99.62
1995	100.46	108.22	106.84	107.38	104.03	119.27	105.48	120.97	109.35	99.83
1996	101.56	98.28	104.74	101.16	102.81	89.48	102.52	88.89	100.13	102.37
1997	102.48	105.06	104.44	105.91	104.93	98.55	108.29	98.09	103.16	97.21
1998	100.82	101.32	112.43	108.60	101.34	98.36	93.02	96.75	103.51	106.05
1999	100.00	93.73	96.98	95.05	101.49	99.80	99.49	95.76	97.08	94.24
2000	100.00	102.10	97.76	99.68	97.25	106.37	132.78	113.14	97.28	96.14
2001	100.00	100.15	101.72	109.58	104.48	90.76	100.49	96.39	99.69	99.42
2002	131.48	98.62	96.84	97.07	100.93	99.12	99.89	100.97	101.11	99.21
2003	100.68	101.96	98.31	101.10	102.24	103.25	111.50	110.10	101.81	101.64
2004	101.83	102.15	97.16	102.06	104.96	103.02	113.69	118.56	104.14	111.13
2005	99.34	99.33	96.64	100.11	98.16	97.94	116.26	104.25	100.70	100.22
2006	108.83	101.45	100.42	102.99	103.31	101.48	118.87	106.77	102.57	102.81
2007	102.94	103.84	100.30	105.13	105.54	106.09	112.20	108.69	103.45	105.63
2008	99.56	102.22	96.72	99.65	103.79	109.33	120.76	104.56	106.43	107.11
2009	108.77	100.76	103.33	99.49	97.14	91.91	74.68	86.29	102.43	99.12
2010	105.53	105.77	97.66	105.59	107.59	113.19	118.25	115.06	101.36	95.34
2011	103.09	110.18	103.38	101.95	100.72	99.74	118.57	109.91	102.96	97.12
2012	108.11	98.02	105.27	103.59	100.51	95.24	105.24	94.61	100.07	97.81
2013	102.94	99.28	100.91	104.09	104.71	98.42	98.43	98.25	97.14	91.54
2014	105.80	100.24	102.99	108.10	103.40	100.22	96.32	98.17	98.89	98.15
2015	102.27	98.89	105.17	98.77	100.12	100.37	65.47	84.74	99.01	94.43
2016	102.72	98.20	98.71	100.31	98.03	98.81	83.82	95.28	100.43	100.83
2017	112.43	97.51	95.12	99.16	96.76	102.05	114.40	105.41	97.24	94.44
2018	107.87	101.72	99.67	99.46	102.99	104.44	121.58	106.75	101.56	100.54

10-3c. Group Link Indices of Wholesale Prices (Continued)

Period	Basic Metals	Fabricated Metal Products	Electronic Parts & Components	Computer, Electronic & Optical Products	Electrical Equipment	Machinery and Equipment	Transport Equipment and Parts	Furniture and Fixtures	Miscellaneous Products	Water Supply, Electricity & Gas
1985	96.38	99.13	99.26	...	...	100.21	100.19	99.20	99.79	98.31
1990	94.15	99.87	100.72	...	...	102.57	100.65	104.42	101.22	99.97
1995	112.91	105.99	99.99	99.64	105.70	104.85	103.64	106.56	107.93	100.67
1996	93.39	100.85	98.99	99.06	97.77	96.22	98.98	100.95	105.03	100.01
1997	101.84	99.90	96.15	96.18	99.17	98.28	99.06	103.07	103.81	101.21
1998	99.21	104.69	94.22	97.16	102.50	109.39	104.42	111.72	109.28	100.41
1999	91.28	93.69	86.74	86.70	93.19	99.07	99.91	95.94	94.88	98.95
2000	104.70	101.74	99.50	92.49	96.59	97.49	99.88	96.41	98.01	102.08
2001	95.70	101.54	93.25	98.62	101.32	100.63	99.53	104.48	102.30	100.13
2002	107.37	102.51	92.80	96.00	98.70	99.03	98.78	101.36	99.78	99.60
2003	117.65	106.88	91.25	94.69	99.11	101.44	101.53	101.30	98.99	100.98
2004	135.74	116.24	96.70	91.93	103.67	100.77	100.52	104.20	101.10	100.82
2005	104.06	102.08	89.77	89.57	102.13	97.38	97.94	101.12	98.66	101.13
2006	120.19	102.91	97.13	95.57	114.87	100.32	99.48	101.33	102.90	104.87
2007	121.87	110.46	95.63	96.10	105.22	101.65	101.29	101.78	101.73	104.53
2008	110.50	107.60	88.66	91.04	101.42	103.99	102.60	104.98	98.34	108.55
2009	73.01	89.53	98.84	99.68	96.34	106.06	104.28	101.98	102.68	108.89
2010	120.84	104.62	95.40	92.60	105.31	98.79	99.63	98.21	99.73	103.13
2011	104.58	101.43	92.77	94.17	102.19	101.25	101.40	101.04	102.63	100.83
2012	90.24	96.18	99.80	100.06	98.87	101.26	101.13	102.12	101.98	106.74
2013	92.88	98.44	98.69	95.98	97.81	95.20	99.15	100.14	103.81	107.00
2014	99.78	101.56	101.28	94.97	99.82	99.71	100.31	102.41	102.13	105.93
2015	85.89	97.60	100.14	95.93	98.82	98.99	100.00	103.85	101.30	87.99
2016	94.66	98.31	98.70	96.75	99.39	102.22	100.66	99.55	100.24	88.14
2017	112.60	101.41	96.16	96.09	98.58	95.54	97.38	97.13	96.98	99.35
2018	107.10	102.43	99.12	95.89	100.95	100.77	100.39	101.54	101.77	103.35

10-4. Consumer Price Indices

Base: 2016=100

Period	General Index	Food	Clothing	Housing	Transportation & Communications	Medicines & Medical Care	Education & Entertainment	Miscellaneous
1981	57.07	42.76	90.99	64.14	88.59	49.07	40.66	60.84
1985	59.44	43.22	94.40	67.78	90.24	52.95	47.28	61.61
1990	66.25	49.91	92.14	75.30	87.76	57.41	59.36	64.84
1995	79.67	62.52	93.08	92.17	94.97	65.89	80.74	74.30
1996	82.12	64.91	95.36	94.09	96.08	67.01	86.65	75.32
1997	82.87	64.45	96.36	95.13	97.14	68.59	89.79	76.24
1998	84.26	67.29	91.04	96.18	96.19	69.21	92.70	77.43
1999	84.41	66.81	89.99	96.26	95.47	71.83	94.64	78.32
2000	85.47	67.07	90.47	96.65	98.54	74.78	97.49	79.05
2001	85.46	66.46	88.92	96.14	99.63	75.71	99.56	79.24
2002	85.29	66.35	89.40	95.00	97.43	76.70	99.67	82.75
2003	85.05	66.30	90.46	94.08	98.05	79.16	98.37	82.33
2004	86.42	69.10	93.31	93.88	100.13	80.70	98.49	83.21
2005	88.42	74.11	93.18	94.26	101.45	84.34	98.26	83.00
2006	88.95	73.63	89.84	95.09	103.22	87.46	98.43	86.12
2007	90.55	75.73	92.32	96.02	105.07	91.28	99.03	87.55
2008	93.74	82.21	93.24	97.50	107.55	93.45	100.33	88.86
2009	92.92	81.84	92.58	97.17	103.25	94.00	98.54	90.97
2010	93.82	82.35	94.14	97.62	106.21	94.59	98.49	93.36
2011	95.15	84.21	96.84	98.46	107.73	96.49	99.00	94.54
2012	96.99	87.72	99.28	99.60	108.21	97.21	99.68	96.57
2013	97.76	88.82	99.09	100.51	108.69	98.21	100.01	97.07
2014	98.93	92.15	100.36	101.39	107.39	98.85	99.94	98.36
2015	98.63	95.03	99.80	100.24	101.13	99.14	99.91	98.63
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	100.62	99.63	99.76	100.86	101.81	101.71	100.29	101.90
2018	101.98	100.62	100.05	101.78	104.12	102.78	100.52	106.73

Source: See Table 10-1.

10-5. Consumer Price Link Indices

Period	General Index	Food	Clothing	Housing	Transportation & Communications	Medicines & Medical Care	Education & Entertainment	Miscellaneous
1985	99.83	97.96	99.44	100.28	100.76	103.38	104.26	99.69
1990	104.12	103.55	100.16	105.64	102.45	103.16	107.67	102.51
1995	103.66	104.30	103.68	103.50	102.37	101.59	104.93	103.15
1996	103.08	103.82	102.45	102.08	101.17	101.70	107.32	101.37
1997	100.91	99.29	101.05	101.11	101.10	102.36	103.62	101.22
1998	101.68	104.41	94.48	101.10	99.02	100.90	103.24	101.56
1999	100.18	99.29	98.85	100.08	99.25	103.79	102.09	101.15
2000	101.26	100.39	100.53	100.41	103.22	104.11	103.01	100.93
2001	99.99	99.09	98.29	99.47	101.11	101.24	102.12	100.24
2002	99.80	99.83	100.54	98.81	97.79	101.31	100.11	104.43
2003	99.72	99.92	101.19	99.03	100.64	103.21	98.70	99.49
2004	101.61	104.22	103.15	99.79	102.12	101.95	100.12	101.07
2005	102.31	107.25	99.86	100.40	101.32	104.51	99.77	99.75
2006	100.60	99.35	96.42	100.88	101.74	103.70	100.17	103.76
2007	101.80	102.85	102.76	100.98	101.79	104.37	100.61	101.66
2008	103.52	108.56	101.00	101.54	102.36	102.38	101.31	101.50
2009	99.13	99.55	99.29	99.66	96.00	100.59	98.22	102.37
2010	100.97	100.62	101.69	100.46	102.87	100.63	99.95	102.63
2011	101.42	102.26	102.87	100.86	101.43	102.01	100.52	101.26
2012	101.93	104.17	102.52	101.16	100.45	100.75	100.69	102.15
2013	100.79	101.25	99.81	100.91	100.44	101.03	100.33	100.52
2014	101.20	103.75	101.28	100.88	98.80	100.65	99.93	101.33
2015	99.70	103.13	99.44	98.87	94.17	100.29	99.97	100.27
2016	101.39	105.23	100.20	99.76	98.88	100.87	100.09	101.39
2017	100.62	99.63	99.76	100.86	101.81	101.71	100.29	101.90
2018	101.35	100.99	100.29	100.91	102.27	101.05	100.23	104.74

Source: See Table 10-1.

10-6a. Import Price Indices

Base: 2016=100

Period	General Index	Animal Products	Vegetable Products	Prepared Foodstuffs, Beverages, Spirits & Tobacco	Mineral Products	Products of The Chemical or Allied Industries	Plastics, Rubber & Articles Thereof	Leather & Articles Thereof	Wood & Articles of Wood
1981	106.24	51.47	73.89	50.83	...	83.66	72.02	43.80	49.47
1985	100.04	54.42	62.68	44.28	...	80.24	72.72	49.72	49.31
1990	77.32	45.42	50.08	38.77	...	68.71	60.58	49.93	43.96
1995	84.75	45.74	54.48	43.75	...	83.89	72.36	50.54	56.35
1996	82.64	44.71	66.18	48.82	...	75.57	71.52	49.61	58.85
1997	81.49	47.11	58.95	51.35	...	74.25	69.99	54.44	61.63
1998	82.09	49.73	59.36	60.13	34.83	72.94	71.13	58.47	63.12
1999	78.73	45.61	50.93	56.60	39.81	69.81	65.72	55.25	66.03
2000	82.36	46.70	48.56	53.81	53.98	81.63	68.53	57.75	64.43
2001	81.33	49.71	51.93	57.92	53.02	77.49	67.24	68.56	68.48
2002	81.66	49.40	55.40	61.22	55.65	78.90	67.42	66.46	69.08
2003	85.86	52.93	64.37	61.05	63.55	87.55	72.68	70.42	72.77
2004	93.21	57.69	75.41	62.87	80.16	99.71	82.79	73.09	79.51
2005	95.48	58.57	65.32	64.35	103.07	99.53	93.33	70.59	79.29
2006	103.89	66.16	67.78	71.50	123.75	106.38	95.22	73.65	82.06
2007	113.19	81.82	96.78	73.44	139.63	115.54	101.35	80.97	88.94
2008	123.19	76.90	124.38	74.06	186.58	121.04	109.99	78.16	90.17
2009	111.37	70.94	99.49	78.91	138.43	108.55	110.57	80.29	84.70
2010	119.21	81.86	106.70	85.98	165.16	117.75	120.99	90.61	93.38
2011	128.33	93.43	123.60	89.06	209.19	128.06	125.68	90.53	93.55
2012	126.69	91.09	124.88	92.16	211.89	124.11	118.77	92.07	93.04
2013	121.05	98.66	120.82	92.92	202.16	120.55	110.07	97.31	98.36
2014	118.52	102.68	117.34	96.91	189.87	118.46	106.89	110.65	102.55
2015	103.18	96.04	105.18	97.92	117.23	104.64	101.39	103.27	102.50
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	101.36	104.62	94.44	97.96	121.96	101.42	99.01	99.24	97.39
2018	107.57	105.97	94.56	96.95	154.41	103.83	102.85	96.98	102.06

Source: See Table 10-1.

10-6b. Import Price Indices (Continued)

Period	Woodpulp, Paper & Articles Thereof	Textiles & Textile Articles	Stone Materials, Glass & Glassware	Basic Metals & Articles Thereof	Machinery, Electrical Equipment, TV Image & Sound Recorders, Etc	Transportation Equipment	Optical, Measuring, Medical Instruments, Musical Instruments & Parts Thereof	Miscellaneous Manufactured Articles
1981	...	92.38	...	53.98	...	62.88	...	...
1985	...	83.52	...	49.07	...	64.26	...	...
1990	...	74.83	...	50.02	...	60.48	...	...
1995	...	78.67	...	52.27	...	80.85	...	...
1996	...	72.69	...	49.01	...	75.17	...	...
1997	...	74.59	...	51.12	...	71.70	...	...
1998	78.08	79.91	194.16	52.92	157.75	76.07	122.54	91.17
1999	75.83	73.31	178.06	47.57	147.74	80.12	120.96	89.66
2000	84.91	72.02	171.44	49.80	140.30	84.60	119.32	86.42
2001	79.24	75.07	183.86	49.87	136.47	84.81	113.05	88.52
2002	78.57	77.18	148.74	51.88	131.50	81.76	113.92	89.23
2003	82.60	81.18	139.74	60.41	128.80	84.28	114.74	91.74
2004	89.64	81.01	158.57	80.84	125.34	86.77	112.66	91.24
2005	88.15	78.14	138.99	85.31	116.57	83.13	103.64	89.87
2006	93.03	79.17	134.71	114.14	114.05	81.53	101.71	90.33
2007	104.41	83.50	136.84	142.21	112.46	83.14	101.94	87.95
2008	108.88	83.86	145.59	150.33	106.69	88.47	100.22	94.42
2009	98.55	85.94	157.64	110.70	112.85	98.05	104.71	101.56
2010	113.71	95.92	159.29	135.26	107.78	100.03	102.89	99.53
2011	111.27	116.74	150.78	141.03	104.60	102.97	100.15	98.42
2012	101.88	103.57	138.07	127.23	105.88	104.18	100.83	100.06
2013	100.18	98.99	111.00	117.90	101.23	102.24	98.35	95.85
2014	102.40	99.62	103.01	118.46	100.00	102.33	99.35	95.56
2015	101.74	101.09	92.25	105.25	99.05	98.85	97.47	98.39
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	99.06	96.39	91.30	107.38	94.65	95.00	95.15	95.50
2018	108.60	98.25	90.00	113.23	94.60	96.39	95.21	97.02

10-7a. Import Price Link Indices

Period	General Index	Animal Products	Vegetable Products	Prepared Foodstuffs, Beverages, Spirits & Tobacco	Mineral Products	Products of The Chemical or Allied Industries	Plastics, Rubber & Articles Thereof	Leather & Articles Thereof	Wood & Articles of Wood
1982	98.88	105.63	87.24	92.13	...	97.53	101.90	97.90	104.65
1985	98.51	99.42	95.04	89.64	...	99.32	100.12	100.04	94.70
1990	102.36	99.21	95.90	105.38	...	94.89	99.18	103.50	102.30
1995	110.15	109.24	109.57	106.71	...	122.09	118.72	111.37	99.52
1996	97.51	97.75	121.48	111.59	...	90.08	98.84	98.16	104.44
1997	98.61	105.37	89.08	105.18	...	98.25	97.86	109.74	104.72
1998	100.74	105.56	100.70	117.10	...	98.24	101.63	107.40	102.42
1999	95.91	91.72	85.80	94.13	114.30	95.71	92.39	94.49	104.61
2000	104.61	102.39	95.35	95.07	135.59	116.93	104.28	104.52	97.58
2001	98.75	106.45	106.94	107.64	98.22	94.93	98.12	118.72	106.29
2002	100.41	99.38	106.68	105.70	104.96	101.82	100.27	96.94	100.88
2003	105.14	107.15	116.19	99.72	114.20	110.96	107.80	105.96	105.34
2004	108.56	108.99	117.15	102.98	126.14	113.89	113.91	103.79	109.26
2005	102.44	101.53	86.62	102.35	128.58	99.82	112.73	96.58	99.72
2006	108.81	112.96	103.77	111.11	120.06	106.88	102.03	104.33	103.49
2007	108.95	123.67	142.79	102.71	112.83	108.61	106.44	109.94	108.38
2008	108.83	93.99	128.52	100.84	133.62	104.76	108.52	96.53	101.38
2009	90.41	92.25	79.99	106.55	74.19	89.68	100.53	102.73	93.93
2010	107.04	115.39	107.25	108.96	119.31	108.48	109.42	112.85	110.25
2011	107.65	114.13	115.84	103.58	126.66	108.76	103.88	99.91	100.18
2012	98.72	97.50	101.04	103.48	101.29	96.92	94.50	101.70	99.45
2013	95.55	108.31	96.75	100.82	95.41	97.13	92.67	105.69	105.72
2014	97.91	104.07	97.12	104.29	93.92	98.27	97.11	113.71	104.26
2015	87.06	93.53	89.64	101.04	61.74	88.33	94.85	93.33	99.95
2016	96.92	104.12	95.08	102.12	85.30	95.57	98.63	96.83	97.56
2017	101.36	104.62	94.44	97.96	121.96	101.42	99.01	99.24	97.39
2018	106.13	101.29	100.13	98.97	126.61	102.38	103.88	97.72	104.80

Source: See Table 10-1.

10-7b.Import Price Link Indices (Continued)

Period	Woodpulp, Paper & Articles Thereof	Textiles & Textile Articles	Stone Materials, Glass & Glassware	Base Metals & Articles of Base Metal	Machinery, Electrical Equipment, TV Image & Sound Recorders, Etc	Transportation Equipment	Optical, Measuring, Medical Instruments, Musical Instruments & Parts Thereof	Miscellaneous Manufactured Articles
1982	...	96.56	...	90.83	...	101.36	...	...
1985	...	93.79	...	98.44	...	98.69	...	...
1990	...	101.24	...	95.32	...	107.07	...	...
1995	...	113.21	...	116.14	...	106.24	...	...
1996	...	92.40	...	93.77	...	92.97	...	...
1997	...	102.61	...	104.32	...	95.38	...	...
1998	...	107.13	...	103.50	...	106.09	...	...
1999	97.12	91.74	91.71	89.89	93.65	105.32	98.71	98.34
2000	111.97	98.24	96.28	104.69	94.96	105.59	98.64	96.39
2001	93.32	104.23	107.24	100.14	97.27	100.25	94.75	102.43
2002	99.15	102.81	80.90	104.03	96.36	96.40	100.77	100.80
2003	105.13	105.18	93.95	116.44	97.95	103.08	100.72	102.81
2004	108.52	99.79	113.48	133.82	97.31	102.95	98.19	99.45
2005	98.34	96.46	87.65	105.53	93.00	95.81	91.99	98.50
2006	105.54	101.32	96.92	133.79	97.84	98.08	98.14	100.51
2007	112.23	105.47	101.58	124.59	98.61	101.97	100.23	97.37
2008	104.28	100.43	106.39	105.71	94.87	106.41	98.31	107.36
2009	90.51	102.48	108.28	73.64	105.77	110.83	104.48	107.56
2010	115.38	111.61	101.05	122.19	95.51	102.02	98.26	98.00
2011	97.85	121.71	94.66	104.27	97.05	102.94	97.34	98.88
2012	91.56	88.72	91.57	90.21	101.22	101.18	100.68	101.67
2013	98.33	95.58	80.39	92.67	95.61	98.14	97.54	95.79
2014	102.22	100.64	92.80	100.47	98.78	100.09	101.02	99.70
2015	99.36	101.48	89.55	88.85	99.05	96.60	98.11	102.96
2016	98.29	98.92	108.40	95.01	100.96	101.16	102.60	101.64
2017	99.06	96.39	91.30	107.38	94.65	95.00	95.15	95.50
2018	109.63	101.93	98.58	105.45	99.95	101.46	100.06	101.59

10-8. Export Price Indices

Base: 2016=100

Period	General Index	Animal Products	Prepared Food-stuffs Beverages Spirits & Tobacco	Mineral Products	Products of The Chemical or Allied Industries	Plastics, Rubber & Articles Thereof	Wood pulp, Paper & Articles Thereof	Textiles & Textile Articles	Stone Materials Glass & Glass-ware	Basic Metals & Articles Thereof	Machinery Electrical Equipment TV Image & Sound Recorders, Etc	Transportation Equipment	Optical, Measuring, Medical Instruments, Musical Instruments & Parts	Miscellaneous Manufactured Articles
1981	128.23	-	-	-	101.36	76.91	-	69.55	-	76.92	-	67.71	-	-
1985	128.49	-	-	-	92.05	77.23	-	72.29	-	76.25	-	75.94	-	-
1990	109.46	-	-	-	69.74	66.27	-	64.34	-	67.21	-	84.62	-	-
1995	117.75	-	-	-	70.10	76.14	-	75.13	-	69.30	-	85.47	-	-
1996	119.72	-	-	-	72.58	71.07	-	76.11	-	70.55	-	86.60	-	-
1997	122.17	-	-	-	74.96	73.79	-	81.13	-	72.34	-	88.42	-	-
1998	128.98	71.04	68.94	36.05	81.45	80.16	82.73	87.99	162.35	78.76	207.56	99.87	166.93	94.72
1999	117.98	81.93	68.05	44.48	79.10	75.38	83.76	82.36	135.92	71.48	179.99	97.06	153.80	89.57
2000	116.95	64.45	51.52	69.53	85.15	77.89	86.93	82.08	136.45	72.22	175.09	92.88	146.53	86.16
2001	117.32	56.85	47.59	64.11	87.12	78.28	81.63	84.35	133.29	73.62	172.85	92.36	151.88	89.22
2002	115.57	57.98	49.01	67.41	86.05	78.16	86.58	83.77	116.44	75.40	166.21	91.39	148.27	88.74
2003	113.84	62.22	49.99	76.56	91.22	83.08	88.05	85.25	112.36	83.15	153.48	93.15	152.05	87.99
2004	115.68	70.65	53.83	87.50	104.25	94.09	89.20	85.66	130.41	99.35	144.79	90.57	154.21	87.79
2005	112.83	66.36	61.92	115.29	104.22	96.41	86.68	84.48	119.39	103.65	133.95	86.76	138.15	87.23
2006	115.65	69.40	64.00	138.34	109.84	100.73	87.62	85.95	111.77	112.99	132.78	86.16	132.59	88.63
2007	119.76	67.73	71.76	158.07	122.72	107.57	92.69	89.92	117.34	129.15	129.05	89.84	131.17	89.47
2008	117.20	80.75	78.38	204.29	123.40	114.19	102.48	90.89	115.56	133.38	117.75	90.17	117.02	90.09
2009	109.47	77.49	90.05	135.68	108.61	102.46	91.30	93.99	109.69	110.74	117.13	95.05	111.15	93.86
2010	111.68	86.38	87.90	161.47	126.66	113.28	109.09	100.02	124.22	123.25	111.22	92.67	108.03	90.24
2011	111.78	106.94	85.82	203.32	137.01	120.79	106.03	107.14	122.12	124.37	103.57	93.68	100.89	89.58
2012	109.97	114.76	90.43	211.26	126.16	116.85	99.97	103.73	114.34	114.73	103.47	94.89	100.47	91.78
2013	107.70	93.23	93.25	203.30	126.70	114.56	98.35	102.18	102.28	110.40	102.01	94.65	99.33	91.99
2014	107.81	97.21	97.45	191.11	124.94	113.85	99.80	102.77	99.99	112.08	102.41	95.86	100.95	93.94
2015	102.78	93.05	100.08	121.83	104.64	103.18	101.15	101.69	97.92	104.73	101.59	98.73	104.00	98.73
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	98.54	101.44	93.87	115.98	102.41	105.52	101.46	96.64	95.32	103.63	96.13	95.90	95.01	95.29
2018	99.97	107.20	95.04	145.55	110.05	111.05	106.06	99.07	95.18	108.60	94.33	95.75	92.62	95.72

Source: See Table 10-1.

10-9. Export Price Link Indices

Period	General Index	Animal Products	Prepared Food-stuffs, Beverages, Spirits & Tobacco	Mineral Products	Products of The Chemical or Allied Industries	Plastics, Rubber & Articles Thereof	Wood pulp, Paper & Articles Thereof	Textiles & Textile Articles	Stone Materials, Glass & Glassware	Basic Metals & Articles Thereof	Machinery Electrical Equipment TV Image & Sound Recorders, Etc	Transportation Equipment	Optical, Measuring, Medical Instruments, Musical Instruments & Parts	Miscellaneous Manufactured Articles
1982	129.57	...	...	...	95.97	78.01	...	99.19	...	100.64	...	105.95	...	...
1985	128.49	...	...	...	100.21	77.23	...	99.55	...	101.40	...	101.76	...	...
1990	109.46	...	...	...	100.90	66.27	...	101.79	...	100.63	...	105.67	...	...
1995	117.75	...	...	...	104.97	76.14	...	111.02	...	106.70	...	102.26	...	...
1996	119.72	...	...	...	103.54	71.07	...	101.30	...	101.80	...	101.32	...	...
1997	122.17	...	...	...	103.28	73.79	...	106.60	...	102.54	...	102.10	...	...
1998	105.57	...	...	...	108.66	108.63	...	108.46	...	108.87	...	112.95	...	...
1999	91.47	115.33	98.71	123.38	97.11	94.04	101.25	93.60	83.72	90.76	86.72	97.19	92.13	94.56
2000	99.13	78.66	75.71	156.32	107.65	103.33	103.78	99.66	100.39	101.04	97.28	95.69	95.27	96.19
2001	100.32	88.21	92.37	92.20	102.31	100.50	93.90	102.77	97.68	101.94	98.72	99.44	103.65	103.55
2002	98.51	101.99	102.98	105.15	98.77	99.85	106.06	99.31	87.36	102.42	96.16	98.95	97.62	99.46
2003	98.50	107.31	102.00	113.57	106.01	106.29	101.70	101.77	96.50	110.28	92.34	101.93	102.55	99.15
2004	101.62	113.55	107.68	114.29	114.28	113.25	101.31	100.48	116.06	119.48	94.34	97.23	101.42	99.77
2005	97.54	93.93	115.03	131.76	99.97	102.47	97.17	98.62	91.55	104.33	92.51	95.79	89.59	99.36
2006	102.50	104.58	103.36	119.99	105.39	104.48	101.08	101.74	93.62	109.01	99.13	99.31	95.98	101.60
2007	103.55	97.59	112.13	114.26	111.73	106.79	105.79	104.62	104.98	114.30	97.19	104.27	98.93	100.95
2008	97.86	119.22	109.23	129.24	100.55	106.15	110.56	101.08	98.48	103.28	91.24	100.37	89.21	100.69
2009	93.40	95.96	114.89	66.42	88.01	89.73	89.09	103.41	94.92	83.03	99.47	105.41	94.98	104.18
2010	102.02	111.47	97.61	119.01	116.62	110.56	119.49	106.42	113.25	111.30	94.95	97.50	97.19	96.14
2011	100.09	123.80	97.63	125.92	108.17	106.63	97.19	107.12	98.31	100.91	93.12	101.09	93.39	99.27
2012	98.38	107.31	105.37	103.91	92.08	96.74	94.28	96.82	93.63	92.25	99.90	101.29	99.58	102.46
2013	97.94	81.24	103.12	96.23	100.43	98.04	98.38	98.51	89.45	96.23	98.59	99.75	98.87	100.23
2014	100.10	104.27	104.50	94.00	98.61	99.38	101.47	100.58	97.76	101.52	100.39	101.28	101.63	102.12
2015	95.33	95.72	102.70	63.75	83.75	90.63	101.35	98.95	97.93	93.44	99.20	102.99	103.02	105.10
2016	97.30	107.47	99.92	82.08	95.57	96.92	98.86	98.34	102.12	95.48	98.43	101.29	96.15	101.29
2017	98.54	101.44	93.87	115.98	102.41	105.52	101.46	96.64	95.32	103.63	96.13	95.90	95.01	95.29
2018	101.45	105.68	101.25	125.50	107.46	105.24	104.53	102.51	99.85	104.80	98.13	99.84	97.48	100.45

Source: See Table 10-1.

10-10. Indices of Prices Received and Paid in Agricultural Production

Base: 2016=100

Period	Received (1)			Paid		
	General Index	Crops	Livestock Products	General Index	Crops	Livestock Products
1997	...	...	...	66.01	76.80	58.71
1998	...	...	...	67.26	77.72	60.22
1999	...	...	...	69.27	78.31	63.03
2000	...	...	...	67.25	78.28	59.87
2001	...	...	...	67.17	78.08	59.87
2002	...	...	...	66.94	78.10	59.50
2003	...	...	...	69.93	77.75	64.73
2004	...	...	...	77.13	79.94	75.72
2005	...	...	...	76.18	81.69	72.77
2006	...	...	...	75.83	82.27	71.69
2007	...	...	...	82.25	84.63	81.24
2008	83.36	78.44	90.78	96.45	94.66	98.64
2009	79.35	72.45	89.33	90.68	92.35	90.43
2010	80.06	72.66	90.70	92.63	91.58	94.28
2011	82.25	73.62	94.54	98.70	93.01	103.62
2012	87.13	85.29	90.41	99.66	95.67	103.41
2013	85.23	82.08	90.71	102.14	97.88	105.99
2014	90.65	83.48	103.12	102.48	99.71	104.97
2015	92.37	87.94	100.08	100.58	100.04	101.07
2016	100.00	100.00	100.00	100.00	100.00	100.00
2017	95.78	93.13	100.39	100.51	101.48	99.62
2018	87.83	79.91	101.22	101.56	103.31	99.95

(1)Due to the change of classification, the 2016-base IPR can only be traced back to the year 2008.

Source: The Council of Agriculture, R.O.C.online database.<http://agrstat.coa.gov.tw/sdweb/public/inquiry/InquireAdvance.aspx>, retrieved May 2019.

10-11. Link Indices of Prices Received and Paid by Farmers

Period	Received			Paid		
	General Index	Crops	Livestock Products	General Index	Production Cost	Living Cost
1997	...	...	...	93.02	101.07	88.03
1998	...	...	...	101.89	101.20	102.57
1999	...	...	...	102.99	100.76	104.67
2000	...	...	...	97.08	99.96	94.99
2001	...	...	...	99.88	99.74	100.00
2002	...	...	...	99.66	100.03	99.38
2003	...	...	...	104.47	99.55	108.79
2004	...	...	...	110.30	102.82	116.98
2005	...	...	...	98.77	102.19	96.10
2006	...	...	...	99.54	100.71	98.52
2007	...	...	...	108.47	102.87	113.32
2008	...	...	...	117.26	111.85	121.42
2009	95.19	92.36	98.40	94.02	97.56	91.68
2010	100.89	100.29	101.53	102.15	99.17	104.26
2011	102.74	101.32	104.23	106.55	101.56	109.91
2012	105.93	115.85	95.63	100.97	102.86	99.80
2013	97.82	96.24	100.33	102.49	102.31	102.49
2014	106.36	101.71	113.68	100.33	101.87	99.04
2015	101.90	105.34	97.05	98.15	100.33	96.28
2016	108.26	113.71	99.92	99.42	99.96	98.94
2017	95.78	93.13	100.39	100.51	101.48	99.62
2018	91.70	85.80	100.83	101.04	101.80	100.33

Source: See Table 10-10.

11. EXTERNAL TRADE

11-1a. Balance of Payments

Unit: US\$ million

	2003	2004	2005	2006	2007	2008	2009	2010
A. Current Account	28,250	17,249	14,926	23,137	32,013	24,801	40,650	36,832
Goods: Exports	160,798	192,668	206,356	234,756	258,394	269,621	215,469	289,382
Goods: Imports	126,695	167,794	181,847	203,326	219,943	240,470	176,098	252,368
<i>Balance on Goods</i>	34,103	24,874	24,509	31,430	38,451	29,151	39,371	37,014
Services: Credit	13,056	15,948	18,137	18,780	22,031	23,340	20,504	26,663
Services: Debt	25,638	30,732	32,457	32,719	34,818	34,870	29,604	37,711
<i>Balance on Goods and Services</i>	21,521	10,090	10,189	17,491	25,664	17,621	30,271	25,966
Primary Income: Credit	12,878	15,337	17,356	19,338	23,500	23,277	20,351	23,265
Primary Income: Debt	3,430	4,353	8,355	9,757	13,368	13,299	7,827	9,689
<i>Balance on Goods, Services, and Primary income</i>	30,969	21,074	19,190	27,072	35,796	27,599	42,795	39,542
Secondary Income: Credit	2,673	3,170	3,463	3,837	4,690	5,519	4,945	5,278
Secondary Income: Debt	5,392	6,995	7,727	7,772	8,473	8,317	7,090	7,988
B. Capital Account (1)	-18	-2	-46	-63	-25	-270	-50	-49
Capital Account: Credit	1	6	1	4	3	3	2	5
Capital Account: Debit	19	8	47	67	28	273	52	54
<i>Balance on Current and Capital Account</i>	28,232	17,247	14,880	23,074	31,988	24,531	40,600	36,783
C. Financial Account	-7,735	-7,317	-2,340	19,601	38,932	1,641	-13,488	339
Direct Investment: Assets	5,682	7,145	6,028	7,399	11,107	10,287	5,877	11,574
Equity and Investment Fund Shares	5,635	7,102	5,971	6,863	11,157	10,320	5,901	11,634
Debt Instruments	47	43	57	536	-50	-33	-24	-60
Direct investment: Liabilities	453	1,898	1,625	7,424	7,769	5,432	2,805	2,492
Equity and Investment Fund Shares	395	1,943	1,493	7,034	6,738	4,874	3,685	2,779
Debt Instruments	58	-45	132	390	1,031	558	-880	-287
Portfolio Investment: Assets	34,763	21,823	33,902	40,779	44,966	-3,527	31,699	33,487
Equity and Investment Fund Shares	9,850	8,167	12,464	18,467	35,697	4,573	21,197	12,274
Debt Securities	24,913	13,656	21,438	22,312	9,269	-8,100	10,502	21,213

(1) Excludes components that have been classified in the categories of Group E.

Note: Numbers with a positive sign refer to proceeds or payments in the cases of the current account and the capital account, to an increase in financial assets or liabilities. Numbers with a negative sign denote a decrease in the aforesaid items.

Source: The Central Bank of China, R.O.C. (Taiwan), *Financial Statistics Monthly, Republic of China (Taiwan)*, May 2019.

11-1b. Balance of Payments (Continued)

Unit: US\$ million

	2003	2004	2005	2006	2007	2008	2009	2010
Portfolio Investment: Liabilities	29,566	17,154	31,045	21,814	4,904	-15,777	21,372	12,823
Equity and Investment Fund Shares	25,197	14,092	34,826	22,662	5,599	-15,418	19,427	9,986
Debt securities	4,369	3,062	-3,781	-848	-695	-359	1,945	2,837
Financial Derivatives And Employee Stock Options	108	695	965	965	289	-1,589	-852	-577
Assets	-632	-1,036	-947	-1,930	-3,691	-7,938	-5,344	-4,497
Liabilities	-740	-1,731	-1,912	-2,895	-3,980	-6,349	-4,492	-3,920
Other Investment: Assets	-3,939	-408	6,254	1,266	6,847	-10,621	-25,663	-12,317
Central bank	0	0	0	0	0	0	0	0
Deposit-taking corporations, except the central bank	1,994	6,754	9,421	5,525	10,158	16,726	-707	-1,212
General government	-33	-32	0	4	-11	-7	2	-13
Other sectors	-5,900	-7,130	-3,167	-4,263	-3,300	-27,340	-24,958	-11,092
Other investment: liabilities	14,330	17,520	16,819	1,570	11,604	3,254	372	16,513
Central bank	0	898	9,250	-3,311	-7,300	-3,116	0	0
Deposit-taking corporations, except the central bank	11,391	13,957	5,343	1,996	16,119	-49	-9,757	15,099
General government	-5	0	0	0	0	0	0	0
Other sectors	2,944	2,665	2,226	2,885	2,785	6,419	10,129	1,414
<i>Balance on Current, Capital, and Financial Account</i>	35,967	24,564	17,220	3,473	-6,944	22,890	54,088	36,444
D. Net Errors And Omissions	1,125	2,032	2,836	2,613	2,924	3,384	38	3,729
E. Reserves and Related Items	37,092	26,596	20,056	6,086	-4,020	26,274	54,126	40,173
Reserve Assets	37,092	26,596	20,056	6,086	-4,020	26,274	54,126	40,173
Net Credit and Loans from the IMF	0	0	0	0	0	0	0	0
Total Exceptional Financing	0	0	0	0	0	0	0	0

11-1c. Balance of Payments (Continued)

Unit: US\$ million

	2011	2012	2013	2014	2015	2016	2017	2018
A. Current Account	37,878	43,168	49,872	60,525	73,143	71,594	83,521	71,873
Goods: Exports	325,762	388,344	382,096	378,961	336,880	309,965	349,835	352,229
Goods: Imports	286,120	338,773	327,539	318,771	263,785	239,318	268,966	284,796
<i>Balance on Goods</i>	39,642	49,571	54,557	60,190	73,095	70,647	80,869	67,433
Services: Credit	30,643	34,546	36,461	41,578	41,311	41,870	45,922	50,926
Services: Debt	41,895	52,927	51,663	52,907	51,652	51,704	53,847	56,902
<i>Balance on Goods and Services</i>	28,390	31,190	39,355	48,861	62,754	60,813	72,944	61,457
Primary Income: Credit	24,833	25,022	24,609	29,211	28,886	29,469	34,230	39,081
Primary Income: Debit	11,654	10,429	11,089	14,754	15,114	15,524	19,544	25,299
<i>Balance on Goods, Services, and Primary income</i>	41,569	45,783	52,875	63,318	76,526	74,758	87,630	75,239
Secondary Income: Credit	5,566	5,509	6,179	6,661	6,603	6,915	7,217	7,651
Secondary Income: Debit	9,257	8,124	9,182	9,454	9,986	10,079	11,326	11,017
B. Capital Account (1)	-36	-24	67	-8	-5	-9	-12	63
Capital Account: Credit	3	4	103	29	15	17	14	86
Capital Account: Debit	39	28	36	37	20	26	26	23
<i>Balance on Current and Capital Account</i>	37,842	43,144	49,939	60,517	73,138	71,585	83,509	71,936
C. Financial Account	32,027	31,501	41,089	50,556	65,233	58,565	71,529	55,234
Direct Investment: Assets	12,766	13,137	14,285	12,711	14,709	17,946	11,552	18,025
Equity and Investment Fund Shares	12,669	13,153	14,282	12,690	13,649	16,913	10,736	17,398
Debt Instruments	97	-16	3	21	1,060	1,033	816	627
Direct investment: Liabilities	-1,957	3,207	3,598	2,828	2,391	9,261	3,291	6,998
Equity and Investment Fund Shares	-2,012	3,341	3,643	2,933	2,478	7,342	4,781	7,195
Debt Instruments	55	-134	-45	-105	-87	1,919	-1,490	-197
Portfolio Investment: Assets	19,503	45,710	37,082	57,096	56,340	81,463	81,817	68,801
Equity and Investment Fund Shares	2,078	16,933	6,095	20,328	6,922	6,445	14,998	6,297
Debt Securities	17,425	28,777	30,987	36,768	49,418	75,018	66,819	62,504

11-1d. Balance of Payments (Continued)

Unit: US\$ million

	2011	2012	2013	2014	2015	2016	2017	2018
Portfolio Investment: Liabilities	-16,188	3,214	7,953	13,055	1,228	4,343	3,958	-15,175
Equity and Investment Fund Shares	-14,924	2,908	9,591	13,792	3,744	7,025	4,284	-14,385
Debt securities	-1,264	306	-1,638	-737	-2,516	-2,682	-326	-790
Financial Derivatives And Employee Stock Options	-1,038	-391	-838	-546	2,195	1,700	-503	1,638
Assets	-5,777	-4,771	-6,055	-5,977	-11,227	-11,166	-11,505	-16,748
Liabilities	-4,739	-4,380	-5,217	-5,431	-13,422	-12,866	-11,002	-18,386
Other Investment: Assets	7,988	-5,312	47,505	11,964	-16,305	-6,820	12,233	-19,214
Central bank	0	0	0	0	0	0	0	0
Deposit-taking corporations, except the central bank	25,352	4,967	61,069	36,125	-3,232	6,761	8,496	-10,121
General government	13	-3	1	-8	9	6	-6	9
Other sectors	-17,377	-10,276	-13,565	-24,153	-13,082	-13,587	3,743	-9,102
Other investment: liabilities	25,337	15,222	45,394	14,786	-11,913	22,120	26,321	22,193
Central bank	0	0	0	0	0	0	0	0
Deposit-taking corporations, except the central bank	22,334	10,575	41,391	9,638	-15,385	12,881	19,149	11,097
General government	0	0	2	2	2	5	-6	5
Other sectors	3,003	4,647	4,001	5,146	3,470	9,234	7,178	11,091
<i>Balance on Current, Capital, and Financial Account</i>	5,815	11,643	8,850	9,961	7,905	13,020	11,980	16,702
D. Net Errors And Omissions	424	3,841	2,468	3,054	7,106	-2,357	487	-4,203
E. Reserves and Related Items	6,239	15,484	11,318	13,015	15,011	10,663	12,467	12,499
Reserve Assets	6,239	15,484	11,318	13,015	15,011	10,663	12,467	12,499
Net Credit and Loans from the IMF	0	0	0	0	0	0	0	0
Total Exceptional Financing	0	0	0	0	0	0	0	0

11-2a. Indices of Foreign Trade

Period	Value Index		Quantum Index		Unit Value Index		Net Terms of Trade	Income Terms of Trade
	Exports	Imports	Exports	Imports	Exports	Imports		
I. Reference Year: 2016								
1994	29.06	31.27	50.66	45.39	57.35	68.90	83.23	42.17
1995	34.89	37.94	52.90	49.74	65.96	76.27	86.48	45.75
1996	37.58	38.93	55.00	50.32	68.32	77.38	88.30	48.56
1997	41.18	45.30	59.05	58.49	69.75	77.44	90.06	53.18
1998	43.69	48.45	59.78	60.95	73.09	79.50	91.94	54.96
1999	46.35	49.46	61.95	62.61	74.81	79.00	94.70	58.67
2000	54.61	60.42	66.85	68.90	81.69	87.68	93.17	62.28
2001	48.96	50.05	56.92	61.42	86.01	81.48	105.56	60.09
2002	53.33	53.85	61.96	66.30	86.07	81.21	105.97	65.66
2003	58.58	60.62	63.50	70.83	92.27	85.58	107.81	68.45
2004	68.82	77.82	67.95	81.89	101.27	95.03	106.57	72.42
2005	71.98	80.83	72.63	83.81	99.10	96.44	102.75	74.63
2006	81.94	90.84	79.20	86.06	103.46	105.55	98.02	77.63
2007	91.04	99.20	85.36	88.30	106.66	112.34	94.95	81.04
2008	90.17	103.87	82.47	84.05	109.34	123.56	88.49	72.98
2009	75.52	79.19	74.90	75.54	100.82	104.82	96.18	72.04
2010	97.44	109.25	91.96	95.06	105.96	114.93	92.20	84.79
2011	101.78	113.89	91.61	90.93	111.10	125.25	88.70	81.26
2012	100.40	110.53	91.58	88.79	109.63	124.49	88.06	80.65
2013	102.24	110.96	95.51	92.87	107.04	119.48	89.59	85.57
2014	107.19	114.75	99.70	97.76	107.51	117.38	91.59	91.32
2015	100.09	101.15	98.05	100.34	102.08	100.81	101.26	99.29
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	106.92	106.29	107.72	105.02	99.26	101.21	98.07	105.64
2018	112.10	116.21	111.09	107.27	100.90	108.34	93.13	103.47

Note:(1) From Jan. 2016, the Compilation of Customs Trade Statistics adopts the United Nations' International Merchandise Trade Statistics (IMTS) Compilers Manual, 2010. Under IMTS Criteria, all figures are compiled according to the general trade system.

(2) The index has been adapted to chain-linking method.

Source: The Ministry of Finance, R.O.C. Online database of Ministry of Finance, R.O.C., retrieved June 2019.

11-2b. Indices of Foreign Trade (Continued)

Period	Value Index		Quantum Index		Unit Value Index		Net Terms of Trade	Income Terms of Trade
	Exports	Imports	Exports	Imports	Exports	Imports		
II. Change from previous year (%)								
1994	9.74	11.12	5.72	0.75	3.78	10.28	-5.90	-0.52
1995	20.06	21.33	4.42	9.58	15.01	10.70	3.90	8.49
1996	7.71	2.61	3.97	1.17	3.58	1.46	2.10	6.14
1997	9.58	16.36	7.36	16.24	2.09	0.08	1.99	9.51
1998	6.10	6.95	1.24	4.21	4.79	2.66	2.09	3.35
1999	6.09	2.08	3.63	2.72	2.35	-0.63	3.00	6.75
2000	17.82	22.16	7.91	10.05	9.20	10.99	-1.62	6.15
2001	-10.35	-17.16	-14.85	-10.86	5.29	-7.07	13.30	-3.52
2002	8.93	7.59	8.85	7.95	0.07	-0.33	0.39	9.27
2003	9.84	12.57	2.49	6.83	7.20	5.38	1.74	4.25
2004	17.48	28.37	7.01	15.61	9.75	11.04	-1.15	5.80
2005	4.59	3.87	6.89	2.34	-2.14	1.48	-3.58	3.05
2006	13.84	12.38	9.05	2.68	4.40	9.45	-4.60	4.02
2007	11.11	9.20	7.78	2.60	3.09	6.43	-3.13	4.39
2008	-0.96	4.71	-3.39	-4.81	2.51	9.99	-6.80	-9.95
2009	-16.25	-23.76	-9.18	-10.12	-7.79	-15.17	8.69	-1.29
2010	29.03	37.96	22.78	25.84	5.10	9.65	-4.14	17.70
2011	4.45	4.25	-0.38	-4.34	4.85	8.98	-3.80	-4.16
2012	-1.36	-2.95	-0.03	-2.35	-1.32	-0.61	-0.72	-0.75
2013	1.83	0.39	4.29	4.60	-2.36	-4.02	1.74	6.10
2014	4.84	3.42	4.39	5.27	0.44	-1.76	2.23	6.72
2015	-6.62	-11.85	-1.65	2.64	-5.05	-14.12	10.56	8.73
2016	-0.09	-1.14	1.99	-0.34	-2.04	-0.80	-1.24	0.72
2017	6.92	6.29	7.72	5.02	-0.74	1.21	-1.93	5.64
2018	4.84	9.33	3.13	2.14	1.65	7.04	-5.04	-2.05

11-3. Export and Import Foreign Exchange Proceeds & Payments

Unit: US\$ million

Period	Foreign Exchange Export Proceeds			Foreign Exchange Import Payments		
	Sold for N.T. Dollars	Retained with Exporters	Total	Purchased with N.T. Dollars	Non-purchased from Banks	Total
1990	49,483	18,961	68,444	44,451	12,806	57,257
1995	54,808	65,125	119,933	59,634	45,031	104,665
1996	49,747	73,762	123,509	54,638	51,279	105,917
1997	44,773	83,380	128,153	52,970	60,257	113,227
1998	31,251	91,708	122,959	47,267	65,935	113,202
1999	34,399	103,815	138,214	44,949	74,379	119,328
2000	35,572	125,558	161,130	49,859	98,587	148,446
2001	25,371	111,861	137,232	38,316	80,595	118,911
2002	24,668	117,820	142,488	36,373	85,838	122,211
2003	24,418	138,736	163,154	39,236	106,090	145,326
2004	27,268	176,786	204,054	47,620	145,683	193,303
2005	26,832	185,450	212,282	48,079	162,494	210,573
2006	26,200	196,725	222,924	47,735	170,425	218,160
2007	27,374	225,654	253,028	49,821	183,784	233,605
2008	27,067	250,036	277,103	55,016	215,444	270,460
2009	19,122	195,251	214,374	38,744	152,132	190,876
2010	22,771	256,836	279,607	48,141	209,972	258,113
2011	26,299	290,156	316,455	54,102	240,730	294,832
2012	23,557	280,088	303,645	51,801	236,407	288,208
2013	22,053	291,299	313,352	47,675	235,905	283,580
2014	23,461	302,451	325,912	49,136	237,436	286,572
2015	19,245	262,080	281,325	42,468	170,586	213,054
2016	16,477	239,661	256,138	40,209	155,073	195,282
2017	16,141	265,481	281,622	44,180	172,478	216,658
2018	17,783	287,110	304,893	47,036	193,502	240,538

Source: See Table 11-1a.

11-4. Foreign Trade (Customs Statistics)(1)(2)

Period	Value (NT\$ million)				Value (US\$ million)			
	Total	Exports	Imports	Balance	Total	Exports	Imports	Balance
2001	7,964,018	4,270,700	3,693,318	577,382	236,200	126,612	109,588	17,024
2002	8,670,440	4,692,990	3,977,450	715,540	250,890	135,774	115,116	20,659
2003	9,686,721	5,206,099	4,480,623	725,476	281,593	151,345	130,249	21,096
2004	11,890,747	6,148,896	5,741,852	407,044	355,197	183,643	171,554	12,089
2005	12,385,931	6,427,175	5,958,755	468,420	385,199	199,761	185,438	14,323
2006	14,067,899	7,351,935	6,715,964	635,972	432,346	225,904	206,442	19,462
2007	15,497,420	8,169,680	7,327,740	841,940	471,907	248,792	223,115	25,677
2008	15,764,285	8,099,233	7,665,053	434,180	502,518	258,051	244,467	13,585
2009	12,639,969	6,784,756	5,855,213	929,543	383,260	205,663	177,598	28,065
2010	16,868,144	8,777,894	8,090,249	687,645	534,282	278,008	256,274	21,734
2011	17,654,919	9,194,198	8,460,721	733,478	600,985	312,923	288,062	24,861
2012	17,280,886	9,069,839	8,211,047	858,792	583,733	306,409	277,324	29,085
2013	17,478,564	9,235,715	8,242,848	992,867	589,438	311,428	278,010	33,418
2014	18,208,362	9,683,403	8,524,959	1,158,444	601,942	320,092	281,850	38,242
2015	16,556,704	9,042,128	7,514,576	1,527,553	522,563	285,344	237,219	48,124
2016	16,462,546	9,033,549	7,428,996	1,604,553	510,889	280,321	230,568	49,753
2017	17,555,133	9,658,687	7,896,446	1,762,242	576,515	317,249	259,266	57,983
2018	18,759,906	10,126,334	8,633,572	1,492,762	622,241	335,909	286,333	49,576

Note : (1) Merchandise exports are given at f.o.b. prices and merchandise imports at c.i.f. prices in this table and the following tables in this section.

(2) From Jan. 2016, the Compilation of Customs Trade Statistics adopts the United Nations' International Merchandise Trade Statistics (IMTS) Compilers Manual, 2010. Under IMTS Criteria, all figures are compiled according to the general trade system.

Source: See Table 11-2a.

11-5. Exports and Imports Per Capita

Period	Value (NT\$)			Value (US\$)		
	Total	Exports	Imports	Total	Exports	Imports
2001	356,474	191,159	165,315	10,572	5,667	4,905
2002	385,985	208,919	177,065	11,169	6,044	5,125
2003	429,325	230,740	198,586	12,481	6,708	5,773
2004	525,051	271,512	253,539	15,684	8,109	7,575
2005	544,921	282,765	262,157	16,947	8,789	8,158
2006	616,379	322,122	294,257	18,943	9,898	9,045
2007	676,228	356,483	319,745	20,592	10,856	9,736
2008	685,472	352,176	333,297	21,851	11,221	10,630
2009	547,697	293,987	253,710	16,607	8,911	7,695
2010	728,931	379,323	349,608	23,088	12,014	11,074
2011	761,201	396,412	364,788	25,912	13,492	12,420
2012	742,613	389,759	352,854	25,085	13,167	11,917
2013	748,718	395,624	353,093	25,249	13,340	11,909
2014	778,014	413,756	364,258	25,720	13,677	12,043
2015	705,654	385,380	320,275	22,272	12,161	10,110
2016	700,059	384,146	315,913	21,725	11,920	9,805
2017	745,266	410,039	335,227	24,475	13,468	11,007
2018	795,583	429,444	366,138	26,388	14,245	12,143

Source: See Table 11-2a.

11-6a. Standard and Characteristic Classification of Exported Commodities
(By Intensity of Input Factor)

Unit:%

Period	Total	Degree of Labor Intensity			Degree of Capital Intensity			Degree of Technical Intensity			Degree of Energy Intensity		
		High	Mid	Low	High	Mid	Low	High	Mid	Low	High	Mid	Low
2001	100.0	30.5	43.1	26.4	36.8	56.8	6.4	55.9	29.8	14.3	20.7	47.9	31.4
2002	100.0	31.2	42.6	26.2	40.0	54.2	5.8	57.1	29.8	13.1	21.1	46.4	32.5
2003	100.0	32.0	43.4	24.6	45.3	49.3	5.4	57.7	30.7	11.6	22.3	45.8	31.9
2004	100.0	32.4	43.5	24.1	50.9	44.4	4.6	58.3	31.4	10.3	23.8	45.5	30.6
2005	100.0	32.3	43.1	24.7	55.2	40.5	4.2	57.8	33.0	9.2	26.1	44.7	29.1
2006	100.0	31.9	43.9	24.3	59.5	36.6	3.9	59.6	32.0	8.3	25.8	46.9	27.4
2007	100.0	32.3	41.6	26.2	61.9	34.4	3.7	59.0	33.3	7.8	28.2	44.7	27.2
2008	100.0	32.3	39.9	27.8	62.3	34.0	3.7	57.2	35.5	7.2	30.3	42.7	27.1
2009	100.0	30.7	43.7	25.6	61.5	34.7	3.8	59.5	33.3	7.2	28.4	45.8	25.8
2010	100.0	31.6	43.4	25.0	62.0	34.5	3.5	60.8	32.6	6.6	27.6	45.0	27.5
2011	100.0	30.1	43.7	26.3	60.4	36.0	3.6	59.1	34.3	6.5	28.7	44.8	26.5
2012	100.0	30.2	43.2	26.6	61.0	35.2	3.9	57.7	35.4	6.9	29.2	45.7	25.1
2013	100.0	29.2	44.1	26.8	62.5	33.7	3.8	58.7	34.5	6.8	29.4	45.9	24.8
2014	100.0	29.7	45.7	24.6	62.2	33.9	3.9	59.4	33.5	7.1	27.8	48.3	23.9
2015	100.0	31.8	49.0	19.2	58.8	36.9	4.3	60.4	31.9	7.7	23.9	51.9	24.2
2016	100.0	30.3	51.9	17.8	59.5	36.5	4.0	62.2	30.5	7.3	22.7	54.8	22.5
2017	100.0	28.3	53.7	18.0	60.8	35.5	3.7	63.0	30.0	7.0	22.7	55.8	21.5
2018	100.0	27.6	53.0	19.5	61.0	35.3	3.7	62.4	30.5	7.0	24.2	55.6	20.3

Source: See Table 11-2a.

11-6b. Standard and Characteristic Classification of Imported Commodities (Continued)

(By Intensity of Input Factor)

Unit: %

Period	Total	Degree of Labor Intensity			Degree of Capital Intensity			Degree of Technical Intensity			Degree of Energy Intensity		
		High	Mid	Low	High	Mid	Low	High	Mid	Low	High	Mid	Low
2001	100.0	36.8	51.9	11.3	36.9	59.3	3.8	60.2	26.1	13.7	28.3	42.7	28.9
2002	100.0	34.9	53.4	11.7	37.8	58.3	3.9	60.9	25.6	13.6	28.8	44.2	27.0
2003	100.0	35.9	52.1	12.0	40.7	55.7	3.6	59.1	27.6	13.3	31.3	43.3	25.4
2004	100.0	37.4	49.8	12.8	40.8	55.3	3.9	56.2	31.3	12.6	33.6	41.4	25.0
2005	100.0	36.1	49.5	14.4	42.8	53.2	4.0	55.2	32.4	12.3	36.0	41.3	22.8
2006	100.0	34.1	49.9	16.0	44.5	51.0	4.5	54.7	33.5	11.8	37.8	42.8	19.4
2007	100.0	33.4	48.5	18.1	45.1	50.2	4.7	53.6	34.6	11.9	40.2	41.7	18.2
2008	100.0	30.2	45.1	24.7	47.9	47.3	4.9	50.5	37.6	11.9	46.9	38.5	14.6
2009	100.0	33.1	49.0	18.0	44.5	50.7	4.7	54.3	33.7	12.1	40.4	42.4	17.2
2010	100.0	34.3	47.6	18.1	44.6	51.2	4.2	53.5	35.0	11.5	40.7	41.0	18.3
2011	100.0	32.2	46.7	21.1	45.5	50.0	4.4	53.3	34.9	11.8	43.6	39.8	16.7
2012	100.0	31.2	48.5	20.3	43.6	51.8	4.6	54.7	33.9	11.5	45.1	38.5	16.4
2013	100.0	30.6	48.8	20.5	44.3	50.7	5.1	54.6	34.2	11.2	44.5	38.7	16.7
2014	100.0	32.2	48.9	19.0	43.8	50.4	5.8	54.8	34.1	11.2	42.5	40.0	17.6
2015	100.0	36.4	47.5	16.1	43.6	49.4	7.0	52.2	35.9	11.9	34.6	45.9	19.5
2016	100.0	35.1	49.8	15.2	44.6	49.0	6.4	52.9	35.7	11.4	31.9	49.4	18.8
2017	100.0	33.8	50.8	15.5	45.6	48.4	6.0	54.8	33.4	11.8	33.7	48.2	18.1
2018	100.0	32.5	51.6	15.9	46.1	48.2	5.6	56.6	32.1	11.4	35.7	47.4	16.9

11-7. Composition of Exports

Period	Value (US\$ million)					Percentage Distribution (%)				
	Total	Capital Goods	Intermediate Products	Consumer Goods	Others	Total	Capital Goods	Intermediate Products	Consumer Goods	Others
2001	126,612.2	20,564.8	81,799.0	23,982.6	265.9	100.0	16.2	64.6	18.9	0.2
2002	135,774.4	22,895.4	89,587.0	22,913.7	378.4	100.0	16.9	66.0	16.9	0.3
2003	151,344.9	23,753.1	104,133.7	23,016.3	441.7	100.0	15.7	68.8	15.2	0.3
2004	183,642.5	26,485.2	133,416.3	23,238.7	502.4	100.0	14.4	72.6	12.7	0.3
2005	199,760.9	27,317.7	149,297.4	22,069.1	1,076.7	100.0	13.7	74.7	11.0	0.5
2006	225,904.2	26,845.8	174,361.5	23,660.3	1,036.6	100.0	11.9	77.2	10.5	0.5
2007	248,792.0	28,473.1	195,512.4	23,803.6	1,003.0	100.0	11.4	78.6	9.6	0.4
2008	258,051.4	29,017.2	203,673.7	24,237.3	1,123.3	100.0	11.2	78.9	9.4	0.4
2009	205,662.5	21,769.5	161,906.3	20,914.9	1,071.8	100.0	10.6	78.7	10.2	0.5
2010	278,008.2	29,958.9	217,386.6	29,444.0	1,218.6	100.0	10.8	78.2	10.6	0.4
2011	312,922.9	34,373.8	240,758.3	36,513.7	1,277.2	100.0	11.0	76.9	11.7	0.4
2012	306,409.2	34,843.5	238,077.3	32,189.2	1,299.2	100.0	11.4	77.7	10.5	0.4
2013	311,428.0	33,210.9	244,493.9	32,078.7	1,644.5	100.0	10.7	78.5	10.3	0.5
2014	320,092.1	34,896.6	251,858.9	31,635.2	1,701.3	100.0	10.9	78.7	9.9	0.5
2015	285,343.6	34,246.5	220,782.0	28,544.1	1,771.0	100.0	12.0	77.4	10.0	0.6
2016	280,321.4	34,842.9	217,336.4	26,412.6	1,729.5	100.0	12.4	77.5	9.4	0.6
2017	317,249.1	39,600.4	248,138.0	27,669.8	1,840.8	100.0	12.5	78.2	8.7	0.6
2018	335,908.6	42,136.9	263,473.7	28,460.5	1,837.5	100.0	12.5	78.4	8.5	0.5

Source: See Table 11-2a.

11-8. Composition of Imports

Period	Value (US\$ million)					Percentage Distribution (%)				
	Total	Capital Goods	Agricultural & Industrial Raw Materials	Consumer Goods	Others	Total	Capital Goods	Agricultural & Industrial Raw Materials	Consumer Goods	Others
2001	109,587.9	25,380.5	71,924.1	10,790.3	1,493.0	100.0	23.2	65.6	9.8	1.4
2002	115,115.8	24,497.0	77,840.6	10,983.7	1,794.6	100.0	21.3	67.6	9.5	1.6
2003	130,248.5	24,494.4	92,139.1	12,181.6	1,433.5	100.0	18.8	70.7	9.4	1.1
2004	171,554.0	34,609.1	121,123.1	14,326.7	1,495.2	100.0	20.2	70.6	8.4	0.9
2005	185,437.6	33,482.4	133,610.7	16,633.1	1,711.4	100.0	18.1	72.1	9.0	0.9
2006	206,442.3	33,346.6	154,626.9	17,064.1	1,404.7	100.0	16.2	74.9	8.3	0.7
2007	223,115.4	34,345.7	168,985.6	18,350.1	1,433.9	100.0	15.4	75.7	8.2	0.6
2008	244,466.7	31,192.8	192,583.6	19,150.6	1,539.7	100.0	12.8	78.8	7.8	0.6
2009	177,597.8	23,707.7	134,189.3	18,046.6	1,654.2	100.0	13.3	75.6	10.2	0.9
2010	256,274.0	39,140.1	191,828.1	23,185.1	2,120.8	100.0	15.3	74.9	9.0	0.8
2011	288,062.2	37,497.6	220,673.4	27,479.1	2,412.3	100.0	13.0	76.6	9.5	0.8
2012	277,323.8	34,913.9	212,031.4	28,218.2	2,160.3	100.0	12.6	76.5	10.2	0.8
2013	278,009.7	36,742.4	208,395.2	29,712.5	3,159.7	100.0	13.2	75.0	10.7	1.1
2014	281,849.7	38,479.4	207,797.1	31,469.0	4,104.1	100.0	13.7	73.7	11.2	1.5
2015	237,219.1	38,053.6	162,614.9	32,002.0	4,548.6	100.0	16.0	68.6	13.5	1.9
2016	230,568.1	42,659.7	153,095.6	31,524.8	3,288.0	100.0	18.5	66.4	13.7	1.4
2017	259,266.4	42,476.2	179,072.6	34,015.3	3,702.3	100.0	16.4	69.1	13.1	1.4
2018	286,332.9	43,315.1	203,458.4	36,063.3	3,496.1	100.0	15.1	71.1	12.6	1.2

Source: See Table 11-2a.

11-9a. Commodity Trade with Major Trading Partners

Period	Total			U.S.A.			Hong Kong			Japan		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
I. Amount (US\$ million)												
2001	126,612	109,588	+ 17,024	28,128	19,091	+ 9,037	28,789	1,863	+ 26,926	13,033	26,105	- 13,072
2002	135,774	115,116	+ 20,659	27,375	19,024	+ 8,351	33,049	1,753	+ 31,296	12,395	27,610	- 15,215
2003	151,345	130,249	+ 21,096	26,577	17,795	+ 8,783	30,982	1,740	+ 29,242	12,479	33,102	- 20,623
2004	183,643	171,554	+ 12,089	28,815	22,619	+ 6,196	33,068	2,110	+ 30,959	13,953	44,324	- 30,370
2005	199,761	185,438	+ 14,323	29,165	21,886	+ 7,279	34,220	1,901	+ 32,319	15,249	46,685	- 31,436
2006	225,904	206,442	+ 19,462	32,475	23,839	+ 8,635	37,669	1,695	+ 35,974	16,509	46,849	- 30,340
2007	248,792	223,115	+ 25,677	32,165	27,642	+ 4,523	38,274	1,635	+ 36,639	16,167	46,710	- 30,543
2008	258,051	244,467	+ 13,585	30,981	27,593	+ 3,388	33,055	1,353	+ 31,702	17,857	47,088	- 29,231
2009	205,663	177,598	+ 28,065	23,707	19,201	+ 4,506	29,797	1,048	+ 28,749	14,632	36,751	- 22,120
2010	278,008	256,274	+ 21,734	31,675	26,799	+ 4,876	38,270	1,567	+ 36,704	18,645	52,910	- 34,266
2011	312,923	288,062	+ 24,861	36,558	27,767	+ 8,791	40,726	1,586	+ 39,141	19,242	53,149	- 33,906
2012	306,409	277,324	+ 29,085	33,224	25,701	+ 7,523	38,495	2,585	+ 35,910	19,624	48,342	- 28,718
2013	311,428	278,010	+ 33,418	32,630	28,410	+ 4,220	41,183	1,585	+ 39,598	19,391	43,690	- 24,299
2014	320,092	281,850	+ 38,242	35,114	30,036	+ 5,078	43,795	1,735	+ 42,060	20,142	41,984	- 21,842
2015	285,344	237,219	+ 48,124	34,543	29,196	+ 5,347	39,130	1,468	+ 37,663	19,592	38,865	- 19,273
2016	280,321	230,568	+ 49,753	33,523	28,597	+ 4,926	38,398	1,331	+ 37,067	19,551	40,622	- 21,071
2017	317,249	259,266	+ 57,983	36,942	30,237	+ 6,705	41,232	1,512	+ 39,720	20,782	41,943	- 21,161
2018	335,909	286,333	+ 49,576	39,693	34,716	+ 4,978	41,590	1,409	+ 40,181	23,082	44,136	- 21,054

Note: Due to the rounding of figures to the nearest whole number, some of the balances in this table may not precisely correspond to the difference between the figures for imports and exports.

Source: See Table 11-2a.

11-9b. Commodity Trade with Major Trading Partners (Continued)

Period	Singapore			Germany			Thailand			Netherlands		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
I. Amount (US\$ million)												
2001	4,236	3,386	+ 850	4,531	4,309	+ 222	2,210	2,199	+ 11	4,256	1,533	+ 2,722
2002	4,648	3,566	+ 1,082	3,884	4,500	- 616	2,384	2,194	+ 191	3,837	1,448	+ 2,389
2003	5,318	3,891	+ 1,427	4,284	5,068	- 784	2,659	2,396	+ 263	4,221	1,306	+ 2,916
2004	6,813	4,330	+ 2,483	4,612	5,975	- 1,363	3,364	2,812	+ 552	4,810	2,198	+ 2,612
2005	8,107	4,982	+ 3,124	4,470	6,304	- 1,834	3,872	2,916	+ 956	4,399	2,056	+ 2,343
2006	9,379	5,119	+ 4,259	5,022	6,299	- 1,277	4,633	3,355	+ 1,278	4,419	2,334	+ 2,085
2007	10,613	4,778	+ 5,835	5,195	7,208	- 2,013	5,262	3,630	+ 1,633	4,426	2,769	+ 1,657
2008	11,783	4,860	+ 6,923	5,759	7,738	- 1,980	4,975	3,262	+ 1,713	4,588	2,348	+ 2,240
2009	8,699	4,814	+ 3,884	4,727	5,745	- 1,018	3,873	2,701	+ 1,172	4,246	1,868	+ 2,378
2010	12,198	7,675	+ 4,523	6,551	8,603	- 2,053	5,355	3,840	+ 1,515	5,305	3,255	+ 2,049
2011	16,980	8,022	+ 8,957	6,940	9,884	- 2,944	6,230	4,405	+ 1,825	4,645	2,963	+ 1,682
2012	20,206	8,172	+ 12,034	5,697	8,122	- 2,425	6,665	3,709	+ 2,956	4,438	3,616	+ 822
2013	19,609	8,606	+ 11,003	5,671	8,497	- 2,826	6,432	3,793	+ 2,639	4,498	4,669	- 171
2014	20,702	8,436	+ 12,267	6,222	9,634	- 3,412	6,195	4,410	+ 1,784	5,090	3,192	+ 1,898
2015	17,407	7,171	+ 10,236	6,007	8,764	- 2,757	5,770	4,043	+ 1,727	4,183	2,808	+ 1,376
2016	16,152	7,518	+ 8,634	5,929	8,573	- 2,645	5,491	3,818	+ 1,672	4,469	4,145	+ 324
2017	17,625	8,716	+ 8,909	6,453	9,200	- 2,747	6,382	4,359	+ 2,023	4,978	3,476	+ 1,502
2018	17,364	8,412	+ 8,952	7,059	9,965	- 2,906	6,168	4,581	+ 1,587	5,884	3,883	+ 2,001

11-9c. Commodity Trade with Major Trading Partners (Continued)

Period	Malaysia			United Kingdom			Korea, Rep. of			Australia		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
I. Amount (US\$ million)												
2001	3,141	4,237	- 1,096	3,372	1,481	+ 1,891	3,379	6,763	- 3,384	1,378	3,092	- 1,715
2002	3,224	4,181	- 957	2,983	1,401	+ 1,582	3,978	7,785	- 3,807	1,605	2,840	- 1,235
2003	3,187	4,789	- 1,602	2,930	1,468	+ 1,461	4,741	8,795	- 4,054	1,905	2,736	- 830
2004	4,245	5,467	- 1,222	3,427	1,792	+ 1,635	5,689	11,769	- 6,080	2,292	3,434	- 1,142
2005	4,310	5,258	- 948	3,260	1,757	+ 1,504	5,945	13,357	- 7,412	2,410	4,735	- 2,325
2006	4,979	6,118	- 1,139	3,509	1,857	+ 1,651	7,253	15,095	- 7,842	2,747	5,364	- 2,617
2007	5,421	6,321	- 900	3,622	1,995	+ 1,627	7,939	15,165	- 7,226	3,301	6,164	- 2,863
2008	5,548	6,917	- 1,368	3,638	1,941	+ 1,697	8,815	13,190	- 4,375	3,633	8,350	- 4,717
2009	4,082	4,701	- 618	3,022	1,291	+ 1,731	7,445	10,558	- 3,113	2,430	6,008	- 3,578
2010	5,975	7,861	- 1,887	3,670	1,808	+ 1,862	10,902	16,224	- 5,321	3,237	9,036	- 5,800
2011	6,924	8,793	- 1,869	4,646	2,118	+ 2,528	12,630	18,186	- 5,556	3,744	10,991	- 7,248
2012	6,600	7,981	- 1,381	5,076	2,069	+ 3,007	12,137	15,305	- 3,167	3,756	9,462	- 5,706
2013	8,243	8,255	- 11	4,330	1,923	+ 2,407	12,223	16,163	- 3,939	3,834	8,106	- 4,272
2014	8,671	8,961	- 290	4,247	1,983	+ 2,264	12,988	15,289	- 2,301	3,696	7,586	- 3,890
2015	7,197	6,733	+ 464	3,905	1,992	+ 1,913	12,879	13,450	- 571	3,440	6,858	- 3,418
2016	7,815	6,281	+ 1,533	3,643	1,844	+ 1,799	12,788	14,650	- 1,862	3,087	6,089	- 3,003
2017	10,369	7,182	+ 3,187	3,786	1,945	+ 1,841	14,733	16,894	- 2,161	3,102	8,219	- 5,117
2018	10,602	9,245	+ 1,357	3,858	2,075	+ 1,783	15,981	19,530	- 3,549	3,595	9,556	- 5,961

11-9d. Commodity Trade with Major Trading Partners (Continued)

Period	Canada			Indonesia			Philippines			France		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
I. Amount (US\$ million)												
2001	1,577	1,010	+ 567	1,486	2,534	- 1,048	2,219	3,266	- 1,047	1,184	2,183	- 1,000
2002	1,541	958	+ 584	1,480	2,601	- 1,120	2,118	3,671	- 1,553	1,141	1,609	- 468
2003	1,482	1,090	+ 392	1,536	2,938	- 1,402	2,517	3,106	- 589	1,273	1,693	- 420
2004	1,650	1,212	+ 438	1,914	4,136	- 2,222	4,063	3,093	+ 970	1,594	2,167	- 573
2005	1,689	1,330	+ 359	2,378	4,565	- 2,188	4,351	2,826	+ 1,526	1,457	2,609	- 1,153
2006	1,769	1,380	+ 390	2,526	5,245	- 2,719	4,516	2,815	+ 1,702	1,572	2,365	- 794
2007	1,850	1,700	+ 150	2,944	5,802	- 2,857	4,958	2,288	+ 2,670	1,713	2,531	- 819
2008	1,851	1,792	+ 59	3,595	7,313	- 3,718	4,821	2,252	+ 2,568	1,739	2,442	- 703
2009	1,458	1,147	+ 311	3,246	5,198	- 1,951	4,457	1,603	+ 2,854	1,377	1,920	- 543
2010	1,941	1,532	+ 409	4,540	6,055	- 1,515	6,057	2,335	+ 3,722	1,707	2,506	- 799
2011	2,571	2,034	+ 537	4,904	7,453	- 2,549	7,077	2,411	+ 4,666	1,756	3,060	- 1,304
2012	2,506	1,715	+ 791	5,245	7,350	- 2,105	8,969	2,172	+ 6,797	1,573	3,286	- 1,713
2013	2,411	1,594	+ 816	5,203	7,173	- 1,970	9,821	2,321	+ 7,500	1,502	2,959	- 1,457
2014	2,453	1,607	+ 847	3,878	7,402	- 3,524	9,637	2,297	+ 7,340	1,551	3,095	- 1,544
2015	2,361	1,402	+ 959	3,106	5,968	- 2,861	7,514	2,095	+ 5,419	1,388	2,951	- 1,563
2016	2,041	1,220	+ 821	2,747	4,300	- 1,554	8,660	2,204	+ 6,456	1,542	3,055	- 1,512
2017	2,204	1,633	+ 571	3,193	4,899	- 1,705	9,593	2,378	+ 7,215	1,707	3,993	- 2,286
2018	2,538	1,959	+ 579	3,331	5,500	- 2,170	8,942	2,493	+ 6,450	1,667	3,715	- 2,049

11-9e. Commodity Trade with Major Trading Partners (Continued)

Period	Saudi Arabia			Brazil			Mainland China			Others		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
I. Amount (US\$ million)												
2001	348	2,750	- 2,402	574	446	+ 127	5,021	5,970	- 950	17,751	17,368	+ 383
2002	339	2,410	- 2,072	475	586	- 112	10,690	8,041	+ 2,649	18,628	18,936	- 309
2003	364	4,283	- 3,919	458	919	- 461	23,210	11,096	+ 12,114	21,222	22,040	- 818
2004	433	5,568	- 5,135	718	1,338	- 620	36,723	16,891	+ 19,831	25,459	30,321	- 4,863
2005	499	7,449	- 6,951	1,019	1,221	- 202	44,056	20,162	+ 23,895	28,904	33,439	- 4,534
2006	532	9,760	- 9,227	1,288	1,069	+ 219	52,377	24,909	+ 27,468	32,732	40,975	- 8,244
2007	735	10,403	- 9,668	1,724	1,347	+ 377	62,928	28,221	+ 34,707	39,554	46,806	- 7,253
2008	997	15,202	- 14,205	2,747	2,198	+ 549	67,516	31,580	+ 35,936	44,154	57,047	- 12,893
2009	675	8,677	- 8,003	1,408	1,323	+ 85	54,843	24,554	+ 30,289	31,539	38,491	- 6,952
2010	1,003	11,863	- 10,860	1,908	2,456	- 548	77,950	36,255	+ 41,694	41,120	53,692	- 12,572
2011	1,691	13,876	- 12,185	2,366	3,027	- 661	85,244	44,095	+ 41,150	48,049	64,242	- 16,193
2012	1,851	14,799	- 12,947	1,994	3,126	- 1,132	82,666	41,431	+ 41,235	45,686	68,382	- 22,696
2013	1,814	15,636	- 13,822	1,840	2,820	- 981	84,122	43,345	+ 40,777	46,670	68,464	- 21,793
2014	2,027	13,722	- 11,695	1,676	2,354	- 678	84,738	49,254	+ 35,484	47,269	68,872	- 21,603
2015	1,696	7,327	- 5,631	1,170	2,268	- 1,098	73,410	45,266	+ 28,144	40,646	48,594	- 7,948
2016	1,225	5,796	- 4,571	954	1,951	- 996	73,879	43,991	+ 29,888	38,428	44,582	- 6,154
2017	1,092	6,865	- 5,773	1,265	2,598	- 1,333	88,981	50,043	+ 38,939	42,827	53,172	- 10,345
2018	781	8,632	- 7,851	1,345	1,642	- 297	96,756	53,783	+ 42,973	45,671	61,100	- 15,429

11-9f. Commodity Trade with Major Trading Partners (Continued)

A. Exports

Period	Total	U.S.A.	Hong Kong	Japan	Singapore	Germany	Thailand	Netherlands	Malaysia	United Kingdom
II. Percentage (%)										
2001	100.0	22.2	22.7	10.3	3.3	3.6	1.7	3.4	2.5	2.7
2002	100.0	20.2	24.3	9.1	3.4	2.9	1.8	2.8	2.4	2.2
2003	100.0	17.6	20.5	8.2	3.5	2.8	1.8	2.8	2.1	1.9
2004	100.0	15.7	18.0	7.6	3.7	2.5	1.8	2.6	2.3	1.9
2005	100.0	14.6	17.1	7.6	4.1	2.2	1.9	2.2	2.2	1.6
2006	100.0	14.4	16.7	7.3	4.2	2.2	2.1	2.0	2.2	1.6
2007	100.0	12.9	15.4	6.5	4.3	2.1	2.1	1.8	2.2	1.5
2008	100.0	12.0	12.8	6.9	4.6	2.2	1.9	1.8	2.2	1.4
2009	100.0	11.5	14.5	7.1	4.2	2.3	1.9	2.1	2.0	1.5
2010	100.0	11.4	13.8	6.7	4.4	2.4	1.9	1.9	2.1	1.3
2011	100.0	11.7	13.0	6.1	5.4	2.2	2.0	1.5	2.2	1.5
2012	100.0	10.8	12.6	6.4	6.6	1.9	2.2	1.4	2.2	1.7
2013	100.0	10.5	13.2	6.2	6.3	1.8	2.1	1.4	2.6	1.4
2014	100.0	11.0	13.7	6.3	6.5	1.9	1.9	1.6	2.7	1.3
2015	100.0	12.1	13.7	6.9	6.1	2.1	2.0	1.5	2.5	1.4
2016	100.0	12.0	13.7	7.0	5.8	2.1	2.0	1.6	2.8	1.3
2017	100.0	11.6	13.0	6.6	5.6	2.0	2.0	1.6	3.3	1.2
2018	100.0	11.8	12.4	6.9	5.2	2.1	1.8	1.8	3.2	1.1

11-9g. Commodity Trade with Major Trading Partners (Continued)

A. Exports

Period	Korea, Rep. of	Australia	Canada	Indonesia	Philippines	France	Saudi Arabia	Brazil	Mainland China	Others
II. Percentage (%)										
2001	2.7	1.1	1.2	1.2	1.8	0.9	0.3	0.5	4.0	14.0
2002	2.9	1.2	1.1	1.1	1.6	0.8	0.2	0.3	7.9	13.7
2003	3.1	1.3	1.0	1.0	1.7	0.8	0.2	0.3	15.3	14.0
2004	3.1	1.2	0.9	1.0	2.2	0.9	0.2	0.4	20.0	13.9
2005	3.0	1.2	0.8	1.2	2.2	0.7	0.2	0.5	22.1	14.5
2006	3.2	1.2	0.8	1.1	2.0	0.7	0.2	0.6	23.2	14.5
2007	3.2	1.3	0.7	1.2	2.0	0.7	0.3	0.7	25.3	15.9
2008	3.4	1.4	0.7	1.4	1.9	0.7	0.4	1.1	26.2	17.1
2009	3.6	1.2	0.7	1.6	2.2	0.7	0.3	0.7	26.7	15.3
2010	3.9	1.2	0.7	1.6	2.2	0.6	0.4	0.7	28.0	14.8
2011	4.0	1.2	0.8	1.6	2.3	0.6	0.5	0.8	27.2	15.4
2012	4.0	1.2	0.8	1.7	2.9	0.5	0.6	0.7	27.0	14.9
2013	3.9	1.2	0.8	1.7	3.2	0.5	0.6	0.6	27.0	15.0
2014	4.1	1.2	0.8	1.2	3.0	0.5	0.6	0.5	26.5	14.8
2015	4.5	1.2	0.8	1.1	2.6	0.5	0.6	0.4	25.7	14.2
2016	4.6	1.1	0.7	1.0	3.1	0.6	0.4	0.3	26.4	13.7
2017	4.6	1.0	0.7	1.0	3.0	0.5	0.3	0.4	28.0	13.5
2018	4.8	1.1	0.8	1.0	2.7	0.5	0.2	0.4	28.8	13.6

11-9h. Commodity Trade with Major Trading Partners (Continued)

B. Imports

Period	Total	Japan	U.S.A.	Germany	Korea, Rep. of	Australia	Singapore	Hong Kong	Malaysia	Saudi Arabia
II. Percentage (%)										
2001	100.0	23.8	17.4	3.9	6.2	2.8	3.1	1.7	3.9	2.5
2002	100.0	24.0	16.5	3.9	6.8	2.5	3.1	1.5	3.6	2.1
2003	100.0	25.4	13.7	3.9	6.8	2.1	3.0	1.3	3.7	3.3
2004	100.0	25.8	13.2	3.5	6.9	2.0	2.5	1.2	3.2	3.2
2005	100.0	25.2	11.8	3.4	7.2	2.6	2.7	1.0	2.8	4.0
2006	100.0	22.7	11.5	3.1	7.3	2.6	2.5	0.8	3.0	4.7
2007	100.0	20.9	12.4	3.2	6.8	2.8	2.1	0.7	2.8	4.7
2008	100.0	19.3	11.3	3.2	5.4	3.4	2.0	0.6	2.8	6.2
2009	100.0	20.7	10.8	3.2	5.9	3.4	2.7	0.6	2.6	4.9
2010	100.0	20.6	10.5	3.4	6.3	3.5	3.0	0.6	3.1	4.6
2011	100.0	18.5	9.6	3.4	6.3	3.8	2.8	0.6	3.1	4.8
2012	100.0	17.4	9.3	2.9	5.5	3.4	2.9	0.9	2.9	5.3
2013	100.0	15.7	10.2	3.1	5.8	2.9	3.1	0.6	3.0	5.6
2014	100.0	14.9	10.7	3.4	5.4	2.7	3.0	0.6	3.2	4.9
2015	100.0	16.4	12.3	3.7	5.7	2.9	3.0	0.6	2.8	3.1
2016	100.0	17.6	12.4	3.7	6.4	2.6	3.3	0.6	2.7	2.5
2017	100.0	16.2	11.7	3.5	6.5	3.2	3.4	0.6	2.8	2.6
2018	100.0	15.4	12.1	3.5	6.8	3.3	2.9	0.5	3.2	3.0

11-9i. Commodity Trade with Major Trading Partners (Continued)

B. Imports

Period	Indonesia	United Kingdom	France	Canada	Netherlands	Thailand	Brazil	Mainland China	Philippines	Others
II. Percentage (%)										
2001	2.3	1.4	2.0	0.9	1.4	2.0	0.4	5.4	3.0	15.8
2002	2.3	1.2	1.4	0.8	1.3	1.9	0.5	7.0	3.2	16.4
2003	2.3	1.1	1.3	0.8	1.0	1.8	0.7	8.5	2.4	16.9
2004	2.4	1.0	1.3	0.7	1.3	1.6	0.8	9.8	1.8	17.7
2005	2.5	0.9	1.4	0.7	1.1	1.6	0.7	10.9	1.5	18.0
2006	2.5	0.9	1.1	0.7	1.1	1.6	0.5	12.1	1.4	19.8
2007	2.6	0.9	1.1	0.8	1.2	1.6	0.6	12.6	1.0	21.0
2008	3.0	0.8	1.0	0.7	1.0	1.3	0.9	12.9	0.9	23.3
2009	2.9	0.7	1.1	0.6	1.1	1.5	0.7	13.8	0.9	21.7
2010	2.4	0.7	1.0	0.6	1.3	1.5	1.0	14.1	0.9	21.0
2011	2.6	0.7	1.1	0.7	1.0	1.5	1.1	15.3	0.8	22.3
2012	2.7	0.7	1.2	0.6	1.3	1.3	1.1	14.9	0.8	24.7
2013	2.6	0.7	1.1	0.6	1.7	1.4	1.0	15.6	0.8	24.6
2014	2.6	0.7	1.1	0.6	1.1	1.6	0.8	17.5	0.8	24.4
2015	2.5	0.8	1.2	0.6	1.2	1.7	1.0	19.1	0.9	20.5
2016	1.9	0.8	1.3	0.5	1.8	1.7	0.8	19.1	1.0	19.3
2017	1.9	0.8	1.5	0.6	1.3	1.7	1.0	19.3	0.9	20.5
2018	1.9	0.7	1.3	0.7	1.4	1.6	0.6	18.8	0.9	21.3

11-10a. Foreign Trade with Various Continents

Unit: US\$ million

Period	Total			Asia			Europe					
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance			
2001	126,612	109,588	+	17,024	67,484	58,180	+	9,304	19,989	15,168	+	4,821
2002	135,774	115,116	+	20,659	78,464	63,320	+	15,144	18,808	14,851	+	3,957
2003	151,345	130,249	+	21,096	91,689	73,924	+	17,765	20,765	16,459	+	4,306
2004	183,643	171,554	+	12,089	116,171	97,596	+	18,575	23,820	21,520	+	2,300
2005	199,761	185,438	+	14,323	130,123	105,458	+	24,665	23,642	22,142	+	1,499
2006	225,904	206,442	+	19,462	148,272	118,014	+	30,258	26,151	21,918	+	4,233
2007	248,792	223,115	+	25,677	165,945	123,172	+	42,773	28,751	23,996	+	4,755
2008	258,051	244,467	+	13,585	171,341	126,940	+	44,401	30,024	24,982	+	5,042
2009	205,663	177,598	+	28,065	141,604	100,173	+	41,431	22,726	19,776	+	2,949
2010	278,008	256,274	+	21,734	193,556	145,461	+	48,096	29,546	26,934	+	2,612
2011	312,923	288,062	+	24,861	216,697	160,932	+	55,765	31,427	30,775	+	652
2012	306,409	277,324	+	29,085	215,667	149,624	+	66,043	28,897	29,507	-	610
2013	311,428	278,010	+	33,418	221,886	148,190	+	73,696	27,906	31,012	-	3,106
2014	320,092	281,850	+	38,242	227,572	153,817	+	73,755	29,122	32,045	-	2,923
2015	285,344	237,219	+	48,124	201,677	136,448	+	65,228	25,964	28,499	-	2,535
2016	280,321	230,568	+	49,753	200,709	138,219	+	62,490	26,221	28,924	-	2,704
2017	317,249	259,266	+	57,983	229,712	153,572	+	76,139	29,155	31,423	-	2,268
2018	335,909	286,333	+	49,576	241,895	168,082	+	73,814	31,570	34,577	-	3,006

Source: See Table 11-2a.

11-10b. Foreign Trade with Various Continents (Continued)

Unit: US\$ million

Period	North America			Central America			South America		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
2001	29,706	20,104	+ 9,602	1,793	491	+ 1,302	1,446	1,054	+ 391
2002	28,917	19,987	+ 8,930	1,789	466	+ 1,323	1,145	1,448	- 303
2003	28,060	18,893	+ 9,168	1,694	494	+ 1,200	1,198	1,929	- 731
2004	30,466	23,837	+ 6,630	1,802	649	+ 1,152	1,613	2,977	- 1,363
2005	30,855	23,221	+ 7,634	1,793	667	+ 1,126	2,183	2,967	- 784
2006	34,244	25,223	+ 9,022	2,133	958	+ 1,175	2,520	3,406	- 886
2007	34,016	29,347	+ 4,669	2,358	1,185	+ 1,173	3,228	3,923	- 695
2008	32,834	29,393	+ 3,440	2,774	1,321	+ 1,453	4,439	5,236	- 798
2009	25,168	20,354	+ 4,814	1,755	825	+ 930	2,682	3,196	- 514
2010	33,617	28,344	+ 5,273	2,423	1,526	+ 897	3,594	5,522	- 1,928
2011	39,131	29,816	+ 9,315	2,488	1,627	+ 860	4,533	6,152	- 1,618
2012	35,730	27,431	+ 8,300	2,751	1,587	+ 1,164	4,184	5,903	- 1,719
2013	35,041	30,025	+ 5,016	2,745	2,364	+ 381	3,906	5,371	- 1,465
2014	37,568	31,667	+ 5,901	2,990	2,045	+ 945	3,611	5,064	- 1,453
2015	36,905	30,620	+ 6,284	3,192	1,518	+ 1,675	2,778	4,398	- 1,621
2016	35,565	29,844	+ 5,721	2,867	1,561	+ 1,305	2,291	3,689	- 1,399
2017	39,147	31,892	+ 7,256	3,088	1,628	+ 1,459	2,630	4,638	- 2,008
2018	42,233	36,707	+ 5,526	3,341	1,796	+ 1,545	2,753	3,619	- 867

11-10c. Foreign Trade with Various Continents (Continued)

Unit: US\$ million

Period	Africa			Middle East			Oceania			Other Regions		
	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance	Exports	Imports	Balance
2001	1,191	2,667	- 1,475	2,254	6,611	- 4,357	1,746	3,545	- 1,798	1,003	1,768	- 765
2002	1,186	2,139	- 953	2,426	7,261	- 4,835	1,954	3,287	- 1,334	1,087	2,356	- 1,269
2003	1,385	2,718	- 1,333	2,768	10,434	- 7,666	2,473	3,242	- 769	1,312	2,155	- 844
2004	1,550	4,143	- 2,593	3,752	14,046	- 10,294	2,906	4,060	- 1,154	1,563	2,726	- 1,164
2005	1,668	3,618	- 1,950	4,231	19,177	- 14,947	3,040	5,402	- 2,362	2,228	2,786	- 558
2006	2,096	5,548	- 3,452	4,554	24,931	- 20,377	3,395	6,124	- 2,729	2,540	320	+ 2,219
2007	2,158	6,182	- 4,023	5,671	27,839	- 22,168	4,053	7,144	- 3,091	2,612	329	+ 2,283
2008	2,889	8,005	- 5,117	5,803	38,997	- 33,194	4,531	9,209	- 4,678	3,417	382	+ 3,034
2009	2,255	3,832	- 1,577	4,625	22,573	- 17,949	2,944	6,590	- 3,645	1,904	277	+ 1,626
2010	2,251	7,016	- 4,764	6,269	31,436	- 25,167	4,046	9,914	- 5,868	2,705	121	+ 2,584
2011	2,968	10,600	- 7,632	7,590	36,058	- 28,468	4,597	11,991	- 7,394	3,494	113	+ 3,381
2012	3,647	9,485	- 5,838	7,401	43,305	- 35,904	4,801	10,375	- 5,574	3,333	108	+ 3,224
2013	3,385	8,257	- 4,872	7,614	43,647	- 36,034	5,027	9,051	- 4,024	3,918	93	+ 3,825
2014	2,831	7,387	- 4,556	8,324	40,321	- 31,997	4,669	9,434	- 4,765	3,405	70	+ 3,336
2015	2,453	3,379	- 926	7,000	23,813	- 16,812	4,262	8,469	- 4,207	1,113	75	+ 1,038
2016	1,921	3,031	- 1,110	5,942	17,712	- 11,770	3,844	7,502	- 3,658	962	85	+ 877
2017	1,878	3,755	- 1,877	6,400	22,199	- 15,799	4,043	10,065	- 6,022	1,196	94	+ 1,102
2018	2,113	2,541	- 429	6,068	27,614	- 21,546	4,435	11,294	- 6,859	1,501	102	+ 1,399

11-11a. Value of Principal Exports

(By CCC)

Unit: US\$ million

Period	Total	Fishery Products	Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	Mineral Products	Chemicals	Plastic and Articles Thereof	Rubber and Articles Thereof	Textiles and Textile Articles	Articles of Stone, Plaster, Cement; Ceramic Products; Glass and Glassware	Base Metals and Articles of Base Metal
2001	126,612.2	1,038.6	503.0	1,945.1	4,271.4	6,986.0	1,039.5	12,646.8	892.5	11,360.8
2002	135,774.4	1,132.8	481.7	2,317.1	4,838.5	7,702.0	1,139.8	12,163.1	939.6	12,571.7
2003	151,344.9	1,239.7	490.0	3,573.0	5,919.6	8,732.7	1,309.0	11,893.0	994.4	14,386.9
2004	183,642.5	1,403.8	550.2	5,761.8	8,067.2	11,084.4	1,567.6	12,563.5	1,224.1	18,425.2
2005	199,760.9	1,439.9	565.5	9,279.5	10,213.8	12,880.0	1,858.2	11,834.2	1,253.2	20,467.4
2006	225,904.2	1,149.6	577.9	11,269.0	11,421.9	13,946.1	1,984.9	11,785.9	1,405.3	24,035.3
2007	248,792.0	1,121.0	655.4	14,207.8	15,030.9	16,717.9	2,233.9	11,609.9	1,463.7	27,843.5
2008	258,051.4	1,400.5	770.7	19,187.0	17,524.0	17,231.9	2,516.3	10,888.6	1,495.9	28,327.6
2009	205,662.5	1,089.0	831.4	11,686.8	14,162.8	14,654.7	1,921.1	9,336.7	1,381.5	19,407.1
2010	278,008.2	1,355.3	1,099.7	14,865.9	19,568.5	19,700.0	2,633.8	11,307.1	1,939.1	25,994.4
2011	312,922.9	1,704.7	1,319.8	18,150.1	22,783.6	22,012.2	3,318.5	12,714.8	2,617.7	30,316.5
2012	306,409.2	1,914.0	1,519.4	22,375.2	21,194.6	21,178.3	3,180.4	11,843.7	2,948.4	28,248.2
2013	311,428.0	1,714.8	1,791.6	24,314.5	21,826.9	22,104.0	2,871.4	11,726.7	2,684.5	27,748.2
2014	320,092.1	1,779.9	1,912.5	21,437.6	22,186.6	21,599.0	2,760.6	11,615.4	2,720.2	29,121.7
2015	285,343.6	1,612.3	1,855.1	12,075.3	18,180.7	18,627.2	2,503.6	10,824.8	2,354.1	25,474.7
2016	280,321.4	1,554.5	1,917.8	10,959.3	17,150.7	17,572.7	2,348.7	9,930.0	2,275.2	24,531.7
2017	317,249.1	1,744.1	2,207.0	11,804.6	19,375.9	20,275.7	2,700.7	10,076.4	2,364.4	29,044.4
2018	335,908.6	1,839.3	2,488.3	14,529.7	22,151.4	22,441.0	2,837.0	10,076.1	2,446.1	31,643.0

Note: CCC refers to the Customs Import Tariff and Import and Export Commodity Classification of the Republic of China.

Source: See Table 11-2a.

11-11b. Value of Principal Exports (Continued)

(By CCC)

Unit: US\$ million

Period	Parts of Electronic Product	Machinery	Electrical Machinery Products	Information, Communication and Audio-video Products	Domestic Appliances	Vehicles, Aircraft, Vessels & Associated Transport Equipment	Optical, Precision Instruments; Clocks and Watches; Musical instruments	Toys, Games and Sports Requisites; Parts and Accessories Thereof	Furniture	Others
2001	21,070.2	10,099.3	6,463.6	31,388.9	932.3	4,495.4	3,565.7	1,739.9	1,312.2	4,861.0
2002	23,420.5	11,569.6	7,820.1	31,176.0	910.1	4,874.9	4,951.2	1,731.9	1,198.8	4,835.0
2003	28,406.2	12,801.4	8,335.5	30,881.2	842.0	5,722.0	7,994.0	1,733.8	1,196.6	4,893.9
2004	37,415.0	15,396.5	10,637.7	31,611.1	729.1	6,553.2	12,240.3	1,854.5	1,265.7	5,291.6
2005	41,233.1	15,744.2	11,601.1	29,974.9	780.9	7,329.0	14,354.1	1,820.0	1,281.8	5,850.1
2006	52,464.1	16,584.0	13,221.1	29,874.2	840.0	7,409.6	18,423.3	1,774.6	1,287.1	6,450.3
2007	55,342.3	17,647.1	17,099.8	28,747.6	835.8	8,050.0	19,957.4	1,850.2	1,353.8	7,024.0
2008	55,342.2	17,996.9	15,999.8	25,810.0	894.2	9,121.2	21,880.6	1,802.6	1,353.0	8,508.4
2009	50,032.7	12,545.7	11,785.8	21,696.7	685.5	7,747.4	16,120.5	1,517.7	1,088.0	7,971.4
2010	69,091.5	18,630.2	14,342.1	31,205.3	711.7	9,339.8	23,659.7	1,896.3	1,354.8	9,313.0
2011	75,472.5	22,545.1	12,548.3	36,761.8	745.7	10,304.4	23,966.2	2,039.5	1,468.4	12,133.1
2012	75,216.2	22,513.2	12,853.6	31,553.4	711.2	11,114.3	23,443.9	2,181.8	1,542.3	10,877.1
2013	80,595.4	21,548.1	13,725.9	31,073.0	673.4	11,043.1	22,723.1	2,168.6	1,539.6	9,555.2
2014	90,159.3	22,910.9	13,280.2	31,007.1	714.2	11,699.1	21,184.1	2,262.9	1,666.1	10,074.7
2015	85,912.7	21,515.5	11,830.6	30,478.9	654.3	11,772.6	16,416.7	2,118.4	1,637.9	9,498.2
2016	92,798.0	21,149.4	9,520.2	30,181.4	594.8	10,837.6	15,239.1	2,115.2	1,584.3	8,060.8
2017	107,199.7	25,564.9	10,449.8	34,106.2	588.8	10,891.5	16,738.0	2,159.0	1,665.2	8,292.8
2018	110,770.9	27,390.7	10,933.1	35,330.3	603.6	11,262.3	16,400.7	2,256.2	1,736.5	8,772.4

11-12a. Value of Principal Exports by Destination

A. Textiles and Textile Articles

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	11,307.1	12,714.8	11,843.7	11,726.7	11,615.4	10,824.8	9,930.0	10,076.4	10,076.1
Vietnam	1,508.6	1,810.7	1,765.1	1,909.6	2,051.7	2,137.5	2,077.5	2,176.0	2,268.9
Mainland China	2,544.5	2,796.6	2,550.7	2,558.3	2,396.0	2,057.2	1,848.9	1,939.8	1,935.7
U.S.A.	983.4	971.9	943.6	905.3	926.0	876.7	766.4	727.3	719.1
Hong Kong	1,461.3	1,467.7	1,176.3	1,039.1	924.9	855.3	699.5	646.3	550.3
Indonesia	540.4	645.8	596.3	594.5	579.6	553.2	532.5	540.0	515.5
Cambodia	298.8	402.4	390.7	374.6	371.9	394.1	391.3	374.7	373.2
Japan	349.1	476.8	442.6	393.2	385.6	357.1	342.8	359.8	371.3
Thailand	366.1	396.9	403.9	397.3	376.8	373.8	340.9	341.8	341.5
Jordan	107.3	149.2	151.3	191.5	212.7	240.7	232.6	253.5	207.3
Bangladesh	188.6	206.7	203.1	212.2	215.3	244.4	250.3	240.3	262.4
Philippines	228.6	283.0	268.3	253.7	257.4	243.7	216.3	217.3	216.8
Sri Lanka	109.8	142.2	162.6	175.2	213.2	209.9	200.5	209.9	218.7
India	188.2	222.4	211.5	204.4	199.9	176.4	162.3	156.3	159.5
Mexico	114.7	135.1	149.5	132.5	136.8	128.1	107.3	104.0	95.6
Germany	125.4	141.0	126.9	121.3	124.4	98.2	95.6	103.6	106.7
Brazil	155.3	208.9	176.5	188.2	171.6	95.6	92.7	98.4	92.2
Korea, Republic of	133.9	148.4	133.9	131.2	117.0	102.5	90.9	97.3	101.5
Malaysia	127.0	154.5	143.2	133.7	128.0	118.4	101.7	85.4	83.3
Pakistan	75.4	77.5	71.6	71.3	89.6	90.4	85.3	81.2	95.0
United Kingdom	109.9	107.5	108.8	108.2	91.0	86.2	72.9	77.7	77.5
Others	1,590.8	1,769.8	1,667.4	1,631.3	1,645.8	1,385.4	1,221.8	1,245.7	1,283.9

Source: See Table 11-2a.

11-12b. Value of Principal Exports by Destination (Continued)

B. Plastics and Articles Thereof; Rubber and Articles Thereof

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	22,333.8	25,330.7	24,358.7	24,975.4	24,359.5	21,130.8	19,921.4	22,976.4	25,278.0
Mainland China	8,225.8	8,830.3	8,621.7	9,130.5	8,540.0	6,962.9	6,488.7	7,779.3	8,520.4
United States	1,833.3	2,095.1	2,223.2	2,274.8	2,439.8	2,542.4	2,451.2	2,704.8	2,783.9
Hong Kong	3,066.2	2,758.3	2,200.7	1,954.6	1,781.0	1,449.9	1,238.4	1,482.1	1,487.1
Japan	1,237.7	1,699.9	1,747.6	1,623.7	1,522.4	1,304.7	1,226.6	1,462.8	1,915.6
Vietnam	809.8	1,036.9	989.2	1,110.5	1,234.2	1,136.0	1,140.1	1,323.4	1,591.8
India	687.3	693.0	691.1	776.9	747.6	696.2	679.5	710.1	854.7
Korea, Republic of	308.8	455.5	494.6	495.7	521.2	457.3	464.9	601.2	654.3
Malaysia	454.6	585.5	557.3	540.8	549.4	530.6	485.8	547.5	617.5
Others	5,710.3	7,176.2	6,833.4	7,067.8	7,023.8	6,050.9	5,746.2	6,365.3	6,852.8

C. Base Metals and Articles of Base Metal

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	25,994.4	30,316.5	28,248.2	27,748.2	29,121.7	25,474.7	24,531.7	29,044.4	31,643.0
Mainland China	5,363.0	5,847.1	5,189.1	5,011.8	5,056.7	4,675.2	4,510.7	5,828.2	6,044.0
U.S.A.	3,951.3	4,637.7	5,005.7	4,933.8	5,717.8	5,360.1	5,097.2	5,768.7	6,340.4
Japan	1,713.6	2,218.5	2,076.3	1,954.4	2,087.1	1,794.7	1,762.9	2,158.9	2,297.6
Vietnam	1,072.5	1,265.0	1,031.4	1,090.3	1,237.9	1,032.0	1,147.7	1,407.1	1,431.3
Thailand	967.4	1,184.7	1,270.0	1,265.3	1,214.1	1,109.3	1,126.2	1,168.4	1,203.8
Korea, Republic of	962.9	1,183.6	925.6	994.8	956.9	747.5	724.2	1,023.3	909.4
Germany	644.5	897.3	773.7	807.8	905.1	789.4	811.2	894.5	1,001.8
Malaysia	965.9	1,058.1	979.7	922.3	894.5	759.8	729.0	875.4	981.9
Hong Kong	1,884.4	1,807.4	1,322.2	1,161.5	1,060.9	799.6	653.4	685.1	707.1
Australia	723.2	766.1	770.2	708.6	710.5	607.3	588.0	670.3	774.5
Others	7,745.7	9,450.9	8,904.4	8,897.4	9,280.2	7,799.9	7,381.1	8,564.5	9,951.1

11-12c. Value of Principal Exports by Destination (Continued)

D. Electronic Integrated Circuits

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	50,703.0	56,398.9	58,393.5	64,132.7	72,722.7	70,038.6	78,171.9	92,307.8	95,906.5
Mainland China	11,627.1	12,977.3	12,405.6	13,299.4	15,473.8	14,798.8	19,932.3	26,408.9	30,404.6
Hong Kong	14,940.8	15,801.9	17,031.8	20,096.0	22,664.7	20,372.9	23,160.1	24,793.4	25,185.7
Singapore	6,907.2	10,343.6	11,342.5	11,765.8	13,187.5	11,587.3	10,954.6	12,775.9	11,691.4
Japan	5,665.1	3,898.7	4,057.4	4,635.8	5,009.7	6,446.5	6,741.2	6,869.5	7,246.5
Korea, Republic of	4,276.6	5,578.3	5,996.9	6,112.3	6,686.1	7,312.6	6,560.2	6,811.4	6,508.0
Malaysia	1,612.3	1,799.1	1,890.0	2,240.6	2,462.3	2,203.2	3,375.9	5,360.1	5,313.1
Philippines	1,825.7	1,867.3	1,663.4	1,691.9	2,058.2	2,037.1	2,224.6	2,793.2	2,817.6
U.S.A.	1,240.6	1,405.9	1,205.4	1,355.8	1,448.3	1,544.0	1,328.8	1,420.5	1,504.7
Others	2,607.6	2,726.8	2,800.5	2,935.0	3,732.2	3,736.3	3,894.2	5,074.9	5,234.8

E. Printed Circuits

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	5,374.6	6,170.3	5,955.5	5,789.8	5,813.8	5,480.5	4,925.8	5,544.7	5,591.8
Mainland China	1,774.4	2,488.5	2,551.4	2,332.1	2,461.0	2,316.0	1,959.0	2,465.9	2,514.0
Hong Kong	1,122.5	1,014.2	917.1	881.4	802.4	705.8	569.5	687.5	792.4
U.S.A.	407.7	431.9	451.7	470.7	450.6	479.5	453.3	465.8	454.0
Korea, Republic of	395.4	458.3	483.5	461.0	455.2	346.9	355.6	378.3	380.2
Malaysia	264.3	351.0	232.5	299.0	314.3	287.3	316.3	321.0	356.8
Japan	228.9	209.8	185.5	193.9	218.0	245.9	258.8	236.9	155.0
Germany	140.1	151.9	150.8	129.7	130.4	121.7	120.4	139.2	135.9
Philippines	205.1	184.0	191.1	173.1	148.9	127.9	113.9	121.5	113.4
Thailand	157.6	151.4	141.1	124.2	125.3	160.4	104.4	111.9	110.5
Mexico	35.6	48.0	67.4	80.7	84.8	88.7	91.6	100.9	98.4
Others	643.1	681.3	583.4	644.0	622.8	600.4	583.1	515.9	481.3

11-12d. Value of Principal Exports by Destination (Continued)

F. Products of Iron or Non-Alloy Steel

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	5,879.9	6,979.8	6,459.4	6,381.6	6,537.5	4,903.3	4,673.3	5,728.8	6,411.5
Mainland China	1,194.8	1,216.1	1,003.9	997.1	1,017.4	720.2	647.7	771.9	804.4
Vietnam	464.1	552.5	442.4	499.7	586.3	453.4	564.9	723.3	766.5
U.S.A.	313.1	396.2	520.3	486.1	789.1	642.6	654.4	702.1	442.9
Japan	505.5	689.2	584.6	546.4	595.5	435.7	391.5	519.2	560.2
Malaysia	522.6	525.7	504.9	505.3	473.8	404.0	383.7	463.8	546.4
Thailand	317.4	403.3	433.6	491.2	432.2	356.0	387.2	300.6	303.6
Korea, Republic of	310.0	444.6	295.5	209.1	142.8	113.9	136.6	289.6	199.0
Others	2,252.4	2,752.2	2,674.3	2,646.8	2,500.4	1,777.5	1,507.4	1,958.2	2,788.6

G. Machine Tools for Metal or Metal Carbides

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	2,972.0	4,008.4	4,265.3	3,556.8	3,771.1	3,205.4	2,894.5	3,339.6	3,655.4
Mainland China	1,261.0	1,420.7	1,454.1	1,139.7	1,229.2	956.4	890.5	1,131.7	1,154.7
U.S.A.	162.9	352.7	531.8	402.0	414.8	378.8	346.6	369.9	477.7
Turkey	115.3	199.8	204.0	175.4	208.4	172.2	146.1	142.5	159.2
Germany	67.0	143.6	131.6	118.9	129.7	114.8	109.8	123.6	117.0
Thailand	123.1	176.9	266.0	225.2	168.4	115.9	107.2	121.0	138.1
India	136.9	141.7	116.1	86.3	97.4	93.4	92.8	110.1	158.1
Vietnam	65.6	88.2	71.0	69.5	86.4	102.1	98.9	108.1	122.6
Korea, Republic of	91.3	103.9	86.1	97.5	88.6	86.3	71.3	99.6	78.6
Others	948.9	1,380.7	1,404.5	1,242.2	1,348.3	1,185.5	1,031.4	1,133.0	1,249.4

11-12e. Value of Principal Exports by Destination (Continued)

H. Machinery & Electrical Equipment

Unit: US\$ million

Destination	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	133,980.8	148,073.3	142,847.7	147,615.7	158,071.7	150,392.0	154,243.9	177,909.5	185,028.7
Mainland China	30,167.3	34,498.6	33,920.8	35,448.9	38,337.5	36,068.7	39,648.3	50,080.2	55,416.4
Hong Kong	24,460.7	25,608.1	25,926.5	28,545.2	31,796.0	28,568.8	30,599.5	32,941.5	33,689.1
U.S.A.	17,635.1	20,996.8	16,712.4	16,356.4	16,940.7	16,690.8	16,547.1	18,488.3	19,749.7
Singapore	8,310.9	12,082.7	13,381.4	13,761.7	14,955.2	13,272.5	12,498.7	14,360.4	13,480.4
Japan	10,256.4	8,928.1	9,219.7	9,905.2	10,409.8	11,134.5	11,228.3	11,638.3	12,447.7
Korea, Rep. of	7,561.7	8,630.2	8,482.6	8,465.4	9,060.8	9,546.4	8,880.6	9,740.2	9,204.6
Malaysia	3,245.2	3,596.7	3,410.8	4,000.4	4,333.2	3,880.9	4,899.9	6,889.4	7,017.3
Germany	4,185.0	3,823.3	3,141.2	3,138.8	3,442.7	3,471.6	3,372.9	3,707.0	4,040.5
Philippines	2,594.3	2,668.8	2,451.4	2,518.8	3,038.6	3,071.9	3,039.6	3,605.0	3,634.1
Thailand	2,410.6	2,816.6	2,905.0	2,604.8	2,634.1	2,492.0	2,313.8	2,818.6	2,632.4
Vietnam	980.5	1,034.3	1,144.0	1,413.8	2,095.4	2,391.5	2,593.9	2,734.5	2,282.5
Netherlands	2,593.3	2,592.0	2,495.4	2,570.6	2,562.9	2,252.1	2,221.1	2,568.4	3,317.6
United Kingdom	2,086.9	2,264.4	1,909.9	2,004.0	2,029.0	1,976.9	1,702.4	1,857.0	1,804.4
India	1,256.5	1,572.3	1,198.9	1,081.6	1,078.3	960.2	964.0	1,156.8	1,268.1
Mexico	688.8	654.2	671.0	761.3	927.6	1,128.8	1,062.7	1,141.3	1,256.4
Others	15,547.8	16,306.3	15,876.9	15,038.5	14,429.9	13,484.3	12,671.3	14,182.6	13,787.3

11-13a. Exports by Countries of Destination

A. United States

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	31,675	36,558	33,224	32,630	35,114	34,543	33,523	36,942	39,693
Live Animals; Animal Products	146	159	155	130	144	145	149	175	135
Vegetable Products	61	71	75	83	94	93	92	99	100
Animal or Vegetable Fats and Oils and their Cleavage Products	14	14	17	16	18	16	15	16	18
Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	159	187	206	224	231	228	247	270	301
Mineral Products	494	294	293	32	144	173	56	117	215
Chemicals	818	870	969	930	1,122	994	1,022	1,247	1,300
Plastics & Articles Thereof; Rubber & Articles Thereof	1,833	2,095	2,223	2,275	2,440	2,542	2,451	2,705	2,784
Fur and Articles Thereof	44	55	63	58	59	61	55	53	58
Wood and Articles Thereof	35	41	39	41	37	42	41	44	38
Pulp, Paper and Printing Products	122	130	160	163	165	182	192	199	219
Textiles and Textile Articles	983	972	944	905	926	877	766	727	719
Footwear, Headgear, Umbrellas; Artificial Flowers; Articles of Human Hair	81	88	86	74	88	99	94	99	104
Articles of Stone, Plaster, Cement; Ceramic Products; Glass & Glassware	219	247	251	265	278	291	271	283	317
Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	125	149	118	136	151	129	101	76	91
Base Metals and Articles of Base Metal	3,951	4,638	5,006	4,934	5,718	5,360	5,097	5,769	6,340
Machinery & Electrical Equipment	17,635	20,997	16,712	16,356	16,941	16,691	16,547	18,488	19,750
Vehicles, Aircraft, Vessels & Associated Transport Equipment	2,263	2,540	2,816	2,808	3,038	3,159	2,996	3,122	3,424
Optical, Precision Instruments; Clocks and Watches; Musical Instruments	1,058	1,293	1,254	1,372	1,517	1,367	1,261	1,247	1,440
Others	1,634	1,717	1,836	1,827	2,004	2,095	2,070	2,207	2,339

Source: See Table 11-2a.

11-13b. Exports by Countries of Destination (Continued)

B. Japan

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	18,645	19,242	19,624	19,391	20,142	19,592	19,551	20,782	23,082
Live Animals; Animal Products	563	633	697	493	510	474	518	593	615
Vegetable Products	165	185	199	186	179	169	164	169	188
Animal or Vegetable Fats and Oils and their Cleavage Products	10	16	19	17	12	10	8	7	9
Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	97	96	83	64	66	76	67	75	88
Mineral Products	129	183	363	268	346	129	227	124	607
Chemicals	1,367	1,570	1,469	1,443	1,628	1,399	1,289	1,396	1,601
Plastics & Articles Thereof; Rubber & Articles Thereof	1,238	1,700	1,748	1,624	1,522	1,305	1,227	1,463	1,916
Fur and Articles Thereof	33	42	49	41	39	39	30	29	29
Wood and Articles Thereof	54	63	60	66	56	39	36	27	31
Pulp, Paper and Printing Products	85	97	130	89	72	67	88	115	114
Textiles and Textile Articles	349	477	443	393	386	357	343	360	371
Footwear, Headgear, Umbrellas; Artificial Flowers; Articles of Human Hair	35	38	42	42	45	40	38	36	39
Articles of Stone, Plaster, Cement; Ceramic Products; Glass & Glassware	435	467	568	472	396	273	258	268	299
Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	260	399	290	236	240	249	266	221	264
Base Metals and Articles of Base Metal	1,714	2,219	2,076	1,954	2,087	1,795	1,763	2,159	2,298
Machinery & Electrical Equipment	10,256	8,928	9,220	9,905	10,410	11,135	11,228	11,638	12,448
Vehicles, Aircraft, Vessels & Associated Transport Equipment	530	655	630	621	643	589	535	558	560
Optical, Precision Instruments; Clocks and Watches; Musical Instruments	827	861	877	790	818	808	837	896	953
Others	500	613	660	686	688	639	631	648	654

11-13c. Exports by Countries of Destination (Continued)

C. Germany

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	6,551	6,940	5,697	5,671	6,222	6,007	5,929	6,453	7,059
Live Animals; Animal Products	6	4	5	5	5	5	7	5	4
Vegetable Products	5	7	9	6	5	5	3	3	3
Animal or Vegetable Fats and Oils and their Cleavage Products	1	1	1	1	1	0	1	0	0
Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	9	13	28	11	13	15	17	16	16
Mineral Products	7	9	1	18	7	0	3	3	5
Chemicals	212	193	122	131	157	111	152	150	153
Plastics & Articles Thereof; Rubber & Articles Thereof	239	271	257	253	281	266	264	263	291
Fur and Articles Thereof	8	8	9	11	10	10	8	8	10
Wood and Articles Thereof	6	5	6	7	5	5	6	5	5
Pulp, Paper and Printing Products	17	21	18	15	18	18	18	21	18
Textiles and Textile Articles	125	141	127	121	124	98	96	104	107
Footwear, Headgear, Umbrellas; Artificial Flowers; Articles of Human Hair	10	13	14	11	10	10	7	7	7
Articles of Stone, Plaster, Cement; Ceramic Products; Glass & Glassware	40	45	42	45	48	35	39	43	41
Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	22	119	61	51	86	102	35	53	75
Base Metals and Articles of Base Metal	644	897	774	808	905	789	811	894	1,002
Machinery & Electrical Equipment	4,185	3,823	3,141	3,139	3,443	3,472	3,373	3,707	4,041
Vehicles, Aircraft, Vessels & Associated Transport Equipment	530	592	607	566	641	624	623	702	800
Optical, Precision Instruments; Clocks and Watches; Musical Instruments	266	529	240	219	184	196	194	208	222
Others	218	246	236	253	278	245	273	261	262

11-13d. Exports by Countries of Destination (Continued)

D. United Kingdom

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	3,670	4,646	5,076	4,330	4,247	3,905	3,643	3,786	3,858
Live Animals; Animal Products	4	3	2	2	2	2	2	2	1
Vegetable Products	3	4	5	4	4	5	4	4	4
Animal or Vegetable Fats and Oils and their Cleavage Products	0	0	0	0	0	0	0	0	0
Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	7	7	10	11	15	15	15	18	21
Mineral Products	0	129	0	121	68	0	0	0	0
Chemicals	48	63	78	76	105	69	76	73	97
Plastics & Articles Thereof; Rubber & Articles Thereof	218	237	237	232	245	233	227	233	247
Fur and Articles Thereof	9	10	10	8	9	8	6	7	9
Wood and Articles Thereof	4	3	3	2	2	2	1	2	2
Pulp, Paper and Printing Products	8	9	11	10	10	10	10	9	10
Textiles and Textile Articles	110	107	109	108	91	86	73	78	78
Footwear, Headgear, Umbrellas; Artificial Flowers; Articles of Human Hair	7	9	8	8	10	8	9	8	8
Articles of Stone, Plaster, Cement; Ceramic Products; Glass & Glassware	21	37	44	32	36	25	22	22	23
Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	22	584	1,475	496	189	48	71	21	50
Base Metals and Articles of Base Metal	452	510	479	473	567	530	503	622	712
Machinery & Electrical Equipment	2,087	2,264	1,910	2,004	2,029	1,977	1,702	1,857	1,804
Vehicles, Aircraft, Vessels & Associated Transport Equipment	398	385	410	444	496	518	518	510	484
Optical, Precision Instruments; Clocks and Watches; Musical Instruments	77	91	88	92	135	140	194	115	109
Others	195	192	197	207	234	228	208	202	200

11-13e. Exports by Countries of Destination (Continued)

E. Mainland China

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	77,950	85,244	82,666	84,122	84,738	73,410	73,879	88,981	96,756
Live Animals; Animal Products	73	170	212	258	292	251	193	269	401
Vegetable Products	38	46	51	77	84	135	139	174	198
Animal or Vegetable Fats and Oils and their Cleavage Products	18	22	27	25	15	12	11	14	12
Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	158	217	302	472	513	450	450	529	619
Mineral Products	902	975	1,228	1,230	1,642	1,486	1,306	1,221	1,134
Chemicals	10,070	12,094	10,868	11,227	10,568	8,098	7,547	8,658	9,989
Plastics & Articles Thereof; Rubber & Articles Thereof	8,226	8,830	8,622	9,130	8,540	6,963	6,489	7,779	8,520
Fur and Articles Thereof	225	208	219	229	303	164	139	121	94
Wood and Articles Thereof	30	35	44	48	55	41	40	58	56
Pulp, Paper and Printing Products	403	418	413	345	346	321	308	416	543
Textiles and Textile Articles	2,545	2,797	2,551	2,558	2,396	2,057	1,849	1,940	1,936
Footwear, Headgear, Umbrellas; Artificial Flowers; Articles of Human Hair	83	80	76	85	81	71	54	64	57
Articles of Stone, Plaster, Cement; Ceramic Products; Glass & Glassware	590	978	1,178	1,006	1,146	966	999	1,053	1,036
Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	55	89	92	70	108	136	133	158	192
Base Metals and Articles of Base Metal	5,363	5,847	5,189	5,012	5,057	4,675	4,511	5,828	6,044
Machinery & Electrical Equipment	30,167	34,499	33,921	35,449	38,338	36,069	39,648	50,080	55,416
Vehicles, Aircraft, Vessels & Associated Transport Equipment	862	660	746	1,051	947	1,011	896	574	592
Optical, Precision Instruments; Clocks and Watches; Musical Instruments	17,687	16,736	16,311	15,140	13,518	9,715	8,431	9,284	9,178
Others	455	542	616	709	790	788	736	759	738

11-13f. Exports by Countries of Destination (Continued)

F. Hong Kong

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	38,270	40,726	38,495	41,183	43,795	39,130	38,398	41,232	41,590
Live Animals; Animal Products	72	62	75	78	86	92	79	75	79
Vegetable Products	34	47	50	57	65	67	65	67	74
Animal or Vegetable Fats and Oils and their Cleavage Products	15	17	16	20	8	3	2	2	1
Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	145	177	203	229	248	228	227	267	287
Mineral Products	1,009	1,349	2,297	3,000	2,390	1,664	611	672	741
Chemicals	799	815	661	705	742	712	652	608	657
Plastics & Articles Thereof; Rubber & Articles Thereof	3,066	2,758	2,201	1,955	1,781	1,450	1,238	1,482	1,487
Fur and Articles Thereof	211	203	207	187	190	166	91	80	71
Wood and Articles Thereof	6	4	4	4	6	3	3	3	2
Pulp, Paper and Printing Products	169	150	153	145	127	117	106	109	112
Textiles and Textile Articles	1,461	1,468	1,176	1,039	925	855	700	646	550
Footwear, Headgear, Umbrellas; Artificial Flowers; Articles of Human Hair	53	54	46	40	35	27	25	26	24
Articles of Stone, Plaster, Cement; Ceramic Products; Glass & Glassware	173	283	281	311	269	271	214	210	212
Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	1,979	3,024	1,289	747	1,062	1,350	528	412	337
Base Metals and Articles of Base Metal	1,884	1,807	1,322	1,161	1,061	800	653	685	707
Machinery & Electrical Equipment	24,461	25,608	25,927	28,545	31,796	28,569	30,600	32,941	33,689
Vehicles, Aircraft, Vessels & Associated Transport Equipment	260	436	277	104	135	232	133	222	332
Optical, Precision Instruments; Clocks and Watches; Musical Instruments	2,056	2,078	1,962	2,494	2,487	2,157	2,114	2,337	1,864
Others	415	386	348	362	383	367	356	389	363

11-14a. Value of Principal Imports

(By CCC)

Unit: US\$ million

Period	Total	Vegetable Products	Wheat, Barley and Similar Articles Thereof	Maize	Soybean	Prepared Foodstuffs; Beverages, Spirits and Tobacco Products	Mineral Products	Petroleum	Chemicals
2001	109,587.9	1,991.3	205.7	587.0	503.4	2,108.5	12,796.4	6,818.7	10,361.5
2002	115,115.8	2,085.6	223.6	591.2	536.9	2,085.6	12,655.9	6,762.3	11,505.0
2003	130,248.5	2,388.3	230.7	683.3	663.4	2,342.0	16,392.5	9,578.3	13,727.3
2004	171,554.0	2,675.0	258.5	819.0	702.3	2,652.2	23,041.1	13,127.3	17,932.5
2005	185,437.6	2,767.8	299.3	718.9	708.0	3,004.3	29,950.1	18,235.3	19,861.4
2006	206,442.3	2,670.2	247.4	757.4	636.2	3,327.3	38,919.2	23,564.8	22,631.3
2007	223,115.4	3,311.7	365.0	945.5	842.0	3,329.4	45,960.5	24,532.0	25,066.4
2008	244,466.7	4,322.7	530.8	1,286.8	1,178.1	3,655.1	65,379.8	33,069.3	27,201.4
2009	177,597.8	3,591.4	379.4	953.3	1,034.1	3,369.2	39,424.6	19,668.6	20,701.0
2010	256,274.0	4,267.1	358.4	1,231.7	1,193.0	3,976.7	55,261.2	25,524.5	29,858.9
2011	288,062.2	4,948.4	603.5	1,383.7	1,308.5	4,491.4	68,444.9	30,357.6	34,403.7
2012	277,323.8	5,158.6	515.5	1,412.3	1,455.3	4,692.7	74,452.9	35,642.0	30,487.3
2013	278,009.7	4,856.0	507.7	1,188.5	1,286.4	4,764.0	74,049.1	33,606.5	31,180.4
2014	281,849.7	4,876.1	472.7	1,034.4	1,350.1	4,849.5	70,140.1	32,156.1	30,345.9
2015	237,219.1	4,558.2	413.6	874.2	1,166.3	4,635.1	41,573.5	16,086.9	25,636.7
2016	230,568.1	4,403.5	344.4	784.1	1,019.5	4,582.6	35,018.4	12,855.6	24,991.5
2017	259,266.4	4,673.4	402.7	847.9	1,070.5	4,637.6	44,107.8	16,877.2	27,858.4
2018	286,332.9	4,598.0	369.5	854.1	1,070.3	4,846.5	54,888.8	23,331.5	30,364.0

Source: See Table 11-2a.

11-14b. Value of Principal Imports (Continued)

(By CCC)

Unit: US\$ million

Period	Plastics and Articles Thereof; Rubber and Articles Thereof	Wood and Articles of Wood	Pulp, Paper and Printing Products	Textiles and Textile Articles	Articles of Stone, Plaster, Cement; Ceramic Products; Glass and Glassware	Pearls, Precious Stones, Precious Metals; Imitation Jewellery; Coin	Base Metals and Articles of Base Metal	Iron and Steel and Articles Thereof
2001	3,431.8	849.6	1,800.9	2,400.8	984.0	979.5	7,872.1	3,813.1
2002	3,768.3	914.8	1,725.9	2,510.0	997.3	847.0	9,278.1	4,878.5
2003	4,174.0	975.3	1,948.1	2,437.1	1,243.7	1,027.1	11,415.6	6,297.8
2004	5,528.0	1,247.5	2,215.0	2,722.1	1,791.6	1,455.4	18,599.0	10,841.8
2005	6,204.5	1,241.2	2,273.0	2,643.7	2,160.4	1,764.7	18,937.3	10,625.6
2006	6,672.6	1,238.5	2,333.8	2,748.9	2,292.4	2,359.1	23,307.5	10,277.7
2007	6,949.4	1,319.5	2,506.0	2,685.3	2,659.7	3,014.8	26,885.3	12,754.6
2008	7,169.4	1,312.1	2,761.1	2,716.0	2,895.5	3,378.6	29,161.7	16,518.3
2009	5,962.6	883.1	2,030.8	2,207.8	2,362.4	3,243.2	15,286.3	7,685.2
2010	8,829.3	1,304.4	2,712.2	2,935.3	3,706.3	4,757.9	24,522.5	12,534.5
2011	10,097.0	1,401.6	2,944.8	3,626.4	3,749.9	6,224.2	27,252.1	14,492.8
2012	9,552.8	1,322.8	2,819.6	3,443.8	3,632.6	6,282.5	23,319.1	12,499.0
2013	8,987.5	1,459.7	2,703.3	3,375.7	3,299.3	4,682.9	21,986.2	11,353.9
2014	9,173.8	1,577.7	2,534.9	3,501.0	3,176.4	5,264.3	23,351.0	11,923.5
2015	7,984.9	1,361.2	2,303.7	3,512.1	2,816.4	4,889.7	19,235.5	8,730.1
2016	7,568.2	1,179.7	2,239.3	3,340.6	2,559.1	3,501.5	16,824.7	7,798.2
2017	8,383.3	1,210.7	2,482.5	3,366.6	2,672.6	3,315.2	20,503.8	9,349.3
2018	8,956.8	1,321.1	2,677.4	3,677.6	2,850.9	3,412.3	22,453.1	11,069.0

11-14c. Value of Principal Imports (Continued)

(By CCC)

Unit: US\$ million

Period	Machinery and Electrical Equipment	Parts of Electronic Product	Machinery	Electrical Machinery Products	Information, Communication and Audio-video Products	Domestic Appliances	Vehicles, Aircraft, Vessels and Associated Transport Equipment	Optical, Precision Instruments; Clocks and Watches; Musical Instruments	Others
2001	48,270.6	19,705.3	11,220.0	5,728.7	11,127.1	489.4	5,289.6	6,296.7	4,154.7
2002	50,897.1	21,977.2	10,368.1	6,432.9	11,508.5	610.3	4,603.3	6,724.5	4,517.3
2003	53,851.7	23,967.3	12,292.9	6,627.4	10,290.0	674.1	5,087.1	8,777.1	4,461.6
2004	67,445.9	29,020.2	18,439.1	8,567.7	10,500.3	918.6	6,509.7	12,762.8	4,976.2
2005	69,467.0	30,950.5	18,093.8	8,431.1	10,890.6	1,101.1	8,061.5	11,513.1	5,587.7
2006	73,528.3	34,742.4	18,686.5	8,617.1	10,294.7	1,187.6	6,623.2	12,559.8	5,230.3
2007	73,965.0	33,921.9	18,535.6	9,278.9	11,051.7	1,176.9	6,737.5	13,078.3	5,646.7
2008	71,950.2	32,777.4	18,720.5	8,717.4	10,555.7	1,179.3	5,525.6	10,841.0	6,196.5
2009	60,446.4	29,147.4	15,585.4	6,029.5	8,877.1	807.0	4,972.9	7,429.9	5,686.2
2010	88,535.8	39,814.3	27,519.1	8,670.5	11,595.8	936.2	7,584.9	10,807.6	7,213.9
2011	91,893.2	41,150.7	26,258.6	9,997.5	13,405.7	1,080.8	8,762.6	11,363.1	8,458.8
2012	84,121.3	38,101.8	22,953.8	8,924.3	13,062.2	1,079.2	9,249.2	10,595.8	8,192.9
2013	86,789.8	38,728.3	24,685.9	8,089.6	14,166.6	1,119.5	9,298.5	11,063.9	9,513.4
2014	88,576.3	40,882.0	24,173.8	7,979.7	14,392.1	1,148.7	10,871.3	12,051.2	11,560.2
2015	84,106.4	38,320.2	23,991.4	7,364.9	13,328.7	1,101.2	11,829.6	10,999.1	11,777.2
2016	91,983.2	41,995.4	28,634.2	7,083.8	13,098.3	1,171.4	11,316.0	10,824.5	10,235.3
2017	101,947.7	49,468.9	27,971.9	7,632.1	15,639.3	1,235.5	11,769.2	11,114.5	11,222.9
2018	110,654.6	57,090.7	28,017.0	8,598.8	15,560.7	1,387.5	12,049.1	11,963.2	11,619.6

11-15a. Value of Principal Imports by Origin

A. Soybean

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	1193.0	1308.5	1455.3	1286.4	1350.1	1166.3	1019.5	1070.5	1070.2
U.S.A.	730.4	728.4	716.3	616.0	760.7	667.5	514.4	594.2	901.5
Brazil	402.0	537.8	720.2	591.5	534.2	450.8	467.7	433.1	129.6
Others	60.6	42.2	18.7	78.9	55.2	48.0	37.5	43.2	39.1

B. Wheat

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	358.4	603.5	515.5	507.7	472.7	413.6	344.4	402.7	369.4
U.S.A.	239.2	465.8	367.0	393.9	360.1	309.8	263.6	321.0	289.9
Australia	103.8	123.4	121.7	89.4	90.0	80.7	66.7	71.6	58.8
India	0.0	4.8	20.2	16.5	9.0	4.9	0.5	0.0	0.0
Others	15.3	9.5	6.6	7.9	13.5	18.2	13.5	10.1	20.8

C. Maize

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	1231.7	1383.7	1412.3	1188.5	1034.4	874.1	784.1	847.9	854.1
U.S.A.	794.0	882.4	363.2	182.6	479.7	386.0	476.2	487.4	649.6
Brazil	311.7	334.2	707.7	579.0	350.4	478.8	303.2	273.2	141.8
India	8.0	36.2	85.3	88.3	21.2	1.6	0.8	4.4	1.6
Thailand	0.2	0.6	0.5	1.2	1.2	1.2	1.3	6.8	0.9
Australia	0.1	0.0	10.1	1.0	0.8	1.0	1.4	0.8	0.4
Others	117.6	130.3	245.6	336.3	181.0	5.5	1.3	75.3	59.8

Source: See Table 11-2a.

11-15b. Value of Principal Imports by Origin (Continued)

D. Coal

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	6,713.2	8,945.2	7,960.5	6,859.4	6,048.7	4,891.7	4,519.3	6,792.4	8,056.0
Australia	3,330.3	4,186.3	3,458.7	3,155.9	2,986.7	2,535.8	2,620.8	3,737.4	4,511.5
Indonesia	2,026.8	2,754.9	2,856.8	2,326.6	2,061.3	1,534.0	1,076.5	1,280.7	1,467.5
Russia	164.7	506.3	394.0	309.6	490.3	510.9	433.3	809.1	1,133.3
Canada	156.2	298.9	291.6	208.3	176.5	129.9	159.7	377.4	496.0
other	1,035.1	1,198.9	959.5	859.1	333.9	181.1	228.9	587.8	447.7

E. Petroleum

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	25,524.5	30,357.6	35,642.0	33,606.5	32,156.1	16,086.9	12,855.6	16,877.2	23,331.5
Saudi Arabia	9,005.1	10,339.4	11,152.6	12,137.1	10,562.1	5,099.5	4,105.6	5,226.0	7,001.9
Kuwait	5,281.5	7,073.4	7,526.8	7,175.9	5,976.5	3,468.9	2,593.9	3,271.0	4,775.4
United Arab	1,263.0	1,800.4	2,435.5	2,220.1	2,819.2	1,409.6	748.2	1,648.7	2,063.5
Angola	2,723.4	5,663.1	4,999.2	3,845.3	2,916.5	1,335.6	1,302.9	1,468.5	286.6
Iraq	1,931.8	949.3	2,617.1	2,641.9	3,478.0	1,361.0	927.5	1,223.8	1,763.1
Oman	1,202.5	673.8	3,922.6	3,265.7	3,405.4	2,103.9	900.3	1,100.2	1,625.5
other	4,117.3	3,858.2	2,988.2	2,320.6	2,998.3	1,308.3	2,277.1	2,939.0	5,815.4

F. Base Metals and Articles of Base Metal

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	24,522.4	27,252.1	23,319.1	21,986.2	23,351.0	19,235.5	16,824.6	20,503.8	22,453.1
Mainland China	2,761.8	4,475.9	3,640.1	4,465.0	5,740.2	4,345.9	4,093.2	4,604.8	4,379.6
Japan	6,039.5	6,403.5	5,895.5	5,686.2	5,350.3	4,241.0	3,767.1	4,526.7	4,958.3
Australia	1,586.5	1,678.3	1,181.3	1,061.9	1,006.4	1,689.9	1,035.7	1,358.6	1,243.4
Korea, Republic of	1,889.3	1,826.2	1,496.9	1,367.0	1,185.9	1,075.6	1,007.6	1,134.7	1,195.6
United States	1,753.9	2,297.0	2,000.1	1,643.3	1,501.2	966.8	848.3	913.4	1,378.6
Chile	1,811.5	1,829.0	1,582.2	1,329.9	1,400.2	1,090.1	653.7	881.6	827.7
India	294.0	408.1	319.2	484.6	500.8	411.0	467.6	878.5	640.6
other	8,386.0	8,334.0	7,204.0	5,948.4	6,666.0	5,415.1	4,951.6	6,205.5	7,829.3

11-15c. Value of Principal Imports by Origin (Continued)
G.Vehicles, Aircraft, Vessels and Associated Transport Equipment

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	7,584.9	8,762.6	9,249.2	9,298.5	10,871.3	11,829.6	11,316.0	11,769.2	12,049.1
Japan	2,294.3	2,643.8	2,705.2	2,724.6	2,548.9	2,580.9	2,756.6	2,779.3	3,087.7
U.S.A.	1,787.0	1,504.6	1,565.2	1,717.3	2,687.1	3,439.3	2,820.2	2,383.6	2,315.9
Germany	1,504.5	2,104.7	1,810.8	1,767.3	2,079.8	2,086.5	1,769.3	2,066.0	2,024.1
France	227.5	318.7	684.9	481.4	508.4	553.0	713.8	1,279.6	836.6
Mainland China	708.9	811.6	922.8	996.9	1,079.2	1,116.6	1,022.1	967.3	1,037.0
United Kingdom	117.2	170.6	165.4	185.5	251.7	280.8	267.5	301.8	275.8
Korea, Rep. of	214.5	229.2	256.0	271.8	280.6	263.6	226.2	233.0	210.8
Others	731.2	979.5	1,138.9	1,153.6	1,435.5	1,508.8	1,740.3	1,758.6	2,261.1

H. Chemicals

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	29,858.9	34,403.7	30,487.3	31,180.4	30,345.9	25,636.7	24,991.5	27,858.4	30,364.0
Japan	8,695.9	9,365.2	8,340.8	7,807.2	7,156.9	6,024.8	6,268.3	6,793.9	7,648.6
Mainland China	4,127.9	4,924.8	4,234.0	4,459.1	5,019.5	4,574.5	4,387.1	4,355.8	4,486.9
U.S.A.	3,604.0	4,078.2	3,813.8	4,065.2	3,900.4	3,476.1	3,497.8	3,638.3	4,044.9
Korea, Rep. of	2,731.2	3,565.5	2,848.0	3,010.7	2,726.0	2,120.3	2,088.6	2,612.7	3,216.1
Germany	2,271.4	2,279.1	2,103.3	2,441.0	2,467.6	2,228.7	2,080.1	2,255.8	2,318.5
France	551.8	638.9	611.8	699.2	762.1	672.0	706.7	794.5	869.5
Saudi Arabia	1,073.9	1,489.3	1,627.7	1,559.0	1,302.1	798.2	584.5	750.2	801.0
Singapore	673.1	675.5	505.8	589.6	583.9	525.2	447.8	677.6	725.1
Others	6,129.8	7,387.1	6,402.0	6,549.4	6,427.4	5,217.0	4,930.7	5,979.7	6,253.3

11-15d. Value of Principal Imports by Origin (Continued)

I. Machinery and Electrical Equipment

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	88,535.8	91,893.2	84,121.3	86,789.8	88,576.3	84,106.4	91,983.2	101,947.7	110,654.6
Mainland China	19,870.3	22,998.6	22,647.9	23,273.5	25,667.6	24,718.2	24,740.4	29,888.0	32,767.8
Japan	23,192.3	21,662.7	19,211.3	16,747.9	16,134.6	16,283.9	18,298.5	18,034.6	18,226.2
U.S.A.	10,463.4	9,823.7	9,063.3	10,389.5	9,687.2	10,206.5	11,821.0	12,880.2	12,619.9
Korea, Rep.of	8,123.4	8,701.3	5,922.4	6,075.0	6,985.7	6,380.6	7,380.1	9,325.0	10,939.8
Singapore	5,205.3	5,287.5	5,768.8	6,122.2	6,091.7	5,326.9	5,494.8	6,059.0	5,989.2
Malaysia	3,039.9	2,907.2	2,801.2	2,687.0	3,089.3	3,069.7	2,879.4	3,248.3	4,107.4
Germany	2,843.6	3,519.9	2,456.7	2,545.1	3,211.8	2,670.1	2,905.9	2,997.7	3,590.0
Netherlands	2,329.2	2,102.0	2,434.5	3,560.1	1,936.4	1,918.8	3,184.5	2,532.6	2,914.5
Thailand	1,854.5	1,908.8	1,413.5	1,562.2	1,887.6	1,819.3	1,745.9	1,887.8	1,956.2
Philippines	1,535.8	1,543.3	1,354.8	1,452.7	1,610.7	1,499.4	1,498.0	1,660.7	1,729.3
Others	10,078.2	11,438.0	11,046.8	12,374.7	12,273.6	10,212.8	12,034.7	13,433.9	15,814.3

J. Electronic Integrated Circuits

Unit: US\$ million

Origin	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	33,315.1	34,601.7	31,909.6	33,115.2	34,946.5	32,581.6	36,316.8	43,564.1	50,811.4
Mainland China	4,880.6	4,652.4	5,040.5	5,394.7	6,623.1	6,206.4	6,841.0	9,508.5	11,405.7
Korea, Rep.of	5,631.0	6,631.3	4,252.9	4,386.7	5,013.5	4,531.1	5,426.5	7,381.9	8,987.0
Japan	6,518.8	6,414.6	6,524.8	5,528.8	4,787.7	5,369.5	6,138.5	6,226.5	6,774.2
U.S.A.	2,982.5	3,079.0	2,702.8	3,511.5	2,919.6	3,042.3	3,743.2	4,214.1	4,241.7
Singapore	4,001.7	3,781.4	4,055.8	4,342.5	4,401.4	3,629.1	3,165.3	3,658.2	3,904.6
Malaysia	1,724.8	1,743.6	1,567.8	1,513.0	1,800.4	1,875.8	1,747.1	2,036.7	2,732.8
Philippines	1,148.9	1,217.1	1,021.6	1,015.8	1,018.7	935.7	1,001.1	1,013.7	1,085.0
Germany	313.3	431.8	444.1	493.5	991.1	768.3	963.9	823.0	990.7
Others	6,113.5	6,650.5	6,299.2	6,928.6	7,390.9	6,223.3	7,290.2	8,701.4	10,689.6

11-16a. Imports by Countries of Origin

A. Japan

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	52,910.3	53,148.7	48,341.8	43,689.9	41,984.4	38,865.2	40,621.6	41,943.2	44,136.1
Textiles & textile articles	242.2	287.3	250.6	222.1	200.5	185.5	181.9	176.7	183.8
Machinery & electrical equipment	23,192.3	21,662.7	19,211.3	16,747.9	16,134.6	16,283.9	18,298.5	18,034.6	18,226.2
Vehicles, Aircraft, Vessels and Associated Transport Equipment	2,294.3	2,643.8	2,705.2	2,724.6	2,548.9	2,580.9	2,756.6	2,779.3	3,087.7
Chemicals	8,696.0	9,365.2	8,340.8	7,807.2	7,156.9	6,024.8	6,268.3	6,793.9	7,648.6
Base metals & articles of base metal	6,039.5	6,403.5	5,895.5	5,686.2	5,350.3	4,241.0	3,767.1	4,526.7	4,958.3
Others	12,446.2	12,786.2	11,938.4	10,501.7	10,593.2	9,549.0	9,349.2	9,631.9	10,031.5

B. Mainland China

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	36,255.2	44,094.8	41,431.4	43,345.5	49,254.4	45,266.0	43,990.8	50,042.7	53,783.5
Chemicals	4,127.9	4,924.8	4,234.0	4,459.1	5,019.5	4,574.5	4,387.1	4,355.8	4,486.9
Textiles & textile articles	948.8	1,159.3	1,204.7	1,315.4	1,486.8	1,525.0	1,432.8	1,446.4	1,564.8
Base metals & articles of base metal	2,761.8	4,475.9	3,640.1	4,465.0	5,740.2	4,345.9	4,093.2	4,604.8	4,379.6
Parts of electronic product	6,789.4	6,886.7	7,378.9	7,676.8	9,246.6	8,752.4	9,228.7	12,050.4	14,174.8
Machinery	2,302.1	2,620.4	2,530.2	2,805.1	3,193.9	3,094.1	3,328.6	3,345.0	3,864.4
Electrical machinery products	3,585.4	4,495.0	4,247.9	3,706.5	3,396.3	3,234.3	3,045.5	3,326.6	3,791.6
Information, communication audio-video products	6,920.0	8,635.3	8,099.4	8,670.9	9,386.9	9,199.2	8,637.1	10,641.9	10,351.9
Others	8,819.8	10,897.4	10,096.1	10,246.8	11,784.1	10,540.6	9,837.8	10,271.9	11,169.7

Source: See Table 11-2a.

11-16b. Imports by Countries of Origin (Continued)

C. United States

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	26,799.0	27,767.2	25,701.1	28,410.0	30,036.4	29,196.2	28,597.2	30,236.8	34,715.6
Vegetable products	2,121.0	2,433.1	1,919.6	1,673.5	2,063.3	1,835.7	1,756.7	1,934.1	2,333.5
Chemicals	3,604.0	4,078.2	3,813.8	4,065.2	3,900.4	3,476.1	3,497.8	3,638.3	4,044.9
Plastics, rubber & articles thereof	999.0	1,249.3	1,065.7	1,057.9	1,107.5	1,019.9	882.9	1,036.1	1,124.5
Parts of electronic product	3,155.6	3,231.2	2,874.6	3,687.0	3,087.1	3,226.6	3,880.9	4,317.4	4,348.0
Machinery	6,351.6	5,558.4	5,114.6	5,613.1	5,532.6	6,101.9	6,999.8	7,546.5	7,206.9
Vehicles, aircraft, vessels & associated transport equipment	1,787.0	1,504.6	1,565.2	1,717.3	2,687.1	3,439.3	2,820.2	2,383.6	2,315.9
Precision, measuring, checking, medical or surgical instruments	1,854.3	1,846.3	1,754.2	1,732.6	1,742.4	2,053.3	2,101.1	2,015.3	2,188.2
Others	6,926.4	7,866.0	7,593.2	8,863.3	9,915.9	8,043.4	6,657.9	7,365.4	11,153.6

D. Republic of Korea

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	16,223.5	18,186.4	15,304.6	16,162.5	15,289.1	13,450.2	14,650.5	16,894.2	19,529.5
Mineral products	794.7	1,366.8	2,365.9	2,764.3	1,643.2	1,386.5	1,930.3	1,523.0	1,770.1
Chemicals	2,731.2	3,565.5	2,848.0	3,010.7	2,726.0	2,120.3	2,088.6	2,612.7	3,216.1
Plastics, rubber & articles thereof	706.8	723.3	676.7	664.8	694.1	562.0	479.1	533.1	573.6
Base metals & articles of base metal	1,889.3	1,826.2	1,496.9	1,367.0	1,185.9	1,075.6	1,007.6	1,134.7	1,195.6
Machinery & electrical equipment	8,123.4	8,701.3	5,922.4	6,075.0	6,985.7	6,380.6	7,380.1	9,325.0	10,939.8
Others	1,978.1	2,003.3	1,994.8	2,280.9	2,054.2	1,925.2	1,764.8	1,765.7	1,834.3

11-16c. Imports by Countries of Origin (Continued)

E. Saudi Arabia

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	11,862.9	13,875.7	14,798.5	15,636.1	13,722.0	7,327.0	5,795.9	6,865.4	8,632.2
Mineral products	10,636.4	12,146.3	12,757.5	13,652.8	11,761.0	6,021.9	4,857.1	5,704.4	7,343.1
Chemicals	1,073.9	1,489.3	1,627.7	1,559.0	1,302.1	798.2	584.5	750.2	801.0
Plastics, rubber & articles thereof	108.2	203.4	330.6	335.7	366.7	260.7	201.6	226.0	251.0
Base metals & articles of base metal	37.6	31.7	77.6	85.7	286.3	242.0	148.7	177.3	231.7
Others	6.8	5.0	5.0	2.9	5.9	4.1	4.1	7.6	5.4

F. Australia

Unit: US\$ million

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	9,036.5	10,991.3	9,462.2	8,105.5	7,586.2	6,857.8	6,089.4	8,219.1	9,555.8
Live animals; animal products	276.6	370.6	351.7	335.5	376.0	319.0	325.3	363.9	338.2
Vegetable products	155.3	196.7	207.7	167.4	163.9	150.7	153.5	159.9	145.2
Mineral products	6,296.4	8,013.9	7,018.5	5,855.8	5,337.9	4,176.5	4,045.7	5,807.3	7,331.4
Chemicals	189.8	205.2	193.3	177.1	168.2	147.4	151.5	140.7	112.8
Base metals & articles of base metal	1,586.5	1,678.3	1,181.3	1,061.9	1,006.4	1,689.9	1,035.7	1,358.6	1,243.4
Others	531.9	526.6	509.8	507.9	533.9	374.3	377.9	388.7	384.7

**12. EXTERNAL RESOURCES
AND
OUTWARD INVESTMENT**

12-1. Direct Foreign Debt of Central Government

Item	Amount per Agreement	Amount of Disbursement	Principal Repaid	Outstanding Balance
Total of Loans (in US\$1,000):	0	0	0	0
Principal Direct Obligations:				
International Development Association (US\$1,000)	0	0	0	0

Note: Taiwan repaid all outstanding direct foreign debt of central government on September 15, 2011.

Source: The Ministry of Finance, R.O.C., *The Republic of China Monthly Statistics of Finance*, April 2019.

12-2. Approved Investment in Taiwan from Overseas Chinese, Foreign Nationals, and Mainland China

Unit: US\$1,000

Period	Total		Overseas Chinese		Foreign Nationals		Mainland China	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1952-2018)	55,179	169,122,966	3,216	4,204,135	50,735	162,731,040	1,228	2,187,791
1952	5	1,067	5	1,067	0	0	-	-
1955	5	4,599	3	176	2	4,423	-	-
1960	14	15,473	6	1,135	8	14,338	-	-
1965	66	41,610	30	6,470	36	35140	-	-
1970	151	139,866	80	29,733	71	110,133	-	-
1975	87	130,175	44	47,235	43	82,940	-	-
1980	110	465,964	39	222,584	71	243,380	-	-
1985	174	702,459	67	41,757	107	660,702	-	-
1990	461	2,301,772	85	220,115	376	2,081,657	-	-
1995	413	2,925,340	43	168,554	370	2,756,786	-	-
1996	500	2,460,836	52	170,451	448	2,290,385	-	-
1997	683	4,266,629	44	387,463	639	3,879,166	-	-
1998	1,140	3,738,758	81	184,721	1,059	3,554,037	-	-
1999	1,089	4,231,404	36	132,380	1,053	4,099,024	-	-
2000	1,410	7,607,755	40	50,383	1,370	7,557,372	-	-
2001	1,178	5,128,518	33	47,223	1,145	5,081,295	-	-
2002	1,142	3,271,749	25	44,958	1,117	3,226,791	-	-
2003	1,078	3,575,674	22	14,917	1,056	3,560,757	-	-
2004	1,149	3,952,147	19	13,739	1,130	3,938,408	-	-
2005	1,131	4,228,068	12	10,318	1,119	4,217,750	-	-
2006	1,846	13,969,247	30	45,264	1,816	13,923,983	-	-
2007	2,267	15,361,173	29	20,949	2,238	15,340,224	-	-
2008	1,845	8,237,115	17	33,680	1,828	8,203,435	-	-
2009	1,734	4,835,377	15	8,898	1,696	4,788,993	23	37,486
2010	2,121	3,905,911	22	12,886	2,020	3,798,680	79	94,345
2011	2,388	5,007,059	19	51,533	2,264	4,903,901	105	51,625
2012	2,876	5,890,564	34	11,662	2,704	5,547,319	138	331,583
2013	3,344	5,282,930	20	8,971	3,186	4,924,480	138	349,479
2014	3,713	6,104,655	43	18,811	3,534	5,751,213	136	334,631
2015	3,959	5,040,914	49	14,844	3,740	4,782,003	170	244,067
2016	3,572	11,284,689	33	10,827	3,381	11,026,234	158	247,628
2017	3,555	7,778,896	28	9,400	3,387	7,503,791	140	265,705
2018	3,762	11,671,476	31	11,772	3,590	11,428,462	141	231,242

Note: The same investor increase of investment in the invested enterprise is not counted in the cases.

Source: Investment Commission, Ministry of Economic Affairs, R.O.C., *Statistics on Overseas Chinese & Foreign Investment, investment from the Mainland China Area, Outward Investment, and Investment to the Mainland China Area*, April 2019.

12-3. Approved Investment in Taiwan from Overseas Chinese by Area

Unit: US\$1,000

Period	Total		Hong Kong		Japan		Philippines		Others	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1952-2018)	3,216	4,204,135	1,357	1,060,391	257	197,682	199	1,141,127	1,403	1,804,935
1952	5	1,067	5	1,067	0	0	0	0	0	0
1955	3	176	1	30	1	141	0	0	1	5
1960	6	1,135	4	714	0	194	0	0	2	227
1965	30	6,470	19	2,707	2	304	4	2,138	5	1,321
1970	80	29,733	51	8,343	10	1,243	8	7,747	11	12,400
1975	44	47,235	21	29,532	6	2,969	6	5,996	11	8,738
1980	39	222,584	15	17,949	3	3,061	1	7,745	20	193,829
1985	67	41,757	23	11,216	3	888	5	15,572	36	14,081
1990	85	220,115	32	47,111	5	12,146	3	91,806	45	69,052
1995	43	168,554	17	47,701	1	3,404	3	82,708	22	34,741
1996	52	170,451	32	34,848	0	432	0	116,504	20	18,667
1997	44	387,463	22	73,521	3	2,964	1	260,832	18	50,146
1998	81	184,721	4	18,763	6	4,306	2	70,389	69	91,263
1999	36	132,380	6	85,986	1	5,693	3	5,690	26	35,011
2000	40	50,383	5	27,322	5	2,544	0	236	30	20,281
2001	33	47,223	4	17,943	1	133	0	357	28	28,791
2002	25	44,958	3	1,418	2	567	2	406	18	42,566
2003	22	14,917	4	3,685	0	384	0	70	18	10,778
2004	19	13,739	5	2,595	1	413	1	363	12	10,369
2005	12	10,318	0	653	1	1,235	1	277	10	8,153
2006	30	45,264	0	4,637	6	3,218	4	5,016	20	32,393
2007	29	20,949	1	679	2	3,080	1	1,115	25	16,074
2008	17	33,680	0	1,741	2	3,861	1	13,135	14	14,943
2009	15	8,898	1	550	0	0	0	1,819	14	6,528
2010	22	12,886	0	2,953	2	510	1	1,904	19	7,519
2011	19	51,533	0	23	2	164	0	562	17	50,785
2012	34	11,662	0	45	0	65	1	1,261	33	10,291
2013	20	8,971	0	676	2	151	1	1,966	17	6,178
2014	43	18,811	0	115	0	1,456	1	2,196	42	15,002
2015	49	14,844	0	52	0	236	0	0	49	14,556
2016	33	10,827	0	0	4	428	0	279	29	10,120
2017	28	9,400	0	0	0	193	0	0	28	9,207
2018	31	11,772	0	0	1	213	0	0	30	11,559

Note: See Table 12-2

Source: See Table 12-2

12-4. Approved Investment in Taiwan from Foreign Nationals by Area

Unit: US\$1,000

Period	Total		U.S.A.		Japan		Europe		Others	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1952-2018)	50,735	162,731,040	6,133	23,364,780	10,231	21,037,587	4,754	52,563,636	29,617	65,765,038
1952	0	0	0	0	0	0	0	0	0	0
1955	2	4,423	2	4,423	0	0	0	0	0	0
1960	8	14,338	5	14,029	3	309	0	0	0	0
1965	36	35,140	17	31,104	14	2,081	1	43	4	1,912
1970	71	110,133	16	68,783	51	28,531	4	11,694	0	1,125
1975	43	82,940	12	41,857	22	23,234	2	4,193	7	13,656
1980	71	243,380	15	110,093	35	86,081	11	14,428	10	32,778
1985	107	660,702	42	332,760	32	145,236	12	100,010	21	82,696
1990	376	2,081,657	61	540,366	179	826,801	49	282,681	87	431,809
1995	370	2,756,786	67	1,275,623	157	569,414	39	334,887	107	576,862
1996	448	2,290,385	63	474,016	171	545,344	55	199,961	159	1,071,064
1997	639	3,879,166	104	454,319	166	851,139	80	405,812	289	2,167,896
1998	1,059	3,554,037	208	867,198	228	535,371	131	367,416	492	1,784,052
1999	1,053	4,099,024	207	1,114,693	230	508,434	109	460,175	507	2,015,722
2000	1,370	7,557,372	206	1,315,518	312	730,325	130	1,213,388	722	4,298,141
2001	1,145	5,081,295	147	915,597	241	684,724	129	1,184,003	628	2,296,970
2002	1,117	3,226,791	152	573,646	211	608,106	120	612,317	634	1,432,722
2003	1,056	3,560,757	153	678,091	203	725,689	90	643,932	610	1,513,045
2004	1,130	3,938,408	157	352,312	227	826,517	118	964,618	628	1,794,962
2005	1,119	4,217,750	133	799,230	213	723,164	122	684,833	651	2,010,522
2006	1,816	13,923,983	266	857,378	307	1,587,874	199	7,509,586	1,044	3,969,145
2007	2,238	15,340,224	293	3,138,438	356	996,553	236	7,096,351	1,353	4,108,882
2008	1,828	8,203,435	275	2,848,297	298	435,806	195	2,139,358	1,060	2,779,975
2009	1,696	4,788,993	277	260,599	266	238,961	136	2,085,094	1,017	2,204,338
2010	2,020	3,798,680	228	315,394	338	399,984	174	1,230,653	1,280	1,852,648
2011	2,264	4,903,901	295	689,764	439	444,703	183	715,806	1,347	3,053,628
2012	2,704	5,547,319	285	401,957	619	414,265	238	1,721,532	1,562	3,009,565
2013	3,186	4,924,480	293	580,633	616	408,533	265	686,183	2,012	3,249,132
2014	3,534	5,751,213	264	143,445	488	547,307	267	1,477,948	2,515	3,582,513
2015	3,740	4,782,003	253	127,655	471	453,161	294	1,025,481	2,722	3,175,706
2016	3,381	11,026,234	239	138,174	454	346,447	345	7,268,612	2,343	3,273,001
2017	3,387	7,503,791	268	211,717	418	640,449	273	3,396,929	2,428	3,254,696
2018	3,590	11,428,462	255	261,243	524	1,525,189	313	6,767,254	2,498	2,874,776

Note: See Table 12-2

Source: See Table 12-2

12-5. Approved Investment in Taiwan from Overseas Chinese and Foreign Nationals by Industry
(1952-2018)

Unit: US\$1,000

Industry	Total		Overseas Chinese		Foreign	
	Cases	Amount	Cases	Amount	Cases	Amount
Total	53,951	166,935,175	3,216	4,204,135	50,735	162,731,040
1. Agriculture, Forestry, Fishery and Animal Husbandry	201	211,803	73	28,057	128	183,746
2. Food, Beverage, and Tobacco Manufacturing	900	2,142,003	127	74,701	773	2,067,302
3. Textile Mills	251	860,546	76	225,997	175	634,549
4. Chemicals	1,081	7,881,118	121	108,263	960	7,772,855
5. Rubber and Plastic Products Manufacturing	647	1,362,224	153	64,382	494	1,297,842
6. Non-metallic Mineral Products Manufacturing	370	3,975,950	105	299,650	265	3,676,300
7. Basic Metal and Fabricated Metal Manufacturing	1,291	5,267,643	118	133,593	1,173	5,134,050
8. Machinery and Equipment Manufacturing	1,645	6,191,285	84	69,329	1,561	6,121,956
9. Electronic Parts and Components Manufacturing	3,221	28,534,355	30	18,470	3,191	28,515,885
10. Computer, Electronic and Optical Products	1,768	7,258,944	38	58,692	1,730	7,200,252
11. Electrical Equipment Manufacturing	1,544	6,466,418	179	161,751	1,365	6,304,667
12. Construction	1,086	1,841,036	174	143,671	912	1,697,365
13. Wholesale and Retail Trade	16,457	17,452,432	313	103,006	16,144	17,349,426
14. Transportation and Storage	693	1,852,832	102	201,736	591	1,651,096
15. Accommodation and Food Services	3,500	2,286,148	469	122,754	3,031	2,163,394
16. Information and Communications	3,021	8,030,494	39	64,031	2,982	7,966,464
17. Finance, Insurance and Real Estate	6,427	47,895,284	203	1,446,745	6,224	46,448,539
18. Professional, Scientific and Technical Services	4,743	7,161,400	308	606,125	4,435	6,555,274
19. Others	5,105	10,263,260	504	273,182	4,601	9,990,078

Note: See Table 12-2

Source: See Table 12-2

12-6. Approved Outward Investment by Area

Unit: US\$1,000

Period	Total		Americas		Asia		Europe		Others	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1952-2018)	16,440	138,655,062	5,573	17,404,095	5,759	53,512,046	905	9,147,428	4,203	58,591,493
1952	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	0	0	0
1965	7	971	0	0	7	971	0	0	0	0
1970	5	527	0	0	5	527	0	0	0	0
1975	5	2,419	0	854	5	1,565	0	0	0	0
1980	17	42,105	8	35,130	6	3,170	1	1,000	2	2,805
1985	23	41,334	16	35,830	6	4,206	0	891	1	407
1990	315	1,552,206	137	838,711	154	602,910	21	96,176	3	14,409
1995	339	1,356,878	134	787,105	175	467,721	16	59,890	14	42,162
1996	470	2,165,404	245	1,442,953	197	661,717	15	21,375	13	39,359
1997	759	2,893,826	521	1,915,948	204	818,743	26	131,235	8	27,900
1998	896	3,296,302	609	2,636,946	225	580,819	51	33,903	11	44,634
1999	774	3,269,013	555	2,267,710	153	836,378	49	82,382	17	82,543
2000	1,391	5,077,062	1,094	3,946,021	222	851,065	46	125,432	29	154,544
2001	1,387	4,391,654	1,080	3,460,901	221	814,981	45	46,870	41	68,902
2002	925	3,370,046	654	2,475,574	183	530,055	31	154,416	57	210,001
2003	714	3,968,588	402	2,731,271	188	1,063,915	40	76,724	84	96,678
2004	658	3,382,022	372	1,881,380	183	1,275,089	35	61,913	68	163,640
2005	521	2,447,449	263	1,618,228	168	430,673	33	299,314	57	99,234
2006	478	4,315,426	236	2,336,558	175	1,390,621	31	463,800	36	124,447
2007	464	6,469,978	207	3,162,956	167	2,366,606	20	418,200	70	522,216
2008	387	4,466,491	140	2,116,235	156	2,046,998	35	137,688	56	165,571
2009	251	3,005,554	89	1,959,069	117	765,457	16	99,541	29	181,487
2010	247	2,823,451	84	1,290,803	118	1,391,363	13	50,603	32	90,682
2011	306	3,696,827	110	1,781,012	140	1,723,918	14	39,251	42	152,646
2012	321	8,098,641	88	468,700	192	7,151,518	26	71,488	15	406,935
2013	373	5,232,266	143	819,235	176	2,894,581	25	168,902	29	1,349,548
2014	493	7,293,683	192	3,426,017	228	2,482,274	27	936,295	46	449,097
2015	462	10,745,195	149	3,454,444	226	4,660,671	40	2,511,362	47	118,718
2016	496	12,123,094	176	3,274,714	225	7,488,020	38	1,136,968	57	223,393
2017	502	11,573,208	182	6,950,494	233	3,569,422	35	232,715	52	820,577
2018	638	14,294,562	83	2,038,975	366	3,648,830	36	1,287,424	153	7,319,333

Note: See Table 12-2
Source: See Table 12-2

12-7. Approved Outward Investment by Industry
(1952-2018)

Unit: US\$1,000

Industry	Cases	Amount
Total	16,440	138,655,062
1. Agriculture, Forestry, Fishery and Animal Husbandry	61	103,368
2. Food, Beverage, and Tobacco Manufacturing	182	681,967
3. Textile Mills	333	2,849,937
4. Chemicals	622	3,418,754
5. Rubber and Plastic Products Manufacturing	248	2,263,307
6. Non-metallic Mineral Products Manufacturing	214	1,198,165
7. Basic Metal and Fabricated Metal Manufacturing	277	8,501,733
8. Machinery and Equipment Manufacturing	243	1,516,024
9. Electronic Parts and Components Manufacturing	1,844	16,347,101
10. Computer, Electronic and Optical Products	1,451	3,667,285
11. Electrical Equipment Manufacturing	365	1,279,249
12. Construction	99	227,008
13. Wholesale and Retail Trade	2,951	9,773,956
14. Transportation and Storage	180	3,183,673
15. Accommodation and Food Services	68	254,959
16. Information and Communications	1,660	3,103,769
17. Finance, Insurance and Real Estate	3,092	69,398,688
18. Professional, Scientific and Technical Services	400	1,384,221
19. Others	2,150	9,501,897

Note: See Table 12-2

Source: See Table 12-2

12-8a. Principal Statistics on Approved Investment in Mainland China

(By Industry)

Unit: US\$1,000

Period	Total		Agriculture, Forestry, Fishery and Animal Husbandry		Food, Beverage, and Tobacco Manufacturing		Textile Mills, Wearing Apparel and Clothing Accessories Manufacturing		Chemical Material and Chemical Products Manufacturing		Plastic and Rubber Products Manufacturing	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1991-2018)	43,315	182,339,091	566	344,327	2,759	4,281,033	2,439	3,642,247	2,148	10,942,777	2,840	7,866,564
1991	237	174,158	0	0	19	19,308	31	26,823	8	2,907	48	49,007
1992	264	246,992	0	0	27	46,415	40	31,757	15	11,700	29	43,000
1993	9,329	3,168,411	152	29,568	791	324,555	900	280,068	527	159,360	683	295,168
1994	934	962,209	13	9,464	73	145,846	68	66,938	78	86,234	74	81,518
1995	490	1,092,713	4	2,149	32	117,447	38	80,701	28	86,566	33	97,399
1996	383	1,229,241	3	7,100	30	121,702	25	107,181	23	91,604	32	85,475
1997	8,725	4,334,313	210	48,646	1,151	333,073	579	275,306	513	212,539	674	388,817
1998	1,284	2,034,621	24	21,025	57	70,045	70	140,673	79	132,499	80	122,339
1999	488	1,252,780	5	4,629	19	58,250	19	40,406	33	138,705	28	105,470
2000	840	2,607,142	6	5,752	10	43,253	26	57,192	30	105,578	50	193,310
2001	1,186	2,784,147	6	10,389	26	58,420	42	91,799	37	154,214	78	214,511
2002	3,116	6,723,058	47	28,670	93	152,939	126	203,063	192	456,091	215	520,764
2003	3,875	7,698,784	54	37,270	105	353,050	190	407,793	199	568,553	294	486,929
2004	2,004	6,940,663	5	3,722	34	89,594	70	195,759	79	435,700	105	364,607
2005	1,297	6,006,953	4	7,893	28	53,430	56	188,853	57	359,399	53	356,874
2006	1,090	7,642,335	3	8,960	20	99,708	41	165,292	47	538,270	59	283,664
2007	996	9,970,545	8	17,104	14	71,648	35	160,771	9	249,254	62	681,808
2008	643	10,691,390	4	15,558	24	240,222	8	130,871	13	474,679	28	511,336
2009	590	7,142,593	0	7,188	42	365,671	14	117,335	18	291,570	23	362,273
2010	914	14,617,872	1	7,558	49	220,755	16	190,978	12	244,732	46	485,187
2011	887	14,376,624	1	4,478	19	266,452	10	113,333	41	1,035,727	34	441,338
2012	636	12,792,077	3	9,234	16	221,844	11	94,378	18	1,338,280	22	275,646
2013	554	9,190,090	1	2,225	32	244,701	1	24,827	23	370,482	23	239,635
2014	497	10,276,570	0	2,693	15	180,959	3	97,597	14	687,245	9	109,349
2015	427	10,965,485	0	2,200	7	75,010	2	175,740	13	189,542	20	262,599
2016	323	9,670,732	2	8,000	12	163,687	3	86,736	9	1,115,259	7	272,541
2017	580	9,248,862	4	16,815	10	61,435	4	33,833	14	593,472	15	134,322
2018	726	8,497,730	6	26,037	4	81,614	11	56,244	19	593,472	16	401,676

Note: See Table 12-2

Source: See Table 12-2

12-8b. Principal Statistics on Approved Investment in Mainland China (Continued)

(By Industry)

Unit: US\$1,000

Period	Non-metallic Mineral Products Manufacturing		Basic Metal Industries and Fabricated Metal Products Manufacturing		Machinery and Equipment Manufacturing		Electronic Parts and Components Manufacturing		Computers, Electronic and Optical Products Manufacturing		Electrical Equipment Manufacturing	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1991-2018)	1,628	8,521,912	3,417	12,395,081	2,148	6,730,282	3,013	33,684,289	2,886	24,732,654	3,217	11,263,389
1991	12	5,714	13	9,319	9	8,588	12	4,995	15	13,926	15	12,647
1992	9	4,476	19	9,164	4	5,546	1	1,528	22	11,269	14	23,060
1993	413	185,438	759	249,761	303	86,346	285	110,666	459	140,821	630	234,776
1994	37	82,607	77	86,578	57	49,023	35	40,769	54	48,264	72	74,714
1995	19	47,016	48	116,403	21	45,008	21	101,889	32	55,175	40	71,285
1996	12	35,940	36	126,723	23	54,894	20	88,429	22	115,059	31	85,695
1997	570	383,641	739	388,600	424	202,660	369	283,525	411	313,645	544	314,595
1998	65	87,872	117	131,326	88	118,900	73	281,402	107	341,687	142	160,820
1999	14	33,752	29	104,984	27	44,081	51	154,029	70	271,529	77	118,817
2000	8	83,524	94	179,726	38	72,545	104	412,348	137	698,776	133	427,457
2001	15	106,981	117	191,250	73	130,442	191	600,559	129	492,948	86	265,078
2002	93	214,841	249	619,153	200	286,238	209	1,087,523	341	1,062,716	319	629,683
2003	121	451,416	341	708,592	245	328,088	201	815,821	318	976,452	361	742,074
2004	47	421,313	131	714,526	129	213,734	121	1,482,225	194	1,139,980	159	593,254
2005	23	179,576	122	633,922	99	352,940	62	850,106	140	1,243,497	125	560,706
2006	23	386,827	91	620,432	75	214,726	94	1,618,566	111	1,472,132	105	664,726
2007	23	231,452	84	827,332	56	504,199	197	2,426,286	43	1,688,385	47	1,047,009
2008	14	223,749	34	1,025,837	20	473,594	169	2,051,917	25	1,783,302	23	1,065,871
2009	11	194,146	38	309,967	32	394,518	123	1,801,294	18	1,019,404	25	462,680
2010	24	791,772	47	744,193	31	502,675	164	4,854,424	39	1,235,374	54	682,822
2011	29	555,177	60	690,863	34	534,324	149	3,467,195	53	1,550,552	48	644,248
2012	6	357,355	39	446,913	36	446,256	58	1,948,057	36	1,522,422	38	437,579
2013	10	190,424	21	479,391	20	314,907	45	1,026,728	18	1,174,675	31	460,145
2014	8	683,346	18	614,248	28	317,773	61	1,613,022	21	1,330,215	23	300,655
2015	3	1,007,210	11	693,485	13	258,636	54	1,231,455	16	1,107,941	16	492,670
2016	6	330,793	17	386,519	16	245,307	35	1,573,079	14	2,088,569	9	193,699
2017	3	1,126,135	29	493,676	17	286,663	53	1,910,318	18	1,070,136	24	197,741
2018	10	119,420	37	792,197	30	237,671	56	1,846,135	23	763,804	26	298,883

12-8c. Principal Statistics on Approved Investment in Mainland China (Continued)

(By Industry)

Unit: US\$1,000

Period	Wholesale and Retail Trade		Transportation and Storage		Information and Communication		Finance, Insurance and Real Estate		Professional, Scientific and Technical Services		Others	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Total (1991-2018)	3,461	12,545,724	282	1,104,253	1,017	2,470,958	612	18,171,827	959	2,263,190	9,923	21,378,585
1991	1	200	0	0	0	0	0	0	0	0	54	20,724
1992	0	0	0	0	0	0	0	0	0	0	84	59,077
1993	170	70,755	35	4,992	15	3,340	18	4,046	58	7,667	3,131	981,084
1994	31	21,136	8	14,650	5	2,558	1	28	20	3,295	231	148,587
1995	32	56,190	6	14,212	4	1,475	1	100	7	2,321	124	197,377
1996	23	30,285	5	16,440	2	11,200	7	16,675	5	3,008	84	231,831
1997	287	124,902	15	30,283	26	4,601	39	67,755	93	8,473	2,081	953,252
1998	47	85,370	2	11,524	18	9,871	6	1,701	12	21,119	297	296,448
1999	26	19,748	5	8,049	12	7,347	3	19,435	7	2,103	63	121,446
2000	45	57,916	3	9,401	46	53,491	0	0	14	7,670	96	199,203
2001	110	117,211	8	16,512	106	55,077	17	3,512	19	6,713	126	268,531
2002	199	146,957	14	68,086	132	88,028	29	71,649	73	43,443	585	1,043,214
2003	255	175,404	30	25,597	86	65,402	90	279,616	71	18,507	914	1,258,220
2004	320	183,070	27	20,972	97	51,222	29	85,615	52	47,709	405	897,661
2005	143	274,288	14	99,039	79	106,252	19	48,363	50	25,519	223	666,296
2006	150	312,778	15	104,781	43	81,166	12	102,237	18	123,672	183	844,399
2007	138	411,902	8	36,136	62	151,269	17	131,595	20	58,497	173	1,275,898
2008	72	499,106	8	57,527	58	324,465	7	284,583	17	224,058	119	1,304,716
2009	82	743,150	9	31,210	27	106,845	4	65,917	8	17,011	116	852,415
2010	166	1,115,494	8	23,076	32	333,066	50	1,628,660	33	200,225	142	1,356,881
2011	149	1,232,720	11	94,265	23	282,532	46	1,669,426	44	175,290	136	1,618,704
2012	159	1,271,788	21	63,310	20	118,636	44	3,063,717	24	274,987	85	901,675
2013	151	1,035,940	6	24,904	21	222,877	29	2,190,283	39	163,385	83	1,024,559
2014	113	1,095,575	3	18,807	26	113,267	45	1,984,251	42	209,937	68	917,629
2015	116	679,942	5	42,278	12	116,468	25	3,105,420	41	263,995	73	1,260,895
2016	84	535,112	1	71,974	9	49,335	23	1,456,539	23	68,568	53	1,025,015
2017	183	1,059,867	6	37,801	23	64,061	20	1,222,193	66	141,600	91	798,794
2018	209	1,188,919	9	158,425	33	47,106	31	668,512	103	144,418	726	854,054

13. EDUCATION AND CULTURE

13-1. Number of Schools, Personnel, Students and Graduates

Unit: Schools; Persons

School Year	Number of Schools	Number of Personnel	Number of Students	Number of Graduates
1955-56	2,165	49,666	1,535,455	209,563
1960-61	2,961	76,993	2,375,328	329,672
1965-66	3,371	101,674	3,117,397	513,120
1970-71	4,036	137,844	3,991,574	774,045
1975-76	4,540	167,459	4,449,009	953,641
1980-81	5,097	193,722	4,597,765	1,013,340
1985-86	6,285	219,889	4,942,310	1,060,780
1990-91	6,743	246,220	5,279,864	1,169,877
1995-96	7,224	279,032	5,226,219	1,248,253
1996-97	7,357	285,743	5,191,219	1,247,121
1997-98	7,562	290,997	5,195,241	1,212,340
1998-99	7,731	297,950	5,215,773	1,205,087
1999-2000	7,915	305,681	5,241,641	1,237,248
2000-01	8,071	313,293	5,303,001	1,218,495
2001-02	8,158	317,715	5,354,091	1,251,011
2002-03	8,222	319,286	5,376,947	1,269,569
2003-04	8,252	321,768	5,385,135	1,246,864
2004-05	8,184	321,658	5,372,346	1,279,163
2005-06	8,287	324,690	5,319,364	1,262,636
2006-07	8,254	323,795	5,286,885	1,265,274
2007-08	8,202	326,026	5,243,062	1,275,265
2008-09	8,097	328,500	5,165,817	1,260,435
2009-10	8,060	328,309	5,065,962	1,230,261
2010-11	8,196	331,349	4,965,690	1,213,645
2011-12	8,100	332,640	4,860,022	1,217,508
2012-13	11,496	373,596	5,007,275	1,171,773
2013-14	11,426	375,976	4,859,558	1,121,216
2014-15	11,078	376,845	4,729,465	1,110,531
2015-16	10,948	374,061	4,616,078	1,059,904
2016-17	10,882	369,937	4,504,363	1,001,893
2017-18	10,884	369,448	4,403,690	990,824
2018-19	10,902	371,349	4,325,121	...

Note: (1) The figures in Tables 13-1 to 13-12 cover Taiwan, Kinmen and Matsu.

(2) After the "Early Childhood Education and Care Act" came into effect on January 1, 2012, kindergartens and child-care centers have been administered as preschools. Data for preschools prior to the school year 2011 is only that for kindergartens.

(3) The Senior High School Education Act has come into effect on August 1, 2014. Senior secondary continuing schools and evening divisions should be transformed into Continuing Education affiliated to senior secondary school after this Act has implemented. Therefore, the senior secondary continuing schools should be contributed to the number of the senior high school.

Source: The data are provided by the Ministry of Education, R.O.C. (Taiwan).

13-2. Number of Schools by Levels of Education

Unit: Schools

School Year	Total	Higher Education			Secondary Education	Primary Education	Preschool Education	Others
		University & College	Technical College	Religious College				
1955-56	2,165	15	-	-	250	1,446	413	41
1960-61	2,961	27	-	-	363	1,843	675	53
1965-66	3,371	56	-	-	551	2,143	555	66
1970-71	4,036	92	-	-	885	2,319	570	170
1974-75	4,400	100	-	-	968	2,354	660	318
1975-76	4,540	101	-	-	977	2,376	762	324
1980-81	5,097	104	-	-	1,023	2,428	1,186	356
1985-86	6,285	105	-	-	1,052	2,486	2,210	432
1990-91	6,743	121	45	76	1,086	2,487	2,505	544
1995-96	7,224	134	53	81	1,123	2,523	2,581	863
1996-97	7,357	137	57	80	1,138	2,519	2,660	903
1997-98	7,562	139	58	81	1,151	2,540	2,777	955
1998-99	7,731	137	58	79	1,158	2,557	2,874	1,005
1999-2000	7,915	141	58	83	1,171	2,583	3,005	1,015
2000-01	8,071	150	65	85	1,174	2,600	3,150	997
2001-02	8,158	154	68	86	1,181	2,611	3,234	978
2002-03	8,222	154	68	86	1,188	2,627	3,275	978
2003-04	8,252	158	70	88	1,192	2,638	3,306	958
2004-05	8,184	159	70	89	1,196	2,646	3,252	931
2005-06	8,287	162	70	92	1,203	2,655	3,351	916
2006-07	8,254	163	70	93	1,210	2,651	3,329	901
2007-08	8,202	164	71	93	1,216	2,651	3,283	888
2008-09	8,097	162	69	93	1,217	2,654	3,195	869
2009-10	8,060	164	71	93	1,226	2,658	3,154	858
2010-11	8,196	165	71	92	1,231	2,661	3,283	856
2011-12	8,100	165	71	92	1,233	2,659	3,195	848
2012-13	11,496	165	71	91	1,235	2,657	6,611	828
2013-14	11,426	164	70	91	1,237	2,650	6,560	815
2014-15	11,078	161	71	88	1,241	2,644	6,468	564
2015-16	10,948	161	71	87	1,239	2,633	6,362	553
2016-17	10,882	163	71	87	1,242	2,630	6,310	537
2017-18	10,884	162	70	87	1,243	2,630	6,323	526
2018-19	10,902	159	70	83	1,250	2,631	6,348	514

Note: (1) From school year 2010, the data for higher education in Tables 13-2 to 13-12 includes that for religious colleges.

(2) See note (2) of Table 13-1.

(3) See note (3) of Table 13-1. The evening division and the practical technical program should be affiliated to the senior secondary school.

Source: See Table 13-1.

13-3. Number of School Personnel by Levels of Education

Unit: Persons

School Year	Total	Higher Education		Secondary Education		Primary Education		Preschool Education	Others
		Teaching	Non-teaching	Teaching	Non-teaching	Teaching	Non-teaching		
1955-56	49,666	1,650	1,759	10,200	3,599	27,061	3,378	1,163	856
1960-61	76,993	3,149	2,359	16,712	5,550	41,397	4,047	2,575	1,204
1965-66	101,674	5,622	3,789	26,378	6,909	53,522	1,088	2,681	1,685
1970-71	137,844	10,377	6,146	44,283	10,058	59,489	1,214	3,059	3,218
1975-76	167,459	13,606	7,497	60,384	12,552	62,803	1,407	4,733	4,477
1980-81	193,722	16,495	8,926	69,698	13,353	69,141	1,609	8,565	5,935
1985-86	219,889	20,848	10,260	76,563	14,844	72,287	2,349	17,349	5,389
1990-91	246,220	27,579	9,542	84,260	15,031	82,583	3,247	19,032	4,946
1995-96	279,032	36,348	11,009	96,222	16,556	87,934	5,076	19,911	5,976
1996-97	285,743	37,779	11,634	98,437	16,756	90,127	5,095	19,805	6,110
1997-98	290,997	38,806	12,133	99,411	16,986	92,104	5,308	20,019	6,230
1998-99	297,950	40,149	13,172	98,857	17,194	95,029	5,323	21,750	6,476
1999-2000	305,681	41,949	14,176	98,709	17,402	98,745	6,056	22,297	6,347
2000-01	313,293	43,391	15,068	98,677	17,539	101,581	6,277	24,482	6,278
2001-02	317,715	44,769	15,595	98,609	17,590	103,501	7,114	24,222	6,315
2002-03	319,286	46,042	16,469	97,710	17,111	104,300	6,909	24,453	6,292
2003-04	321,768	47,472	17,401	97,738	17,105	103,803	7,018	25,228	6,003
2004-05	321,658	48,649	17,858	97,432	16,933	102,882	7,081	25,066	5,757
2005-06	324,690	49,601	18,701	98,499	17,019	101,662	7,558	26,086	5,564
2006-07	323,795	50,388	19,408	100,498	17,007	100,692	7,304	23,728	4,770
2007-08	326,026	51,128	20,385	102,333	16,907	101,360	7,349	21,847	4,717
2008-09	328,500	51,501	23,041	103,006	17,076	100,206	7,489	21,393	4,788
2009-10	328,309	50,658	23,794	104,064	17,234	99,155	7,681	20,911	4,812
2010-11	331,349	50,710	27,292	105,128	17,334	99,562	7,925	18,660	4,738
2011-12	332,640	50,353	29,834	104,583	17,111	98,559	8,046	19,456	4,698
2012-13	373,596	50,184	30,469	106,197	17,155	97,466	8,322	59,125	4,678
2013-14	375,976	50,056	30,689	107,338	17,415	97,436	8,621	59,848	4,573
2014-15	376,845	49,376	30,734	107,853	17,729	98,580	8,805	60,434	3,334
2015-16	374,061	48,723	30,704	105,734	17,628	97,368	8,936	61,617	3,351
2016-17	369,937	48,143	31,169	102,638	17,614	95,081	8,985	62,942	3,365
2017-18	369,448	47,462	31,606	100,732	17,445	94,403	9,032	65,410	3,358
2018-19	371,349	46,858	31,644	99,380	17,282	95,664	9,096	68,126	3,299

Note: (1) Since 1961-62, school principals and directors of school affairs have been classified as teachers.

(2) See note (2) of Table 13-1.

(3) See note (3) of Table 13-2. The personnel of senior secondary continuing schools should be contributed to the personnel number of the senior secondary school.

Source: See Table 13-1.

13-4. Number of Classes in Elementary and Secondary Schools

Unit: Classes

School Year	Total	Secondary Education						Primary Education	Preschool Education	Others
		Senior High School	Senior Vocational School	Junior Vocational School	Normal School	Junior High School				
1955-56	29,969	4,456	639	483	895	155	2,284	24,127	1,039	347
1960-61	45,834	7,509	1,262	1,070	888	166	4,123	35,944	1,883	498
1965-66	59,028	13,049	2,419	1,677	906	79	7,968	43,338	1,833	808
1970-71	75,808	23,144	3,842	3,994	6	21	15,281	48,404	2,075	2,185
1975-76	86,558	30,324	4,004	6,367	-	45	19,908	49,322	2,796	4,116
1980-81	94,409	34,408	3,854	7,737	-	6	22,811	50,345	4,592	5,064
1985-86	103,164	36,703	3,981	9,224	-	-	23,498	52,732	7,668	6,061
1990-91	111,322	40,519	4,325	9,897	-	-	26,297	56,120	8,112	6,571
1995-96	116,327	44,606	5,638	11,114	-	-	27,854	55,554	8,645	7,522
2000-01	124,238	44,761	8,252	9,956	-	-	26,553	62,443	10,034	7,000
2005-06	124,355	45,155	10,280	8,129	-	-	26,746	62,634	10,713	5,853
2006-07	124,136	45,880	10,393	8,148	-	-	27,339	62,011	10,282	5,963
2007-08	124,322	46,469	10,372	8,208	-	-	27,889	61,655	10,173	6,025
2008-09	123,114	46,677	10,211	8,342	-	-	28,124	60,630	9,820	5,987
2009-10	121,986	46,956	10,112	8,512	-	-	28,332	59,478	9,602	5,950
2010-11	120,979	46,966	10,082	8,738	-	-	28,146	58,652	9,492	5,869
2011-12	119,618	46,605	10,119	8,847	-	-	27,639	57,986	9,335	5,692
2012-13	108,340	46,510	10,110	8,932	-	-	27,468	56,391	-	5,439
2013-14	106,299	46,495	9,975	8,881	-	-	27,639	54,641	-	5,163

School Year	Total	Secondary Education						Junior High School	Primary Education	Preschool Education	Others
		Senior Secondary School									
		General Education	Vocational Education	Comprehensive High School	Practical Technical Program	Continuing Education					
2014-15	104,304	49,036	8,156	8,810	1,676	1,051	2,092	27,251	53,541	-	1,727
2015-16	101,603	47,502	8,233	8,760	1,528	1,006	1,923	26,052	52,404	-	1,697
2016-17	98,654	45,909	8,343	8,761	1,387	993	1,788	24,637	51,097	-	1,648
2017-18	96,527	44,593	8,352	8,605	1,255	970	1,650	23,761	50,311	-	1,623
2018-19	95,588	43,223	8,288	8,328	1,101	944	1,522	23,040	50,767	-	1,598

Note: According to the Senior High School Education Act, there are five programs in the senior secondary school-general education, vocational education, comprehensive high school, practical technical program and continuing education.

Source: See Table 13-1.

13-5a. Number of Students by Levels of Education

School Year	Total	Higher Education				Secondary Education	Primary Education	Preschool Education	Others
		Graduate School	Bachelor Program	Junior College					
I. Number of Students (persons)									
1955-56	1,535,455	18,174	169	13,460	4,545	213,540	1,244,029	46,390	13,322
1960-61	2,375,328	35,060	437	26,735	7,888	355,274	1,888,783	79,702	16,509
1965-66	3,117,397	85,346	993	54,819	29,534	663,753	2,257,720	78,878	31,700
1970-71	3,991,574	203,473	2,295	92,850	108,328	1,154,589	2,445,405	91,984	96,123
1975-76	4,449,009	289,435	3,912	135,297	150,226	1,505,993	2,364,961	117,990	170,630
1980-81	4,597,765	342,528	6,306	153,088	183,134	1,605,567	2,233,706	178,216	237,748
1985-86	4,942,310	428,576	12,418	179,334	236,824	1,678,767	2,321,700	234,674	278,593
1990-91	5,279,864	576,623	22,372	239,082	315,169	1,818,301	2,354,113	237,285	293,542
1995-96	5,226,219	751,347	42,097	314,499	394,751	1,935,613	1,971,439	240,368	327,452
1996-97	5,191,219	795,547	44,873	337,837	412,837	1,908,935	1,934,756	235,830	316,151
1997-98	5,195,241	856,186	48,619	373,702	433,865	1,874,747	1,905,690	230,781	327,837
1998-99	5,215,773	915,921	53,870	409,705	452,346	1,814,202	1,910,681	238,787	336,182
1999-2000	5,241,641	994,283	67,233	470,030	457,020	1,756,034	1,927,179	232,610	331,535
2000-01	5,303,001	1,092,102	83,861	564,059	444,182	1,713,489	1,925,981	243,090	328,339
2001-02	5,354,091	1,187,225	103,213	677,171	406,841	1,684,449	1,925,491	246,303	310,623
2002-03	5,376,947	1,240,292	122,130	770,915	347,247	1,679,959	1,918,034	241,180	297,482
2003-04	5,385,135	1,270,194	143,567	837,602	289,025	1,676,970	1,913,000	240,926	284,045
2004-05	5,372,346	1,285,867	160,401	894,528	230,938	1,692,721	1,883,533	237,155	273,070
2005-06	5,319,364	1,296,558	177,024	938,648	180,886	1,703,414	1,831,873	224,219	263,300
2006-07	5,286,885	1,313,993	193,424	966,591	153,978	1,707,038	1,798,393	201,815	265,646
2007-08	5,243,062	1,326,029	204,225	987,914	133,890	1,707,331	1,754,095	191,773	263,834
2008-09	5,165,817	1,337,455	213,700	1,006,102	117,653	1,704,855	1,677,439	185,668	260,400
2009-10	5,065,962	1,336,659	217,152	1,010,952	108,555	1,706,325	1,593,398	182,049	247,531
2010-11	4,965,690	1,343,723	219,252	1,021,682	102,789	1,682,958	1,519,746	183,901	235,362
2011-12	4,860,022	1,352,225	217,890	1,033,035	101,300	1,641,633	1,457,004	189,792	219,368
2012-13	5,007,275	1,355,490	215,930	1,038,136	101,424	1,617,009	1,373,366	459,653	201,757
2013-14	4,859,558	1,346,221	208,908	1,035,654	101,659	1,585,444	1,297,120	448,189	182,584
2014-15	4,729,465	1,340,012	203,564	1,037,178	99,270	1,622,099	1,252,762	444,457	70,135
2015-16	4,616,078	1,332,637	199,815	1,035,356	97,466	1,540,014	1,214,360	462,115	66,952
2016-17	4,504,363	1,309,670	198,452	1,015,534	95,684	1,463,325	1,173,885	492,781	64,702
2017-18	4,403,690	1,274,191	197,270	986,083	90,838	1,398,737	1,146,661	521,904	62,197
2018-19	4,325,121	1,245,260	196,547	962,055	86,658	1,321,282	1,158,557	539,404	60,618

Note: (1) See note (2) of Table 13-1.

(2) See note (1) of Table 13-2.

(3) See note of Table 13-4.

Source: See Table 13-1.

13-5b. Number of Students by Levels of Education (Continued)

School Year	Total	Higher Education			Secondary Education	Primary Education	Preschool Education	Others	
		Graduate School	Bachelor Program	Junior College					
II. Percentage of Total Population (%)									
1955-56	16.91	0.20	0.00	0.15	0.05	2.35	13.70	0.51	0.15
1960-61	21.89	0.32	0.00	0.25	0.07	3.27	17.41	0.74	0.15
1965-66	24.55	0.67	0.01	0.43	0.23	5.23	17.78	0.62	0.25
1970-71	27.05	1.38	0.02	0.63	0.73	7.83	16.57	0.62	0.65
1975-76	27.42	1.78	0.02	0.83	0.93	9.28	14.58	0.73	1.05
1980-81	25.73	1.92	0.04	0.86	1.03	8.99	12.50	1.00	1.33
1985-86	25.59	2.22	0.06	0.93	1.23	8.69	12.02	1.22	1.44
1990-91	25.88	2.83	0.11	1.17	1.54	8.91	11.54	1.16	1.44
1995-96	24.47	3.52	0.20	1.47	1.85	9.06	9.23	1.13	1.53
1996-97	24.12	3.70	0.21	1.57	1.92	8.87	8.99	1.10	1.47
1997-98	23.89	3.94	0.22	1.72	2.00	8.62	8.76	1.06	1.51
1998-99	23.79	4.18	0.25	1.87	2.06	8.27	8.71	1.09	1.53
1999-2000	23.73	4.50	0.30	2.13	2.07	7.95	8.72	1.05	1.50
2000-01	23.81	4.90	0.38	2.53	1.99	7.69	8.65	1.09	1.47
2001-02	23.90	5.30	0.46	3.02	1.82	7.52	8.59	1.10	1.39
2002-03	23.88	5.51	0.54	3.42	1.54	7.46	8.52	1.07	1.32
2003-04	23.82	5.62	0.64	3.71	1.28	7.42	8.46	1.07	1.26
2004-05	23.68	5.67	0.71	3.94	1.02	7.46	8.30	1.05	1.20
2005-06	23.36	5.69	0.78	4.12	0.79	7.48	8.04	0.98	1.16
2006-07	23.11	5.74	0.85	4.23	0.67	7.46	7.86	0.88	1.16
2007-08	22.84	5.78	0.89	4.30	0.58	7.44	7.64	0.84	1.15
2008-09	22.42	5.81	0.93	4.37	0.51	7.40	7.28	0.81	1.13
2009-10	21.91	5.78	0.94	4.37	0.47	7.38	6.89	0.79	1.07
2010-11	21.44	5.80	0.95	4.41	0.44	7.27	6.56	0.79	1.02
2011-12	20.93	5.82	0.94	4.45	0.44	7.07	6.27	0.82	0.94
2012-13	21.48	5.81	0.93	4.45	0.44	6.94	5.89	1.97	0.87
2013-14	20.79	5.76	0.89	4.43	0.43	6.78	5.55	1.92	0.78
2014-15	20.18	5.72	0.87	4.43	0.42	6.92	5.35	1.90	0.30
2015-16	19.65	5.67	0.85	4.41	0.41	6.56	5.17	1.97	0.28
2016-17	19.14	5.56	0.84	4.31	0.41	6.22	4.99	2.09	0.27
2017-18	18.68	5.41	0.84	4.18	0.39	5.93	4.86	2.21	0.26
2018-19	18.34	5.28	0.83	4.08	0.37	5.60	4.91	2.29	0.26

13-6a. Number of Students Receiving Higher Education by Discipline

Unit: Persons

School Year	Total	Humanities	Education	Agriculture, Forestry & Fishery	Law & Jurisprudence	Social & Behavioral Sciences	Natural Sciences	Engineering	Medical Science	Fine Arts
1984-85	412,381	29,630	23,095	12,675	5,111	16,331	11,357	134,716	34,340	8,008
1985-86	428,576	30,230	24,079	13,171	5,349	16,944	11,956	140,393	35,616	8,534
1986-87	442,648	31,005	21,183	14,004	5,524	17,490	12,283	145,717	37,544	9,005
1987-88	464,664	31,628	20,106	14,630	5,840	18,229	12,813	154,251	39,767	9,578
1988-89	496,530	32,450	22,115	15,119	6,168	19,092	13,519	165,688	42,513	10,217
1989-90	535,064	33,294	25,339	15,576	6,416	20,093	14,507	179,495	46,362	10,607
1990-91	576,623	34,329	27,185	16,393	6,615	21,106	15,473	199,956	51,438	10,849
1991-92	612,376	35,426	26,511	17,188	6,907	22,104	16,428	215,505	56,006	10,815
1992-93	653,162	36,820	32,087	18,645	7,240	22,927	16,989	226,694	60,365	10,820
1993-94	689,185	37,891	33,637	19,241	7,519	23,688	17,248	237,272	64,576	10,845
1994-95	720,180	39,921	33,756	20,408	7,846	24,603	18,019	241,220	68,644	12,001
1995-96	751,347	42,826	32,947	21,288	8,227	25,272	18,080	245,655	71,092	12,650
1996-97	795,547	47,249	33,042	22,219	8,348	25,927	18,862	252,415	77,446	13,784
1997-98	856,186	54,578	32,875	23,402	8,856	27,591	20,115	260,609	84,059	15,822
1998-99	915,921	63,241	34,211	24,404	9,247	28,804	21,152	268,211	89,546	17,035
1999-2000	994,283	72,956	36,921	25,274	10,018	31,172	22,902	280,959	95,626	19,002
2000-01	1,092,102	83,596	38,510	25,942	10,951	34,159	25,037	295,317	107,611	21,721
2001-02	1,187,225	93,944	40,337	27,009	12,203	37,476	27,308	303,003	119,202	24,791
2002-03	1,240,292	102,213	41,735	27,336	13,470	40,327	29,549	297,061	125,813	28,180
2003-04	1,270,194	109,268	42,548	28,541	15,075	43,239	33,290	288,997	126,818	31,211
2004-05	1,285,867	112,454	42,778	27,159	16,568	45,227	36,465	282,935	125,750	34,095
2005-06	1,296,558	114,089	41,763	26,897	17,978	46,505	39,324	277,622	126,584	37,251
2006-07	1,313,993	117,299	36,132	26,903	19,160	49,142	42,475	275,755	127,346	41,874

Note: Since 1983-84, the curricula of higher education have been organized according to UNESCO standards.

Source: See Table 13-1.

13-6b. Number of Students Receiving Higher Education by Discipline (Continued)

Unit: Persons

School Year	Mass Communi- cations	Service Trade	Transpor- tation & Communi- cations	Home Economics	Archi- tecture & Urban Planning	Craft & Industry	Math. & Computer Science	Commerce & Business Adminis- tration	Others
1984-85	8,721	3,024	5,107	6,142	5,338	1,225	13,529	91,439	2,593
1985-86	8,879	3,073	5,116	6,518	5,630	1,162	14,947	94,522	2,457
1986-87	9,098	3,123	5,228	7,006	5,745	1,691	16,411	98,187	2,404
1987-88	9,408	3,224	5,360	7,574	6,187	1,691	18,472	103,411	2,495
1988-89	9,853	3,290	5,596	8,455	6,448	1,670	20,552	110,939	2,846
1989-90	10,174	3,544	6,033	9,688	6,717	1,749	22,457	119,681	3,332
1990-91	10,414	4,023	6,391	10,976	7,498	1,799	24,918	123,613	3,647
1991-92	9,650	4,432	7,015	11,277	8,670	1,641	27,608	131,272	3,921
1992-93	9,053	4,944	7,787	11,579	10,292	1,644	31,288	139,823	4,165
1993-94	8,541	5,692	8,208	12,254	11,592	1,557	35,572	149,296	4,556
1994-95	8,814	6,023	8,629	13,881	11,624	1,632	40,049	158,292	4,818
1995-96	9,707	6,705	9,130	16,567	12,688	1,007	44,563	167,993	4,950
1996-97	10,716	7,374	9,566	19,033	13,231	1,080	50,773	179,080	5,402
1997-98	11,590	9,348	10,224	22,078	14,205	1,225	58,724	194,751	6,134
1998-99	12,484	11,538	9,819	26,845	14,919	1,548	67,769	208,839	6,683
1999-2000	13,865	13,652	9,625	31,529	16,115	1,845	78,662	226,363	7,797
2000-01	15,098	16,919	9,832	36,432	17,213	2,137	91,681	251,255	8,691
2001-02	16,899	20,339	10,583	39,049	18,128	2,327	106,439	278,030	10,158
2002-03	18,490	23,395	11,636	43,423	17,885	2,098	119,760	286,830	11,091
2003-04	20,753	25,866	12,725	45,725	17,812	1,661	128,633	285,486	12,546
2004-05	22,478	28,363	12,872	46,661	17,565	1,467	135,080	283,407	14,543
2005-06	24,002	31,774	13,462	48,135	17,544	1,324	139,272	276,516	16,516
2006-07	25,378	36,013	13,924	49,257	18,052	861	142,444	272,781	19,197

13-6c. Number of Students Receiving Higher Education by Discipline (Continued)

Unit: Persons

School Year	Total	Education	Humanities & Arts	Social Sciences, Business & Law	Science	Engineering, Manufacturing & Construction	Agriculture	Health & Welfare	Services	Unspecified
1998-99	915,921	38,901	89,362	246,340	80,100	302,177	24,097	99,671	35,273	-
1999-2000	994,283	42,043	101,447	274,698	91,282	311,783	24,843	108,469	39,718	-
2000-01	1,092,102	43,376	116,805	302,425	104,430	329,981	25,430	123,371	46,284	-
2001-02	1,187,225	46,141	130,709	333,758	118,519	342,534	26,466	136,578	52,498	22
2002-03	1,240,292	47,689	141,601	350,337	129,471	338,950	26,587	146,394	59,203	60
2003-04	1,270,194	48,794	151,423	354,244	137,283	335,296	27,515	150,405	65,143	91
2004-05	1,285,867	49,401	157,526	353,980	140,722	335,469	26,377	151,491	70,794	107
2005-06	1,296,558	48,828	162,564	350,173	143,095	333,933	25,579	154,506	77,759	121
2006-07	1,313,993	44,185	171,173	349,196	144,856	335,422	25,478	155,805	87,684	194
2007-08	1,326,029	43,984	175,866	346,636	143,646	334,726	26,528	156,399	96,825	1,419
2008-09	1,337,455	43,179	181,884	345,576	142,053	332,207	26,802	155,400	108,005	2,349
2009-10	1,336,659	41,936	187,703	339,149	141,447	323,649	27,513	155,471	117,535	2,256
2010-11	1,343,723	41,135	192,243	337,372	140,686	318,605	27,728	155,225	128,688	2,041
2011-12	1,352,225	40,693	198,330	336,055	140,715	310,950	28,338	153,773	141,779	1,592
2012-13	1,355,490	39,682	203,199	334,219	138,001	301,021	28,325	154,532	154,801	1,710
2013-14	1,346,221	38,704	206,932	329,393	132,409	290,798	27,991	154,628	163,774	1,592
2014-15	1,340,012	38,704	209,320	326,361	127,162	283,167	27,659	155,873	170,297	1,469
2015-16	1,332,637	38,600	210,522	323,756	122,335	277,364	27,601	157,310	173,797	1,352
2016-17	1,309,670	38,816	207,963	316,875	115,618	270,730	27,343	159,253	171,808	1,264

School Year	Total	Education	Humanities & Arts	Social Sciences, Journalism & Library Information	Business, Administration & Law	Natural Sciences, Mathematics & Statistics	Information & Communication Technologies	Engineering, Manufacturing & Construction	Agriculture, Forestry, Fisheries & Veterinary Medicine	Health & Social Welfare	Services	Unspecified
2017-18	1,274,191	35,969	211,647	59,334	240,979	64,641	80,510	251,675	16,325	150,911	160,931	1,269
2018-19	1,245,260	35,701	207,323	58,234	231,777	62,300	83,239	244,825	16,700	150,391	153,271	1,499

Note: (1) Students were reclassified according to *The Classification of Educational Level and Academic Disciplines in the R.O.C.* (4th edition) in July 2007, and the data were adjusted back to 1998-99. Since 2017-18, the data were classified by *the R.O.C. standard educational classification-fields of study* (5th edition).

(2) See note (1) of Table 13-2.

13-7. Number of Students Receiving High School, Normal and Vocational Education

Unit: Persons

School Year	Total	High School		Normal School	Vocational School							
		Senior	Junior		Subtotal	Agri-cultural	Industrial	Commer-cial	Marine Products	Nursing & Midwifery	Home Economics	Others
1952-53	139,388	21,046	71,900	6,350	40,092	14,735	8,868	12,877	1,189	441	1,982	-
1955-56	213,540	30,169	116,192	6,782	60,397	23,206	11,279	18,905	1,724	592	4,560	131
1960-61	355,274	57,512	205,853	7,572	84,337	24,765	13,030	36,612	1,963	1,083	6,571	313
1965-66	663,753	116,197	426,822	3,159	117,575	26,776	17,396	58,555	3,441	1,936	9,471	-
1970-71	1,154,589	178,537	799,223	924	175,905	19,231	63,084	76,748	4,937	5,193	6,712	-
1975-76	1,505,993	185,181	1,036,357	2,040	282,415	13,218	127,698	120,579	6,416	9,287	5,148	69
1980-81	1,605,567	180,665	1,075,532	232	349,138	15,191	163,982	140,615	6,252	11,000	10,911	1,187
1985-86	1,678,767	194,757	1,062,226	-	421,784	18,376	209,701	149,833	6,022	12,196	25,048	608
1990-91	1,818,301	209,010	1,160,180	-	449,111	17,801	202,978	159,119	5,677	15,664	46,169	1,703
1995-96	1,935,613	255,387	1,156,814	-	523,412	19,288	222,614	199,211	8,071	24,809	47,676	1,743
2000-01	1,713,489	356,589	929,534	-	427,366	15,293	179,620	167,646	7,182	18,615	35,961	3,049
2005-06	1,703,414	420,608	951,202	-	331,604	9,321	141,826	135,571	4,408	2,600	33,886	3,992
2007-08	1,707,331	414,557	953,277	-	339,497	9,594	139,940	147,618	3,635	-	33,384	5,326
2008-09	1,704,855	406,316	951,976	-	346,563	9,718	139,893	155,117	3,428	-	32,739	5,668
2009-10	1,706,325	403,183	948,534	-	354,608	9,881	138,703	163,973	3,619	-	32,483	5,949
2010-11	1,682,958	400,642	919,802	-	362,514	9,868	138,354	172,176	3,642	-	32,139	6,335
2011-12	1,641,633	401,958	873,226	-	366,449	10,612	129,116	123,089	2,454	-	93,976	7,202
2012-13	1,617,009	402,689	844,884	-	369,436	10,775	128,263	123,486	2,400	-	96,273	8,239
2013-14	1,585,444	393,313	831,925	-	360,206	10,974	124,482	117,883	2,376	-	95,561	8,930

Note: The study classification of vocational high schools was redefined as of school year 2011. Starting in school year 2011, the statistics are based on the updated version.

School Year	Total	Junior High School	Senior Secondary School										Practical Technical Program	Continuing Edu.
			General Edu.	Compre-hensive High School	Vocational Education							Others		
					Agri-cultural	Industrial	Commer-cial	Marine Products	Nursing & Midwifery	Home Economics				
2014-15	1,622,099	803,233	311,213	65,042	10,919	119,050	110,977	2,282	-	93,360	9,349	37,741	58,933	
2015-16	1,540,014	747,724	309,410	57,481	10,618	117,489	106,457	2,171	-	90,714	9,905	35,696	52,349	
2016-17	1,463,325	687,212	311,077	50,737	10,532	116,320	104,157	2,126	-	88,532	10,517	34,794	47,321	
2017-18	1,398,737	653,273	310,239	44,929	10,386	112,586	98,814	2,030	-	81,397	10,436	33,041	41,606	
2018-19	1,321,282	624,407	300,704	38,118	10,068	105,365	91,688	2,044	-	71,918	9,767	31,079	36,124	

Note: See note of Table 13-4.

Source: See Table 13-1.

13-8. Percentage of Graduates Enrolled in Next Higher Level of Schools

School Year	% of Elementary School Graduates Enrolled in Junior High Schools	% of Junior High School Graduates Enrolled in Senior High Schools	% of Senior High School Graduates Enrolled in Schools of Higher Education
1952-53	34.85	56.96	26.27
1955-56	43.94	63.13	44.27
1960-61	52.24	75.88	43.41
1965-66	58.23	78.52	38.30
1970-71	78.59	82.66	41.92
1975-76	89.47	65.82	39.80
1980-81	96.14	65.16	44.64
1985-86	98.73	71.31	40.19
1990-91	99.77	84.70	48.58
1995-96	99.75	89.17	56.58
1998-99	99.60	93.94	67.43
1999-2000	99.89	94.73	74.35
2000-01	99.79	95.31	74.77
2001-02	99.15	95.97	77.13
2002-03	99.70	95.48	81.21
2003-04	99.44	95.74	82.20
2004-05	99.42	96.03	86.01
2005-06	99.31	94.88	88.44
2006-07	99.54	96.23	91.13
2007-08	99.66	96.26	93.61
2008-09	99.78	95.38	95.32
2009-10	99.85	97.63	95.56
2010-11	99.89	98.15	95.24
2011-12	99.91	97.67	94.67
2012-13	99.91	99.15	94.75
2013-14	99.85	99.39	95.50
2014-15	99.95	99.52	95.70
2015-16	99.99	99.59	95.50
2016-17	100.00	99.75	95.80
2017-18	100.00	99.78	95.95
2018-19	100.00	99.80	94.30

Note: The senior high school in this table means the general education and the comprehensive high school of senior secondary school.
Source: See Table 13-1.

13-9. Availability of Schools and Teachers

School Year	Number of Schools per 1,000 Km ²		Number of Students per Class		Number of Students per Teacher	
	Secondary Education	Primary Education	Secondary Education	Primary Education	Secondary Education	Primary Education
1952-53	6	35	46	53	20	48
1955-56	7	40	48	52	21	46
1960-61	10	51	47	53	21	46
1965-66	15	59	51	52	25	42
1970-71	24	64	50	51	26	41
1975-76	27	66	50	48	25	38
1980-81	28	67	47	44	23	32
1985-86	29	69	46	44	22	32
1990-91	30	69	45	42	22	29
1995-96	31	70	43	35	20	22
1998-99	32	71	40	32	18	20
1999-2000	32	71	39	31	18	20
2000-01	32	72	38	31	17	19
2001-02	33	72	38	30	17	19
2002-03	33	73	38	30	17	18
2003-04	33	73	38	30	17	18
2004-05	33	73	38	30	17	18
2005-06	33	73	38	29	17	18
2006-07	33	73	37	29	17	18
2007-08	34	73	37	28	17	17
2008-09	34	73	37	28	17	17
2009-10	34	73	36	27	17	16
2010-11	34	74	36	26	16	15
2011-12	34	73	35	25	16	15
2012-13	34	73	35	24	16	14
2013-14	34	73	34	24	15	13
2014-15	34	73	33	23	15	13
2015-16	34	73	32	23	14	12
2016-17	34	73	32	23	14	12
2017-18	34	73	31	23	13	12
2018-19	35	73	31	23	13	12

Source: See Table 13-1.

13-10. Educational Expenditure Per Student at All Levels

Unit: NT\$

School Year	Pre-School Education	Elementary School	Jr. High School	Sr. High School	Sr. Vocational School	Junior College	University & College
1976-77	2,899	3,660	5,669	9,067	10,479	14,706	27,530
1980-81	6,821	8,506	12,855	20,190	24,276	33,658	61,006
1985-86	18,878	13,354	21,230	29,869	34,342	56,888	97,666
1990-91	34,788	29,979	42,250	57,642	66,350	66,050	188,484
1993-94	38,789	48,717	62,081	72,530	81,901	85,954	204,795
1994-95	45,405	54,391	67,887	73,647	87,037	83,786	195,870
1995-96	47,606	62,699	76,342	84,310	95,863	87,792	198,611
1998-99	55,652	75,615	102,568	90,260	109,726	95,998	160,713
1999-2000	60,056	75,197	111,984	91,905	116,637	109,253	162,184
2000-01	61,992	75,759	117,126	91,995	109,854	91,499	169,906
2001-02	66,556	75,845	115,182	88,553	96,246	116,784	152,275
2002-03	69,943	76,248	115,155	86,846	101,556	113,948	158,866
2003-04	73,858	77,948	118,957	90,576	104,846	140,618	160,950
2004-05	76,415	82,651	122,832	92,219	106,153	131,820	164,518
2005-06	75,323	87,715	125,973	92,386	105,644	121,804	171,965
2006-07	83,445	91,402	127,391	94,434	103,513	104,737	175,263
2007-08	94,736	95,223	125,188	101,160	107,324	135,348	180,800
2008-09	101,228	101,684	122,951	101,326	109,831	103,589	170,602
2009-10	112,565	107,419	122,542	102,905	109,495	95,345	171,821
2010-11	121,863	114,929	129,198	101,022	108,854	92,674	170,506
2011-12	115,015	133,897 (1)		105,047	107,942	111,317	178,065
2012-13	111,875	147,529		106,609	110,890	104,439	185,097
2013-14	117,475	154,893		110,012 (2)		95,288	182,901
2014-15	120,957	160,701		113,728		96,370	184,910
2015-16	123,481	169,428		120,022		105,393	187,271
2016-17	124,135	179,022		123,666		106,305	190,852
2017-18	123,940	186,344		129,367		100,271	199,952

Note: (1) The educational expenditure of the elementary school and the junior high school could not be separated from each other since school year 2011.

(2) see note (3) of Table 13-1.

Source: See Table 13-1.

13-11a. Students Studying Abroad

Unit: Persons

Period	Total	Hu- manities	Edu- cation	Fine Arts	Law	Social Sciences	Natural Sciences	Engi- neering	Medical Science	Agri- culture	Others
1952-61 Average	558	77	10	11	19	82	47	178	22	60	52
1962	1,833	279	44	38	85	306	229	575	42	225	10
1963	2,125	274	55	56	70	398	265	693	56	250	8
1964	2,514	354	73	52	84	541	315	715	83	291	6
1965	2,339	383	72	54	76	501	315	553	94	281	10
1966	2,189	336	67	48	54	445	372	521	107	234	5
1969	3,444	480	58	138	69	728	741	717	116	397	-
1970	2,056	240	23	50	27	318	515	553	86	244	-
1971	2,558	329	33	74	43	500	625	607	79	268	-
1972	2,149	260	23	79	41	473	532	439	88	214	-
1973	1,966	254	29	60	43	350	502	425	97	206	-
1974	2,285	237	32	37	55	442	596	568	98	220	-
1975	2,301	325	32	79	55	448	537	528	96	201	-
1976	3,641	489	56	89	66	790	802	927	180	242	-
1977	3,852	567	73	112	69	928	732	935	198	238	-
1978	4,756	682	77	169	97	1,228	827	1,218	213	245	-
1979	5,801	869	112	150	127	1,662	853	1,390	296	342	-
1980	5,933	903	115	156	112	1,761	846	1,421	279	340	-
1981	5,363	807	123	166	88	1,498	720	1,439	255	267	-
1982	5,925	768	97	103	105	1,510	856	2,058	205	223	-

Source: See Table 13-1.

13-11b. Students Studying Abroad (Continued)

Unit: Persons

Period	Total	Education	Fine Arts	Humanities	Social & Behavioral Sciences	Commerce & Business Administration	Law & Jurisprudence	Natural Sciences	Math. & Computer Science	Medical Science
1983 (1)	5,690	116	104	724	445	977	91	515	275	230
1984	5,410	73	89	659	337	867	61	439	258	235
1985	5,979	78	113	768	459	967	112	471	331	226
1986	7,016	87	125	862	473	1,199	120	517	393	287
1987	6,599	54	144	781	390	1,044	103	453	384	279
1988	7,122	79	159	902	452	1,163	116	482	484	284
1989	3,900	28	99	453	263	675	49	257	306	187
1990 (2)	94	6	0	13	9	8	5	6	2	21
1991	103	11	2	13	19	9	5	8	4	5
1992	111	10	6	20	16	5	4	11	3	15
1993	148	11	12	23	18	9	6	11	2	13
1994	125	9	10	19	17	8	11	13	3	14
1995	108	7	7	12	16	11	7	9	0	4
1996	89	8	7	10	14	4	6	11	2	6
1997	97	6	7	6	18	6	9	12	3	5
1998	85	9	9	10	8	3	9	4	0	7
1999	59	8	8	5	7	6	6	3	0	7
2000 (3)	134	7	14	12	12	13	9	13	1	11
2001	142	6	11	9	19	12	8	17	0	7
2002	132	5	7	4	9	10	8	15	4	8
2003	108	8	7	2	19	15	4	19	1	7
2004	133	14	8	14	13	9	8	17	8	8
2005	227	5	32	4	34	31	5	28	15	32
2006	93	3	9	1	24	9	4	10	2	12

Note: (1) Since the school year 1983, curricula in Taiwan's institutions of higher learning have been organized according to ISCED of UNESCO.

(2) Students studying abroad without government scholarships have been excluded since July 1989.

(3) Since the school year 2000, the figures refer to the number of students passing examinations of government sponsorship for overseas study.

13-11c. Students Studying Abroad (Continued)

Unit: Persons

Period	Craft & Industry	Engineering	Architecture & Urban Planning	Agriculture, Forestry & Fishery	Home Economics	Transportation & Communications	Tourism Service	Mass Communications	Others	Unclassifiable Majors (4)
1983 (1)	18	1,571	79	225	49	79	39	129	24	0
1984	11	1,606	105	229	60	68	42	142	129	0
1985	3	1,759	111	238	61	103	27	143	9	0
1986	16	2,056	122	270	72	95	40	151	131	0
1987	0	2,017	110	218	76	107	37	146	256	0
1988	15	1,936	121	247	89	88	38	153	314	0
1989	13	1,065	60	137	31	59	30	73	115	0
1990 (2)	0	14	1	6	0	0	0	2	1	0
1991	0	16	1	8	0	0	0	2	0	0
1992	0	11	0	5	1	2	2	0	0	0
1993	0	21	0	13	1	3	0	1	4	0
1994	1	11	0	5	0	1	0	0	3	0
1995	0	17	0	14	0	1	0	1	2	0
1996	0	5	1	6	1	2	0	2	4	0
1997	0	5	2	7	0	2	0	1	8	0
1998	0	7	2	11	0	0	1	1	4	0
1999	0	2	0	1	0	1	0	0	5	0
2000 (3)	0	4	0	5	1	1	0	2	4	25
2001	0	6	1	4	0	2	0	1	12	27
2002	0	3	4	6	0	1	0	1	6	41
2003	0	14	3	4	0	0	0	1	4	0
2004	1	14	4	4	0	1	0	3	7	0
2005	0	20	5	5	0	0	0	6	5	0
2006	0	5	2	2	0	1	0	3	6	0

(4) The figures for 2000-2002 include those not categorized by major at the time they were awarded a government scholarship, including post-doctoral researchers, short-term researchers, and participants in special programs to foster short-term researchers in key technologies.

13-11d. Students Studying Abroad (Continued)

Unit: Persons

Period	Total	Edu- cation	Humani- ties & Arts	Social Sciences, Business & Law	Science	Engineering, Manufacturing & Construction	Agriculture	Health & Welfare	Services	Unspeci- fied
2007 (5)	92	6	10	35	13	7	2	9	10	0
2008	103	4	23	31	20	6	2	7	10	0
2009	115	8	22	54	12	7	3	2	7	0
2010	122	6	24	48	19	8	4	6	7	0
2011	135	7	33	46	15	11	2	7	14	0
2012	135	7	32	47	11	11	3	9	15	0
2013	100	2	18	56	9	4	1	3	7	0
2014	101	3	21	52	8	5	1	2	9	0
2015	100	6	25	45	5	7	2	6	4	0
2016	101	3	21	43	11	8	5	4	6	0

(5) The figures refer to the number of students passing government scholarship examination and are reclassified according to *The Classification of Educational Level and Academic Disciplines in the R.O.C.* (4th edition) in July 2007.

Period	Total	Edu- cation	Humani- ties & Arts	Social Sciences, Journalism & Library Information	Business, Admini- stration & Law	Natural Sciences, Mathematics & Statistics	Information & Communi- cation Technologies	Engineering, Manufacturing & Construction	Agriculture, Forestry, Fisheries & Veterinary Medicine	Health & Social Welfare	Services	Unspeci- fied
2017 (6)	115	5	26	25	18	15	2	11	3	6	4	-
2018	119	10	30	26	13	15	5	7	3	8	2	-

(6) The figures refer to the number of students passing government scholarship examination and are based by *the R.O.C. standard educational Classification-fields of study* (5th edition).

13-12. Number of Newspapers, Periodicals, News Agencies and Publishing Corporations

End of Year	Newspapers	Periodicals	News Agencies	Publishing Corporations
2007	193	961	44	1,875
2008	198	982	40	1,829
2009	189	1,018	39	1,871
2010	193	1,078	42	1,907
2011	207	1,121	38	1,924
2012	209	1,183	37	1,985
2013	212	1,181	35	2,011
2014	220	1,240	35	1,997
2015	234	1,238	32	2,036
2016	241	1,238	29	2,057
2017	246	1,244	32	2,091
2018	252	1,247	32	2,155

Source: The data are provided by the Minister of Culture, R.O.C.(Taiwan).

13-13. Arts and Cultural Activities in Taiwan

Unit : event / person-time

Year	Activities													Attendances
	Total	Visual Art	Crafts	Design	Music	Drama	Dance	Traditional Narrative & Musical Performance	Movie, TV & Broadcast	Folk & Cultural Assets	Literature & Books	Others	Mixed type	
2007	46,412	5,151	2,430	702	7,561	2,756	1,558	185	8,716	3,538	7,672	3,550	2,593	120,794,000
2008	50,705	5,513	2,812	767	8,204	3,537	1,548	201	9,356	3,821	8,122	4,114	2,710	137,351,000
2009	55,267	6,082	2,624	793	8,159	3,706	1,606	202	10,427	3,982	10,392	4,333	2,961	162,909,000
2010	57,289	6,016	2,609	1,042	8,074	3,760	1,751	268	11,610	4,217	10,879	2,341	4,722	172,832,000
2011	59,300	5,766	2,736	1,179	8,431	3,820	1,902	221	11,579	4,052	12,772	4,234	2,608	200,634,000
2012	64,534	5,935	2,696	1,262	8,541	4,066	2,014	139	12,356	4,324	15,927	4,391	2,883	228,304,000
2013	66,389	6,156	3,024	1,320	8,742	3,954	1,823	139	12,450	4,738	16,855	4,443	2,745	254,307,000
2014	64,685	5,419	2,285	1,005	8,566	4,013	1,418	164	12,569	5,411	18,191	2,897	2,747	263,297,000
2015	53,908	5,928	2,345	1,249	9,034	4,206	1,285	115	6,910	5,409	13,163	1,776	2,488	247,187,000
2016	56,107	5,701	2,090	1,457	8,003	3,859	1,137	146	7,984	5,517	17,226	274	2,713	257,250,000
2017	58,195	6,226	2,428	1,734	8,932	4,121	1,223	159	7,685	5,629	16,878	195	2,985	263,037,000
2018	55,839	6,388	2,598	1,649	9,016	3,780	1,207	126	7,336	5,455	15,145	106	3,033	238,489,000

Source: The data are provided by the Minister of Culture, R.O.C.(Taiwan).

14. HEALTH AND MEDICAL CARE

14-1a. Health Workforce

Unit: Persons

End of Year	Total	Physicians	Doctors of Chinese Medicine	Dentists & Assistants	Pharmacists & Assistants	Nurses	Registered Professional Midwives	Medical Technologists & Technicians	Medical Radiation Technologists & Radiological Technicians
1955	10,343	3,998	1,629	925	1,008	974	1,809	...	...
1960	12,427	4,811	1,688	1,034	1,386	1,484	2,024	...	...
1965	13,017	5,062	1,594	1,015	1,547	1,611	2,188	...	...
1970	13,646	5,092	1,384	1,017	2,482	2,071	1,600	...	...
1975	26,597	9,148	1,575	1,412	6,882	4,919	2,661	...	...
1980	42,417	11,748	1,590	2,090	11,932	11,659	2,904	494	...
1985	66,278	15,039	1,892	3,433	16,300	24,248	2,408	1,982	976
1990	91,153	19,921	2,372	5,580	17,944	38,357	1,891	3,657	1,431
1995	118,248	24,465	3,030	7,131	19,224	56,743	842	4,722	1,793
1996	123,829	24,790	2,992	7,332	19,667	61,494	774	5,034	1,453
1997	137,829	25,730	3,299	7,650	21,246	69,665	782	5,389	2,266
1998	144,070	27,168	3,461	7,993	22,761	71,215	704	5,583	2,485
1999	152,385	28,216	3,546	8,304	23,937	75,603	649	6,015	2,500
2000	159,212	29,585	3,733	8,656	24,404	79,176	558	6,230	2,761
2001	165,855	30,562	3,979	9,012	24,891	82,763	518	6,542	3,152
2002	175,444	31,532	4,101	9,273	25,355	89,568	490	6,725	3,410
2003	183,103	32,390	4,266	9,618	25,033	95,271	476	7,055	3,557
2004	192,611	33,360	4,588	9,935	26,079	101,465	459	7,122	3,704
2005	199,734	34,093	4,610	10,202	26,750	104,786	397	7,323	3,880
2006	206,959	34,899	4,743	10,458	27,412	109,153	368	7,457	4,052
2007	214,748	35,849	4,862	10,783	28,040	113,832	347	7,642	4,211
2008	223,623	37,142	5,112	11,136	28,741	118,785	308	7,896	4,443
2009	233,553	37,880	5,290	11,393	29,587	125,081	258	8,203	4,651
2010	241,156	38,887	5,354	11,697	30,001	128,955	208	8,377	4,913
2011	250,258	40,002	5,570	12,032	31,300	133,336	134	8,579	5,133
2012	258,283	40,938	5,740	12,431	32,015	137,641	120	8,751	5,341
2013	265,759	41,965	5,977	12,834	32,668	140,915	132	9,006	5,507
2014	271,555	42,961	6,156	13,213	33,162	142,708	149	9,132	5,774
2015	280,508	44,006	6,298	13,536	33,516	148,223	150	9,261	5,952
2016	289,174	44,849	6,441	13,945	33,908	153,509	154	9,400	6,164
2017	299,782	46,356	6,692	14,413	34,526	159,621	164	9,561	6,416
2018	312,887	47,471	6,880	14,751	34,838	167,803	179	9,698	6,629

Source: The data are provided by the Ministry of Health and Welfare, R.O.C. (Taiwan).

14-1b. Health Workforce (Continued)

Unit: Persons

End of Year	Dietitians	Physical Therapists & Therapy Technicians	Occupational Therapists & Therapy Technicians	Clinical Psychologists	Counseling Psychologists	Respiratory Therapists	Speech-Language Pathologists	Audiologists	Dental Technologists & Technicians	Optician & Technicians (1)
1955	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...
1985	...	...	...	...	...	...	...	...	...	...
1990	...	...	...	...	...	...	...	...	...	...
1995	298	...	...	...	...	...	...	...	...	...
1996	293	...	...	...	...	...	...	...	...	...
1997	515	1,287	...	...	...	...	...	...	...	...
1998	575	1,720	405	...	...	...	...	...	...	...
1999	656	2,290	669	...	...	...	...	...	...	...
2000	743	2,620	746	...	...	...	...	...	...	...
2001	778	2,790	868	...	...	...	...	...	...	...
2002	845	3,084	1,061	...	...	...	...	...	...	...
2003	895	3,373	1,169	...	...	...	...	...	...	...
2004	978	3,614	1,307	...	...	...	...	...	...	...
2005	1,056	3,742	1,447	379	170	899	...	...	...	...
2006	1,137	3,901	1,526	478	278	1,097	...	...	...	...
2007	1,239	4,172	1,744	524	325	1,178	...	...	...	...
2008	1,379	4,457	1,882	584	423	1,335	...	...	...	...
2009	1,563	4,867	2,105	643	524	1,508	...	...	...	...
2010	1,687	5,214	2,287	696	671	1,657	434	118	0	...
2011	1,824	5,608	2,496	757	836	1,810	498	157	186	...
2012	2,050	5,878	2,660	832	1,000	1,892	554	181	259	...
2013	2,234	6,203	2,806	925	1,122	1,950	676	233	606	...
2014	2,304	6,435	2,948	998	1,298	2,040	708	259	1,310	...
2015	2,392	6,811	3,076	1,064	1,513	2,086	770	271	1,583	...
2016	2,525	7,181	3,274	1,182	1,644	2,140	813	284	1,761	...
2017	2,631	7,581	3,427	1,282	1,801	2,197	892	307	1,853	62
2018	3,061	8,222	3,843	1,387	2,255	2,244	993	346	2,026	261

(1) Optician & Technicians were added since 2017.

14-2. Availability of Medical Care

End of Year	Area Served by Each Health & Medical Facility (km ²)	Persons Served by Each Health & Medical Facility	Area Served by Each Physician (km ²) (2)	Persons Served by Each Physician (2)	Persons Per Bed
1955	35.8	8,878	6.4	1,584	2,902
1960	33.1	9,919	5.5	1,661	2,686
1965	32.9	11,578	5.4	1,901	2,851
1970 (1)	32.7	13,187	5.6	2,240	2,494
1975	3.9	1,732	3.4	1,492	526
1980	3.3	1,624	2.7	1,323	446
1985	3.0	1,553	2.1	1,130	258
1990	2.8	1,578	1.6	913	228
1995	2.2	1,326	1.3	777	190
1996	2.2	1,293	1.3	775	187
1997	2.1	1,250	1.2	749	179
1998	2.0	1,237	1.2	716	176
1999	2.0	1,243	1.1	696	180
2000	2.0	1,232	1.1	669	176
2001	2.0	1,227	1.0	649	175
2002	2.0	1,236	1.0	632	169
2003	1.9	1,204	1.0	617	166
2004	1.9	1,179	1.0	598	158
2005	1.9	1,172	0.9	588	156
2006	1.8	1,162	0.9	577	154
2007	1.8	1,154	0.9	564	152
2008	1.8	1,142	0.9	545	151
2009	1.8	1,139	0.8	536	148
2010	1.7	1,119	0.8	524	146
2011	1.7	1,099	0.8	510	145
2012	1.7	1,088	0.8	500	145
2013	1.7	1,076	0.8	488	147
2014	1.6	1,063	0.7	477	145
2015	1.6	1,059	0.7	467	145
2016	1.6	1,052	0.7	459	144
2017	1.6	1,042	0.7	444	143
2018	1.6	1,034	0.7	434	141

(1) Figures for years prior to 1971 refer to provincial, county and city health and medical care facilities; figures for 1971 and after refer to all public and private hospitals and clinics.

(2) Including Chinese medicine doctors.

Source: See Table 14-1a.

14-3a. Incidence of Communicable Diseases(1)

Unit: Persons

Period	Smallpox	Plague	SARS	Rabies	Diphtheria	Typhoid Fever	Dengue Fever	Meningococcal Meningitis	Paratyphoid Fever
1998	...	0	...	0	0	74	334	12	4
1999	...	0	...	0	0	49	65	13	11
2000	...	0	...	0	0	43	140	16	3
2001	...	0	...	0	0	59	270	43	11
2002	...	0	...	1	0	54	5,388	46	18
2003	...	0	347	0	0	40	145	26	15
2004	...	0	0	0	0	38	427	24	19
2005	...	0	0	0	0	35	306	20	13
2006	0	0	0	0	0	43	1,074	13	10
2007	0	0	0	0	0	34	2,179	20	6
2008	0	0	0	0	0	33	714	19	11
2009	0	0	0	0	0	80	1,052	2	6
2010	0	0	0	0	0	33	1,896	7	12
2011	0	0	0	0	0	49	1,702	5	6
2012	0	0	0	1	0	26	1,478	6	8
2013	0	0	0	1	0	19	860	6	9
2014	0	0	0	0	0	25	15,732	3	8
2015	0	0	0	0	0	29	43,784	3	3
2016	0	0	0	0	0	14	744	8	6
2017	0	0	0	0	0	16	343	12	4
2018(2)	0	0	0	0	0	17	533	6	8

(1)Calculation for these diseases were based on confirmed cases.

(2)The case amount of these diseases contained imported ones, including 13 typhoid fever, 350 dengue fever, one meningococcal meningitis and seven paratyphoid fever.

Source: See Table 14-1a.

14-3b. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	Poliomyelitis	Acute Flaccid Paralysis (4)	Shigellosis	Amoebiasis	Malaria		Measles	Acute Hepatitis A	EHEC Infection
					Indigenous	Imported			
1998	0	116	425	21	0	49	9	163	...
1999	0	59	210	55	0	32	1	103	0
2000	0	63	321	322	0	42	6	68	0
2001	0	101	1,327	303	0	29	10	257	1
2002	0	84	436	289	0	28	24	212	0
2003	0	65	246	121	0	34	6	160	0
2004	0	56	156	96	0	18	0	204	0
2005	0	61	174	120	0	26	7	257	0
2006	0	66	139	125	0	26	4	189	0
2007	0	51	246	145	0	13	10	203	0
2008	0	74	90	227	0	18	16	236	0
2009	0	45	91	190	0	11	48	234	0
2010	0	49	172	262	0	21	12	110	0
2011	0	45	203	256	0	17	33	104	0
2012	0	51	155	258	0	12	9	99	0
2013	0	25	155	270	0	13	8	139	0
2014	0	29	132	300	0	19	26	117	0
2015	0	19	186	350	0	8	29	171	0
2016	0	41	225	314	0	13	14	1,133	0
2017	0	61	162	378	0	7	6	369	0
2018 (3)	0	66	172	334	0	7	40	88	0

(3)The case amount of these diseases contained imported ones, including 59 shigellosis, 171 amoebiasis, seven malaria, 12 measles, and 33 acute hepatitis A.

(4)No wild poliovirus was detected since 1984. Nationwide surveillance of acute flaccid paralysis (AFP) was used for detecting cases of poliomyelitis after implementing the “Eradication Program for Measles, Congenital Rubella Syndrome, Poliomyelitis and Neonatal Tetanus” in 1992. AFP cases aged 15 years and above had been excluded since 2005.

14-3c. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	Hantavirus Syndrome		Cholera	Rubella	MDR-TB	Chikungunya Fever	West Nile Fever	Epidemic Typhus Fever	Anthrax
	Hemorrhagic Fever with Renal Syndrome	Hantavirus Pulmonary Syndrome							
1998	...	...	0	5	...	...	...	...	...
1999	...	...	5	2	...	...	...	0	0
2000	...	...	8	29	...	...	...	0	0
2001	2	2	0	17	...	...	...	0	0
2002	0	0	2	4	...	...	...	0	0
2003	0	0	1	2	...	...	...	0	0
2004	3	0	1	4	...	...	...	0	0
2005	0	0	2	7	...	...	...	0	0
2006	3	0	1	6	...	...	0	0	0
2007	1	0	0	54	19	2	0	0	0
2008	1	0	1	33	159	9	0	0	0
2009	0	0	3	23	176	9	0	0	0
2010	1	0	5	21	156	13	0	0	0
2011	0	0	3	60	154	1	0	0	0
2012	1	0	5	12	140	5	0	0	0
2013	0	0	7	7	129	29	0	0	0
2014	2	0	4	7	112	7	0	0	0
2015	2	0	10	7	117	4	0	0	0
2016	4	0	9	4	112	14	0	0	0
2017	0	0	2	3	103	11	0	0	0
2018(5)	1	0	7	10	120	7	0	0	0

(5)The case amount of these diseases contained imported ones, including 9 rubella, and 7 chikungunya fever.

14-3d. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	Pertussis	Tetanus (7)	Japanese Encephalitis	Tuberculosis	Congenital Rubella Syndrome	Acute Hepatitis B	Acute Hepatitis C	Acute Hepatitis D	Acute Hepatitis E
1998	34	21	22	14,169	0	411	2	0	0
1999	19	20	24	13,496	0	377	4	0	1
2000	47	24	13	13,910	0	226	4	0	0
2001	6	19	33	14,486	3	355	152	4	1
2002	18	15	19	16,758	0	417	156	9	12
2003	26	13	25	15,042	0	327	167	11	11
2004	21	16	32	16,784	0	378	195	12	18
2005	38	16	35	16,472	0	321	172	4	21
2006	14	14	29	15,378	0	245	154	5	11
2007	41	10	37	14,480	1	202	153	1	12
2008	41	18	17	14,265	1	231	124	4	14
2009	90	12	18	13,336	0	152	131	1	9
2010	61	12	33	13,237	0	172	41	1	7
2011	77	10	22	12,634	0	163	34	0	12
2012	54	17	32	12,338	0	97	34	0	9
2013	51	24	16	11,528	0	97	10	0	9
2014	78	9	18	11,326	0	120	205	1	9
2015	70	12	30	10,711	0	125	217	2	8
2016	17	14	23	10,328	0	118	207	2	16
2017	34	11	25	9,759	1	151	325	0	13
2018 (6)	30	4	37	9,179	0	143	510	0	10

(6) The case amount of these diseases contained imported ones, including 2 pertussis, 10 acute hepatitis B and 7 acute hepatitis C.

(7) Calculation for tetanus and mumps were based on reported cases only.

14-3e. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	Acute Hepatitis Unspecified	Mumps (8)	Legionnaires' Disease	Invasive Haemophilus Influenzae Type b Infection	Syphilis	Congenital Syphilis	Gonorrhea	Neonatal Tetanus	Enteroviruses Infection with Severe Complications
1998	0	270	20	31	2,407	...	91	...	...
1999	0	261	22	31	3,038	...	163	...	35
2000	0	375	63	45	3,875	...	361	...	291
2001	0	444	40	49	4,256	...	443	...	393
2002	0	665	72	41	4,182	...	838	...	162
2003	0	676	109	22	3,947	...	1,626	...	70
2004	0	1,081	106	20	5,209	...	1,978	...	50
2005	10	1,158	38	12	5,305	...	1,515	...	142
2006	9	971	56	16	5,808	...	1,437	...	11
2007	10	1,208	56	16	5,798	...	1,442	0	12
2008	22	1,145	69	12	6,526	...	1,621	0	373
2009	18	1,068	84	14	6,668	...	2,137	0	29
2010	13	1,125	102	12	6,482	...	2,265	0	16
2011	10	1,171	97	9	6,372	...	1,978	0	59
2012	10	1,061	88	3	5,896	...	1,983	0	153
2013	5	1,170	115	10	6,346	...	2,155	0	12
2014	1	880	135	4	6,986	...	2,622	0	6
2015	2	773	153	3	7,471	...	3,587	0	6
2016	0	616	114	14	8,725	1	4,469	0	33
2017	0	636	188	6	9,835	0	4,601	0	24
2018 (9)	0	600	211	5	9,808	0	4,209	0	36

(8) Calculation for tetanus and mumps were based on reported cases only.

(9) The case amount of these diseases contained imported ones, including 11 cases of Legionnaires' disease were imported.

14-3f. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	HIV Infection (11)	AIDS (11)	Hansen's Disease	Herpesvirus B Infection	Leptospirosis	Melioidosis	Botulism	Invasive Pneumococcal Disease
1998	443	156	7	...	...	...	...	...
1999	508	182	3	...	...	...	...	...
2000	568	183	4	...	...	...	...	...
2001	689	166	2	...	...	...	...	...
2002	772	180	8	...	...	...	...	...
2003	861	230	9	...	...	...	...	...
2004	1,520	258	9	...	...	...	...	...
2005	3,403	506	9	...	...	...	...	...
2006	2,938	579	11	...	...	...	...	...
2007	1,935	1,061	12	0	10	4	4	169
2008	1,752	849	8	0	47	45	11	805
2009	1,648	930	7	0	203	44	1	690
2010	1,796	1,087	5	0	77	45	11	737
2011	1,967	1,075	5	0	55	45	6	837
2012	2,224	1,280	13	0	91	29	0	749
2013	2,244	1,430	7	0	82	19	1	625
2014	2,236	1,387	9	0	98	37	0	587
2015	2,327	1,440	16	0	81	32	2	524
2016	2,396	1,412	10	0	130	55	6	592
2017	2,514	1,390	10	0	101	26	0	454
2018 (10)	1,992	1,091	7	0	96	23	0	459

(10) The case amount of these diseases contained imported ones, including 1 leptospirosis, and 2 melioidosis.

(11) Figures for HIV infection and AIDS for years prior to 2002 refer to both domestic citizens and foreign nationals; figures for after refer to domestic citizens only.

14-3g. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	Q Fever	Endemic Typhus Fever	Lyme Disease	Tularemia	Scrub Typhus	Complicated Varicella	Toxoplasmosis	Severe Complicated Influenza
1998	...	...	...	...	321	...	...	...
1999	...	...	...	...	302	...	...	2
2000	...	...	...	...	270	...	...	4
2001	...	...	...	...	235	...	...	7
2002	...	...	...	...	237	...	...	5
2003	...	...	...	...	271	...	...	16
2004	...	...	...	...	368	...	...	19
2005	...	...	...	...	462	...	...	33
2006	...	...	...	...	384	...	...	25
2007	17	6	1	0	510	...	2	26
2008	91	31	2	0	492	...	3	22
2009	89	40	0	0	353	...	7	1,134
2010	89	42	0	0	402	...	5	882
2011	35	26	0	1	322	...	5	1,481
2012	53	37	1	0	460	...	12	1,595
2013	48	27	0	0	538	...	15	965
2014	42	21	2	0	414	55	12	1,721
2015	43	35	2	0	494	54	13	857
2016	45	13	2	0	488	40	10	2,084
2017	18	38	1	0	422	32	21	1,359
2018 (12)	20	22	3	0	386	54	17	1,196

(12) The case amount of these diseases contained imported ones, including 2 Q Fever, 1 endemic typhus fever, 3 Lyme disease, 2 scrub typhus, 1 toxoplasmosis, and 5 severe complicated influenza.

14-3h. Incidence of Communicable Diseases (Continued)

Unit: Persons

Period	Creutzfeldt-Jakob Disease	Brucellosis	Listeriosis (14)	Rift Valley Fever	Marburg Haemorrhagic Fever	Yellow Fever	Ebola Virus Disease	Lassa Fever	Middle East Respiratory Syndrome Coronavirus Infections	Novel Influenza A Virus Infections	Zika Virus Infection
1998	...	...	...	...	...	0	...	...	...	...	...
1999	...	...	...	...	...	0	0	...	...	...	...
2000	...	...	...	...	...	0	0	...	...	...	...
2001	...	...	...	...	...	0	0	...	...	...	...
2002	...	...	...	...	...	0	0	...	...	...	...
2003	...	...	...	...	...	0	0	...	...	...	...
2004	...	...	...	...	...	0	0	...	...	...	...
2005	...	...	...	...	...	0	0	...	...	...	...
2006	...	...	...	0	0	0	0	0	...	...	...
2007	0	...	...	0	0	0	0	0	...	...	...
2008	0	...	...	0	0	0	0	0	...	...	...
2009	3	...	...	0	0	0	0	0	...	...	...
2010	0	...	...	0	0	0	0	0	...	...	...
2011	0	...	...	0	0	0	0	0	...	...	...
2012	0	0	...	0	0	0	0	0	0	...	...
2013	0	0	...	0	0	0	0	0	0	...	...
2014	0	0	...	0	0	0	0	0	0	0	...
2015	0	1	...	0	0	0	0	0	0	0	...
2016	0	0	...	0	0	0	0	0	0	0	13
2017	0	0	...	0	0	0	0	0	0	1	4
2018 (13)	0	0	168	0	0	0	0	0	0	0	3

(13)The case amount of these diseases contained imported ones, including 1 listeriosis and 3 Zika virus infection.

(14)Taiwan CDC has listed listeriosis as a Category IV Communicable Disease since January 1, 2018.

14-4a. Leading Causes of Death

Period	Malignant Neoplasms			Heart Disease			Pneumonia			Cerebrovascular Disease			Diabetes Mellitus		
	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons
1981	2	13,764	116.2	4	7,706	85.3	7	2,833	27.7	1	14,202	146.2	12	1,613	15.6
1985	1	16,268	119.4	4	8,328	75.7	12	2,031	18.7	2	14,624	125.3	7	2,930	23.6
1990	1	18,536	115.3	4	11,505	83.9	7	3,358	25.3	2	14,174	98.4	5	3,960	26.0
1995	1	25,841	136.4	4	11,256	64.7	8	3,070	18.4	2	14,132	79.0	5	7,225	39.2
1998	1	29,260	140.5	3	11,030	55.4	7	4,447	23.0	2	12,705	63.0	5	7,532	36.7
1999	1	29,784	138.3	4	11,299	54.5	7	4,006	19.9	3	12,631	60.4	5	9,023	42.4
2000	1	31,554	141.6	3	10,552	48.8	8	3,302	15.6	2	13,332	61.1	5	9,450	42.7
2001	1	32,993	143.1	3	11,003	48.8	8	3,746	16.8	2	13,141	57.8	5	9,113	39.8
2002	1	34,342	144.2	3	11,441	48.5	7	4,530	19.4	2	12,009	50.5	4	8,818	37.1
2003	1	35,201	143.1	3	11,785	47.9	7	5,099	20.8	2	12,404	49.9	4	10,013	40.5
2004	1	36,357	142.8	2	12,861	50.1	6	5,536	21.5	3	12,339	47.8	4	9,191	35.8
2005	1	37,222	141.2	3	12,970	48.3	6	5,687	21.0	2	13,139	48.9	4	10,501	39.4
2006	1	37,998	139.3	3	12,283	43.8	6	5,396	18.9	2	12,596	44.7	4	9,690	34.9
2007	1	40,306	142.6	2	13,003	44.4	6	5,895	19.6	3	12,875	43.8	4	10,231	35.5
2008	1	38,913	133.7	2	15,726	51.7	4	8,661	27.5	3	10,663	35.0	5	8,036	26.9
2009	1	39,918	132.5	2	15,094	47.7	4	8,358	25.3	3	10,383	32.8	5	8,230	26.6
2010	1	41,046	131.6	2	15,675	47.4	4	8,909	25.6	3	10,134	30.6	5	8,211	25.3
2011	1	42,559	132.2	2	16,513	47.9	5	9,047	24.8	3	10,823	31.3	4	9,081	26.9
2012	1	43,665	131.3	2	17,121	47.9	4	9,314	24.4	3	11,061	30.8	5	9,281	26.5
2013	1	44,791	130.4	2	17,694	47.7	5	9,042	22.5	3	11,313	30.3	4	9,438	25.8
2014	1	46,093	130.2	2	19,399	50.2	4	10,353	24.7	3	11,733	30.4	5	9,846	26.0
2015	1	46,829	128.0	2	19,202	48.1	4	10,761	24.6	3	11,169	27.9	5	9,530	24.3
2016	1	47,760	126.8	2	20,812	50.3	3	12,212	26.9	4	11,846	28.6	5	9,960	24.5
2017	1	48,037	123.4	2	20,644	48.5	3	12,480	26.5	4	11,755	27.5	5	9,845	23.5
2018	1	48,784	121.8	2	21,569	48.8	3	13,421	27.4	4	11,520	26.1	5	9,374	21.5

Note: (1) The standardized death rate of all causes per 100,000 persons is based on the 2000 WHO World Standard Population.

(2) From 2008, the ROC has adopted the ICD-10 code.

Source: See Table 14-1a.

14-4b. Leading Causes of Death (Continued)

Period	Accidents & Adverse Effects			Hypertensive Disease			Nephritis, Nephrotic Syndrome & Nephrosis			Chronic Liver Disease & Cirrhosis			Suicide		
	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons	Rank	No. of Deaths (Persons)	Standardized Death Rate Per 100,000 Persons
1981	3	11,616	73.9	5	3,146	35.4	10	2,329	21.3	6	3,075	26.1	11	2,037	14.1
1985	3	11,284	66.5	5	3,460	31.6	10	2,207	17.6	6	3,153	22.9	9	2,281	14.2
1990	3	13,927	74.1	8	2,993	21.8	10	2,304	15.8	6	3,606	21.9	13	1,359	7.4
1995	3	12,983	62.6	9	2,616	15.3	7	3,519	19.9	6	4,456	22.8	11	1,618	7.8
1998	4	10,973	50.2	9	2,273	11.5	8	3,435	17.2	6	4,940	23.2	10	2,177	9.8
1999	2	12,960	58.7	10	1,856	9.0	8	3,474	16.8	6	5,180	23.5	9	2,281	10.0
2000	4	10,515	46.5	11	1,602	7.5	7	3,872	17.9	6	5,174	22.6	9	2,471	10.6
2001	4	9,513	41.5	10	1,766	7.9	7	4,056	17.9	6	5,239	22.3	9	2,781	11.7
2002	5	8,489	36.3	10	1,947	8.2	8	4,168	17.7	6	4,795	19.9	9	3,053	12.5
2003	5	8,191	34.5	10	1,844	7.4	8	4,306	17.5	6	5,185	20.9	9	3,195	12.8
2004	5	8,452	35.0	10	1,806	7.0	8	4,680	18.2	7	5,351	20.8	9	3,468	13.6
2005	5	8,365	34.0	10	1,891	7.0	8	4,822	17.9	7	5,621	21.3	9	4,282	16.6
2006	5	8,011	31.9	10	1,816	6.4	8	4,712	16.8	7	5,049	18.6	9	4,406	16.8
2007	5	7,130	27.9	10	1,977	6.6	8	5,099	17.3	7	5,160	18.4	9	3,933	14.7
2008	6	7,077	27.0	12	3,507	11.2	10	4,012	13.2	8	4,917	17.1	9	4,128	15.2
2009	6	7,358	27.7	11	3,721	11.5	10	3,999	12.5	8	4,918	16.6	9	4,063	14.7
2010	6	6,669	24.4	9	4,174	12.2	10	4,105	12.4	8	4,912	16.1	11	3,889	13.8
2011	6	6,726	24.1	9	4,631	12.9	10	4,368	12.6	8	5,153	16.5	12	3,507	12.3
2012	6	6,873	23.8	8	4,986	13.3	10	4,327	12.1	9	4,975	15.6	11	3,766	13.1
2013	6	6,619	22.4	8	5,033	12.9	10	4,489	11.9	9	4,843	14.8	11	3,565	12.0
2014	6	7,118	23.7	8	5,459	13.5	10	4,868	12.5	9	4,962	14.8	11	3,546	11.8
2015	6	7,033	22.8	8	5,536	13.2	9	4,762	11.8	10	4,688	13.6	11	3,675	12.1
2016	6	7,206	23.1	8	5,881	13.5	9	5,226	12.4	10	4,738	13.4	12	3,765	12.3
2017	6	6,965	21.9	8	6,072	13.3	9	5,381	12.4	10	4,554	12.6	11	3,871	12.5
2018	6	6,846	21.1	8	5,991	12.8	9	5,523	12.3	10	4,315	11.6	11	3,865	12.5

14-5. Food Intake Per Capita Per Day

Period	Energy (kcal)	Protein (gm)	Fat (gm)	Carbo-hydrate (gm)	Calcium (mg)	Phos-Phorus (mg)	Iron (mg)	Vitamin A Value (i.u.)	Thiamine (mg)	Ribo-flavin (mg)	Niacin (mg)	Ascorbic Acid (mg)
1952	2,078.2	49.0	35.5	385.6	233.7	872.6	8.5	4,310.4	1.12	0.47	11.3	91.3
1955	2,247.2	53.2	37.2	411.7	262.6	948.0	8.8	4,319.8	1.15	0.52	12.1	89.2
1960	2,390.0	57.1	40.9	435.4	278.7	1,004.8	9.4	4,548.7	1.22	0.54	13.2	95.2
1965	2,410.6	61.2	46.7	423.6	282.6	1,042.1	9.7	3,728.6	1.39	0.58	13.9	79.6
1970	2,661.7	72.2	63.5	438.5	372.8	1,187.8	12.0	4,261.5	1.45	0.74	15.4	93.7
1975	2,721.7	74.7	67.5	440.4	423.8	1,229.3	12.9	4,695.8	1.52	0.80	15.5	116.1
1980	2,811.8	78.2	85.6	420.5	478.2	1,258.2	13.6	6,344.7	1.68	0.95	16.3	131.2
1985	2,553.4	81.1	83.4	375.9	458.5	1,212.7	11.3	7,325.0	1.49	1.16	15.8	132.8
1990	2,836.8	92.7	109.6	377.2	557.7	1,312.3	13.0	6,492.6	1.56	1.34	16.6	131.6
1995	2,968.9	98.2	126.1	368.1	642.8	1,380.2	14.1	7,435.6	1.66	1.56	16.6	140.2
1996	2,968.7	98.3	126.6	366.9	640.2	1,355.8	14.2	7,845.0	1.61	1.55	16.6	142.5
1997	3,042.1	101.4	130.9	372.9	650.9	1,383.1	14.1	7,676.0	1.62	1.62	17.2	156.2
1998	2,886.8	95.6	121.0	361.0	585.7	1,295.0	12.7	7,498.6	1.56	1.53	16.9	139.7
1999	2,964.7	97.6	127.0	365.7	613.6	1,325.5	13.2	8,044.5	1.55	1.58	17.4	164.7
2000	2,936.8	96.2	123.5	367.8	596.6	1,292.4	13.1	7,612.7	1.56	1.54	16.7	148.9
2001	2,792.5	92.0	117.0	350.0	571.9	1,230.4	12.4	7,193.4	1.51	1.49	15.9	146.8
2002	2,866.4	94.8	124.4	349.7	610.5	1,283.0	13.2	7,773.6	1.56	1.54	16.4	158.2
2003	2,908.3	96.1	124.8	358.0	594.9	1,266.6	13.3	7,461.3	1.55	1.51	16.4	153.9
2004	2,830.1	91.9	120.0	352.8	570.6	1,214.3	12.6	7,280.5	1.52	1.46	15.8	151.2
2005	2,891.2	91.6	126.5	353.6	563.5	1,195.4	12.7	7,003.4	1.51	1.41	15.2	138.5
2006	2,673.1	80.7	114.2	337.5	483.6	1,077.7	10.8	8,996.1	1.40	1.39	14.9	151.3
2007	2,693.7	82.6	114.8	338.7	473.3	1,083.5	10.7	8,317.3	1.38	1.36	15.0	138.4
2008	2,505.6	76.3	103.8	322.6	433.0	1,004.1	10.2	8,194.6	1.29	1.23	14.1	138.0
2009	2,596.3	77.6	107.5	335.4	459.7	1,022.4	10.4	8,760.4	1.34	1.27	14.3	135.4
2010	2,602.0	78.3	110.7	329.0	446.4	1,023.2	10.4	8,548.8	1.32	1.30	14.7	141.7
2011	2,591.8	80.6	107.6	331.2	463.9	1,045.6	10.7	8,876.8	1.34	1.34	14.9	144.9
2012	2,649.3	80.5	111.2	337.8	457.6	1,040.6	10.8	9,260.1	1.33	1.30	14.8	138.2
2013	2,572.5	78.8	103.7	336.9	457.1	1,029.1	10.6	9,386.7	1.30	1.30	14.4	138.0
2014	2,685.6	80.7	113.4	342.0	466.3	1,054.1	10.8	9,771.4	1.33	1.33	14.9	138.5
2015	2,741.1	84.8	115.3	347.6	509.1	1,105.2	11.4	9,818.2	1.41	1.34	14.7	134.1
2016	2,700.9	83.4	114.0	341.8	520.1	1,096.5	11.7	10,150.9	1.40	1.32	14.5	132.2
2017	2,769.6	85.6	117.0	350.7	541.1	1,134.1	12.3	10,428.3	1.44	1.39	14.8	142.6

Source: The data are provided by the Council of Agriculture, Executive Yuan, R.O.C.(Taiwan).

14-6. Social Indicators

Period	Percentage of Population Served by Tap Water	Living Space Per Capita (sq. ft.)	Number of Health Workforce in Institutions per 10,000 Population	Number of Beds in Hospitals and Clinics per 10,000 Population	Life Expectancy at Birth		
					Total	Male	Female
1961	30.8	...	11.37	3.70	...	62.64	67.18
1965	38.3	75.6	10.31	3.52	...	65.10	69.71
1970	43.7	93.6	9.30	3.96	...	66.66	71.56
1975	50.3	147.6	16.47	18.85	...	68.27	73.42
1980	77.6	191.1	23.82	22.22	...	69.57	74.55
1985	83.1	232.0	34.42	38.47	73.02	70.82	75.81
1990	86.8	287.9	44.79	43.80	73.79	71.33	76.75
1995	91.1	335.5	55.37	52.62	74.53	71.85	77.74
1997	91.2	363.3	63.39	55.41	75.54	72.97	78.61
1998	92.4	375.4	65.70	56.80	75.76	73.12	78.93
1999	92.1	388.2	68.98	55.65	75.90	73.33	78.98
2000	92.8	397.5	71.47	56.78	76.46	73.83	79.56
2001	92.5	407.4	74.02	56.98	76.75	74.07	79.92
2002	93.4	406.4	77.90	59.23	77.19	74.58	80.24
2003	93.5	422.0	81.00	60.31	77.35	74.77	80.33
2004	93.8	431.3	84.89	63.18	77.48	74.68	80.75
2005	93.7	439.1	87.72	64.29	77.42	74.50	80.80
2006	94.6	446.9	90.47	65.12	77.90	74.86	81.41
2007	94.5	456.2	93.54	65.61	78.38	75.46	81.72
2008	94.6	459.0	97.07	66.37	78.57	75.59	81.94
2009	94.9	468.3	101.02	67.79	79.01	76.03	82.34
2010	94.9	471.5	104.12	68.61	79.18	76.13	82.55
2011	95.4	476.1	107.75	69.09	79.15	75.96	82.63
2012	95.5	480.0	110.78	69.01	79.02	76.43	82.82
2013	95.8	481.8	113.70	68.21	80.02	76.91	83.36
2014	95.7	498.5	115.88	68.91	79.84	76.72	83.19
2015	95.7	504.9	119.41	69.03	80.20	77.01	83.62
2016	96.4	513.8	122.84	69.31	80.00	76.81	83.42
2017	96.1	522.0	127.18	69.83	80.39	77.28	83.70
2018	...	...	132.64	71.02	...	...	...

Sources: 1. National Statistics, R.O.C. online database. <http://www.stat.gov.tw>

2. The data are provided by the Ministry of the Interior, and the Ministry of Health and Welfare, R.O.C. (Taiwan)

3. Data of Living Space doesn't include Kinmen and Lienchiang County.

4. The 2013 figures for Life Expectancy at Birth are preliminary data.

15. SOCIAL AFFAIRS

15-1a. Units and Persons Insured under Labor and Farmers' Insurance Schemes

End of Year	Total	Labor Insurance					
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing	Electricity, Gas and Water	Construction
I. Insured Units							
1979	31,499	31,499	258	509	16,735	123	1,060
1980	39,480	39,480	322	557	20,527	134	1,694
1981	48,716	48,716	359	602	24,682	155	2,439
1982	56,310	56,310	405	585	27,921	170	3,096
1983	67,621	67,621	585	600	33,085	170	3,809
1984	83,630	83,630	671	595	40,190	170	4,886
1985	102,269	102,228	842	622	46,734	175	6,233
1986	127,447	127,406	977	639	57,394	180	8,195
1987	161,416	161,317	1,113	657	71,978	185	10,236
1988	203,061	202,767	2,203	702	86,009	191	12,750
1989	240,995	240,706	2,352	705	97,873	200	15,224
1990	265,786	265,497	2,397	707	103,333	199	18,007
1991	295,096	294,807	2,313	727	110,160	206	21,037
1992	333,871	333,582	2,210	782	117,129	216	24,871
1993	369,091	368,803	2,163	873	121,874	216	29,462
1994	400,425	400,137	2,270	902	124,120	218	33,649
1995 (1)	386,494	386,206	2,088	818	119,901	219	33,515
1996	379,353	379,065	2,002	746	115,331	218	32,828
1997	381,520	381,231	1,917	708	113,006	222	33,160
1998	385,691	385,402	1,858	706	111,054	227	34,342
1999	390,888	390,599	1,772	701	109,448	232	35,357
2000	398,316	398,027	1,750	648	108,437	236	36,133
2001	399,592	399,303	1,739	604	105,933	245	35,971

(1) Ordinary medical insurance was placed under the administration of the National Health Insurance Program in March 1995.

Source: The data are provided by the Bureau of Labor Insurance, Ministry of Labor, R.O.C. (Taiwan).

15-1b. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Labor Insurance						Farmers' Health Insurance
	Trade and Catering (2)	Transport, Storage and Communications	Finance, Insurance and Real Estate	Business Services	Social, Personal and Related Community Services	Public Administration	
I. Insured Units							
1979	2,997	2,218	923	-	6,676	-	-
1980	4,883	2,479	1,463	-	7,421	-	-
1981	7,482	2,773	1,894	-	8,330	-	-
1982	10,120	3,026	2,113	-	8,874	-	-
1983	13,739	3,294	2,462	-	9,877	-	-
1984	19,368	3,641	3,084	-	11,025	-	-
1985	27,065	4,060	3,915	-	12,582	-	41
1986	36,619	4,453	4,868	-	14,081	-	41
1987	49,535	5,014	6,405	-	16,194	-	99
1988	66,799	5,882	8,900	-	19,331	-	294
1989	83,580	6,649	12,058	-	22,065	-	289
1990	94,893	7,208	14,346	-	24,407	-	289
1991	108,336	7,755	17,126	-	27,147	-	289
1992	125,498	8,406	23,980	-	30,490	-	289
1993	140,820	8,964	28,987	-	35,444	-	288
1994	153,223	8,974	12,931	20,426	40,862	2,562	288
1995 (1)	147,495	9,061	12,459	20,191	37,902	2,557	288
1996	146,348	9,270	11,854	20,425	37,467	2,576	288
1997	148,465	9,542	12,036	21,435	38,103	2,637	289
1998	150,391	9,816	11,843	22,898	39,842	2,425	289
1999	153,070	10,122	11,406	24,478	41,563	2,450	289
2000	156,205	10,382	10,996	27,008	43,714	2,518	289
2001	157,102	10,586	10,472	27,865	45,868	2,918	289

(2) "Commerce" has been changed to "Trade and Catering" since 1997.

15-1c. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Total	Labor Insurance					
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing	Electricity, Gas and Water	Construction
II. Persons							
1979	2,283,516	2,283,516	163,112	39,948	1,387,284	30,902	73,174
1980	2,538,125	2,538,125	168,382	39,832	1,498,444	34,050	92,704
1981	2,781,512	2,781,512	168,949	38,492	1,600,587	36,520	119,333
1982	2,950,119	2,950,119	178,395	35,926	1,630,703	37,147	141,248
1983	3,322,977	3,322,977	190,033	31,090	1,844,622	36,963	162,878
1984	3,693,276	3,693,276	200,022	26,924	2,029,474	36,210	192,189
1985	4,150,211	4,049,472	205,869	25,964	2,128,620	34,921	247,228
1986	4,825,334	4,711,969	215,110	24,441	2,482,047	33,829	309,656
1987	5,539,754	5,321,733	229,976	21,497	2,732,102	32,881	375,074
1988	6,656,618	5,980,157	224,887	19,208	2,902,353	33,260	464,229
1989	7,893,816	6,549,661	245,769	16,280	2,972,502	32,902	538,747
1990	8,424,274	6,852,978	256,580	14,473	2,957,212	34,165	599,841
1991	8,935,121	7,281,445	260,870	13,716	3,054,590	33,255	668,081
1992	9,404,035	7,708,868	269,813	13,658	3,076,198	33,066	748,458
1993	9,852,671	8,144,183	281,131	14,192	3,130,810	32,785	847,161
1994	10,234,623	8,496,883	288,429	13,651	3,161,729	32,062	914,187
1995 (1)	9,435,250	7,635,063	272,027	11,279	2,864,376	31,510	793,186
1996	9,246,592	7,434,299	278,707	10,271	2,786,830	30,397	736,981
1997	9,313,177	7,500,917	286,688	10,338	2,803,502	29,997	722,238
1998	9,403,778	7,597,386	301,482	8,464	2,788,895	29,645	722,882
1999	9,539,030	7,738,971	314,676	8,108	2,831,181	29,434	711,285
2000	9,695,289	7,915,789	326,154	7,341	2,863,182	29,598	694,087
2001	9,545,981	7,779,127	341,439	6,360	2,690,549	29,021	676,786

15-1d. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Labor Insurance						Farmers' Health Insurance
	Trade and Catering (2)	Transport, Storage and Communications	Finance, Insurance and Real Estate	Business Services	Social, Personal and Related Community Services	Public Administration	
II. Persons							
1979	95,724	271,655	53,024	-	168,693	-	-
1980	128,633	286,177	70,388	-	219,515	-	-
1981	171,897	299,189	81,260	-	265,285	-	-
1982	209,943	310,810	89,910	-	316,037	-	-
1983	260,962	324,655	103,821	-	367,953	-	-
1984	328,249	338,478	118,713	-	423,017	-	-
1985	406,840	368,290	134,001	-	497,739	-	100,739
1986	510,759	401,525	155,403	-	579,199	-	113,365
1987	651,849	425,727	186,893	-	665,734	-	218,021
1988	823,801	468,499	249,826	-	794,094	-	676,461
1989	986,849	508,914	337,137	-	910,561	-	1,344,155
1990	1,090,874	527,377	377,068	-	995,388	-	1,571,296
1991	1,207,988	546,332	416,167	-	1,080,446	-	1,653,676
1992	1,348,836	568,856	483,978	-	1,166,005	-	1,695,167
1993	1,465,316	586,579	535,841	-	1,250,368	-	1,708,488
1994	1,528,824	591,056	317,470	274,270	1,274,477	100,728	1,737,740
1995 (1)	1,310,625	544,085	315,580	244,056	1,148,155	100,184	1,800,187
1996	1,275,283	527,639	321,811	242,060	1,122,436	101,884	1,812,293
1997	1,297,616	522,130	342,748	258,737	1,109,747	117,176	1,812,260
1998	1,324,682	521,719	365,004	284,220	1,137,945	112,448	1,806,392
1999	1,361,790	522,838	374,210	310,187	1,161,769	113,493	1,800,059
2000	1,415,559	531,573	380,347	359,344	1,190,696	117,908	1,779,500
2001	1,406,212	523,369	373,678	371,024	1,223,069	137,620	1,766,854

15-1e. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Total	Labor Insurance			
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing
I. Insured Units					
2002 (3)	404,741	404,452	1,606	566	104,217
2003	414,081	413,792	1,645	541	103,506
2004	429,319	429,030	1,626	512	103,765
2005	452,187	451,899	1,562	495	104,269
2006	462,521	462,233	1,465	463	104,009
2007	467,322	467,035	1,475	460	103,208
2008	468,918	468,631	1,446	457	101,362
2009	476,483	476,196	1,574	441	99,954

End of Year	Labor Insurance				
	Electricity, Gas and Water	Construction	Trade	Accommodation and Catering	Transportation, Storage and Communications
I. Insured Units					
2002 (3)	247	35,990	155,357	6,728	10,738
2003	251	36,223	159,580	7,174	10,882
2004	248	36,908	166,270	7,926	11,098
2005	248	38,871	176,951	9,205	11,434
2006	249	40,707	180,802	9,977	11,636
2007	253	41,305	181,919	10,415	11,724
2008	250	41,322	182,142	10,908	11,681
2009	251	41,585	185,029	11,861	11,784

(3) From 2002, the figures are based on the seventh revised edition (Jan. 2001) of the R.O.C.'s Standard Industrial Classification System.

15-1f. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Labor Insurance				
	Finance and Insurance	Real Estate and Rental and Leasing	Professional, Scientific and Technical Services	Educational Services	Health Care and Social Welfare Services
I. Insured Units					
2002 (3)	4,921	6,942	25,114	9,515	15,296
2003	5,214	7,239	26,376	10,002	16,404
2004	5,662	8,164	28,154	10,601	17,723
2005	5,809	9,401	30,333	11,644	19,483
2006	5,752	10,350	31,111	12,307	20,276
2007	5,896	10,962	31,931	12,628	21,026
2008	5,983	11,048	32,567	13,009	21,909
2009	6,070	11,209	33,838	13,407	22,948

End of Year	Labor Insurance			Farmers' Health Insurance
	Cultural, Sporting and Recreational Services	Other Services	Public Administration	
I. Insured Units				
2002 (3)	4,887	19,493	2,835	289
2003	5,161	20,765	2,829	289
2004	5,308	22,264	2,801	289
2005	5,371	24,035	2,788	288
2006	5,374	24,966	2,789	288
2007	5,347	25,701	2,785	287
2008	5,342	26,406	2,799	287
2009	5,519	27,931	2,795	287

15-1g. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Total	Labor Insurance			
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing
II. Persons					
2002 (3)	9,606,400	7,857,842	355,547	5,856	2,700,285
2003	9,812,692	8,102,570	361,899	5,556	2,745,176
2004	10,018,477	8,341,927	362,052	5,511	2,810,895
2005	10,186,790	8,540,755	362,903	5,141	2,795,322
2006	10,304,068	8,681,145	364,891	4,951	2,832,438
2007	10,400,815	8,799,405	366,020	4,799	2,864,413
2008	10,368,612	8,795,248	363,635	4,641	2,771,609
2009	10,570,267	9,029,279	374,572	4,599	2,758,917

End of Year	Labor Insurance				
	Electricity, Gas and Water	Construction	Trade	Accommodation and Catering	Transportation, Storage and Communications
II. Persons					
2002 (3)	28,640	678,839	1,233,981	260,381	504,982
2003	28,667	674,535	1,298,189	263,978	496,157
2004	28,029	682,428	1,376,668	277,649	501,756
2005	28,093	695,733	1,437,245	304,613	514,012
2006	28,602	707,363	1,454,666	320,431	510,395
2007	28,547	708,254	1,466,515	331,200	503,350
2008	28,918	699,744	1,467,431	347,339	494,580
2009	29,298	708,793	1,490,436	372,282	500,792

15-1h. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

End of Year	Labor Insurance				
	Finance and Insurance	Real Estate and Rental and Leasing	Professional, Scientific and Technical Services	Educational Services	Health Care and Social Welfare Services
II. Persons					
2002 (3)	324,878	76,400	298,201	117,470	228,953
2003	329,100	82,453	325,787	124,974	245,579
2004	339,268	92,369	345,262	131,515	263,647
2005	353,038	101,566	366,999	139,170	282,729
2006	350,533	107,631	370,682	150,216	295,754
2007	358,920	113,475	383,680	158,164	309,502
2008	358,212	113,367	393,076	173,153	327,871
2009	351,390	117,864	416,616	221,656	352,554

End of Year	Labor Insurance			Farmers' Health Insurance
	Cultural, Sporting and Recreational Services	Other Services	Public Administration	
II. Persons				
2002 (3)	149,684	770,346	123,399	1,748,558
2003	153,551	800,396	166,573	1,710,122
2004	153,961	830,009	140,908	1,676,550
2005	154,348	872,112	127,731	1,646,035
2006	153,836	898,989	129,767	1,622,923
2007	151,417	926,611	124,538	1,601,410
2008	150,609	958,548	142,515	1,573,364
2009	154,934	1,037,172	137,404	1,540,988

15-1i. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

I. Insured Units

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
A. Labor Insurance (4)	489,844	503,646	508,930	517,325	527,270	537,221	544,826	553,170	561,761
Agriculture, Forestry, Fishing and Animal Husbandry	1,465	1,513	1,717	2,412	2,752	2,771	2,908	3,048	3,128
Mining and Quarrying	433	430	402	393	393	387	374	358	345
Manufacturing	100,519	101,500	100,697	100,611	100,784	100,947	100,529	100,307	100,613
Electricity and Gas Supply	239	245	255	273	282	305	338	368	405
Water Supply and Remediation Activities	3,409	3,543	3,664	3,759	3,775	3,798	3,864	3,948	4,072
Construction	42,835	44,014	44,589	45,665	46,786	48,013	48,951	49,791	50,689
Wholesale and Retail Trade	189,605	193,678	194,105	195,039	196,780	198,265	199,183	199,953	200,140
Transportation and Storage	9,621	9,789	9,906	10,034	10,108	10,266	10,330	10,431	10,576
Accommodation and Food Service Activities	13,015	14,624	16,157	17,496	19,328	21,316	23,748	26,447	28,455
Information and Communication	9,433	9,716	9,958	10,204	10,462	10,906	11,420	11,890	12,397
Financial and Insurance Activities	6,888	6,983	7,007	7,021	7,193	7,387	7,478	7,660	7,846
Real Estate Activities	10,731	11,658	12,354	13,443	14,400	14,641	14,431	14,554	14,867
Professional, Scientific and Technical Activities	28,845	30,153	30,909	31,963	33,062	34,135	34,878	35,734	36,734
Support Service Activities	12,241	12,750	13,110	13,537	13,902	14,483	15,103	15,586	16,115
Public Administration and Defence; Compulsory Social Security	2,724	2,771	2,741	2,718	2,684	2,701	2,686	2,649	2,645
Education	13,728	13,861	14,566	16,333	16,624	16,709	16,758	16,868	17,000
Human Health and Social Work Activities	23,947	25,042	25,000	24,134	24,721	25,610	26,429	27,292	28,343
Art, Entertainment and Recreation	2,197	2,319	2,385	2,543	2,718	3,111	3,345	3,680	3,923
Other Service Activities	17,969	19,057	19,408	19,747	20,516	21,470	22,073	22,606	23,468
B. Farmers' Health Insurance	287	287	287	287	287	287	287	287	287
Total, A plus B	490,131	503,933	509,217	517,612	527,557	537,508	545,113	553,457	562,048

(4) The figures during 2010 to 2012 are based on the Standard Industrial Classification System of the Republic of China (Rev.8).

Those during 2013 to 2015 are based on Rev.9, and those from 2016 are based on Rev.10.

15-1j. Units and Persons Insured under Labor and Farmers' Insurance Schemes (Continued)

II. Persons

Item	2010	2011	2012	2013	2014	2015	2016	2017	2018
A. Labor Insurance (4)	9,397,608	9,725,761	9,709,511	9,745,794	9,920,361	10,073,327	10,165,434	10,272,071	10,372,358
Agriculture, Forestry, Fishing and Animal Husbandry	376,611	379,175	371,016	365,851	365,121	364,003	359,299	352,469	345,266
Mining and Quarrying	4,642	4,807	4,528	3,919	3,852	3,781	3,732	3,700	3,715
Manufacturing	2,919,504	3,009,229	2,988,953	3,119,315	3,169,135	3,170,894	3,167,226	3,185,084	3,181,554
Electricity and Gas Supply	24,447	24,756	24,852	24,811	24,790	24,250	25,012	25,125	25,065
Water Supply and Remediation Activities	55,285	54,207	55,352	52,706	52,790	49,375	48,154	47,605	49,510
Construction	718,498	731,551	703,017	686,142	685,346	684,171	673,447	664,052	662,840
Wholesale and Retail Trade	1,560,513	1,638,980	1,661,156	1,681,402	1,722,026	1,757,714	1,790,771	1,815,323	1,833,057
Transportation and Storage	441,202	448,820	438,620	429,500	428,669	434,558	433,210	431,120	429,107
Accommodation and Food Service Activities	396,810	430,275	444,950	459,102	485,437	510,595	534,341	555,022	573,073
Information and Communication	214,145	225,663	233,883	239,097	247,195	266,121	273,823	284,956	305,820
Financial and Insurance Activities	361,216	366,271	368,257	371,081	374,359	379,306	386,075	389,249	391,759
Real Estate Activities	116,335	124,012	127,397	138,248	144,399	144,239	141,181	141,678	144,374
Professional, Scientific and Technical Activities	323,396	338,060	344,576	352,248	360,589	370,282	380,670	389,385	401,252
Support Service Activities	310,489	322,210	331,981	341,878	350,173	356,246	373,508	387,907	399,742
Defence; Compulsory Social Security	142,207	145,899	133,629	132,289	128,974	129,761	129,355	129,037	131,025
Education	218,433	232,532	254,265	279,421	294,063	319,878	318,753	331,673	337,354
Human Health and Social Work Activities	369,748	392,299	400,698	398,161	412,667	431,474	452,421	472,770	494,266
Art, Entertainment and Other Service Activities	88,429	92,567	90,800	90,968	93,279	97,522	100,064	101,215	104,785
	755,698	764,448	731,581	579,655	577,497	579,157	574,392	564,701	558,794
B. Farmers' Health Insurance	1,508,284	1,479,148	1,454,728	1,409,634	1,349,903	1,284,649	1,235,745	1,174,749	1,130,275
Total, A plus B	10,905,892	11,204,909	11,164,239	11,155,428	11,270,264	11,357,976	11,401,179	11,446,820	11,502,633

15-2a. Premiums and Compensation under Labor and Farmers' Insurance Schemes

Unit: NT\$1,000

Period	Due Premium					
	Total (A)	Labor Insurance				
		Subtotal	Industrial Workers	Workers of Commercial Firms and Shops	Employees in Journalistic, Cultural, or Cooperative Enterprises, & Nonprofit Organizations	Employees in Government Agencies and Schools
1979	7,556,988	7,556,988	5,741,543	562,738	-	407,203
1980	10,182,044	10,182,044	7,612,968	859,658	111,171	545,824
1985	28,252,328	28,175,862	17,315,007	3,663,971	691,529	1,370,456
1990	85,289,897	72,999,235	32,125,453	15,581,563	1,603,821	2,452,415
1995 (1)	141,880,521	134,902,524	49,362,124	35,921,139	3,371,880	4,092,690
1996	134,923,515	129,408,646	48,340,392	33,925,103	3,439,754	4,203,788
1997	141,008,642	135,381,193	50,826,337	36,512,468	3,697,586	4,414,803
1998	150,100,900	144,495,996	53,976,476	40,513,126	3,993,139	5,365,512
1999	146,893,936	141,303,647	53,965,785	42,132,433	4,222,730	5,814,930
2000	154,497,539	148,968,568	56,482,795	45,697,866	4,478,945	6,146,322
2001	157,245,923	151,779,807	55,653,287	47,670,538	4,706,732	6,654,590
2002	157,924,000	152,578,159	54,236,512	48,199,595	4,814,761	6,774,605
2003	145,851,186	140,484,702	47,738,079	43,480,851	4,258,692	6,138,367
2004	151,689,830	146,421,455	49,313,982	46,411,719	4,448,845	6,339,106
2005	156,020,129	150,870,801	49,637,526	48,911,042	4,641,123	6,311,276
2006	162,975,662	157,918,062	51,894,624	51,125,638	4,883,833	6,533,835
2007	168,998,570	164,025,898	53,663,583	52,474,237	5,048,332	6,834,941
2008	172,625,523	167,751,825	54,197,584	53,403,397	5,169,002	7,093,213
2009	203,025,338	198,280,835	60,204,566	61,689,120	6,320,581	9,393,000
2010	211,869,946	207,149,561	62,953,313	64,533,155	6,523,547	9,447,894
2011	238,797,813	234,167,082	71,967,623	73,706,501	7,265,137	10,077,655
2012	264,707,892	260,174,543	79,813,429	83,017,607	8,117,394	11,209,529
2013	281,347,792	276,917,214	86,877,110	90,607,554	8,972,694	12,211,275
2014	305,050,865	300,775,008	96,107,632	98,877,268	9,815,955	13,220,516
2015	330,882,749	326,794,816	105,237,239	108,413,427	10,779,101	14,369,329
2016	339,833,249	335,958,686	108,789,706	112,935,080	11,390,903	15,099,971
2017	367,069,140	363,368,964	119,213,444	123,746,823	12,570,467	16,399,675
2018	375,955,105	372,425,030	123,164,637	127,579,061	13,119,995	17,191,336

(1) See (1) of Table 15-1a.

Source: See Table 15-1a.

15-2b. Premiums and Compensation under Labor and Farmers' Insurance Schemes (Continued)

Unit: NTS\$1,000

Period	Due Premium					
	Labor Insurance					Farmers' Health Insurance
	Workers Employed in Fishery Production	Persons Receiving Training in Vocational Training Organizations	Craft Workers	Class A Members of Fishermen's Associations	Voluntary Insured Persons	
1979	-	-	449,211	236,326	159,967	-
1980	-	2,151	620,896	249,543	179,832	-
1985	-	24,737	4,003,599	616,935	489,628	76,466
1990	209,888	39,366	18,104,093	1,673,420	1,209,217	12,290,662
1995 (1)	111,551	59,564	36,428,782	2,407,354	3,147,440	6,977,997
1996	106,344	63,260	33,735,435	2,472,924	3,121,647	5,514,869
1997	106,327	69,313	33,628,170	2,736,811	3,389,379	5,627,449
1998	105,841	72,726	33,659,311	3,079,213	3,730,651	5,604,904
1999	101,365	62,857	28,590,527	2,736,269	3,676,753	5,590,289
2000	98,160	82,261	28,806,960	2,924,204	4,251,055	5,528,971
2001	92,036	84,570	29,283,400	3,114,275	4,520,379	5,466,116
2002	88,526	86,088	30,284,791	3,375,267	4,718,014	5,345,841
2003	76,176	86,140	30,819,325	3,575,829	4,311,243	5,366,484
2004	71,315	88,352	31,529,201	3,627,822	4,591,113	5,268,375
2005	64,279	92,177	32,705,268	3,653,505	4,854,606	5,149,328
2006	53,950	93,284	34,420,443	3,699,747	5,212,708	5,057,600
2007	48,089	104,357	36,508,492	3,832,283	5,511,586	4,972,672
2008	42,727	100,307	38,032,123	3,951,589	5,761,882	4,873,698
2009	46,032	136,143	48,242,931	4,892,188	7,356,273	4,744,503
2010	46,167	133,728	50,745,577	5,107,974	7,658,205	4,720,385
2011	48,113	155,993	56,660,272	5,741,727	8,544,060	4,630,731
2012	56,391	165,996	61,829,806	6,404,614	9,559,778	4,533,350
2013	61,186	182,245	60,666,806	6,851,203	10,487,141	4,430,578
2014	97,687	200,414	63,502,342	7,449,695	11,503,498	4,275,857
2015	108,415	210,406	67,006,855	8,053,325	12,616,721	4,087,933
2016	109,893	196,982	66,086,806	8,121,601	13,227,745	3,874,563
2017	126,903	205,815	67,919,693	8,586,876	14,599,268	3,700,176
2018	140,983	195,043	67,213,147	8,610,437	15,210,391	3,530,075

15-2c. Premiums and Compensation under Labor and Farmers' Insurance Schemes (Continued)

Unit: NT\$1,000

Period	Compensation (2)						
	Total (B)	Labor Insurance (3)					
		Subtotal	Industrial Workers	Workers of Commercial Firms and Shops	Employees in Journalistic, Cultural, or Cooperative Enterprises, and Nonprofit Organizations	Employees in Government Agencies and Schools	Workers Employed in Fishery Production
1979	5,848,806	5,848,806	3,023,763	143,518	-	212,238	-
1980	8,231,107	8,231,107	5,984,940	454,039	47,884	440,272	-
1985	28,207,793	28,200,943	16,904,579	2,923,659	535,937	1,475,663	-
1990	71,883,862	56,667,223	26,219,250	9,004,763	925,071	2,277,532	123,255
1995(1)	163,712,282	138,442,672	47,021,528	27,073,167	1,981,716	3,609,005	121,775
1996	74,967,832	68,898,093	28,601,890	12,052,303	1,024,090	2,842,014	110,261
1997	78,396,757	71,811,502	30,574,199	12,159,233	1,209,788	2,988,930	105,511
1998	99,217,620	89,249,883	39,024,642	15,358,740	1,496,784	3,686,428	123,380
1999	113,603,864	102,437,111	45,173,261	17,256,873	1,610,682	4,157,936	127,156
2000	120,521,196	107,018,651	41,555,238	18,385,397	1,645,380	4,081,562	152,503
2001	142,927,224	129,838,422	56,149,031	23,698,297	2,417,317	4,795,279	179,417
2002	177,489,442	168,811,914	65,968,647	34,819,676	3,053,141	5,812,854	224,687
2003	147,635,530	139,583,169	48,285,036	27,380,575	2,436,560	5,896,473	147,325
2004	158,296,007	148,899,135	47,861,605	29,273,254	2,649,945	5,526,371	150,283
2005	196,681,377	187,880,522	61,126,029	41,700,212	3,552,908	6,081,228	201,944
2006	182,032,546	173,553,028	52,530,508	37,967,127	3,052,476	5,593,703	123,653
2007	201,912,712	193,521,329	56,566,118	42,428,357	3,083,890	6,129,479	147,589
2008	367,014,562	358,294,534	80,011,961	70,400,297	3,578,871	5,631,909	207,469
2009	149,222,369	140,656,106	36,866,979	30,441,533	1,950,107	2,963,288	84,424
2010	139,796,767	131,334,290	31,344,412	27,983,395	1,977,470	3,105,043	56,606
2011	152,976,525	144,482,003	33,336,975	30,099,110	2,047,898	3,419,442	81,965
2012	271,400,066	262,690,503	49,937,740	46,599,043	2,749,241	3,995,103	89,203
2013	288,206,969	280,025,032	54,715,601	50,379,130	3,191,577	5,169,879	111,974
2014	256,969,308	248,740,631	52,180,368	46,604,452	3,577,438	6,185,135	109,818
2015	290,118,729	282,450,879	59,465,279	53,558,668	4,122,979	7,583,473	87,881
2016	333,445,849	325,949,339	69,315,296	61,535,197	4,745,788	9,167,204	96,889
2017	396,987,201	389,545,033	82,345,454	74,266,415	5,738,837	11,069,767	98,684
2018	403,733,995	396,360,540	85,250,974	76,124,064	6,279,389	12,375,818	77,981

(2) Amounts disbursed.

(3) Due to the lack of detailed classification in some cases, the total shown in this table does not tally exactly with the sum of its items.

15-2d. Premiums and Compensation under Labor and Farmers' Insurance Schemes (Continued)

Unit: NT\$1,000

Period	Compensation (2)					Comparison Amount (A)-(B)
	Labor Insurance (3)				Farmers' Health Insurance	
	Persons Receiving Training in Vocational Training Organizations	Craft Workers	Class A Members of Fishermen's Associations	Voluntary Insured Persons		
1979	-	256,716	237,788	49,668	-	1,708,182
1980	652	756,076	430,779	116,464	-	1,950,937
1985	16,012	4,963,437	1,044,851	336,804	6,850	44,535
1990	20,527	14,511,684	2,536,128	1,049,012	15,216,639	13,406,035
1995 (1)	25,704	46,596,857	9,636,212	2,376,707	25,269,610	-21,831,761
1996	5,510	20,360,374	2,801,428	1,100,223	6,069,739	59,955,683
1997	5,937	20,829,513	2,556,364	1,374,675	6,585,255	62,611,885
1998	3,853	25,369,290	2,708,969	1,477,346	9,967,737	50,883,280
1999	8,904	28,716,804	3,605,048	1,779,807	11,166,753	33,290,072
2000	4,823	30,152,273	4,080,282	1,842,379	13,502,545	33,976,343
2001	15,228	35,603,725	4,640,124	2,338,417	13,088,802	14,318,699
2002	26,122	48,906,737	5,264,286	4,734,061	8,677,528	-19,565,442
2003	10,334	46,644,420	4,868,972	3,912,464	8,052,361	-1,784,344
2004	15,225	53,322,658	5,665,070	4,431,216	9,396,872	-6,606,177
2005	16,512	62,935,838	6,451,715	5,792,859	8,800,855	-40,661,248
2006	21,741	60,788,826	7,210,273	6,254,393	8,479,518	-19,056,884
2007	142,793	71,554,953	6,591,361	6,835,952	8,391,384	-32,914,142
2008	276,501	177,912,650	11,003,776	9,224,492	8,720,028	-194,389,039
2009	129,395	57,329,218	4,946,931	5,916,536	8,566,263	53,802,970
2010	217,809	56,029,165	4,308,260	6,255,627	8,462,478	72,073,179
2011	253,811	64,812,709	4,265,119	6,115,567	8,494,522	85,821,288
2012	408,859	143,759,509	7,048,409	8,062,968	8,709,562	-6,692,173
2013	531,077	149,732,733	7,568,555	8,582,214	8,181,937	-6,859,177
2014	513,989	124,708,265	6,809,543	7,996,992	8,228,677	48,081,557
2015	570,123	140,565,727	7,752,711	8,680,735	7,667,850	40,764,020
2016	652,273	161,745,859	9,225,526	9,394,136	7,496,510	6,387,400
2017	794,063	192,661,099	11,633,233	10,856,317	7,442,168	-29,918,060
2018	861,266	192,169,892	12,188,759	10,932,344	7,373,454	-27,778,889

15-3a. Compensation from Labor and Farmers' Insurance Schemes by Industry

Period	Compensation						
	Total	Labor Insurance (2)					
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing	Electricity, Gas and Water	Construction
I. Cases							
1980	24,207,282	24,207,282	1,412,263	859,955	14,806,644	355,988	754,868
1981	27,016,035	27,016,035	1,455,699	787,383	16,138,436	404,540	981,639
1982	30,113,350	30,113,350	1,525,596	721,849	17,483,295	417,900	1,266,267
1983	32,350,354	32,350,354	1,501,938	662,152	18,433,618	418,221	1,498,007
1984	36,583,405	36,583,405	1,585,434	560,260	20,860,423	429,663	1,773,137
1985	40,559,282	40,554,648	1,678,147	512,130	22,486,105	431,722	2,231,195
1986	43,040,001	42,267,120	1,672,319	469,659	22,959,698	388,751	2,600,954
1987	54,372,433	52,851,053	1,919,728	442,953	28,674,174	416,818	3,459,293
1988	52,438,073	50,135,154	1,683,502	304,187	26,685,396	344,510	3,419,460
1989	81,397,747	72,921,823	2,640,820	304,896	36,867,241	458,133	5,398,478
1990	76,685,474	59,701,501	2,299,123	175,759	27,782,811	338,081	4,744,424
1991	81,094,231	63,404,375	2,589,698	149,707	28,816,454	339,115	5,321,276
1992	157,863,396	118,835,141	4,701,503	232,207	50,768,488	607,440	10,180,711
1993	147,002,892	110,611,851	4,370,071	172,625	44,729,961	465,123	10,047,700
1994	170,417,171	126,358,657	5,162,056	222,867	49,032,728	570,962	12,060,360
1995 (1)	79,281,430	57,903,636	2,412,022	172,169	21,802,826	254,148	5,621,683
1996	623,980	562,285	24,318	1,421	211,742	2,034	60,599
1997	591,476	540,870	23,627	1,114	199,065	1,922	55,758
1998	722,483	626,074	24,927	1,553	264,598	2,132	73,614
1999	777,646	689,926	28,455	7,544	302,456	2,522	71,038
2000	875,039	777,038	30,683	2,187	373,778	3,641	71,049
2001	1,222,745	1,125,901	31,510	1,882	548,427	3,668	87,220

(1) See (1) of Table 15-1a.

(2) See (3) of Table 15-2c.

Source: See Table 15-1a.

15-3b. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation						
	Labor Insurance (2)						Farmers' Health Insurance
	Trade and Catering	Transport, Storage and Communications	Finance, Insurance and Real Estate	Business Services	Social, Personal and Related Community Services	Public Administration	
I. Cases							
1980	899,006	2,655,142	462,180	-	2,001,236	-	-
1981	1,184,593	2,927,848	595,249	-	2,540,648	-	-
1982	1,640,551	3,177,650	712,347	-	3,167,895	-	-
1983	1,994,169	3,376,455	808,362	-	3,657,432	-	-
1984	2,496,218	3,612,574	943,220	-	4,322,476	-	-
1985	3,152,710	3,880,977	1,118,267	-	5,063,395	-	4,634
1986	3,575,779	3,945,855	1,195,908	-	5,458,197	-	772,881
1987	4,908,377	4,532,967	1,510,915	-	6,985,828	-	1,521,380
1988	5,228,666	4,138,309	1,510,414	-	6,820,710	-	2,302,919
1989	8,512,953	5,806,643	2,543,048	-	10,389,611	-	8,475,924
1990	7,801,047	4,769,448	2,582,647	-	9,208,161	-	16,983,973
1991	8,332,251	5,011,082	2,825,672	-	10,019,120	-	17,689,856
1992	17,469,933	9,143,338	5,965,814	-	19,765,707	-	39,028,255
1993	17,038,858	8,335,068	5,866,366	-	19,586,079	-	36,391,041
1994	19,803,415	9,200,818	4,036,510	3,466,150	20,980,218	1,822,573	44,058,514
1995 (1)	9,321,918	4,139,510	1,900,504	1,656,411	9,802,292	820,153	21,377,794
1996	86,380	42,691	19,607	15,863	91,454	6,176	61,695
1997	79,695	40,931	19,278	14,658	85,239	6,954	50,606
1998	82,453	47,883	19,970	15,372	85,622	7,950	96,409
1999	86,733	48,162	23,703	17,170	94,087	8,056	87,720
2000	96,111	49,120	27,424	20,081	95,242	7,722	98,001
2001	170,597	62,839	43,277	45,423	121,775	9,283	96,844

15-3c. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation						
	Total	Labor Insurance (2)					
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing	Electricity, Gas and Water	Construction
II. Amount (NT\$1,000)							
1980	8,231,107	8,231,107	537,472	474,027	4,417,309	127,963	338,567
1981	11,626,083	11,626,083	715,157	597,684	6,091,706	176,340	558,272
1982	15,024,701	15,024,701	898,851	743,206	7,486,403	231,565	806,029
1983	17,799,425	17,799,425	882,769	1,129,032	8,717,976	267,189	984,656
1984	22,283,706	22,283,706	1,061,191	1,195,904	10,805,595	324,703	1,301,633
1985	28,207,793	28,200,943	1,374,564	1,190,428	13,616,046	382,294	1,778,206
1986	31,442,647	30,920,294	1,840,949	1,222,113	14,308,249	395,929	2,072,128
1987	39,507,709	38,435,166	1,725,792	1,515,107	17,897,828	441,004	2,743,252
1988	44,094,801	42,446,510	1,872,965	1,307,711	19,755,560	480,157	3,118,048
1989	59,422,476	53,488,063	2,531,949	1,087,397	24,076,626	570,114	4,297,323
1990	71,883,862	56,667,223	3,207,316	783,200	24,463,300	592,955	4,746,348
1991	82,069,651	65,808,939	5,948,453	560,149	27,074,989	683,636	5,586,160
1992	124,864,465	96,502,092	5,604,890	583,061	39,566,154	854,899	8,389,231
1993	130,549,934	103,241,626	5,959,806	528,115	40,893,087	891,997	9,433,276
1994	161,601,280	128,346,763	7,727,440	621,811	48,540,690	1,339,663	12,304,748
1995 (1)	163,712,282	138,442,672	11,351,122	836,392	49,910,081	910,737	13,968,760
1996	74,967,832	68,898,093	3,697,055	561,479	27,051,906	1,043,060	6,414,421
1997	78,396,757	71,811,502	3,521,223	522,409	28,565,711	1,063,095	6,687,263
1998	99,217,620	89,249,883	3,805,742	507,812	35,028,431	1,084,702	8,170,987
1999	113,603,864	102,437,111	4,903,282	1,984,922	38,906,204	1,329,881	9,319,089
2000	120,521,196	107,018,651	5,414,231	637,504	40,502,599	1,341,010	9,391,749
2001	142,927,224	129,838,422	6,086,234	535,232	54,298,151	1,402,023	11,025,238

15-3d. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation						
	Labor Insurance (2)						Farmers' Health Insurance
	Trade and Catering	Transport, Storage and Communications	Finance, Insurance and Real Estate	Business Services	Social, Personal and Related Community Services	Public Administration	
II. Amount (NT\$1,000)							
1980	321,771	1,061,398	131,125	-	821,475	-	-
1981	575,647	1,381,484	208,268	-	1,321,524	-	-
1982	895,862	1,800,342	308,841	-	1,853,603	-	-
1983	1,126,669	2,060,048	413,406	-	2,217,680	-	-
1984	1,597,764	2,552,648	524,888	-	2,919,381	-	-
1985	2,267,157	3,091,404	706,062	-	3,794,781	-	6,850
1986	2,609,637	3,392,178	794,704	-	4,284,407	-	522,353
1987	3,694,318	3,942,923	1,014,679	-	5,460,263	-	1,072,543
1988	4,403,139	4,355,160	1,149,572	-	6,004,196	-	1,648,291
1989	6,142,468	5,365,758	1,664,747	-	7,751,680	-	5,934,413
1990	6,787,216	5,670,422	2,014,563	-	8,401,902	-	15,216,639
1991	7,553,124	6,398,697	2,423,591	-	9,580,140	-	16,260,712
1992	13,119,894	8,968,627	4,241,243	-	15,174,093	-	28,362,373
1993	14,382,624	9,894,799	4,830,524	-	16,427,398	-	27,308,308
1994	17,998,014	12,480,691	3,406,410	3,031,701	18,750,506	2,145,089	33,254,517
1995 (1)	20,035,325	13,550,081	3,171,198	3,193,521	19,767,083	1,748,373	25,269,610
1996	8,278,744	8,151,729	1,810,833	1,327,047	9,192,909	1,368,910	6,069,739
1997	8,370,872	8,710,525	2,053,641	1,339,997	9,226,312	1,743,104	6,585,255
1998	10,099,793	12,896,014	2,648,179	1,687,008	11,047,277	2,273,487	9,967,737
1999	11,262,500	14,710,318	2,983,346	1,993,407	12,619,999	2,423,521	11,166,753
2000	11,624,435	12,117,777	3,372,215	2,251,293	12,954,051	2,292,975	13,502,545
2001	14,740,480	15,079,403	4,443,620	3,142,509	16,436,544	2,647,400	13,088,802

15-3e. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation				
	Labor Insurance (2)				
	Total	Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing
I. Cases					
2002 (3)	2,105,231	2,035,642	39,997	2,375	950,739
2003	1,244,377	1,182,692	33,119	1,613	554,865
2004	1,559,711	1,491,592	36,046	1,579	716,720
2005	1,409,876	1,346,899	34,204	1,450	625,852
2006	1,357,168	1,297,393	34,080	1,081	591,006
2007	2,008,564	1,949,517	41,067	1,427	910,574
2008	2,289,541	2,229,909	52,745	1,373	901,801
2009 (4)	1,651,696	1,593,848	40,806	1,803	681,333

Period	Compensation				
	Labor Insurance (2)				
	Electricity, Gas and Water	Construction	Trade	Accommodation and Catering	Transportation, Storage and Communications
I. Cases					
2002 (3)	4,454	245,450	262,240	46,621	108,559
2003	3,399	161,834	118,719	30,872	71,044
2004	4,389	199,148	149,148	36,721	84,300
2005	4,020	157,988	144,075	33,633	74,950
2006	4,117	143,518	147,099	35,123	71,553
2007	7,250	202,988	224,939	53,615	97,164
2008	6,373	246,556	279,246	74,105	124,036
2009 (4)	5,556	157,651	193,375	49,330	85,351

(3) See (3) of Table 15-1e.

(4)After the implementation of the labor insurance pension scheme from 2009, the cases are the sum of persons receiving pensions at the end of the year and the accumulation of lump sum benefits cases per month.

15-3f. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation				
	Labor Insurance (2)				
	Finance and Insurance	Real Estate and Rental and Leasing	Professional, Scientific and Technical Services	Educational Services	Health Care and Social Welfare Services
I. Cases					
2002 (3)	51,924	20,272	58,905	16,300	44,781
2003	23,129	6,947	20,833	9,076	34,007
2004	25,054	8,308	27,298	11,479	49,561
2005	25,132	8,488	26,237	10,171	44,730
2006	26,326	9,644	29,507	11,005	44,935
2007	35,897	13,679	44,434	17,278	73,410
2008	47,364	19,055	56,948	22,433	83,115
2009 (4)	36,017	14,034	41,418	17,396	59,601

Period	Compensation			
	Labor Insurance (2)			Farmers' Health Insurance
	Cultural, Sporting and Recreational Services	Other Services	Public Administration	
I. Cases				
2002 (3)	39,771	120,912	22,342	69,589
2003	15,200	85,602	12,433	61,685
2004	16,928	103,655	16,368	68,119
2005	15,453	103,188	12,770	62,977
2006	16,091	107,569	13,953	59,775
2007	22,395	152,635	20,714	59,047
2008	28,770	213,214	24,492	59,632
2009 (4)	19,244	147,119	19,136	57,848

15-3g. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation				
	Total	Labor Insurance (2)			
		Subtotal	Agriculture, Forestry, Fishery and Animal Husbandry	Mining and Quarrying	Manufacturing
II. Amount (NT\$1,000)					
2002 (3)	177,489,441	168,811,914	7,074,190	392,501	66,207,840
2003	147,635,529	139,583,169	6,578,218	328,915	48,487,773
2004	158,296,007	148,899,135	7,381,695	263,265	50,139,747
2005	196,681,377	187,880,522	8,564,582	333,410	64,775,551
2006	182,032,547	173,553,028	9,133,705	190,289	56,674,291
2007	201,912,712	193,521,329	8,733,102	298,109	62,544,944
2008	367,014,561	358,294,534	15,743,766	312,176	110,158,517
2009 (5)	149,222,369	140,656,106	6,617,459	155,458	45,233,995

Period	Compensation				
	Labor Insurance (2)				
	Electricity, Gas and Water	Construction	Trade	Accommodation and Catering	Transportation, Storage and Communications
II. Amount (NT\$1,000)					
2002 (3)	1,257,223	14,708,433	18,219,123	4,540,679	20,103,629
2003	1,341,131	13,078,853	14,927,371	4,228,795	19,040,481
2004	1,474,500	14,586,275	16,164,628	4,589,342	19,147,602
2005	1,477,839	17,832,690	23,680,514	5,724,086	21,376,903
2006	1,383,232	16,547,823	21,464,554	5,415,618	18,912,132
2007	1,648,977	19,380,929	24,806,659	6,292,503	20,691,960
2008	1,226,084	44,902,421	43,751,971	14,881,737	36,429,550
2009 (5)	395,404	15,939,457	17,483,427	5,126,117	12,498,791

(5) After the implementation of the labor insurance pension scheme from 2009, the amount is the sum of pension benefit payments and lump sum benefit payments.

15-3h. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

Period	Compensation				
	Labor Insurance (2)				
	Finance and Insurance	Real Estate and Rental and Leasing	Professional, Scientific and Technical Services	Educational Services	Health Care and Social Welfare Services
II. Amount (NT\$1,000)					
2002 (3)	4,831,392	1,608,465	3,780,720	1,533,393	2,049,292
2003	3,597,069	1,315,785	2,934,884	1,547,132	2,126,379
2004	3,996,354	1,431,807	3,279,798	1,584,925	2,151,040
2005	5,129,042	1,985,655	4,489,001	1,751,618	2,772,129
2006	4,704,360	2,373,328	4,378,638	1,670,118	2,597,837
2007	5,035,763	2,058,998	5,170,072	2,036,079	2,960,334
2008	7,650,166	3,840,882	8,361,894	2,371,866	3,908,379
2009 (5)	3,943,330	1,703,169	3,558,402	1,131,404	2,171,444

Period	Compensation			
	Labor Insurance (2)			Farmers' Health Insurance
	Cultural, Sporting and Recreational Services	Other Services	Public Administration	
II. Amount (NT\$1,000)				
2002 (3)	3,391,793	15,924,804	3,186,734	8,677,528
2003	2,554,159	14,104,497	3,390,718	8,052,361
2004	2,547,873	16,878,044	3,278,732	9,396,872
2005	3,298,052	21,341,270	3,326,903	8,800,855
2006	3,386,617	21,490,681	3,219,477	8,479,518
2007	3,422,888	24,771,052	3,628,125	8,391,384
2008	6,120,050	55,224,056	3,364,412	8,720,028
2009 (5)	2,413,542	20,609,490	1,641,911	8,566,263

15-3i. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

End of Year	Total	Labor Insurance (2) (6)									
		Subtotal	Agriculture, Forestry, Fishing & Animal Husbandry	Mining & Quarrying	Manufacturing	Electricity & Gas Supply	Water Supply & Remediation Activities	Construction	Wholesale & Retail Trade	Transportation & Storage	Accommodation & Food Service Activities
I. Cases											
2010	2,501,350	2,444,938	56,697	1,825	938,473	7,047	19,982	263,041	316,982	119,454	88,835
2013	2,389,842	2,337,385	66,583	1,467	906,833	6,297	17,369	239,294	296,470	128,683	97,572
2014	2,723,858	2,671,479	75,284	1,585	999,956	7,492	18,845	267,586	351,143	142,566	114,735
2015	2,885,496	2,836,438	81,851	1,604	1,045,141	8,365	18,547	280,954	377,475	155,105	126,798
2016	3,083,892	3,036,698	91,147	1,806	1,084,804	9,294	18,348	301,492	407,705	168,194	140,027
2017	3,340,788	3,294,402	104,536	1,843	1,176,849	10,632	19,560	319,820	438,174	181,176	153,660
2018	3,661,667	3,616,149	115,478	2,033	1,263,358	11,487	21,219	339,489	489,353	194,059	175,182
End of Year	Labor Insurance (2) (6)										
	Information & Communication	Financial & Insurance Activities	Real Estate Activities	Professional, Scientific & Technical Activities	Support Service Activities	Public Administration & Defence; Compulsory Social Security	Education	Human Health & Social Work Activities	Art, Entertainment & Recreation	Other Service Activities	Farmers' Health Insurance
I. Cases											
2010	31,186	57,222	19,902	55,868	60,945	35,409	33,334	104,041	19,567	169,154	56,412
2013	29,986	53,387	22,038	53,090	66,230	29,177	34,962	90,143	20,696	163,059	52,457
2014	36,629	63,679	26,570	64,205	78,305	36,930	43,947	109,684	24,334	184,904	52,379
2015	40,434	69,027	30,112	67,670	86,930	40,226	46,886	112,611	25,872	196,009	49,058
2016	44,540	76,005	33,461	75,947	97,603	44,574	54,002	120,268	29,402	212,336	47,194
2017	50,229	84,890	35,483	82,572	104,739	50,038	59,516	130,368	31,818	228,787	46,386
2018	60,352	96,376	39,045	94,307	121,431	57,003	68,246	148,592	34,700	248,330	45,518

(6) See (4) of Table 15-1i.

15-3j. Compensation from Labor and Farmers' Insurance Schemes by Industry (Continued)

End of Year	Total	Labor Insurance (2) (6)									
		Subtotal	Agriculture, Forestry, Fishing & Animal Husbandry	Mining & Quarrying	Manufacturing	Electricity & Gas Supply	Water Supply & Remediation Activities	Construction	Wholesale & Retail Trade	Transportation & Storage	Accommodation & Food Service Activities
II. Amount (NT\$1,000)											
2010	139,796,767	131,334,290	5,931,686	137,826	38,765,946	352,946	1,073,509	15,247,872	16,403,906	11,508,285	5,007,715
2013	288,206,969	280,025,032	12,009,753	203,665	90,748,673	715,546	1,936,025	35,853,495	31,984,258	24,479,394	12,293,260
2014	256,969,308	248,740,631	10,633,710	191,695	79,682,754	948,232	1,753,196	29,986,984	28,832,154	20,994,694	10,547,388
2015	290,118,729	282,450,879	11,998,711	249,335	89,835,320	1,214,206	1,958,940	33,696,762	33,287,274	23,577,440	11,963,890
2016	333,445,849	325,949,339	14,088,527	293,941	103,727,803	1,568,667	2,208,442	38,790,630	38,651,596	26,463,736	13,770,768
2017	396,987,201	389,545,033	17,453,479	336,019	122,039,235	1,934,741	2,571,212	46,769,468	46,452,524	31,026,054	16,783,824
2018	403,733,995	396,360,540	18,166,697	349,789	123,971,638	2,218,555	2,622,345	46,460,509	47,005,664	31,016,571	16,844,437
End of Year	Labor Insurance (2) (6)										
	Information & Communication	Financial & Insurance Activities	Real Estate Activities	Professional, Scientific & Technical Activities	Support Service Activities	Public Administration & Defence; Compulsory Social Security	Education	Human Health & Social Work Activities	Art, Entertainment & Recreation	Other Service Activities	Farmers' Health Insurance
II. Amount (NT\$1,000)											
2010	1,755,746	3,628,280	1,417,856	2,852,731	3,520,482	1,766,613	1,300,487	2,276,526	1,413,516	16,912,060	8,462,478
2013	3,160,464	6,236,634	2,952,716	5,991,067	7,740,880	3,075,911	2,782,271	3,916,906	3,513,179	30,385,044	8,181,937
2014	3,032,967	6,474,687	2,742,478	5,654,451	7,221,674	3,524,041	3,106,730	4,256,584	2,996,460	26,101,829	8,228,677
2015	3,366,568	7,527,299	3,253,017	6,753,835	8,310,921	4,361,428	3,774,887	5,081,154	3,351,123	28,822,520	7,667,850
2016	3,892,907	8,542,116	3,997,643	7,886,249	9,747,013	5,391,332	4,451,766	5,989,898	3,921,500	32,490,882	7,496,510
2017	4,854,806	10,336,080	4,832,716	9,651,380	11,931,042	6,522,015	5,496,186	7,318,937	4,838,677	38,312,799	7,442,168
2018	5,210,382	11,146,124	4,904,903	10,185,830	12,272,773	7,302,280	5,873,532	7,746,105	4,559,023	38,400,907	7,373,454

15-4a. Compensation from Labor Insurance by Category of Payment

Period	Total	Cash Benefit Payments							Medical Benefit Payments
		Subtotal	Maternity Benefit Payments	Injury or Illness Benefit Payments	Disability Benefit Payments	Old-age Benefit Payments	Death Benefit Payments	Unemployment Benefit Payments	
I. Cases									
1979	20,979,812	192,417	123,183	21,754	5,192	11,652	30,636	-	20,787,395
1980	24,207,282	223,757	129,191	40,467	5,655	13,883	34,561	-	23,983,525
1985	40,554,648	373,271	171,819	116,587	9,731	24,545	50,589	-	40,181,377
1990	59,701,501	544,448	251,012	190,191	11,949	35,209	56,087	-	59,157,053
1995 (1)	57,903,636	733,513	250,307	168,224	19,391	206,369	89,222	-	57,170,123
1999	689,926	603,856	134,578	179,497	52,296	103,187	94,827	39,471	86,070
2000	777,038	671,683	141,189	189,350	45,651	92,863	97,403	105,227	105,355
2001	1,125,901	1,055,243	120,298	193,636	42,470	115,275	97,713	485,851	70,658
2002	2,035,642	1,186,303	108,593	189,226	42,007	136,649	98,182	611,646	849,339
2003	1,182,692	525,320	99,731	176,077	36,191	113,968	99,353	-	657,372
2004	1,491,592	555,565	99,595	192,909	36,623	121,666	104,772	-	936,027
2005	1,346,899	587,003	100,658	188,038	34,877	155,151	108,279	-	759,896
2006	1,297,393	571,320	101,386	195,760	35,090	131,363	107,721	-	726,073
2007	1,949,517	601,006	106,339	207,089	34,451	142,053	111,074	-	1,348,511
2008	2,229,909	770,197	110,374	217,821	33,873	293,635	114,494	-	1,459,712
2009 (2)	1,593,848	692,797	114,538	212,477	32,097	218,690	114,995	-	901,051
2010	2,444,938	674,503	102,317	215,495	30,788	206,933	118,970	-	1,770,435
2011	2,209,771	770,932	123,797	217,104	29,910	274,050	126,071	-	1,438,839
2012	2,868,822	1,001,327	147,206	216,518	30,600	476,767	130,236	-	1,867,495
2013	2,337,385	1,141,856	139,165	199,496	29,296	642,182	131,717	-	1,195,529
2014	2,671,479	1,216,023	145,370	191,566	27,180	712,427	139,480	-	1,455,456
2015	2,836,438	1,335,682	148,859	184,986	24,533	834,327	142,977	-	1,500,756
2016	3,036,698	1,501,883	145,934	180,986	23,345	999,016	152,602	-	1,534,815
2017	3,294,402	1,669,317	137,576	176,733	23,028	1,176,871	155,109	-	1,625,085
2018	3,616,149	1,771,624	136,989	173,624	22,929	1,274,699	163,383	-	1,844,525

(1) See (1) of Table 15-1a.

(2) See (4) of Table 15-3e.

Source: See Table 15-1a.

15-4b. Compensation from Labor Insurance by Category of Payment (Continued)

Period	Total	Cash Benefit Payments							Medical Benefit Payments
		Subtotal	Maternity Benefit Payments	Injury or Illness Benefit Payments	Disability Benefit Payments	Old-age Benefit Payments	Death Benefit Payments	Unemployment Benefit Payments	
II. Amount (NT\$1,000)									
1979	5,848,806	2,692,181	465,148	71,743	211,063	1,071,688	872,538	-	3,156,625
1980	8,231,107	3,543,791	592,031	109,046	246,952	1,381,795	1,213,968	-	4,687,316
1985	28,200,943	10,253,804	1,862,738	465,208	821,449	3,757,409	3,347,000	-	17,947,139
1990	56,667,223	25,063,722	4,643,707	790,731	1,054,928	9,875,556	8,698,800	-	31,603,501
1995(1)	138,442,672	92,360,494	5,391,278	1,225,742	3,336,340	64,277,837	18,129,298	-	46,082,178
1999	102,437,111	101,428,197	3,131,457	2,273,835	13,019,655	62,340,483	20,146,397	516,371	1,008,914
2000	107,018,651	100,882,032	3,366,031	2,625,701	11,123,781	61,129,249	20,972,751	1,664,519	6,136,619
2001	129,838,422	129,371,377	2,934,533	2,591,119	10,956,959	84,137,766	20,925,560	7,825,440	467,046
2002	168,811,914	166,941,630	2,689,447	2,481,261	10,246,352	120,668,543	20,651,908	10,204,120	1,870,284
2003	139,583,169	137,798,924	2,492,707	2,450,510	8,771,951	103,200,785	20,882,972	-	1,784,244
2004	148,899,135	147,071,314	2,514,024	2,681,654	8,682,816	111,330,077	21,862,742	-	1,827,821
2005	187,880,522	185,965,543	2,573,172	2,715,772	8,413,751	149,647,800	22,615,048	-	1,914,979
2006	173,553,028	171,672,482	2,642,336	2,934,663	8,929,945	134,399,188	22,766,349	-	1,880,547
2007	193,521,329	190,280,831	2,816,589	3,046,989	8,569,992	152,534,198	23,313,063	-	3,240,498
2008	358,294,534	356,287,174	2,968,860	3,326,565	8,623,458	317,143,713	24,224,578	-	2,007,360
2009(3)	140,656,106	137,755,627	3,083,185	3,440,002	7,974,511	100,611,189	22,646,740	-	2,900,479
2010	131,334,290	128,199,631	2,755,303	3,678,508	7,485,163	91,434,891	22,845,767	-	3,134,658
2011	144,482,003	141,555,493	3,355,471	3,865,797	7,272,310	103,190,865	23,871,050	-	2,926,510
2012	262,690,503	259,325,709	4,031,613	3,894,128	7,719,435	219,523,485	24,157,048	-	3,364,794
2013	280,025,032	277,338,051	3,891,028	3,535,433	7,329,888	239,127,229	23,454,473	-	2,686,981
2014	248,740,631	245,830,267	6,136,700	3,395,961	6,867,837	205,530,171	23,899,598	-	2,910,364
2015	282,450,879	279,438,284	8,629,259	3,357,937	5,974,976	237,426,925	24,049,187	-	3,012,596
2016	325,949,339	323,173,412	8,629,649	3,321,385	5,799,534	280,160,735	25,262,109	-	2,775,927
2017	389,545,033	386,598,773	8,373,729	3,176,732	5,720,758	343,998,367	25,329,187	-	2,946,260
2018	396,360,540	393,198,215	8,483,832	3,074,892	5,652,740	348,917,926	27,068,824	-	3,162,325

(3) See (5) of Table 15-3g.

15-5a. Compensation from Farmers' Insurance by Category of Payment

Period	Total	Cash Benefit Payments				Medical Benefit Payments
		Subtotal	Maternity Benefit Payments	Disability Benefit Payments	Funeral Grants	
I. Cases						
1985	4,634	250	93	-	157	4,384
1990	16,983,973	35,308	7,218	808	27,282	16,948,665
1995 (1)	21,377,794	50,029	14,153	2,151	33,725	21,327,765
1996	61,695	51,033	12,726	3,160	35,147	10,662
1997	50,606	50,596	10,669	5,896	34,031	10
1998	96,409	96,409	46,073	17,491	32,845	-
1999	87,720	87,720	28,377	27,902	31,441	-
2000	98,001	98,001	25,460	45,634	26,907	-
2001	96,844	96,844	21,992	47,967	26,885	-
2002	69,589	69,589	17,834	25,741	26,014	-
2003	61,685	61,685	14,748	20,604	26,333	-
2004	68,119	68,119	13,074	23,049	31,996	-
2005	62,977	62,977	10,663	22,547	29,767	-
2006	59,775	59,775	9,042	22,049	28,684	-
2007	59,047	59,047	7,804	21,585	29,658	-
2008	59,632	59,632	6,946	22,662	30,024	-
2009	57,848	57,848	6,069	22,226	29,553	-
2010	56,412	56,412	4,998	21,507	29,907	-
2011	56,859	56,859	5,101	20,867	30,891	-
2012	56,234	56,234	5,314	20,166	30,754	-
2013	52,457	52,457	4,347	17,654	30,456	-
2014	52,379	52,379	3,853	16,771	31,755	-
2015	49,058	49,058	3,682	14,507	30,869	-
2016	47,194	47,194	3,046	12,773	31,375	-
2017	46,386	46,386	2,781	12,595	31,010	-
2018	45,518	45,518	2,459	12,481	30,578	-

(1) See (1) of Table 15-1a.

Source: See Table 15-1a.

15-5b. Compensation from Farmers' Insurance by Category of Payment (Continued)

Period	Total	Cash Benefit Payments				Medical Benefit Payments
		Subtotal	Maternity Benefit Payments	Disability Benefit Payments	Funeral Grants	
II. Amount (NT\$1,000)						
1985	6,850	6,092	1,147	-	4,946	758
1990	15,216,639	4,380,487	146,119	64,833	4,169,535	10,836,152
1995 (1)	25,269,610	5,611,877	200,787	251,165	5,159,925	19,657,733
1996	6,069,739	6,061,220	129,979	553,768	5,377,473	8,519
1997	6,585,255	6,583,491	108,773	1,267,976	5,206,743	1,763
1998	9,967,737	9,967,375	1,270,471	3,671,619	5,025,285	361
1999	11,166,753	11,166,814	580,829	5,775,512	4,810,473	-61
2000	13,502,545	13,525,186	521,312	8,887,104	4,116,771	-22,641
2001	13,088,802	13,088,793	448,800	8,526,588	4,113,405	9
2002	8,677,528	8,677,528	365,242	4,332,144	3,980,142	-
2003	8,052,361	8,050,472	302,981	3,718,543	4,028,949	1888
2004	9,396,872	9,396,872	267,026	4,234,459	4,895,388	-
2005	8,800,855	8,800,740	218,719	4,027,671	4,554,351	115
2006	8,479,518	8,479,518	185,660	3,905,206	4,388,652	-
2007	8,391,384	8,391,384	160,324	3,693,386	4,537,674	-
2008	8,720,028	8,720,028	141,892	3,984,463	4,593,672	-
2009	8,566,263	8,566,263	124,134	3,920,520	4,521,609	-
2010	8,462,478	8,462,478	102,398	3,784,309	4,575,771	-
2011	8,494,522	8,494,522	105,233	3,662,966	4,726,323	-
2012	8,709,562	8,709,562	109,385	3,894,816	4,705,362	-
2013	8,181,937	8,181,937	89,699	3,432,470	4,659,768	-
2014	8,228,677	8,228,677	78,764	3,291,397	4,858,515	-
2015	7,667,850	7,667,850	75,592	2,869,301	4,722,957	-
2016	7,496,510	7,496,510	62,087	2,634,048	4,800,375	-
2017	7,442,168	7,442,168	56,916	2,640,722	4,744,530	-
2018	7,373,454	7,373,454	50,470	2,644,551	4,678,434	-

15-6. Units Insured under Government Employee Insurance and Related Insurance Programs

End of Year	Government Employee Insurance (GEI)	Health Insurance for Government Employees' Dependents (HIGED)	Retired Government Employee Insurance (RGEI)	Health Insurance for Retired Government Employees (HIRGE)	Health Insurance for Spouses of Retired Government Employees (HISRGE)	Insurance for Teaching and Administrative Staff of Private Schools (ITASPS)	Health Insurance for Dependents of Teaching and Administrative Staff of Private Schools (HIDTASPS)	Health Insurance for Retired Teaching and Administrative Staff of Private Schools and their Spouses (HIRTASPS) & (HISRTASPS)	Health Insurance for Retired Employees and Their Dependents of Government Organizations and Private Schools (HIRETDGOPS)
1960	3,763	0	0	0	0	0	0	0	0
1965	3,909	0	600	0	0	0	0	0	0
1970	4,626	0	1,245	0	0	0	0	0	0
1975	4,875	0	1,691	0	0	0	0	0	0
1980	5,250	0	1,856	0	0	199	0	0	0
1985 (1)	5,528	5,439	1,446	3,804	3,273	308	0	83	0
1986	5,558	5,455	1,270	3,970	3,433	307	0	106	0
1987	5,593	5,487	1,183	4,305	3,831	308	0	141	0
1988	5,653	5,539	1,128	4,464	4,037	309	0	154	0
1989	5,693	5,662	1,087	4,226	3,803	309	0	165	0
1990	5,754	5,700	1,052	4,248	3,802	316	274	174	0
1991	5,804	5,740	1,027	4,336	3,892	318	295	181	0
1992	6,256	6,243	1,000	4,488	4,026	318	311	183	0
1993	6,566	6,553	981	4,890	4,362	320	316	197	0
1994 (2)	6,690	6,676	949	0	0	322	320	0	5,245
1995 (3)	6,818	0	780	0	0	326	0	0	0
1996	7,145	0	709	0	0	327	0	0	0
1997	7,569	0	666	0	0	329	0	0	0
1998 (4)	7,129	0	609	0	0	335	0	0	0

- (1) No new policies were issued under Insurance for Retired Teaching and Administrative Staff of Private Schools as from July 1985. Old policy-holders as well as the newly retired can take out policies issued under HIRTASPS.
- (2) HIRGE, HISRGE, HIRTASPS and HISRTASPS were integrated as HIRETDGOPS from April 1, 1994.
- (3) After the implementation of National Health Insurance on March 1, 1995, the administration of medical care benefits provided by all the policies was transferred to the Bureau of National Health Insurance while the Government Employee Insurance Department still implements the enrollment and cash benefits of the GEI, ITASPS and RGEI.
- (4) Government Employee Insurance (GEI) and Insurance for Teaching and Administrative Staff of Private Schools (ITASPS) were integrated as Government Employee and School Staff Insurance (GESSI) from May 31, 1999. For data on these programs from 1999 onward, please refer to Tables 15-11 to 15-15.

Source: The data are provided by the Central Trust of China, R.O.C.(Taiwan).

15-7. Persons Insured under Government Employee Insurance and Related Insurance Programs

Unit: Persons

End of Year	Total	Government Employee Insurance (GEI)	Health Insurance for Government Employees' Dependents (HIGED)	Retired Government Employee Insurance (RGEI)	Health Insurance for Retired Government Employees (HIRGE)	Health Insurance for Spouses of Retired Government Employees (HISRGE)	Insurance for Teaching & Administrative Staff of Private Schools (ITASPS)	Health Insurance for Dependents of Teaching and Administrative Staff of Private Schools (HIDTASPS)	Health Insurance for Retired Teaching & Administrative Staff of Private Schools and Their Spouses (HIRTASPS) & (HISRTASPS)	Health Insurance for Retired Employees and Their Dependents of Government Organizations and Private Schools (HIRETDGOPS)
1960	203,909	203,909	0	0	0	0	0	0	0	0
1965	241,955	240,261	0	1,694	0	0	0	0	0	0
1970	298,667	293,531	0	5,136	0	0	0	0	0	0
1975	367,053	359,034	0	8,019	0	0	0	0	0	0
1980	435,455	415,191	0	9,212	0	0	11,052	0	0	0
1982	652,509	443,783	176,030	9,327	0	0	23,369	0	0	0
1983	664,039	452,881	176,937	9,637	0	0	24,584	0	0	0
1984	683,927	468,577	179,573	9,922	0	0	25,673	0	182	0
1985 (1)	754,928	475,663	180,360	4,952	41,406	26,087	26,277	0	183	0
1986	778,066	483,473	180,739	4,222	49,976	32,241	26,974	0	441	0
1987	815,179	489,772	179,688	3,632	68,080	45,649	27,723	0	635	0
1988	832,098	496,175	176,749	3,352	73,877	53,045	28,110	0	790	0
1989	1,041,853	515,387	385,632	3,155	62,332	45,973	28,529	0	845	0
1990	1,078,449	536,775	390,239	2,921	64,913	47,490	31,213	3,954	944	0
1991	1,103,236	549,615	388,012	2,747	68,041	49,331	33,883	10,529	1,078	0
1992	1,707,301	560,127	950,307	2,579	70,490	50,880	36,075	35,690	1,153	0
1993	1,759,843	572,122	976,771	2,409	74,085	53,389	39,442	40,271	1,354	0
1994 (2)	1,793,094	581,047	982,642	2,193	0	0	42,864	44,038	0	140,310
1995 (3)	634,543	588,354	0	1,710	0	0	44,479	0	0	0
1996	645,592	597,895	0	1,510	0	0	46,187	0	0	0
1997	649,267	600,026	0	1,363	0	0	47,878	0	0	0
1998 (4)	625,774	574,364	0	1,208	0	0	50,202	0	0	0

(1) 、 (2) 、 (3) 、 (4) See (1) 、 (2) 、 (3) 、 (4) of Table 15-6.

Source: See Table 15-6.

15-8. Receipts and Expenditures of Government Employee Insurance

Unit: NT\$1,000

Period	Receipts				Expenditures							Surplus or Deficit	
	Total (A)	Premiums	Registration Fees	Others	Total (B)	Medical Expenses	Cash Benefits	Refund of Premiums	Re-serve Fund	Costs of Administration	Others	Amount (C=A-B)	Percentage (C/B x 100)
1960	90,503	86,850	3,653	0	142,882	113,478	13,794	145	8,047	6,079	1,339	-52,379	-37
1965	185,077	173,408	4,369	7,300	204,812	138,753	36,910	336	16,793	11,914	106	-19,735	-10
1969	383,171	366,161	4,885	12,125	377,618	206,195	119,140	524	29,728	21,339	692	5,553	1
1970	445,587	427,161	5,419	13,007	437,546	241,746	154,817	646	14,857	24,639	841	8,041	2
1975	837,326	800,445	24,253	12,628	907,493	451,203	405,330	5	0	50,757	198	-70,167	-8
1978	1,498,631	1,467,619	26,731	4,281	1,638,125	639,808	927,916	0	0	68,204	2,197	-139,494	-9
1979	1,846,849	1,814,869	27,246	4,734	2,181,323	768,214	1,326,516	0	0	84,938	1,655	-334,474	-15
1980	2,418,933	2,388,160	28,129	2,644	2,801,925	1,002,394	1,688,145	0	0	102,930	8,456	-382,992	-14
1981	3,396,851	3,363,892	30,176	2,783	4,028,089	1,371,576	2,529,390	0	0	121,633	5,490	-631,238	-16
1982	3,718,804	3,660,475	55,188	3,141	4,625,764	1,565,612	2,914,438	0	0	129,595	16,119	-906,960	-20
1983	3,856,418	3,766,679	65,603	24,136	4,743,226	1,841,569	2,748,870	0	0	124,523	28,264	-886,808	-19
1984	4,176,563	4,096,035	67,664	12,864	5,268,715	2,213,083	2,889,961	0	0	137,868	27,803	-1,092,152	-21
1985	4,936,648	4,849,081	72,721	14,846	6,313,264	2,541,691	3,581,829	0	0	159,649	30,095	-1,376,616	-22
1986	5,430,401	5,371,443	52,887	6,071	7,066,195	2,681,821	4,185,739	0	0	167,457	31,178	-1,635,794	-23
1987	5,866,620	5,830,197	28,385	8,038	8,082,435	2,921,858	4,954,077	0	0	179,887	26,613	-2,215,815	-27
1988	6,691,347	6,658,964	28,551	3,832	9,561,922	3,040,493	6,301,870	0	0	195,377	24,183	-2,870,576	-30
1989	7,664,792	7,611,338	26,717	26,736	11,409,135	3,114,116	8,013,131	0	0	231,090	50,797	-3,744,343	-33
1990	9,358,592	9,273,093	25,903	59,596	13,065,701	3,582,106	9,155,112	0	0	276,280	52,203	-3,707,109	-28
1991	10,787,888	10,666,962	25,935	94,992	16,646,282	4,125,732	12,184,263	0	0	294,606	41,681	-5,858,394	-35
1992	11,854,254	11,775,290	26,372	52,592	15,525,502	4,639,799	10,510,020	0	0	323,708	51,975	-3,671,248	-24
1993	13,190,083	13,033,881	36,586	119,616	17,635,634	5,068,021	12,190,672	0	0	348,688	28,253	-4,444,551	-25
1994	14,237,829	14,112,286	35,970	89,573	20,321,930	5,824,210	14,064,439	0	0	378,263	55,018	-6,084,101	-30
1995	9,232,039	9,050,723	4,534	176,782	15,877,717	1,308,173	13,954,267	0	0	247,958	367,319	-6,645,678	-42
1996	8,692,318	8,463,670	0	228,649	14,981,002	0	13,980,502	0	0	200,947	799,553	-6,288,684	-42
1997	9,825,788	9,783,592	0	42,196	16,718,266	0	15,457,435	0	0	195,493	1,065,338	-6,892,478	-41
1998 (1)	12,146,498	12,135,826	0	10,671	19,481,262	0	18,024,803	0	0	192,278	1,264,180	-7,334,764	-38

(1) See (4) of Table 15-6.

Source: See Table 15-6.

15-9a. Medical Care and Cash Benefits under Government Employee Insurance

Period	Free Medical Care			Cash Benefits				
	Total	Maternity	Illness & Injury	Total	Disability	Old Age	Death	Funeral Grant
I. Person-Visits (Free Medical Care), Cases (Cash Benefits)								
1960	1,951,389	64,436	1,886,953	3,088	69	0	475	2,544
1965	2,108,600	59,407	2,049,193	5,174	215	1,032	604	3,323
1970	2,692,028	91,225	2,600,803	8,645	362	2,624	791	4,868
1972	3,211,275	96,335	3,114,940	11,661	497	5,248	860	5,056
1973	3,204,162	97,302	3,106,860	14,063	423	7,362	891	5,387
1975	2,968,790	98,463	2,870,327	10,942	347	3,703	898	5,994
1977	3,163,905	107,908	3,055,997	12,598	368	4,467	1,002	6,761
1978	3,192,962	117,555	3,075,407	13,545	335	5,243	1,070	6,897
1979	3,256,056	117,177	3,138,879	14,273	408	5,709	1,005	7,151
1980	3,359,820	118,443	3,241,377	15,160	372	6,012	1,064	7,712
1981	3,585,908	129,908	3,456,000	16,897	388	7,633	1,070	7,806
1982	3,690,496	169,338	3,521,158	17,824	455	8,008	1,025	8,336
1983	3,941,279	163,038	3,778,241	17,670	492	7,465	1,022	8,691
1984	4,115,385	166,955	3,948,430	17,716	529	7,206	1,029	8,952
1985	4,323,954	167,861	4,156,093	18,390	549	7,657	1,032	9,152
1986	4,438,739	165,217	4,273,522	19,337	556	8,218	994	9,569
1987	4,678,226	169,034	4,509,192	20,292	653	8,888	1,050	9,701
1988	4,784,723	185,468	4,599,255	22,252	684	10,023	1,029	10,516
1989	4,698,494	179,193	4,519,301	23,692	616	11,080	1,010	10,986
1990	5,157,462	190,604	4,966,858	23,653	717	10,569	979	11,388
1991	5,683,017	200,752	5,482,265	27,198	771	13,532	966	11,929
1992	6,565,333	213,789	6,351,544	23,663	806	9,645	902	12,310
1993	7,052,061	222,409	6,829,652	24,765	854	10,371	849	12,691
1994	7,950,473	227,901	7,722,572	26,310	883	11,305	810	13,312
1995 (1)	1,657,583	33,863	1,623,720	26,268	857	10,545	831	14,035
1996	0	0	0	25,969	798	9,852	858	14,461
1997	0	0	0	26,606	975	10,452	825	14,354
1998 (2)	0	0	0	27,959	1,148	11,677	791	14,343

(1) 、(2) See (3) 、(4) of Table 15-6.

Source: See Table 15-6.

15-9b. Medical Care and Cash Benefits under Government Employee Insurance (Continued)

Period	Total	Medical Expenses			Cash Benefits				
		Subtotal	Maternity	Illness & Injury	Subtotal	Disability	Old Age	Death	Funeral Grant
II. Amount (NT\$1,000)									
1960	127,272	113,478	12,095	101,384	13,794	854	0	8,890	4,051
1965	175,663	138,753	13,151	125,602	36,910	2,373	7,353	18,413	8,770
1970	396,563	241,746	21,397	220,350	154,817	9,669	68,350	49,952	26,847
1972	626,491	305,176	25,905	279,271	321,315	14,354	215,692	59,743	31,526
1973	754,405	313,091	26,419	286,672	441,314	12,078	331,337	62,861	35,038
1975	856,533	451,203	44,009	407,194	405,330	13,344	251,763	91,252	48,972
1977	1,192,121	551,948	56,811	495,137	640,173	15,017	445,088	115,432	64,636
1978	1,567,724	639,808	71,904	567,904	927,916	17,629	681,308	149,705	79,274
1979	2,094,730	768,214	89,274	678,940	1,326,516	26,133	1,027,938	172,597	99,848
1980	2,690,539	1,002,394	127,148	875,246	1,688,145	27,927	1,308,786	221,160	130,272
1981	3,900,966	1,371,576	175,816	1,195,760	2,529,390	38,066	2,021,376	297,375	172,573
1982	4,480,050	1,565,612	216,385	1,349,227	2,914,438	50,656	2,370,412	296,183	197,187
1983	4,590,439	1,841,569	257,200	1,584,369	2,748,870	45,787	2,195,797	299,865	207,421
1984	5,103,044	2,213,083	287,704	1,925,379	2,889,961	52,648	2,291,421	318,849	227,043
1985	6,123,520	2,541,691	308,438	2,233,253	3,581,829	61,869	2,891,549	361,678	266,732
1986	6,867,560	2,681,821	293,064	2,388,757	4,185,739	71,061	3,422,652	378,467	313,559
1987	7,875,935	2,921,858	319,103	2,602,755	4,954,077	79,929	4,111,286	425,157	337,705
1988	9,342,363	3,040,493	333,800	2,706,693	6,301,870	89,468	5,297,750	499,784	414,868
1989	11,127,247	3,114,116	346,425	2,767,691	8,013,131	98,905	6,873,145	545,032	496,049
1990	12,737,218	3,582,106	401,728	3,180,378	9,155,112	120,484	7,826,989	601,747	605,892
1991	16,309,995	4,125,732	409,913	3,715,820	12,184,263	130,908	10,672,510	659,707	721,138
1992	15,149,819	4,639,799	439,305	4,200,494	10,510,020	149,644	8,892,173	655,082	813,121
1993	17,258,693	5,068,021	452,510	4,615,512	12,190,672	173,595	10,438,797	666,201	912,078
1994	19,888,649	5,824,210	530,923	5,293,286	14,064,439	197,884	12,157,715	688,429	1,020,411
1995(1)	15,262,440	1,308,173	109,169	1,199,004	13,954,267	215,155	11,913,069	693,489	1,132,554
1996	13,980,502	0	0	0	13,980,502	235,444	11,745,899	771,480	1,227,679
1997	15,457,435	0	0	0	15,457,435	376,979	13,041,188	766,748	1,272,519
1998(2)	18,024,803	0	0	0	18,024,803	449,829	15,487,795	770,495	1,316,684

15-10. Major Receipts and Expenditures of Government Employee Insurance and
Related Insurance Programs

Unit: NTS\$1,000

Period	Major Receipts (1)		Major Expenditures (1)			Surplus or Deficit
	Premiums	Registration Fees	Medical Expenses	Cash Benefits	Costs of Administration	
1960	86,850	3,653	113,478	13,794	6,079	- 52,379
1965	173,745	4,376	138,760	36,915	11,914	- 19,404
1970	432,800	5,592	253,639	167,612	25,033	0
1975	813,077	25,582	488,435	425,981	51,462	- 95,500
1978	1,487,661	28,285	696,428	954,041	69,146	- 177,129
1979	1,837,116	28,827	836,314	1,353,821	85,981	- 381,323
1980	2,424,358	29,686	1,098,372	1,723,425	104,479	- 447,105
1981	3,546,205	32,701	1,534,639	2,584,016	128,142	- 652,980
1982	4,149,805	66,972	1,945,896	2,977,760	145,866	- 854,630
1983	4,536,664	88,477	2,536,131	2,822,484	150,458	- 862,219
1984	4,927,788	91,707	3,098,544	2,974,101	165,897	-1,190,991
1985	6,120,743	103,611	3,882,157	3,660,676	200,869	-1,497,943
1986	7,378,707	83,748	4,844,414	4,246,362	229,966	-1,772,085
1987	8,359,078	48,496	5,669,510	5,020,088	258,059	-2,542,133
1988	9,713,012	49,502	6,057,413	6,379,610	284,894	-2,961,674
1989	12,513,207	53,320	7,748,563	8,102,513	373,264	-3,659,539
1990	16,111,894	62,484	10,152,558	9,269,380	479,494	-3,677,168
1991	18,612,093	66,599	12,216,248	12,310,552	514,075	-6,249,200
1992	22,830,086	74,040	15,459,397	10,663,075	616,383	-3,786,653
1993	27,872,479	110,163	18,866,451	12,411,089	747,951	-3,852,698
1994	30,326,688	109,316	22,162,485	14,323,023	812,713	-6,712,546
1995 (2)	12,376,050	15,143	4,825,669	14,288,197	356,732	-7,239,481
1996	9,176,207	0	0	14,303,281	217,995	-5,807,240
1997	10,545,706	0	0	15,827,933	211,012	-6,404,273
1998 (3)	12,945,332	0	0	18,459,826	205,075	-6,827,499

(1) Including the data of Government Employee Insurance (from 1958), Health Insurance for Government Employees' Dependents (from 1982), Retired Government Employee Insurance (from 1965), Health Insurance for Retired Government Employees (from 1985), Health Insurance for Spouses of Retired Government Employees (from 1985), Insurance for Teaching and Administrative Staff of Private Schools (from 1980), Insurance for Retired Teaching and Administrative Staff of Private Schools (1984-1985), Health Insurance for Spouses of Teaching and Administrative Staff of Private Schools (from 1990), Health Insurance for Retired Teaching and Administrative Staff of Private Schools (from 1986), Health Insurance for Spouses of Retired Teaching and Administrative Staff of Private Schools (from 1986), and Health Insurance for Retired Employees and their Dependents of Government Organizations and Private Schools (from 1994).

(2) 、(3) See (3) 、(4) of Table 15-6.

Source: See Table 15-6.

15-11. Units and Persons Insured under Government Employee and School Staff Insurance
and Retired Government Employee Insurance

End of Year	Insured Units	
	Government Employee and School Staff Insurance (GESSI)	Retired Government Employee Insurance (RGEI)
1999 (1)	7,385	553
2000	7,436	517
2005	7,324	371
2010	7,392	231
2011	7,531	210
2012	7,515	188
2013	7,491	173
2014	7,447	115
2015	7,448	103
2016	7,438	83
2017	7,422	76
2018	7,396	65

End of Year	Insured Persons	
	Government Employee and School Staff Insurance (GESSI)	Retired Government Employee Insurance (RGEI)
1999 (1)	623,016	1,100
2000	629,395	985
2005	591,158	634
2010	597,583	372
2011	593,949	334
2012	593,846	303
2013	593,760	258
2014	587,459	150
2015	582,725	125
2016	578,624	100
2017	584,469	89
2018	589,483	78

(1) See (4) of Table 15-6.

Source: Department of Government Employees Insurance, Bank of Taiwan.

15-12a. Receipts and Expenditures of Government Employee and School Staff Insurance (1)

Unit : NT\$1,000

Period	Receipts								
	Total	Premium	Service Fee Income	Investment Income	Gain on Valuation of Financial Instrument (2)	Gain on F/A at FV through Profit or Loss (3)	Gain on F/Liab at FV through Profit or Loss (3)	Foreign Exchange Gain (2)	Expected Credit Impairment Gain (4)
1999	8,101,572	8,000,506	-	19,238	-	-	-	-	-
2000	14,560,695	13,931,071	-	11,376	-	-	-	-	-
2005	19,890,068	16,744,093	-	1,647,474	258,368	-	-	-	-
2006	23,006,951	16,468,839	-	2,410,289	1,898,707	-	-	35,915	-
2007	25,756,000	16,677,444	-	5,589,677	750,155	-	-	248,599	-
2008	23,727,238	16,926,336	-	3,575,844	657,375	-	-	-	-
2009	41,912,750	17,165,917	32,031	3,777,542	19,328,073	-	-	172,682	-
2010	27,767,933	17,417,350	152,375	5,345,784	3,451,922	-	-	-	-
2011	25,151,297	17,694,632	135,279	4,438,628	158,389	-	-	838,664	-
2012	31,552,391	17,991,298	108,895	4,103,147	7,316,963	-	-	-	-
2013	36,151,850	20,862,453	44,415	-	-	12,588,812	-	781,786	-
2014	36,864,274	20,948,418	4,140	-	-	11,428,200	-	2,601,422	-
2015	29,750,594	20,917,837	8,039	-	-	7,972,486	-	852,232	-
2016	38,271,018	22,778,804	16,057	-	-	15,476,157	-	-	-
2017	49,482,059	23,477,880	4,667	-	-	25,999,512	-	-	-
2018	37,482,014	24,863,074	11,342	-	-	8,565,142	-	1,827,970	10,768

(1) See (4) of Table 15-6.

(2) In conformity with Statements of Financial Accounting Standards (SFAS) No. 34, which came into effect on January 1, 2006, and overseas investment newly added to this insurance reserve, "Gain on Valuation of Financial Instrument", "Loss on Valuation of Financial Instrument", "Foreign Exchange Gain" and "Foreign Exchange Loss" are disclosed; and in accordance therewith, the 2000-2005 items "Gain on Market Price Recovery of Short-Term Investments" and "Unrealized Decline in Market Value of Short-Term Investments" are reclassified as "Gain on Valuation of Financial Instrument" and "Loss on Valuation of Financial Instrument", respectively.

(3) Since 2013 began to adopt International Financial Reporting Standards (IFRSs).

(4) Since 2018 began to adopt the IFRS 9.

15-12b. Receipts and Expenditures of Government Employee and School Staff Insurance (Continued)

Unit : NT\$1,000

Period	Receipts		Expenditure						
	Interest Income	Other Income (5)	Total	Cash Benefits	Reserve for Old Age Benefit (6)	Investment Loss	Loss on Valuation of Financial Instrument (2)	Service Fee Expenses	Reserve
1999	81,754	73	2,585,160	1,373,280	1,192,075	8,577	10,998	-	-
2000	617,855	394	4,927,829	2,796,558	2,075,730	5,171	48,196	-	-
2005	1,236,106	4,028	4,702,423	4,103,122	-	591,598	-	-	-
2006	2,019,300	173,901	4,875,214	3,989,540	-	873,591	-	-	-
2007	2,489,239	887	5,416,611	4,350,526	-	818,428	209,251	-	-
2008	2,567,427	256	28,709,542	5,020,950	-	2,079,256	21,225,238	-	-
2009	1,436,503	2	7,661,784	5,859,649	-	1,247,558	512,131	-	-
2010	1,398,902	1,599	13,629,203	7,594,759	-	1,775,454	8,199	-	-
2011	1,885,691	14	21,624,667	8,965,770	-	798,423	11,820,061	-	-
2012	2,032,087	2	14,917,562	10,440,428	-	2,780,477	2,901	-	-
2013	1,873,818	566	14,231,379	11,283,025	-	-	-	21,701	511
2014	1,882,093	1	12,989,042	11,925,877	-	-	-	28,247	-
2015	1,890,091	219	26,113,535	16,243,256	-	-	-	14,719	-
2016	1,916,260	1	21,345,215	16,551,336	-	-	-	24,723	-
2017	1,946,753	1	21,215,919	14,853,512	-	-	-	20,078	-
2018	2,203,716	1	36,112,312	14,651,557	-	-	-	13,284	-

(5) "Other Income" in 2006 includes \$173,421,000 for "Cumulative Effect of Changes in Accounting Principles" arising due to the starting application of SFAS No. 34.

(6) Including unrealized liability of cash benefit before amendment and interest expenses. Article 5 of the GESSI Act, as amended on January 19, 2005, stipulates that all the surplus should be transferred to insurance reserve, so with effect from 2005, monthly provision is no longer made on the basis of insurance premium revenue and reference contribution rate.

15-12c. Receipts and Expenditures of Government Employee and School Staff Insurance (Continued)

Unit : NT\$1,000

Period						Surplus or Deficit (7)	Government Subsidies		
	Other Expenses	Loss on F/A at FV through Profit or Loss (3)	Loss on F/Liab at FV through Profit or Loss (3)	Foreign Exchange Loss (2)	Expected Credit Impairment Loss (4)		Total	Administrative Expense (8)	Compensated by the Treasury (6)
1999	-	-	-	-	-	3,064,566	-	-	12,453,833
2000	-	-	-	-	-	9,632,867	-	-	21,311,832
2005	7,704	-	-	-	-	15,187,645	35,969,899	254,725	35,715,175
2006	12,083	-	-	-	-	18,131,737	21,036,690	250,830	20,785,859
2007	38,406	-	-	-	-	20,339,389	18,177,239	237,320	17,939,919
2008	35,620	-	-	348,478	-	-4,982,304	16,140,948	212,863	15,928,085
2009	42,447	-	-	-	-	34,250,967	15,002,516	216,824	14,785,692
2010	42,836	-	-	4,207,956	-	14,138,729	17,873,989	217,070	17,656,919
2011	40,412	-	-	-	-	3,526,630	18,625,879	221,200	18,404,678
2012	42,227	-	-	1,651,528	-	16,634,829	18,531,190	219,715	18,311,476
2013	19,911	2,846,662	17,813	41,756	-	21,920,471	15,705,408	222,799	15,482,609
2014	23,992	977,928	23,827	9,171	-	23,875,232	12,961,380	228,068	12,733,312
2015	25,173	9,820,855	9,532	-	-	5,527,369	16,975,993	224,628	16,751,365
2016	18,630	1,885,397	-	2,865,129	-	18,842,064	13,754,978	224,247	13,530,731
2017	21,721	1,085,529	-	5,235,079	-	30,212,894	10,453,135	225,730	10,227,405
2018	34,082	21,397,595	-	-	15,792	1,369,702	8,894,526	228,117	8,666,409

(7) Surpluses are transferred to reserve.

(8) "Administrative Expense" was paid by the Central Supervisory institution - Ministry of Civil Service by means of budget. All unfunded expense was absorbed by our bank that assumes the role of insurance agency and implementing government policy.

15-13. Receipts and Expenditures of Retired Government Employee Insurance (1)

Unit: NT\$1,000

Period	Receipts				
	Total	Premium	Interest Income	Government Subsidies	Other Income
1999	15,423	3,116	12,279	28	-
2000	15,492	2,705	12,367	43	378
2005	6,204	1,788	4,416	-	-
2010	3,869	1,054	2,815	-	-
2011	4,278	948	3,330	-	-
2012	4,376	851	3,524	-	-
2013	4,230	689	3,541	-	-
2014	4,088	538	3,550	-	-
2015	3,799	302	3,496	-	-
2016	3,312	329	2,983	-	-
2017	3,141	285	2,856	-	-
2018	3,138	260	2,878	-	-

Period	Expenditures					Surplus or Deficit (2)
	Total	Cash Benefits	RGEI Reserve	Administration Expenses	Other Expenses	
1999	4,684	8,185	-3,552	51	28	10,739
2000	9,532	9,489	-	43	43	5,960
2005	5,832	5,832	-	-	-	371
2010	4,153	4,153	-	-	-	-284
2011	4,028	4,028	-	-	-	250
2012	1,602	1,602	-	-	-	2,773
2013	2,573	2,573	-	-	-	1,657
2014	5,264	5,264	-	-	-	-1,176
2015	2,139	2,139	-	-	-	1,660
2016	2,176	2,176	-	-	-	1,136
2017	1,211	1,211	-	-	-	1,930
2018	990	990	-	-	-	2,148

(1) See (4) of Table 15-6. Including receipts and expenditures of GEI and ITASPS, from Jan. to May of 1999.

(2) See (4) of Table 15-6.

Source: See Table 15-11.

15-14. Cash Benefits under Government Employee and School Staff Insurance (1)

Period	Cases							Amount (NT\$1,000)						
	Total	Disability	Old Age	Death	Dependent's Funeral Allowance	Parental Leave Allowance	Maternity	Total	Disability	Old Age	Death	Dependent's Funeral Allowance	Parental Leave Allow-ance (2)	Maternity
1999	29,956	741	13,364	732	15,119	-	-	20,242,547	300,289	17,788,038	723,979	1,430,241	-	-
2000	32,172	1,480	14,365	716	15,611	-	-	22,102,778	519,769	19,355,494	742,477	1,485,038	-	-
2001	37,594	1,078	21,180	614	14,722	-	-	30,466,793	399,394	27,961,491	663,453	1,442,455	-	-
2002	38,582	1,076	21,079	670	15,757	-	-	31,771,108	370,808	29,105,762	733,109	1,561,428	-	-
2003	36,424	1,007	19,999	588	14,830	-	-	29,750,090	341,887	27,266,218	657,551	1,484,434	-	-
2004	37,718	1,067	20,837	591	15,223	-	-	32,041,385	331,359	29,538,911	641,975	1,529,140	-	-
2005	43,425	1,081	26,924	574	14,846	-	-	38,811,295	355,489	36,274,085	635,418	1,546,303	-	-
2006	30,486	1,038	14,929	589	13,930	-	-	23,513,155	355,851	21,009,265	680,588	1,467,450	-	-
2007	29,146	1,056	13,520	542	14,028	-	-	21,374,009	347,635	18,921,039	618,806	1,486,529	-	-
2008	28,723	1,041	12,852	556	14,274	-	-	20,303,193	340,748	17,785,186	638,654	1,538,605	-	-
2009	31,919	1,030	12,897	531	14,751	2,710	-	20,370,541	345,954	17,602,882	635,639	1,601,003	185,063	-
2010	36,286	1,029	16,333	537	14,768	3,619	-	24,967,855	355,476	22,016,132	639,026	1,624,451	332,772	-
2011	37,873	946	17,365	530	15,233	3,799	-	26,948,055	337,497	23,927,578	643,314	1,706,088	333,578	-
2012	38,838	951	17,989	499	15,112	4,287	-	28,243,546	361,344	25,142,386	621,749	1,739,988	378,080	-
2013	37,991	885	16,896	511	15,117	4,582	-	26,404,134	320,252	23,276,649	643,599	1,755,975	407,659	-
2014	44,908	866	18,029	541	15,731	5,175	4,566	24,422,758	327,761	20,865,515	681,202	1,834,970	444,792	268,518
2015	55,559	787	22,954	487	15,182	5,929	10,220	32,782,800	302,713	28,976,625	619,539	1,775,481	497,877	610,565
2016	53,365	828	20,356	509	15,624	6,036	10,012	29,850,547	324,413	25,909,044	649,935	1,838,895	520,070	608,190
2017	48,897	830	16,788	492	15,155	6,151	9,481	24,900,744	313,684	21,045,386	631,179	1,796,786	534,112	579,597
2018	46,039	751	14,638	502	15,335	6,055	8,758	23,211,334	294,712	19,317,585	661,150	1,861,460	532,565	543,862

(1) See (4) of Table 15-6.

(2) Parental leave allowance shall be paid each month from the day of parental leave, with a maximum of 6 installments.

Source: See Table 15-11.

15-15. Cash Benefits under Retired Government Employee Insurance

Period	Cases					Amount (NT\$1,000)				
	Total	Disability	Old Age	Death	Dependent's Funeral Allowance	Total	Disability	Old Age	Death	Dependent's Funeral Allowance
1999 (1)	108	4	30	71	3	8,185	334	2,368	5,437	47
2000	106	6	15	81	4	9,489	479	1,430	7,542	38
2004	59	3	6	48	2	4,559	231	418	3,883	27
2005	60	3	1	55	1	5,832	119	41	5,670	2
2006	65	4	5	53	3	6,056	126	648	5,242	40
2007	53	-	5	43	5	4,379	-	618	3,706	55
2008	44	1	1	41	1	4,543	57	12	4,466	8
2009	40	-	2	38	-	4,043	-	36	4,007	-
2010	39	-	1	38	-	4,153	-	135	4,018	-
2011	38	1	1	35	1	4,028	147	88	3,787	6
2012	24	1	-	22	1	1,602	21	-	1,575	7
2013	33	-	-	30	3	2,573	-	-	2,543	30
2014	72	3	44	23	2	5,264	177	3,223	1,849	15
2015	29	3	7	18	1	2,139	78	335	1,714	12
2016	22	-	2	20	-	2,176	-	129	2,047	-
2017	13	-	1	12	-	1,211	-	57	1,154	-
2018	11	-	-	10	1	990	-	-	984	6

(1) See (4) of Table 15-6.

Source: See Table 15-11.

15-16a. Number of Group Insurance Applicants and Beneficiaries under National Health Insurance

1. Group Insurance Applicants

Unit: No.

End of Year	Grand Total	Category 1 (1)						Category 2 (2)		
		Total	Item 1	Item 2	Item 3	Item 4	Item 5	Total	Item 1	Item 2
1995	425,349	421,778	6,783	401,852	13,143	-	-	2,270	2,266	4
1999	519,635	515,813	7,085	452,020	56,702	-	6	2,381	2,377	4
2000	562,002	557,860	7,173	459,886	90,795	-	6	2,461	2,457	4
2001	566,854	562,562	7,851	453,204	101,501	-	6	2,559	2,555	4
2002	579,393	574,968	7,880	457,776	109,308	-	4	2,691	2,687	4
2003	583,151	578,628	7,944	464,856	105,786	-	42	2,771	2,767	4
2004	603,492	598,858	8,024	480,572	110,227	-	35	2,843	2,839	4
2005	633,311	628,546	8,160	502,582	117,775	-	29	2,958	2,954	4
2006	658,573	653,661	8,147	516,657	128,851	-	6	3,087	3,083	4
2007	671,023	665,991	8,164	523,062	134,762	-	3	3,170	3,166	4
2008	676,280	671,126	8,202	525,332	137,588	-	4	3,250	3,246	4
2009	684,677	679,374	8,213	529,771	141,386	-	4	3,374	3,370	4
2010	706,599	701,150	7,807	545,947	147,392	-	4	3,511	3,507	4
2011	730,720	725,147	7,888	563,423	153,832	-	4	3,622	3,618	4
2012	750,851	745,201	7,881	577,456	159,862	-	2	3,703	3,699	4
2013	775,369	769,670	7,987	599,964	161,693	-	26	3,749	3,745	4
2014	803,693	797,943	7,964	617,505	172,444	-	30	3,781	3,777	4
2015	828,502	822,651	7,969	633,950	180,701	-	31	3,802	3,798	4
2016	854,639	848,746	7,955	650,775	189,986	-	30	3,834	3,830	4
2017	883,055	877,124	7,912	667,811	201,371	-	30	3,869	3,865	4
2018	907,377	901,432	7,913	684,110	209,379	-	30	3,909	3,905	4

- (1) Category 1 includes: (a) Civil servants or full-time and regularly paid personnel in governmental agencies and public/private schools; (b) Employees of publicly or privately owned enterprises or institutions; (c) Employees other than the insured prescribed in (a) and (b) but are otherwise employed by particular employers; (d) Employers or self-employed owners of business; (e) Independently practicing professionals and technicians.
- (2) Category 2 includes: (a) Members of an occupational union who have no particular employers, or who are self-employed; (b) Seamen serving on foreign vessels, who are members of the National Seamen's Union or the Master Mariners' Association.

Source: The data are provided by the National Health Insurance Administration, R.O.C. (Taiwan).

15-16b. Number of Group Insurance Applicants and Beneficiaries under National Health Insurance (Continued)

1. Group Insurance Applicants

Unit: No.

End of Year	Category 3 (3)			Category 4 (4)				Category 5	Category 6 (6)		
	Total	Item 1	Item 2	Total	Item 1	Item 2	Item 3	(5)	Total	Item 1	Item 2
1995	344	305	39	1	...	...	-	458	498	18	480
1999	346	306	40	2	...	...	-	526	567	12	555
2000	346	306	40	2	...	...	-	537	796	12	784
2001	346	306	40	3	...	...	-	559	825	12	813
2002	346	306	40	8	...	...	-	571	809	12	797
2003	345	306	39	8	...	...	-	575	824	28	796
2004	346	307	39	8	...	...	-	574	863	28	835
2005	346	307	39	8	...	...	-	577	876	28	848
2006	346	307	39	8	...	...	-	585	886	28	858
2007	345	306	39	8	7	1	-	588	921	28	893
2008	345	306	39	9	7	2	-	599	951	28	923
2009	345	306	39	9	7	2	-	619	956	25	931
2010	345	306	39	9	7	2	-	620	964	25	939
2011	345	306	39	9	7	2	-	613	984	25	959
2012	345	306	39	9	7	2	-	604	989	24	965
2013	345	306	39	14	9	2	3	585	1,006	24	982
2014	345	306	39	13	9	2	2	578	1,033	22	1,011
2015	345	306	39	13	9	2	2	563	1,128	21	1,107
2016	345	306	39	13	9	2	2	559	1,142	21	1,121
2017	344	305	39	13	9	2	2	552	1,153	21	1,132
2018	344	305	39	13	9	2	2	550	1,129	20	1,109

(3) Category 3 includes: (a) Members of the Farmers' Association or the Irrigation Association, or workers aged over fifteen who are actually engaged in agricultural activities; (b) Class A members of the Fishers Association who are either self-employed or have no particular employers, or workers aged over fifteen who are actually engaged in fishery activities.

(4) Category 4 includes: (a) Military servicemen whose compulsory service terms are over two months or who are summoned to serve in military for more than two months, military school students who receive grants from the government, military servicemen's dependents who lost their support recognized by the Ministry of Defense, and military decedent's families who are receiving pensions due to the death of their decedents. (b) Men at age for enlisting in the military, who are currently in military-substitute service. (c) Those who are serving sentences in correctional institutions or receiving punishments from police and military court-martial. However, this is not applicable to those who are serving sentences of less than two months or are under parole.

(5) Category 5 includes: Members of a household of low-income families as defined by the Social Support Law.

(6) Category 6 includes: (a) Veterans, household representatives of survivors of veterans; (b) Representatives or heads of household other than the insured or their dependents prescribed in Categories 1 to 5 and Category 6 (a).

15-16c. Number of Group Insurance Applicants and Beneficiaries under National Health Insurance (Continued)

2. Beneficiaries

Unit: Persons

End of Year	Grand Total	Category 1						Category 2		
		Total	Item 1	Item 2	Item 3	Item 4	Item 5	Total	Item 1	Item 2
1995	19,123,278	10,437,339	1,200,289	8,507,771	428,809	300,470	-	4,029,716	4,029,494	222
1999	21,089,859	11,236,257	1,246,959	9,080,776	493,914	414,514	94	3,799,093	3,798,648	445
2000	21,400,826	11,465,521	1,257,699	9,251,834	530,161	425,752	75	3,750,883	3,750,167	716
2001	21,653,555	11,447,046	1,444,154	8,988,288	592,511	422,023	70	3,772,174	3,771,589	585
2002	21,869,478	11,458,910	1,428,926	9,013,020	591,451	425,455	58	3,768,633	3,768,069	564
2003	21,984,415	11,630,008	1,419,131	9,126,776	653,875	430,130	96	3,711,081	3,710,624	457
2004	22,134,270	11,780,375	1,393,464	9,312,608	628,849	445,380	74	3,683,993	3,683,635	358
2005	22,314,647	11,798,491	1,356,920	9,366,651	603,585	471,267	68	3,742,726	3,742,359	367
2006	22,484,427	11,919,580	1,338,581	9,475,398	617,029	488,529	43	3,748,498	3,748,050	448
2007	22,803,048	11,993,100	1,325,111	9,558,662	618,082	491,233	12	3,775,260	3,774,828	432
2008	22,918,144	11,929,887	1,317,844	9,465,832	653,973	457,179	35,059	3,875,407	3,874,974	433
2009	23,025,773	11,954,639	1,312,564	9,453,490	698,300	454,119	36,166	3,999,953	3,999,635	318
2010	23,074,487	12,240,752	1,288,599	9,765,947	688,096	460,985	37,125	3,976,004	3,975,664	340
2011	23,198,664	12,470,563	1,261,213	10,005,821	692,999	471,960	38,570	3,962,392	3,962,004	388
2012	23,280,949	12,649,300	1,237,424	10,192,237	697,292	477,714	44,633	3,868,431	3,867,946	485
2013	23,462,863	12,911,504	1,226,872	10,432,857	706,468	492,367	52,940	3,785,722	3,785,193	529
2014	23,621,599	13,178,029	1,219,371	10,676,661	720,749	506,141	55,107	3,772,173	3,771,461	712
2015	23,737,221	13,399,350	1,219,902	10,866,404	737,472	519,397	56,175	3,759,457	3,758,510	947
2016	23,814,584	13,603,148	1,220,151	11,039,871	751,460	534,494	57,172	3,722,199	3,721,300	899
2017	23,880,332	13,830,699	1,220,741	11,228,726	773,735	549,401	58,096	3,668,824	3,668,074	750
2018	23,948,108	14,026,878	1,220,759	11,387,792	795,718	563,480	59,129	3,621,883	3,621,211	672

15-16d. Number of Group Insurance Applicants and Beneficiaries under National Health Insurance (Continued)

2. Beneficiaries

Unit: Persons

End of Year	Category 3			Category 4 (1)				Category 5	Category 6		
	Total	Item 1	Item 2	Total	Item 1	Item 2	Item 3		Total	Item 1	Item 2
1995	2,998,439	2,652,042	346,397	69,059	...	...	-	111,452	1,477,273	593,614	883,659
1999	3,297,840	2,827,356	470,484	69,259	...	...	-	129,890	2,557,520	646,145	1,911,375
2000	3,304,109	2,805,501	498,608	68,579	...	...	-	146,335	2,665,399	645,595	2,019,804
2001	3,327,657	2,797,024	530,633	...	...	...	-	152,882	2,953,796	644,785	2,309,011
2002	3,328,171	2,765,028	563,143	...	...	...	-	167,637	3,146,127	643,902	2,502,225
2003	3,276,065	2,700,854	575,211	...	...	...	-	186,033	3,181,228	638,327	2,542,901
2004	3,209,126	2,629,808	579,318	...	...	...	-	204,218	3,256,558	630,103	2,626,455
2005	3,141,774	2,561,611	580,163	...	...	...	-	211,614	3,420,042	628,487	2,791,555
2006	3,087,747	2,503,637	584,110	...	...	...	-	218,559	3,510,043	616,762	2,893,281
2007	3,036,617	2,450,452	586,165	173,413	155,295	18,118	-	221,916	3,602,742	607,446	2,995,296
2008	2,993,633	2,407,432	586,201	161,766	141,480	20,286	-	225,609	3,731,842	597,133	3,134,709
2009	2,924,081	2,330,033	594,048	160,189	136,970	23,219	-	254,677	3,732,234	585,847	3,146,387
2010	2,828,337	2,247,513	580,824	157,576	136,960	20,616	-	271,211	3,600,607	572,508	3,028,099
2011	2,750,311	2,176,681	573,630	160,591	138,944	21,647	-	310,273	3,544,534	558,935	2,985,599
2012	2,690,876	2,126,520	564,356	151,910	130,931	20,979	-	347,607	3,572,825	552,929	3,019,896
2013	2,631,177	2,069,407	561,770	186,671	91,753	34,043	60,875	352,700	3,595,089	547,814	3,047,275
2014	2,539,882	1,979,066	560,816	185,047	91,292	34,121	59,634	349,088	3,597,380	536,426	3,060,954
2015	2,441,512	1,882,636	558,876	181,914	96,467	26,676	58,771	334,119	3,620,869	526,837	3,094,032
2016	2,367,177	1,812,924	554,253	164,821	74,358	32,697	57,766	322,950	3,634,289	515,571	3,118,718
2017	2,281,407	1,733,185	548,222	142,877	59,796	25,085	57,996	308,207	3,648,318	502,643	3,145,675
2018	2,208,084	1,669,997	538,087	118,431	45,455	13,809	59,167	302,932	3,669,900	487,516	3,182,384

(1) The number of beneficiaries of Category 4 is not listed during 2001~2006.

15-17a. Average Amount of Monthly Payroll on which National Health Insurance Premiums Are Assessed

Unit: NT\$

End of Year	GrandTotal	Category 1						Category 2		
		Total	Item 1	Item 2	Item 3	Item 4	Item 5	Total	Item 1	Item 2
1995	20,691	23,351	24,959	21,875	26,861	45,669	-	17,571	17,569	36,893
1999	24,619	28,026	28,916	26,732	28,411	44,852	43,231	19,721	19,718	42,669
2000	25,245	28,876	29,180	27,885	26,967	44,241	34,950	19,940	19,933	42,612
2001	25,693	29,575	29,218	28,691	27,252	44,742	34,393	20,260	20,255	42,795
2002	27,671	32,662	46,034	30,317	27,790	44,729	33,950	20,687	20,681	45,568
2003	27,974	32,881	46,557	30,646	27,160	45,061	31,100	20,917	20,913	44,954
2004	28,329	33,172	46,929	31,031	27,534	44,714	30,550	21,271	21,268	46,466
2005	29,497	34,841	51,447	32,515	28,676	44,575	30,939	21,763	21,759	49,940
2006	30,066	35,423	51,612	33,210	28,576	45,333	36,000	22,494	22,489	50,841
2007	31,427	36,507	53,902	34,113	29,318	47,291	46,525	24,203	24,198	51,037
2008	31,672	36,904	53,949	34,581	28,984	46,223	64,658	24,472	24,467	51,127
2009	31,847	37,005	55,193	34,470	29,091	47,063	68,359	25,095	25,092	49,835
2010	32,544	37,596	55,684	35,211	29,210	47,417	70,404	25,813	25,810	47,826
2011	33,505	38,348	57,758	35,907	30,142	47,896	70,709	26,884	26,881	46,675
2012	34,087	39,090	58,619	36,715	30,915	48,361	67,376	26,776	26,772	45,420
2013	34,715	39,846	62,864	37,186	31,184	48,591	67,556	26,680	26,677	44,954
2014	35,402	40,291	63,408	37,736	31,198	48,990	66,902	27,327	27,324	41,529
2015	35,918	40,878	63,229	38,470	31,418	49,620	66,210	27,298	27,294	38,602
2016	36,380	41,406	63,872	39,032	31,568	50,292	65,638	27,173	27,167	43,759
2017	36,933	42,059	64,071	39,800	32,103	50,451	68,014	26,913	26,907	44,726
2018	38,079	43,118	66,125	40,820	33,260	50,546	72,008	27,634	27,629	45,674

Source: See Table 15-16a.

15-17b. Average Amount of Monthly Payroll on which National Health Insurance Premiums Are Assessed (Continued)

Unit: NT\$

End of Year	Category 3			Category 4 (1)				Category 5 (1)	Category 6 (1)		
	Total	Item 1	Item 2	Total	Item 1	Item 2	Item 3		Total	Item 1	Item 2
1995	16,501	16,500	16,513	23,802	...	...	-	925	925	925	925
1999	19,200	19,200	19,200	27,995	...	...	-	1,007	1,007	1,007	1,007
2000	19,200	19,200	19,200	27,923	...	...	-	1,007	1,007	1,007	1,007
2001	19,200	19,200	19,200	1,007	1,007	1,007	-	1,007	1,007	1,007	1,007
2002	19,200	19,200	19,200	1,078	1,078	1,078	-	1,078	1,007	1,007	1,007
2003	19,200	19,200	19,200	1,078	1,078	1,078	-	1,078	1,007	1,007	1,007
2004	19,200	19,200	19,200	1,078	1,078	1,078	-	1,078	1,007	1,007	1,007
2005	19,200	19,200	19,200	1,078	1,078	1,078	-	1,078	1,007	1,007	1,007
2006	19,200	19,200	19,200	1,078	1,078	1,078	-	1,078	1,007	1,007	1,007
2007	21,000	21,000	21,000	1,317	1,317	1,317	-	1,317	1,099	1,099	1,099
2008	21,000	21,000	21,000	1,317	1,317	1,317	-	1,317	1,099	1,099	1,099
2009	21,000	21,000	21,000	1,376	1,376	1,376	-	1,376	1,099	1,099	1,099
2010	21,000	21,000	21,000	1,376	1,376	1,376	-	1,376	1,249	1,249	1,249
2011	21,900	21,900	21,900	1,376	1,376	1,376	-	1,376	1,249	1,249	1,249
2012	21,900	21,900	21,900	1,376	1,376	1,376	-	1,376	1,249	1,249	1,249
2013	21,900	21,900	21,900	1,376	1,376	1,376	1,376	1,376	1,249	1,249	1,249
2014	22,800	22,800	22,800	1,376	1,376	1,376	1,376	1,376	1,249	1,249	1,249
2015	22,800	22,800	22,800	1,726	1,726	1,726	1,726	1,726	1,249	1,249	1,249
2016	22,800	22,800	22,800	1,759	1,759	1,759	1,759	1,759	1,249	1,249	1,249
2017	22,800	22,800	22,800	1,759	1,759	1,759	1,759	1,759	1,249	1,249	1,249
2018	24,000	24,000	24,000	1,759	1,759	1,759	1,759	1,759	1,249	1,249	1,249

(1) The system of calculating premiums on the basis of the insured payroll-related amount does not apply to the insured in categories 4 (from February 2001) , 5 and 6, whose premiums are instead calculated as the average premium of all beneficiaries based on actuarial results. The figures for categories 4 and 5 and 6 above are thus premiums.

15-18. Revenues and Costs of National Health Insurance

Unit: NT\$ million

Period	Insurance Revenues (A)			Insurance Costs (B)			Net of Reserve Fund (C=A-B)
	Total	Premiums	Other (1)	Total	Medical Benefits	Other (2)	
1995	194,500	194,157	344	157,357	156,847	509	37,144
1999	269,127	267,294	1,834	290,130	285,897	4,233	-21,003
2000	291,404	290,734	670	290,439	282,105	8,334	964
2001	291,510	290,870	640	307,152	301,788	5,364	-15,642
2002	311,200	303,417	7,783	326,854	323,255	3,599	-15,655
2003	338,778	327,774	11,004	339,160	335,792	3,368	-383
2004	353,263	343,966	9,297	353,693	352,617	1,076	-430
2005	366,058	356,100	9,958	372,393	367,397	4,996	-6,335
2006	386,105	367,990	18,115	386,424	382,209	4,215	-319
2007	391,860	370,628	21,231	405,627	401,149	4,478	-13,767
2008	406,752	384,884	21,868	420,707	415,928	4,779	-13,955
2009	407,468	385,847	21,621	439,166	434,786	4,380	-31,698
2010	465,180	438,659	26,520	446,666	442,312	4,354	18,514
2011	496,757	469,468	27,289	462,577	458,195	4,382	34,180
2012	510,746	482,852	27,895	484,215	480,444	3,771	26,531
2013	559,485	530,080	29,405	505,904	502,127	3,777	53,581
2014	573,289	545,103	28,186	521,896	518,144	3,752	51,394
2015	644,963	569,435	75,528	542,068	538,076	3,992	102,895
2016	590,820	556,739	34,081	572,262	568,332	3,930	18,557
2017	593,972	572,954	21,017	603,811	599,729	4,082	-9,840
2018	611,322	593,194	18,127	636,312	631,635	4,677	-24,991

(1) Other insurance revenues include interest income, investment income and losses, and other extra income.

(2) Other insurance costs include bad debt expenses, interest expenses, and other extra costs.

Source: See Table 15-16a.

**16. NATIONAL WELL-BEING
INDICATORS**

16-1. Housing conditions

A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Rooms per person	rooms	1.60	1.60	1.70	1.70	-	-	-
Housing expenditure	%	18.00	18.00	17.00	17.00	18.00	17.00	...
Dwelling without basic facilities	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00

B. Domestic Indicators

Domestic Indicators		Year						
		2012	2013	2014	2015	2016	2017	2018
Average dwelling space per person	pin	13.49	13.54	14.01	14.19	14.44	14.67	...
Ratio of house price to income	-	7.80	8.40	8.40	8.50	9.30	9.20	...
Ratio of rent to income	%	13.80	13.50	13.60	13.50	13.60	13.50	...
Satisfaction with present dwelling	%	81.90	84.90	82.90	85.90	84.80	84.30	...
Satisfaction with dwelling surrounding environment-quality	%	82.40	81.90	81.80	83.00	82.30	82.50	...

Note: To compare people's well-being with other countries, the Directorate-General of Budget, Accountant and Statistics (DGBAS) adopted the framework of Your Better Life Index issued by OECD to compile the International Indicators of our National Well-being Indicators, as shown in part A of Table 16-1 to 16-11, including 11 topics and 24 indicators. However, the DGBAS has discontinued the self-ranking since 2017. In addition, to illustrate national feelings, the DGBAS has also compiled the Domestic Indicators, in accordance with the characteristics of life in Taiwan, as in part B of Table 16-1 to 16-11. Meanwhile, please notice that the indicators, either from the OECD or domestic agencies, are subject to change due to the changing of definitions year by year.

Source: DGBAS, Executive Yuan, R.O.C. (Taiwan), National Statistics/Social Indicators/Well-being Indicators, retrieved Jun 2019

16-2. Income and Wealth
A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Household disposable income (PPP)	US\$	29,475	29,741	31,869	31,740	31,842	33,948	...
Household financial wealth (PPP)	US\$	-	155,766	167,333	171,829	180,001	202,242	...

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Annual change rate of median disposable income per capita	%	4.11	2.95	3.84	2.53	3.94	2.62	...
Consumption expenditure per capita	NT\$	225,292	232,998	239,736	245,047	253,033	264,388	...
Ratio of income share of highest 20% to that of lowest 20%	-	6.13	6.08	6.05	6.06	6.08	6.07	...
Subjective evaluation of material wellbeing	%	18.97	18.61	-	-	-	-	-
Ratio of relative poverty	%	7.72	7.26	7.16	7.12	6.62	7.15	...

Source: See Table 16-1.

16-3. Jobs and Earnings
A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Employment rate	%	63	63	64	64	65	66	66
Long-term unemployment rate	%	0.69	0.67	0.66	0.61	0.60	0.55	0.53
Personal earnings (PPP)	US\$	50,247	50,528	52,452	52,097	53,031	56,534	...
Labour market insecurity	%	-	4.0	3.7	3.6	3.7	3.5	...

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Ratio of part-time, temporary or dispatched workers	%	6.79	6.94	6.93	6.98	7.04	7.11	7.13
Unemployment rate of age 15 to 24	%	12.66	13.17	12.63	12.05	12.12	11.92	11.54
Satisfaction with Jobs	%	-	67.8	67.2	67.0	69.0	69.2	70.0
Real earning	NT\$	47,540	47,232	48,349	49,705	49,266	50,169	51,389

Source: See Table 16-1.

16-4. Social connections
A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Quality of support network	%	-	92	91	93	92	-	-

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Frequency of socializing with friends	%	28.5	29.3	27.0	25.9	-	-	-
Frequency of socializing with relatives	%	22.6	23.6	24.0	25.0	-	-	-
Time spent volunteering	minute	5.0	-	-	-	-	-	-
Trust in others	%	-	56.7	55.7	57.0	56.1	-	-
Satisfaction with family relationship	point (from 1 to 5)	4.35	4.36	4.39	4.40	4.38	4.40	4.37

Source: See Table 16-2.

16-5. Education and skills

A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Educational attainment	%	74	75	77	78	79	80	82
Years in education	year	16.7	16.7	16.6	16.6	16.6	16.6	16.5
Students skills in maths, reading and science	point	535	-	-	524	-	-	...

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Lifelong learning	%	-	-	32.6	-	34.7	36.2	...

Source: See Table 16-1.

16-6. Environmental quality

A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Air pollution	$\mu\text{g}/\text{m}^3$	-	20	-	-	-	18	18
Water quality	%	67	66	71	72	-	-	-

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Average green spaces per person in the urban area	m^2 per person	3.5	3.6	3.6	4.7	4.9	4.9	...

Source: See Table 16-1.

16-7. Civic engagement and governance

A. International Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Voter turnout	%	74	-	-	-	66	-	-
Stakeholder engagement for developing regulations	point (from 0 to 4)	2.2	-	-	-	-	-	-

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Participation in political activities	%	22.53	30.20	42.20	38.40	-	-	-
Confidence in national government	point (from 1 to 4)	-	2.35	2.29	2.34	2.35	-	-
Confidence in judicial system and courts	point (from 1 to 4)	-	2.19	2.08	2.12	1.98	-	-
Confidence in media	point (from 1 to 4)	-	2.03	1.92	1.96	1.93	-	-
Satisfaction with democratic life	%	-	80.00	76.80	81.70	81.40	-	-
Satisfaction with the freedom of speech	%	-	80.70	75.60	76.80	76.90	-	-

Source: See Table 16-1.

16-8. Health status

A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Life expectancy	year	79.5	80.0	79.8	80.2	80.0	80.4	...
Self-reported health	%	80.0	79.0	80.0	83.0	82.0	83.0	83.0

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Self-reported limitations in daily activities	%	-	11.10	-	-	-	-	-
Caregiver's burden	%	-	-	-	-	-	-	-
Healthy life expectancy by age	year	70.89	71.10	71.10	71.20	71.20	...	...
Percentage of rejection cases in food inspection and test	%	1.24	1.35	1.40	1.11	0.93	1.11	0.62
Foodborne Illness	per 100,000 pop.	24.50	16.70	19.20	26.60	22.40	26.50	19.60

Source: See Table 16-1.

16-9. Subjective Well-Being

A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Life Satisfaction (Cantril Ladder)	point (from 1 to 10)	6.20	-	6.30	6.40	6.40	6.40	6.40

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Life Satisfaction	point (from 1 to 10)	-	-	6.32	6.69	6.62	-	-
Characteristics contribute to Taiwan's Well-being	%	-	1.Life Convenience : 22.72%	-	-	-	-	-
			2.National Health Insurance : 13.90%					
			3.Food: 12.46%					

Source: See Table 16-1.

16-10. Personal security
A. International Indicators

International Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Homicide rate	murder per 100,000 inhabitants	0.8	0.7	0.7	0.8	0.6	0.7	...
Feeling safe walking alone at night	%	-	-	-	-	78.8	79.1	82.0

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Victim of domestic violence	per 100,000 pop.	380	403	409	408	405	405	410
Occurrence of residential burglary	per 100,000 pop.	36.0	26.9	23.4	21.3	20.4	18.8	15.6
Mortality from accidents	per 100,000 pop.	29.5	28.4	30.4	30.0	30.6	29.6	...
Assault rate	%	1.9	1.5	1.4	1.4	-	-	-

Source: See Table 16-1.

16-11. Work and life balance

A. International Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Employees working very long hours	%	9.08	11.92	11.06	10.19	8.02	5.92	5.88
Time devoted to leisure and personal care	hour	14.93	-	-	-	-	-	-

B. Domestic Indicators

Domestic Indicators	Unit	Year						
		2012	2013	2014	2015	2016	2017	2018
Commuting time	minute	38.00	-	-	-	-	-	-
Satisfaction with allocation of time	%	30.10	-	-	-	-	-	-

Source: See Table 16-1.

17. INTERNATIONAL STATISTICS

17-1. Area and Population

Country	Land Area (km ²)	Total Population (million)			Population Density (2018) (person/km ²)
		2009 (mid-year)	2018 (mid-year)	Rate of Annual Increase(%) (2009-2018)	
1. Republic of China (Taiwan)	36,197	23.1	23.6	0.2	650.8
2. Argentina	2,736,690	40.9	44.7	1.0	16.3
3. Australia	7,682,300	21.3	23.5	1.1	3.1
4. Belgium	30,278	10.8	11.6	0.8	382.2
5. Brazil	8,358,140	194.0	208.8	0.8	25.0
6. Canada	9,093,507	33.5	35.9	0.8	3.9
7. Chile	743,812	16.6	17.9	0.9	24.1
8. France	640,427	64.6	67.4	0.5	105.2
9. Germany	348,672	81.8	80.5	-0.2	230.8
10. Hong Kong	1,073	7.0	7.2	0.3	6,722.6
11. India	2,973,193	1,156.9	1,296.8	1.3	436.2
12. Indonesia	1,811,569	240.7	262.8	1.0	145.1
13. Italy	364,485	60.5	62.2	0.3	170.8
14. Japan	364,485	127.7	126.2	-0.1	346.2
15. Korea, Rep. of	96,920	49.0	51.4	0.5	530.5
16. Mainland China	9,326,410	1,330.2	1,384.7	0.4	148.5
17. Malaysia	328,657	27.8	31.8	1.5	96.8
18. Mexico	1,943,945	112.4	126.0	1.3	64.8
19. Netherlands	33,893	16.5	17.2	0.4	506.0
20. New Zealand	264,537	4.2	4.5	0.8	17.2
21. Philippines	298,170	91.6	105.9	1.6	355.1
22. Russian Federation	16,377,742	142.5	142.1	0.0	8.7
23. Saudi Arabia	2,149,690	27.0	33.1	2.3	15.4
24. Singapore	687	5.0	6.0	2.0	8,727.8
25. South Africa	1,214,470	50.7	55.4	1.0	45.6
26. Thailand	510,890	66.4	68.6	0.4	134.3
27. United Kingdom	241,930	62.0	65.1	0.5	269.1
28. United States	9,148,655	306.8	329.3	0.8	36.0

Sources: (1) Online database of Directorate-General of Budget, Accounting and Statistics, Executive Yuan, R.O.C.(Taiwan), retrieved May
(2) Online database of U.S. Census Bureau, retrieved May 2019.

17-2. Economically Active and Total Populations

Unit: 1,000 persons

Country	Period	Total Population (mid-year) (A)	Economically Active Population (B)	Percentage (B/A x 100) %
1. Republic of China (Taiwan)	2018	23,556	11,874	50.4
2. Argentina	2017	44,293	12,622	28.5
3. Australia	2018	23,470	13,288	56.6
4. Belgium	2018	11,571	5,056	43.7
5. Brazil	2018	208,847	103,866	49.7
6. Canada	2018	35,882	19,813	55.2
7. Chile	2018	17,925	9,044	50.5
8. France	2018	67,364	29,824	44.3
9. Germany	2018	80,458	43,382	53.9
10. Hong Kong	2017	7,192	3,955	55.0
11. India	2012	1,205,074	393,818	32.7
12. Indonesia	2017	260,581	128,143	49.2
13. Italy	2018	62,247	25,970	41.7
14. Japan	2018	126,168	68,300	54.1
15. Korea, Rep. of	2018	51,418	27,896	54.3
16. Mainland China	2016	1,373,541	806,940	58.7
17. Malaysia	2018	31,810	15,365	48.3
18. Mexico	2018	125,959	55,545	44.1
19. Netherlands	2018	17,151	9,148	53.3
20. New Zealand	2018	4,546	2,754	60.6
21. Philippines	2018	105,893	42,142	39.8
22. Russian Federation	2018	142,123	76,011	53.5
23. Saudi Arabia	2017	33,091	13,546	40.9
24. Singapore	2017	5,889	3,734	63.4
25. South Africa	2018	55,380	22,728	41.0
26. Thailand	2018	68,616	38,157	55.6
27. United Kingdom	2018	65,105	33,701	51.8
28. United States	2018	329,256	162,075	49.2

Source: (1) See Table 17-1.

(2) Online database of International Labor Organization (ILO), retrieved May 2019.

17-3. Distribution of Employment by Industry

Unit: 1,000 persons

Country	Period	Total	Primary Industry	Secondary Industry	Tertiary Industry	Others	Percentage (%)				
							Total	Primary Industry	Secondary Industry	Tertiary Industry	Others
1. Republic of China (Taiwan)	2018	11,435	561	4,083	6,790	1	100.0	4.9	35.7	59.4	0.0
2. Argentina	2018	11,745	11	2,567	9,136	31	100.0	0.1	21.9	77.8	0.3
3. Australia	2018	12,598	330	2,505	9,763	0	100.0	2.6	19.9	77.5	0.0
4. Belgium	2018	4,755	47	1,001	3,707	0	100.0	1.0	21.1	78.0	0.0
5. Brazil	2018	91,051	8,469	18,301	64,227	54	100.0	9.3	20.1	70.5	0.1
6. Canada	2018	18,658	277	3,652	14,729	0	100.0	1.5	19.6	78.9	0.0
7. Chile	2018	8,390	773	1,874	5,743	0	100.0	9.2	22.3	68.5	0.0
8. France	2018	27,122	670	5,424	20,640	388	100.0	2.5	20.0	76.1	1.4
9. Germany	2018	41,915	524	11,459	29,932	0	100.0	1.3	27.3	71.4	0.0
10. Hong Kong	2017	3,833	...	458	3,365	10 (1)	100.0	...	11.9	87.8	0.3
11. India	2012	383,225	180,132	93,335	109,758	0	100.0	47.0	24.4	28.6	0.0
12. Indonesia	2017	122,781	37,804	27,033	57,943	1	100.0	30.8	22.0	47.2	0.0
13. Italy	2018	23,215	872	6,060	16,283	0	100.0	3.8	26.1	70.1	0.0
14. Japan	2018	66,640	2,280	15,940	47,030	1,390	100.0	3.4	23.9	70.6	2.1
15. Korea, Rep. of	2018	26,822	1,340	6,760	18,722	0	100.0	5.0	25.2	69.8	0.0
16. Mainland China	2017	776,400	209,440	218,240	348,720	0	100.0	27.0	28.1	44.9	0.0
17. Malaysia	2016	14,164	1,610	3,893	8,660	1	100.0	11.4	27.5	61.1	0.0
18. Mexico	2018	53,721	6,826	13,925	32,542	428	100.0	12.7	25.9	60.6	0.8
19. Netherlands	2018	8,798	167	1,285	6,496	850	100.0	1.9	14.6	73.8	9.7
20. New Zealand	2018	2,635	153	522	1,962	-2	100.0	5.8	19.8	74.5	-0.1
21. Philippines	2018	41,157	9,998	7,845	23,312	2	100.0	24.3	19.1	56.6	0.0
22. Russian Federation	2018	72,532	4,267	19,444	48,821	0	100.0	5.9	26.8	67.3	0.0
23. Saudi Arabia	2016	11,686	581	2,862	8,243	0	100.0	5.0	24.5	70.5	0.0
24. Singapore	2017	3,663	...	960	2,696	7 (1)	100.0	...	26.2	73.6	0.2
25. South Africa	2018	16,610	858	3,843	11,900	9	100.0	5.2	23.1	71.6	0.1
26. Thailand	2018	37,865	12,168	8,635	17,061	1	100.0	32.1	22.8	45.1	0.0
27. United Kingdom	2018	32,354	344	5,830	17,116	9,064	100.0	1.1	18.0	52.9	28.0
28. United States	2018	155,761	2,133	30,953	122,675	0	100.0	1.4	19.9	78.8	0.0

(1) Includes agriculture, fishing, quarrying, utilities and sewage & waste management.

Source: See source (2) of Table 17-2.

17-4. Population by Age Group

Country	Period	Population (million)				Percentage (%)			
		All ages	Under 15	15-64	Over 65	All ages	Under 15	15-64	Over 65
1. Republic of China (Taiwan)	2018	23.6	3.1	17.2	3.4	100	13	73	14
2. Argentina	2018	44.7	10.9	28.5	5.3	100	24	64	12
3. Australia	2018	23.5	4.2	15.4	3.9	100	18	66	16
4. Belgium	2018	11.6	2.0	7.4	2.2	100	17	64	19
5. Brazil	2018	208.8	45.7	145.1	18.0	100	22	69	9
6. Canada	2018	35.9	5.5	23.5	6.8	100	15	65	19
7. Chile	2018	17.9	3.6	12.3	2.0	100	20	69	11
8. France	2018	67.4	12.4	41.6	13.4	100	18	62	20
9. Germany	2018	80.5	10.3	52.1	18.0	100	13	65	22
10. Hong Kong	2018	7.2	0.9	5.1	1.2	100	12	70	17
11. India	2018	1,296.8	349.9	864.1	82.8	100	27	67	6
12. Indonesia	2018	262.8	64.7	179.0	19.1	100	25	68	7
13. Italy	2018	62.2	8.5	40.3	13.5	100	14	65	22
14. Japan	2018	126.2	16.0	74.3	35.8	100	13	59	28
15. Korea, Rep. of	2018	51.4	6.7	37.2	7.5	100	13	72	15
16. Mainland China	2018	1,384.7	238.4	990.2	156.1	100	17	72	11
17. Malaysia	2018	31.8	8.7	21.0	2.0	100	27	66	6
18. Mexico	2018	126.0	33.5	83.3	9.1	100	27	66	7
19. Netherlands	2018	17.2	2.8	11.1	3.3	100	16	65	19
20. New Zealand	2018	4.5	0.9	2.9	0.7	100	20	65	16
21. Philippines	2018	105.9	35.0	66.0	4.9	100	33	62	5
22. Russian Federation	2018	142.1	24.5	96.8	20.8	100	17	68	15
23. Saudi Arabia	2018	33.1	8.5	23.5	1.1	100	26	71	3
24. Singapore	2018	6.0	0.8	4.6	0.6	100	13	77	10
25. South Africa	2018	55.4	15.6	36.6	3.2	100	28	66	6
26. Thailand	2018	68.6	11.5	49.6	7.5	100	17	72	11
27. United Kingdom	2018	65.1	11.5	41.8	11.8	100	18	64	18
28. United States	2018	329.3	61.3	215.2	52.8	100	19	65	16

Source: See source (2) of Table 17-2.

17-5. Gross Domestic Product and Per Capita GDP

Country	2015		2016		2017	
	GDP (US\$ million)	Per Capita GDP (US\$)	GDP (US\$ million)	Per Capita GDP (US\$)	GDP (US\$ million)	Per Capita GDP (US\$)
1. Republic of China (Taiwan)	525,562	22,400	531,281	22,592	574,940	24,408
2. Argentina	594,749	13,789	557,531	12,790	642,696	14,592
3. Australia	1,351,520	56,748	1,210,028	50,020	1,330,803	54,094
4. Belgium	455,940	40,441	469,677	41,449	494,902	43,507
5. Brazil	1,802,214	8,814	1,796,275	8,713	2,053,595	9,881
6. Canada	1,552,900	43,495	1,526,706	42,280	1,646,867	45,070
7. Chile	243,919	13,574	250,340	13,748	277,746	15,037
8. France	2,438,208	36,613	2,471,286	36,962	2,586,285	38,679
9. Germany	3,381,389	41,395	3,495,163	42,443	3,693,204	44,681
10. Hong Kong	309,384	42,432	320,861	43,734	341,648	46,221
11. India	2,103,588	1,606	2,290,432	1,729	2,652,551	1,981
12. Indonesia	860,854	3,332	931,877	3,563	1,015,423	3,837
13. Italy	1,832,273	30,171	1,869,202	30,831	1,946,570	32,155
14. Japan	4,389,476	34,524	4,926,667	38,794	4,859,951	38,332
15. Korea, Rep. of	1,382,764	27,105	1,414,804	27,608	1,530,751	29,743
16. Mainland China	11,015,542	8,033	11,137,946	8,079	12,143,491	8,759
17. Malaysia	296,636	9,799	296,753	9,671	314,707	10,118
18. Mexico	1,170,565	9,606	1,077,828	8,739	1,158,071	9,281
19. Netherlands	765,265	45,175	783,528	46,008	830,573	48,483
20. New Zealand	177,208	38,560	187,854	40,027	202,591	42,260
21. Philippines	292,774	2,867	304,898	2,941	313,620	2,982
22. Russian Federation	1,363,594	9,314	1,282,724	8,745	1,578,624	10,751
23. Saudi Arabia	654,270	20,628	644,936	19,879	688,586	20,804
24. Singapore	308,004	55,647	318,068	56,724	338,406	60,298
25. South Africa	317,537	5,733	295,747	5,262	348,872	6,121
26. Thailand	401,296	5,840	412,353	5,979	455,276	6,578
27. United Kingdom	2,896,421	44,472	2,659,239	40,540	2,637,866	39,932
28. United States	18,219,298	56,803	18,707,188	57,904	19,485,394	59,928

Source: (1) See source (1) of Table 17-1.

(2) Online database of World Bank(WB), retrieved July 2019.

17-6. Savings and Investment

Country	2016						2017					
	Gross Savings		Gross Investment		Excess Savings		Gross Savings		Gross Investment		Excess Savings	
	amount (US\$ million)	as % of GDP	amount (US\$ million)	as % of GDP	amount (US\$ million)	as % of GDP	amount (US\$ million)	as % of GDP	amount (US\$ million)	as % of GDP	amount (US\$ million)	as % of GDP
1. Republic of China (Taiwan)	187,774	35.3	110,182	20.7	77,591	14.6	202,402	35.2	116,399	20.2	86,003	15.0
2. Argentina	81,612	14.6	98,478	17.7	-16,867	-3.0	86,965	13.5	120,552	18.8	-33,587	-5.2
3. Australia	250,186	20.7	307,576	25.4	-57,390	-4.7	290,714	21.8	320,063	24.1	-29,349	-2.2
4. Belgium	111,442	23.7	113,104	24.1	-1,662	-0.4	126,268	25.5	121,990	24.6	4,278	0.9
5. Brazil	241,647	13.5	268,985	15.0	-27,338	-1.5	293,922	14.3	308,771	15.0	-14,849	-0.7
6. Canada	291,511	19.1	350,050	22.9	-58,539	-3.8	330,200	20.1	388,492	23.6	-58,292	-3.5
7. Chile	51,642	20.6	55,628	22.2	-3,986	-1.6	53,890	19.4	59,970	21.6	-6,081	-2.2
8. France	538,494	21.8	558,743	22.6	-20,249	-0.8	587,800	22.7	604,304	23.4	-16,504	-0.6
9. Germany	985,202	28.2	687,162	19.7	298,039	8.5	1,043,165	28.2	742,054	20.1	301,111	8.2
10. Hong Kong	81,719	25.5	69,008	21.5	12,711	4.0	91,219	26.7	75,320	22.0	15,899	4.7
11. India	725,795	31.7	691,986	30.2	33,809	1.5	827,210	31.2	820,733	30.9	6,477	0.2
12. Indonesia	278,844	29.9	315,522	33.9	-36,678	-3.9	312,641	30.8	342,371	33.7	-29,730	-2.9
13. Italy	374,361	20.0	328,593	17.6	45,768	2.4	390,958	20.1	342,980	17.6	47,978	2.5
14. Japan	1,347,538	27.4	1,153,205	23.4	194,333	3.9	1,365,923	28.1	1,161,673	23.9	204,250	4.2
15. Korea, Rep. of	509,828	36.0	413,864	29.3	95,964	6.8	552,895	36.1	475,691	31.1	77,205	5.0
16. Mainland China	5,064,810	45.5	4,953,534	44.5	111,276	1.0	5,629,811	46.4	5,384,906	44.3	244,905	2.0
17. Malaysia	83,862	28.3	76,664	25.8	7,198	2.4	89,790	28.5	80,434	25.6	9,356	3.0
18. Mexico	240,296	22.3	256,182	23.8	-15,886	-1.5	268,714	23.2	265,863	23.0	2,851	0.2
19. Netherlands	223,634	28.5	160,526	20.5	63,108	8.1	258,757	31.2	171,691	20.7	87,067	10.5
20. New Zealand	39,270	20.9	44,143	23.5	-4,873	-2.6	41,263	20.4	47,575	23.5	-6,312	-3.1
21. Philippines	132,920	43.6	74,429	24.4	58,490	19.2	137,560	43.9	78,833	25.1	58,726	18.7
22. Russian Federation	325,435	25.4	301,879	23.5	23,555	1.8	410,650	26.0	380,325	24.1	30,325	1.9
23. Saudi Arabia	175,653	27.2	171,591	26.6	4,062	0.6	209,168	30.4	198,739	28.9	10,429	1.5
24. Singapore	141,094	44.4	85,004	26.7	56,089	17.6	153,490	45.4	95,305	28.2	58,185	17.2
25. South Africa	48,372	16.4	57,236	19.4	-8,864	-3.0	55,176	15.8	64,897	18.6	-9,721	-2.8
26. Thailand	124,483	30.2	86,347	20.9	38,136	9.2	146,096	32.1	103,967	22.8	42,129	9.3
27. United Kingdom	320,021	12.0	458,859	17.3	-138,838	-5.2	345,738	13.1	454,639	17.2	-108,901	-4.1
28. United States	3,499,159	18.7	3,801,378	20.3	-302,219	-1.6	3,700,975	19.0	4,011,154	20.6	-310,179	-1.6

Source: See Table 17-5.

17-7. Structure of Gross Domestic Product by Industry

Country	Period	GDP		% of GDP		
		US\$ million	Annual Growth Rate (%)	Agriculture	Industry	Services
1. Republic of China (Taiwan)	2018	589,997	2.6	1.6	35.2	63.2
2. Argentina	2017	642,696	2.7	5.5	21.9	72.6
3. Australia	2017	1,330,803	2.3	2.7	23.5	73.8
4. Belgium	2017	494,902	1.7	0.7	19.6	79.7
5. Brazil	2017	2,053,595	1.1	4.6	18.4	77.0
6. Canada	2015	1,552,900	0.7	1.7	24.8	73.5
7. Chile	2017	277,746	1.3	3.9	29.6	66.5
8. France	2017	2,586,285	2.3	1.6	17.2	81.2
9. Germany	2017	3,693,204	2.2	0.8	28.0	71.2
10. Hong Kong	2017	341,648	3.8	0.1	7.2	92.7
11. India	2017	2,652,551	7.2	15.6	26.5	57.9
12. Indonesia	2017	1,015,423	5.1	13.1	39.4	47.5
13. Italy	2017	1,946,570	1.7	1.9	21.5	76.6
14. Japan	2017	4,859,951	1.9	1.2	29.1	69.7
15. Korea, Rep. of	2017	1,530,751	3.1	2.0	35.9	62.1
16. Mainland China	2017	12,143,491	6.8	7.6	40.5	51.9
17. Malaysia	2017	314,707	5.9	8.8	38.8	52.4
18. Mexico	2017	1,158,071	2.1	3.4	30.7	65.9
19. Netherlands	2017	830,573	2.9	1.9	17.4	80.7
20. New Zealand	2016	187,854	3.6	6.6	19.2	74.2
21. Philippines	2017	313,620	6.7	9.7	30.4	59.9
22. Russian Federation	2017	1,578,624	1.6	3.5	30.5	66.0
23. Saudi Arabia	2017	688,586	-0.7	2.5	45.9	51.6
24. Singapore	2017	338,406	3.7	0.0	23.6	76.4
25. South Africa	2017	348,872	1.3	2.3	25.9	71.8
26. Thailand	2017	455,276	4.0	8.3	35.3	56.4
27. United Kingdom	2017	2,637,866	1.8	0.6	17.9	81.5
28. United States	2017	19,485,394	2.2	0.9	18.2	80.9

Source: See Table 17-5.

17-8. Expenditure on Gross Domestic Product

Unit: %

Country	Period	Gross Domestic Product	National Consumption			Gross Capital Formation			Exports of Goods & Services	Less: Imports of Goods & Services
			Subtotal	Private	General Government	Subtotal	Gross Fixed Capital Formation	Increase in Inventory		
1. Republic of China (Taiwan)	2018	100.0	68.1	53.6	14.5	21.3	21.0	0.3	66.8	56.3
2. Argentina	2017	100.0	84.0	66.3	17.7	18.8	15.0	3.7	11.2	14.0
3. Australia	2017	100.0	75.3	56.7	18.6	24.1	23.9	0.1	21.2	20.6
4. Belgium	2017	100.0	74.2	51.0	23.2	24.6	23.5	1.2	85.8	84.6
5. Brazil	2017	100.0	84.0	64.0	20.0	15.0	15.0	0.1	12.6	11.6
6. Canada	2017	100.0	78.9	58.2	20.7	23.6	22.8	0.8	31.1	33.4
7. Chile	2017	100.0	77.0	63.0	14.0	21.6	21.1	0.5	28.5	27.1
8. France	2017	100.0	77.7	54.0	23.7	23.4	22.5	0.9	30.8	31.9
9. Germany	2017	100.0	72.3	52.9	19.5	20.1	20.3	-0.2	47.0	39.5
10. Hong Kong	2017	100.0	76.9	67.1	9.8	22.0	21.6	0.4	188.8	187.7
11. India	2017	100.0	70.0	59.0	11.0	30.9	28.6	2.3	18.8	22.0
12. Indonesia	2017	100.0	66.4	57.3	9.1	33.7	32.2	1.6	20.2	19.2
13. Italy	2017	100.0	79.5	60.8	18.7	17.6	17.6	0.0	31.2	28.3
14. Japan	2017	100.0	75.2	55.5	19.7	23.9	23.8	0.1	17.8	16.8
15. Korea, Rep. of	2017	100.0	63.4	48.1	15.3	31.1	31.1	0.0	43.1	37.7
16. Mainland China	2017	100.0	53.3	38.7	14.5	44.3	42.6	1.8	20.0	18.2
17. Malaysia	2017	100.0	67.5	55.3	12.2	25.6	25.3	0.3	71.4	64.4
18. Mexico	2017	100.0	77.0	65.3	11.7	23.0	22.1	0.8	37.6	39.4
19. Netherlands	2017	100.0	68.6	44.4	24.2	20.7	20.5	0.2	83.0	72.2
20. New Zealand	2017	100.0	75.6	57.5	18.0	23.5	23.2	0.3	27.6	26.7
21. Philippines	2017	100.0	84.7	73.5	11.2	25.1	25.0	0.1	31.0	40.9
22. Russian Federation	2017	100.0	70.8	52.7	18.1	24.1	22.3	1.8	26.1	20.7
23. Saudi Arabia	2017	100.0	65.6	41.2	24.4	28.9	24.3	4.6	34.9	29.3
24. Singapore	2017	100.0	46.0	35.6	10.4	28.2	26.2	2.0	171.4	146.4
25. South Africa	2017	100.0	80.4	59.4	20.9	18.6	18.7	-0.1	29.8	28.4
26. Thailand	2017	100.0	65.1	48.7	16.4	22.8	23.2	-0.3	68.2	54.3
27. United Kingdom	2017	100.0	84.0	65.7	18.3	17.2	17.1	0.1	30.1	31.3
28. United States	2017	100.0	82.4	68.4	14.0	20.6	20.5	0.1	12.1	15.0

Source: See Table 17-5.

17-9. External Debt

Country	Period					Present Value Percentage of GNI (%) 2017
	2013 (US\$ million)	2014 (US\$ million)	2015 (US\$ million)	2016 (US\$ million)	2017 (US\$ million)	
1. Republic of China (Taiwan)	170,134	177,945	158,954	172,238	181,938	30.8
2. Argentina	146,569	145,472	173,457	190,490	...	...
3. Brazil	483,765	556,920	543,397	543,257	542,980	27.0
4. Colombia	7,431	8,130	9,698	11,204	124,364	41.3
5. Egypt, Arab Rep.	46,503	41,743	48,340	67,641	82,886	35.9
6. India	427,296	457,553	478,875	455,550	513,209	19.8
7. Indonesia	265,458	292,984	306,201	320,966	354,352	30.6
8. Mainland China	1,471,616	1,770,458	1,325,868	1,415,801	1,710,235	14.0
9. Malaysia	188,795	196,587	190,951	200,364	...	...
10. Mexico	406,227	442,414	426,905	422,473	455,058	40.5
11. Pakistan	58,012	61,549	65,818	72,157	84,523	26.3
12. Panama	68,391	78,067	88,566	89,492	...	...
13. Peru	63,546	67,906	67,185	70,636	68,083	33.6
14. Philippines	66,202	77,434	76,448	73,014	73,080	19.4
15. South Africa	139,790	141,599	138,078	146,041	176,335	52.0
16. Thailand	137,353	135,292	129,654	121,497	129,765	31.4
17. Turkey	390,350	406,081	399,966	409,016	454,725	54.1
18. Vietnam	65,448	72,423	77,806	85,642	104,079	48.8

Sources: (1) Online database of Central Bank of R.O.C. (Taiwan), retrieved July 2019.

(2) See source (2) of Table 17-5.

17-10. Indices of Industrial Production

Base: 2010=100

Country	2013	2014	2015	2016	2017	2018
1. Republic of China (Taiwan) (1)	93.4	99.3	98.1	100.0	105.0	108.8
2. Argentina	98.4	96.6	96.9	92.6	...	...
3. Australia	104.3	108.5	109.7	109.5	110.3	...
4. Belgium	102.9	104.2	103.0	107.5	110.6	111.8
5. Brazil	100.1	97.1	89.1	83.4	85.4	86.4
6. Canada	106.4	111.7	111.2	111.1	117.2	121.1
7. Chile	113.5	112.2	112.4	111.6	110.6	...
8. France	99.0	98.0	99.7	100.1	102.2	102.9
9. Germany	107.3	109.4	110.6	112.2	115.5	116.9
10. Hong Kong	100.0	99.6	98.1	97.7	98.1	99.3
11. India	106.2	111.0	113.8	119.7	124.0	130.4
12. Indonesia	114.9	120.4	126.1	131.2	137.4	144.9
13. Italy	97.7	97.7	97.7	97.7	97.7	97.7
14. Japan	98.1	98.1	98.1	98.1	98.1	98.1
15. Korea, Rep. of	99.3	99.3	99.3	99.3	99.3	99.3
16. Mainland China	137.9	149.3	158.4	168.0	179.3	...
17. Malaysia	110.3	116.0	121.5	126.5	132.1	136.1
18. Mexico	105.5	108.3	109.6	110.0	109.7	109.9
19. Netherlands	99.5	96.8	93.5	94.8	95.8	97.2
20. New Zealand	98.8	101.2	102.6	104.6	106.6	...
21. Philippines	124.1	133.1	136.4	152.3	151.9	163.2
22. Russian Federation	110.5	113.2	112.3	114.8	117.2	120.6
23. Saudi Arabia	118.2	128.4	136.9	142.0	...	...
24. Singapore	110.0	112.9	107.1	111.1	122.6	131.3
25. South Africa	106.9	107.0	106.6	107.3	106.8	...
26. Thailand	109.7	105.3	105.4	106.8	108.7	112.7
27. United Kingdom	96.0	97.4	98.6	98.6	99.7	100.7
28. United States	108.4	111.7	110.6	108.4	110.2	114.7

(1) Base 2016=100.

Sources: (1) Online database of Ministry of Economic Affairs, R.O.C., retrieved May 2019.

(2) Online database of International Monetary Fund (IMF), retrieved August 2019.

17-11. Producer Price Indices

Base: 2010=100

Country	2013	2014	2015	2016	2017	2018
1. Republic of China (Taiwan) (1) (2)	114	113	103	100	101	105
2. Argentina	148	187	...	...	...	...
3. Australia	104	107	108	110	112	114
4. Belgium	111	108	101	99	107	112
5. Brazil	123	128	136	152	151	161
6. Canada	109	111	110	110	114	118
7. Chile	101	101	94	90	100	105
8. France	107	106	104	101	104	107
9. Germany	107	106	104	102	105	108
10. Hong Kong	105	103	100	102	106	108
11. India (1)	125	129	124	124	128	134
12. Indonesia (1)	120	137	144	155	...	...
13. Italy	106	106	104	103	105	108
14. Japan	102	105	103	99	101	104
15. Korea, Rep. of	106	105	101	99	103	105
16. Mainland China	...	...	95	95	100	104
17. Malaysia	109	110	102	101	108	107
18. Mexico	112	115	118	125	133	138
19. Netherlands	110	108	103	100	105	108
20. New Zealand	107	107	105	106	110	115
21. Philippines	93	92	86	82	81	81
22. Russian Federation	130	138	157	163	176	197
23. Saudi Arabia (1)	108	109	108	110	109	...
24. Singapore (1)	106	103	87	81	87	105
25. South Africa	123	132	136	146	153	162
26. Thailand	107	107	103	101	102	102
27. United Kingdom	114	106	101	103	111	114
28. United States	107	109	108	108	111	114

(1) Wholesale Price Indices

(2) Base 2016=100.

Source: (1) Online database of International Monetary Fund (IMF), retrieved May 2019.

(2) See Table 17-5.

17-12. Consumer Price Indices

Base: 2010=100

Country	2013	2014	2015	2016	2017	2018
1. Republic of China (Taiwan) (1)	98	99	99	100	101	102
2. Argentina	..	..	..	..	..	..
3. Australia	108	110	112	113	116	118
4. Belgium	108	108	109	111	113	115
5. Brazil	119	127	138	150	156	161
6. Canada	105	107	109	110	112	115
7. Chile	108	113	118	123	126	129
8. France	105	106	106	106	107	109
9. Germany	106	107	107	107	109	111
10. Hong Kong	114	119	123	126	128	131
11. India	132	141	148	155	160	168
12. Indonesia	117	124	132	137	142	147
13. Italy	107	107	107	107	109	110
14. Japan	100	103	104	103	104	105
15. Korea, Rep. of	108	109	110	111	113	115
16. Mainland China	111	113	115	117	119	122
17. Malaysia	107	111	113	115	120	121
18. Mexico	112	116	119	123	130	137
19. Netherlands	107	109	109	110	111	113
20. New Zealand	107	108	108	109	111	112
21. Philippines	111	115	115	117	120	126
22. Russian Federation	122	131	152	162	168	173
23. Saudi Arabia	113	115	117	119	118	121
24. Singapore	113	114	113	113	113	114
25. South Africa	117	125	130	139	146	153
26. Thailand	109	111	110	111	111	112
27. United Kingdom	109	111	111	112	115	118
28. United States	107	109	109	110	112	116

(1) Base 2016=100.

Source: See Table 17-5.

17-13. International Rankings

Country	World Competitiveness Rankings								Rankings for the Ease of Doing Business			
	Issued by WEF (1)				Issued by IMD (2)				2016	2017	2018	2019
	2015	2016	2017	2018	2016	2017	2018	2019				
1. Republic of China (Taiwan)	15	14	15	13	14	14	17	16	11	11	15	13
2. Argentina	106	104	92	81	55	58	56	61	121	116	117	119
3. Australia	21	22	21	22	17	21	19	18	13	15	14	18
4. Belgium	19	17	20	21	22	23	26	27	43	42	52	45
5. Brazil	75	81	80	72	57	61	60	59	116	123	125	109
6. Canada	13	15	14	12	10	12	10	10	14	22	18	22
7. Chile	35	33	33	33	36	35	35	42	48	57	55	56
8. France	22	21	22	17	32	31	28	31	27	29	31	32
9. Germany	4	5	5	3	12	13	15	17	15	17	20	24
10. Hong Kong	7	9	6	7	1	1	2	2	5	4	5	4
11. India	55	39	40	58	41	45	44	43	130	130	100	77
12. Indonesia	37	41	36	45	48	42	43	32	109	91	72	73
13. Italy	43	44	43	31	35	44	42	44	45	50	46	51
14. Japan	6	8	9	5	26	26	25	30	34	34	34	39
15. Korea, Rep. of	26	26	26	15	29	29	27	28	4	5	4	5
16. Mainland China	28	28	27	28	25	18	13	14	84	78	78	46
17. Malaysia	18	25	23	25	19	24	22	22	18	23	24	15
18. Mexico	57	51	51	46	45	48	51	50	38	47	49	54
19. Netherlands	5	4	4	6	8	5	4	6	28	28	32	36
20. New Zealand	16	13	13	18	16	16	23	21	2	1	1	1
21. Philippines	47	57	56	56	42	41	50	46	103	99	113	124
22. Russian Federation	45	43	38	43	44	46	45	45	51	40	35	31
23. Saudi Arabia	25	29	30	39	-	36	39	26	82	94	92	92
24. Singapore	2	2	3	2	4	3	3	1	1	2	2	2
25. South Africa	49	47	61	67	52	53	53	56	73	74	82	82
26. Thailand	32	34	32	38	28	27	30	25	49	46	26	27
27. United Kingdom	10	7	8	8	18	19	20	23	6	7	7	9
28. United States	3	3	2	1	3	4	1	3	7	8	6	8

(1) WEF is abbreviated from World Economic Forum, an independent international organization committed to improving the state of the world by engaging business, political, academic and other leaders of society to shape global, regional and industry agendas.

(2) IMD is abbreviated from International Institute for Management Development.

Sources: (1) World Economic Forum (WEF), *The Global Competitiveness Report 2016-2019*.

(2) International Institute for Management Development (IMD), *IMD World Competitiveness Yearbook 2016-2019*.

(3) World Bank (WB), *Doing Business 2016-2019*.

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