



Appendix II
Statistics

Land Area and Climate

Taipei City became a centrally administered municipality under the Executive Yuan, R.O.C., in July 1967. After several boundary readjustments, the land area of Taipei City by the end of 2011 was 271.7997 square kilometers. The population density of the city was 9,753 persons per square kilometer, ranking first in the country and far exceeding other cities and counties. Taipei City is located in the subtropical zone with year-round rain and no obvious dry seasons. The climate is usually damp and cold during the wintertime due to the influence of the northeast monsoon. The temperature rises during the summertime, since Taipei City is located in a basin that does not allow for regular ventilation. The mean temperature in Taipei City in 2011 was 22.7°C, which was 0.6°C lower than that of 2010. The highest and lowest monthly mean temperatures were 29.7°C in July and 13.7°C in January, respectively, showing a gap of 16°C. The annual number of precipitation days was 180 days and overall precipitation was 1,758.6 millimeters in 2011, which was a 22.81% decrease compared to that of 2010.

Table 1. Land and Climate for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010		
Land Area (km ²)	271.7997	271.7997	271.7997	271.7997	0.0000		
Population Density (person/km ²)	9,650	9,593	9,635	9,753	+118		
Climate ①	2010	2011					
		Jan.	Feb.	March	April	May	
Mean Temperature (°C)	23.3	22.7	13.7	16.9	16.2	21.7	24.7
Mean Relative Humidity (%)	76	76	83	78	74	68	78
Duration of Sunshine (hour)	1,506.6	1,252.2	17.1	87.8	55.0	153.1	94.2
Precipitation (mm)	2,278.3	1,758.6	71.9	68.0	119.1	27.4	222.0
Precipitation Days (day) ②	168	180	25	14	12	7	18
Climate ①	2011						
	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Mean Temperature (°C)	29.0	29.7	29.6	27.6	24.1	22.9	16.7
Mean Relative Humidity (%)	74	72	72	70	76	79	82
Duration of Sunshine (hour)	145.7	181.7	195.7	170.0	53.3	74.5	24.1
Precipitation (mm)	284.6	264.2	166.6	51.6	92.6	231.2	159.4
Precipitation Days (day) ②	13	14	17	9	13	18	20

Sources: Department of Land, Taipei City Government; Department of Civil Affairs, Taipei City Government; Central Weather Bureau.

Note: ① Data for Taipei Area.

② No. of days with daily precipitation greater than or equal to 0.1 mm.

Population Profile

The registered population in Taipei City was 1.6 million when its urban districts were restructured and expanded in 1968. The population increased to 2.65 million by the end of 2011, roughly 1.65 times of that in 1968. The sex ratio (male/100 female) has gradually dropped to 92.85 by the end of 2011, and is the lowest among the cities and counties of the country. The female population exceeds that of the male population, which is similar to figures for Hong Kong, Singapore and Seoul. In terms of age, the old age population has been increasing annually, while the young age population has been decreasing. By the end of 2011, the aging index reached 88.31%, higher than that of Seoul, which is below 70%, and lower than that of Tokyo which is higher than 100%. The dependency ratio decreased to 37.37%, similar to that of Hong Kong, Singapore and Jakarta.

Two factors influence the fluctuation of the total population, namely natural increase (birth and death) and social increase (in-migration and out-migration). Taipei City's natural increase rate in 2011 was 3.47‰, an increase of 2.27 point from 2010, and its social increase rate was 8.75‰, an increase of 5.61 point from 2010 and is the highest number after 1999.

Table 2. Population for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
Registered Households (household)	958,433	969,418	983,237	999,879	+16,642
Registered Population (person)	2,622,923	2,607,428	2,618,772	2,650,968	+32,196
Mean Size of Household (person/household)	2.74	2.69	2.66	2.65	-0.01
Sex Ratio (male/100 female)	94.01	93.58	93.09	92.85	--
Aging Index (%) ①	79.13	83.43	86.48	88.31	(+1.83)
Dependency Ratio (%) ②	38.65	38.30	37.61	37.37	(-0.24)
Population Growth Rate (‰)	-2.41	-5.91	4.35	12.29	(+7.94)
Natural Increase Rate (‰)	1.94	1.58	1.20	3.47	(+2.27)
Social Increase Rate (‰)	-4.35	-7.51	3.14	8.75	(+5.61)

Source: Department of Civil Affairs, Taipei City Government.

Note: The "--" in the table means figures provided are meaningless.

① Aging Index = (population aged 65 and over) / (population under 15 years of age) × 100.

② Dependence ratio = ((population under 15 years of age - population aged 65 and over) / (population aged between 15 and 65 including 15)) × 100.

Marriage and Fertility Profile

According to household registration, in terms of the marital status of Taipei citizens aged 15 and over by the end of 2011, unmarried citizens constituted 34.62% of the population, married citizens 53.01%, divorced citizens 6.85%, and the widowed 5.51%. Compared to the end of 2010, the percentage of those who are unmarried and widowed was reduced by 0.53 and 0.01 point, and the percentages of those married and divorced have increased 0.48 and 0.05 point, respectively.

21,373 couples registered for marriage in Taipei City in 2011, an increase of 23.39% compared to 2010. The crude marriage rate in Taipei for 2011 was 8.11‰, which represents an increase of 1.48 points compared to 2010. The rate of couples with China, Hong Kong, Macau and other foreign spouses was 15.00%, a 3.02- point decrease from 2010. 5,841 couples filed for divorce in Taipei City in 2011, which is a decrease of 4.12% compared to 2010. The crude divorce rate in Taipei for 2011 was 2.22‰, which represents a decrease of 0.11 point compared to 2010. The number of live births in Taipei City was 25,132 in 2011, the highest number after 2003. Of that number, the ratio of male infants to female infants was 106.10. The average age of the mother at child birth was 32.54 years old, the highest figure on record.

Table 3. Marriage and Fertility for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
Rate of Unmarried Population Aged 15 and Over (%)	35.23	35.35	35.15	34.62	(-0.53)
Rate of Married Population Aged 15 and Over (%)	52.85	52.49	52.53	53.01	(+0.48)
Rate of Divorced Population Aged 15 and Over (%)	6.52	6.68	6.80	6.85	(+0.05)
Rate of Widowed Population Aged 15 and Over (%)	5.40	5.49	5.52	5.51	(-0.01)
Couples of Marriages (couple)	18,064	14,266	17,321	21,373	+4,052
Crude Marriage Rate (‰)	6.88	5.46	6.63	8.11	(+1.48)
Rate of Couples with China, HK, Macau and other Foreign Spouses (%)	15.59	21.14	18.02	15.00	(-3.02)
Couples of Divorces (couple)	5,845	6,007	6,092	5,841	-251
Crude Divorce Rate (‰)	2.23	2.30	2.33	2.22	(-0.11)
Number of Live Births (person)	20,691	19,403	18,530	25,132	+6,602
Sex Ratio of Live Births (male/100 female)	107.41	106.28	107.85	106.10	--
Average Age of the Mother at Child Birth (year)	31.90	32.10	32.46	32.54	+0.08

Source: Department of Civil Affairs, Taipei City Government.

Note: The "--" in the table means figures provided are meaningless.

Labor and Employment

The labor force in Taipei City for 2011 was 1,263 thousand persons (667 thousand males and 596 thousand females), which was about 25 thousand more than the figure for 2010. The labor force participation rate was 56.5%, which was 0.2 point higher than that for 2010 and lower than the nationwide rate of 58.17%. The number of unemployed was 56 thousand persons in Taipei City for 2011; and the unemployment rate was 4.4%, a 0.8-point decrease compared to that of 2010.

Among the general employment services conducted by the Taipei City Government in 2011, the number of vacancies was 1.23 times the number of job seekers, higher than the figure of 0.85 times for 2010. There were 61,225 job seekers in total, a 17.12% decrease compared to that of 2010. The number of registered vacancies was 75,186, a 19.43% increase compared to that of 2010. 32,485 of the job seekers were employed through referrals, and employers hired a total of 29,166 persons. Hence, the ratio of applicant placements was 53.06%, an 11.23 point increase compared to that of 2010, and the ratio of occupied vacancies was 38.79%, showing a 0.20 point increase compared to the figure for 2010.

Table 4. Labor and Employment for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
Labor Force (1,000 persons)	1,232	1,240	1,238	1,263	+25
Labor Force Participation Rate (%)	56.3	56.5	56.3	56.5	(+0.2)
Employed Population (1,000 persons)	1,182	1,168	1,174	1,207	+33
Unemployed Population (1,000 persons)	50	72	65	56	-9
Unemployment Rate (%)	4.0	5.8	5.2	4.4	(-0.8)
Successful Arbitration in Cases between Employers and Employees (%)	90.69	90.85	86.54	83.27	(-3.27)
No. of Placements by the City Government (person)	22,765	33,944	30,903	32,485	+1,582
Ratio of Placements by the City Government (%)	34.66	36.98	41.83	53.06	(+11.23)
No. of Openings Filled by the City Government (person)	16,238	22,013	24,295	29,166	+4,871
Ratio of Openings Filled by the City Government (%)	40.27	42.30	38.59	38.79	(+0.20)

Sources: Department of Labor, Taipei City Government; "Yearbook of Manpower Survey Statistics" by the Directorate-General of Budget, Accounting and Statistics, Executive Yuan.

Industry, Commerce, Finance, and Economics

The number of registered business enterprises in Taipei City reached a total of 221,997 firms by the end of 2011, an increase of 4,565 from 2010. The operating income of registered business enterprises was NT\$12.28 trillion in 2011, which was a 4.00% increase compared to that of 2010. There were 1,217 registered factories in Taipei City at the end of 2011, a decrease of 18 from 2010.

The financial statement of the revenue budget of Taipei City for FY 2011 was NT\$164.1 billion and expenditure was NT\$173.1 billion. Taxation is divided into city taxes and national taxes. The actual amount of collected city (local) taxes in 2011 was NT\$62.0 billion, an increase of 1.90% from 2010. The actual amount of collected national taxes in 2011 was NT\$596.2 billion, an increase of 7.93% from 2010.

Table 5. Industry, Commerce, Finance, and Economics for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of Registered Business Enterprises (Number)	213,260	214,356	217,432	221,997	+4,565
Operating Income of Registered Business Enterprises (NT\$ million)	11,893,019	10,230,308	11,810,841	12,283,808	+472,967
No. of Stores Registered (Number)	53,933	55,225	54,120	53,781	-339
No. of Companies Registered (Number)	160,996	158,856	158,107	159,800	+1,693
No. of Factories Registered (Number)	1,342	1,269	1,235	1,217	-18
Net Income of Local Taxes (NT\$ million)	56,571	57,345	60,845	61,999	+1,154
Net Income of National Taxes (NT\$ million)	619,623	537,450	552,436	596,230	+43,794
Financial Statement of the Revenue (NT\$ million) ①	153,865	145,751	169,071	164,106	-4,965
Financial Statement of Expenditure (NT\$ million) ①	148,200	155,523	162,279	173,140	+10,861
Average Budgetary Expenditures of Taipei per Citizen (NT\$) ①	56,434	59,469	62,102	65,711	+3,609

Sources: Department of Economic Development, Taipei City Government; Taipei Revenue Service; Taipei National Tax Administration, Ministry of Finance; Taipei Municipality Audit Division, Ministry of Audit.

Note: ① The figures before 2010 were the financial certificated statement.

For the 2011 academic year (AY), there were a total of 315 public and private schools at all levels in Taipei City with 633,365 students in 18,985 classes. The number of students decreased 1.48% from that of AY 2010. The number of students has been decreasing every year. By analyzing the data for elementary and junior high schools, it is observable that the average number of students in each teacher's care was 12.77 in AY 2011, and the average number of students per class in AY 2011 was 27.04, both slight decreases from AY 2010. This shows that small-class teaching is becoming a trend in elementary and junior high school education in Taipei City, which helps to enhance the quality of education.

The rate of college-educated or above of the population aged 15 or over in Taipei City has steadily risen in recent years, with a figure of 54.49% at the end of 2011, an increase of 1.27 point over 2010. Furthermore, the literacy rate of the population aged 15 or over was 99.22%, an increase of 0.06 point over the end of 2010.

Table 6. Education and Culture for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of Schools at All Levels (school)	315	315	315	315	0
No. of Classes in Schools at All Levels (class)	19,381	19,213	19,066	18,985	-81
No. of Students in Schools at All Levels (person)	658,750	650,088	642,860	633,365	-9,495
No. of Students per Teacher in Junior High & Elementary Schools (person)	14.30	13.90	13.32	12.77	-0.55
No. of Students per Class in Junior High & Elementary Schools (person)	28.97	28.50	27.77	27.04	-0.73
Enrollment Rate of Children at School Age (%)	99.95	99.97	99.97	99.94	(-0.03)
Rate of College-educated or Above of Population Aged 15 or Over (%)	51.18	52.07	53.22	54.49	(+1.27)
Literacy Rate of Population Aged 15 or Over (%)	99.03	99.09	99.16	99.22	(+0.06)
Cultural Activities Hosted (number)	5,590	5,974	6,139	5,822	-317
Participants in Cultural Activities (1,000 person-time)	27,437	39,174	41,446	57,283	+15,837

Sources: Department of Education, Taipei City Government; Department of Civil Affairs, Taipei City Government; Department of Cultural Affairs, Taipei City Government.

Social Welfare

There were 19,427 low-income households with 47,597 persons in Taipei City at the end of 2011, about 1.80% of the entire Taipei population and an increase of 9.08% and 8.61%, respectively, from the end of 2010. The Taipei City Government provides a monthly living subsidy to low-income families in order to meet their basic living needs. The total amount in subsidies was NT\$492.31 million in 2011. Moreover, the City Government provides emergency aid to ameliorate the suffering of victims of major accidents. 4,543 person-times received remuneration in 2011 to the amount of NT\$16.05 million.

In order to respond to the demands of childcare facilities and nursing homes, 683 public and private daycare centers accommodated 39,609 children in Taipei City at the end of 2011. Moreover, 143 public and private long-term senior care and senior homes housed 5,419 persons, and three privately-operated public senior homes that provide seniors with living and medical care services were in operation.

Table 7. Social Welfare for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
Low-Income Households (household)	14,753	16,532	17,810	19,427	+1,617
Low-Income Population (person)	36,274	40,708	43,823	47,597	+3,774
Percentage of Low-Income Population (%)	1.38	1.56	1.67	1.80	(+0.13)
Amount of Living Subsidy for Low-Income Households (NT\$1,000)	379,367	449,431	471,397	492,308	+20,911
No. of Citizens in need of Emergency Aid (person-time)	4,063	3,766	4,847	4,543	-304
Amount of Citizen Emergency Aid (NT\$ 1,000)	21,213	12,569	17,230	16,053	-1,176
No. of Citizens with a Disability ID (person)	110,139	112,643	114,664	116,784	+2,120
Public/Private Child Daycare Organizations (establishment)	784	742	704	683	-21
No. of People Accommodated by Public/Private Child Daycare (person)	45,549	43,520	40,948	39,609	-1,339
No. of Public/Private Long-term Senior Care and Senior Homes (establishment)	162	160	152	143	-9
No. of People Housed by Public/Private Long-term Senior Care and Senior Homes (person)	5,397	5,473	5,426	5,419	-7

Source: Department of Social Welfare, Taipei City Government.

Public Health

At the end of 2011, there were a total of 3,252 public and private hospitals and clinics in Taipei City. The number of sickbeds, medical personnel, ambulances, and pharmaceutical firms per 10,000 persons was 93 beds, 134 persons, 0.75 vehicle, and 41 establishments, respectively. Compared to the end of 2010, the number of sickbeds, medical personnel, ambulances and pharmaceutical firms per 10,000 persons increased by 1 bed, 2 persons, 0.04 vehicle and 1 firm, respectively.

Taipei City's crude birth rate was 9.54 ‰ in 2011, an increase of 2.45 point compared to 7.09‰ of 2010. The crude death rate in 2011 was 6.07 ‰, an increase of 0.18 point compared to that of 2010. Furthermore, according to the Abridged Life Table formulated by the Ministry of the Interior, R.O.C., the average life expectancy at birth in Taipei City in 2010 was 82.42 years, a 0.26 year increase from 2009. Male life expectancy was 80.06 years, whereas for females it was 84.81 years, which was 4.75 years longer than that of males.

Table 8. Public Health for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of Hospitals (establishment) ①	40	39	39	39	0
No. of Clinics (establishment) ①	2,970	3,006	3,108	3,213	+105
No. of Sickbeds per 10,000 Persons (bed) ①	89	91	92	93	+1
No. of Medical Personnel per 10,000 Persons (person) ①	126	130	132	134	+2
No. of Ambulances per 10,000 Persons (vehicle)	0.70	0.74	0.71	0.75	+0.04
No. of Pharmaceutical Firms per 10,000 Persons (establishment)	40	40	40	41	+1
No. of Outpatients at Municipal Hospitals & Clinics per Day (person-time)	18,107	18,294	18,256	18,533	+277
Crude Birth Rate (‰)	7.88	7.42	7.09	9.54	(+2.45)
Crude Death Rate (‰)	5.94	5.84	5.89	6.07	(+0.18)
Infant Mortality Rate (person/1,000 live births)	4.56	3.54	3.80	...	...
Average Life Expectancy (years) ②	81.99	82.16	82.42	...	...
Health of Consumption Expenditures (%)	11.43	11.28	11.38	...	--

Sources: Department of Health, Taipei City Government; Department of Budget, Accounting and Statistics, Taipei City Government; Department of Civil Affairs, Taipei City Government; Department of Statistics, Ministry of the Interior.

Note: The “...” in the table means figures were unknown or unavailable. The infant mortality rate, average life expectancy, and health of consumption expenditures for 2011 are scheduled for publication in June, November, and October, 2012. The full version of the data will be published in “Taipei Yearbook 2012”.

① The data for 2011 is preliminary figure.

② Due to the extreme fluctuation of life expectancy caused by the great changes of yearly age-specific mortality rate, the life expectancy will be compiled with population in 3 consequent years. For example, the figure of 2010 is compiled by population from 2008 to 2010.

Public Security

A total of 46,690 criminal cases were reported in Taipei City in 2011, which were 2,956 cases fewer than that of 2010, and 33,281 of them were cleared with a clearance rate of 71.28%, a decrease of 0.54 points from 2010.

In terms of the crime rate, a total of 1,772.00 criminal cases were reported per 100,000 persons in Taipei City in 2011, which were 127.89 cases fewer than that of 2010. The rate of larceny was 411.86 cases per 100,000 persons (23.24% of total criminal cases), which was 24.52% lower than in 2010. Of all larceny cases, the clearance rate was 69.66%, which was 7.71 points higher than that of 2010. The rate of violent crime was 16.47 cases per 100,000 persons (0.93% of total offenses), which was 3.66% lower than in 2010. Of all violent crime cases, the clearance rate was 102.07%, which was 10.44 points higher than that of 2010.

The number of child and juvenile criminals was 268.57 per 100,000 children and juveniles in Taipei City in 2011, an increase of 12.41% from 2010. The total number of police officers was 7,581 at the end of 2011 in Taipei City, with 28.60 policemen per 10,000 persons, a 4.03% decrease from 2010.

Table 9. Public Security for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of Criminal Cases (case)	54,328	52,544	49,646	46,690	-2,956
Clearance Rate of Criminal Cases (%)	79.21	75.57	71.82	71.28	(-0.54)
No. of Criminal Cases per 100,000 Persons (case)	2,068.77	2,009.20	1,899.89	1,772.00	-127.89
No. of Larceny Cases per 100,000 Persons (case)	727.12	595.87	545.64	411.86	-133.78
Clearance Rate of Larceny Cases (%)	73.75	69.94	61.95	69.66	(+7.71)
No. of Violent Crime Cases per 100,000 Persons (case)	24.79	22.71	20.13	16.47	-3.66
Clearance Rate of Violent Crime Cases (%)	89.25	94.44	91.63	102.07	(+10.44)
No. of Criminals per 100,000 Persons (person)	1,190.89	1,223.67	1,177.11	1,166.21	-10.90
No. of Child and Juvenile Criminals per 100,000 Children and Juveniles (person)	229.64	243.31	238.91	268.57	+29.66
No. of Policemen per 10,000 Persons (person)	29.65	29.98	29.80	28.60	-1.20

Source: Taipei City Police Department.

Public Safety

In terms of traffic accidents, there were 80 cases of A1 motor vehicle accidents (causing death at the scene or within 24 hours) in Taipei City in 2011, or 0.44 case per 10,000 vehicles and 0.31 death per 10,000 persons. There were 5,504 cases of traffic violations per 10,000 persons. Compared with the data for 2010, both the number of mobile accidents and the number of cases of traffic violations decreased.

In terms of fire safety, the number of firefighters in Taipei City was 2,976 (including volunteer firefighters) at the end of 2011, with an average of 11.23 firefighters per 10,000 persons. There were 581 fire trucks of all types, with an average of 2.19 such vehicles per 10,000 persons. 177 fire accidents occurred in Taipei City in 2011, equivalent to 0.48 per day and an average of 0.18 fire per 1,000 households. There were 16 casualties (1 death and 15 injuries) and the total loss in property was estimated at NT\$10.85 million, with 192 houses burned down or damaged in the fires. Compared with the data for 2010, the numbers for fire accidents, casualties, damaged houses and property losses all decreased.

Table 10. Public Safety for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of A1 Traffic Accidents (case)	71	81	84	80	-4
No. of A1 Traffic Accidents per 10,000 Mobiles (case)	0.40	0.45	0.46	0.44	-0.02
No. of Deaths from A1 Traffic Accidents per 10,000 Persons (person)	0.28	0.31	0.33	0.31	-0.02
No. of Offense Cases of Road Traffic Regulations per 10,000 Persons (case)	8,931	8,254	7,040	5,504	-1,536
No. of Firefighters per 10,000 Persons (person)	11.57	11.29	11.31	11.23	-0.08
No. of Fire Accidents (case)	309	251	236	177	-59
No. of Fire Accidents per 1,000 Households (case)	0.32	0.26	0.24	0.18	-0.06
No. of Deaths and Injuries from Fire Accidents (person)	18	31	17	16	-1
No. of Houses Damaged in Fire Accidents (house)	309	370	338	192	-146
Property Losses in Fire Accidents (NT\$1,000)	15,232	16,640	15,618	10,849	-4,769

Sources: Taipei City Police Department; Taipei City Fire Department; Department of Transportation, Taipei City Government.

Transportation

At the end of 2011, there were 744,108 automobiles and 1,101,578 motorcycles registered in Taipei City, with an average of 281 automobiles and 416 motorcycles per 1,000 persons, an increase of 2.62% and 0.64%, respectively, when compared to figures for the end of 2010. In order to meet the demands of parking, the Taipei City Government has continued to construct parking spaces. By the end of 2011, there were 607,213 and 602,552 public and private parking spaces for automobiles and motorcycles, respectively, in Taipei City. The number for both increased from the number for 2010.

With a policy that encourages citizens to use public transportation, the average number of daily bus passengers in Taipei City in 2011 was 1.71 million, a decrease of 2.94% when compared to 2010. A new era in public transportation began with the operation of the Muzha Line of the Taipei Metropolitan Rapid Transit (MRT) in March 1996 and the operating kilometer reached 101.9 km by the end of 2011. The average number of daily passengers taking the Taipei MRT in 2011 was 1.55 million, a 12.06% increase from 2010.

Table 11. Transportation for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of Automobiles Registered (vehicle)	717,624	721,326	725,121	744,108	+18,987
No. of Motorcycles Registered (vehicle)	1,080,660	1,092,788	1,094,564	1,101,578	+7,014
No. of Automobiles per 1,000 Persons (vehicle)	274	277	277	281	+4
No. of Motorcycles per 1,000 Persons (vehicle)	412	419	418	416	-2
No. of Automobile Parking Spaces (space)	543,794	568,154	591,742	607,213	+15,471
No. of Motorcycle Parking Spaces (space)	474,937	530,486	568,141	602,552	+34,411
No. of Bus Passengers per day (1,000 persons)	1,783	1,764	1,760	1,708	-52
No. of MRT Passengers per day (1,000 persons)	1,230	1,267	1,385	1,552	+167
No. of Violations Cited of Road Traffic Regulations per day (case)	10,956	10,274	7,966	6,131	-1,835

Source: Department of Transportation, Taipei City Government.

Environmental Protection

Taipei City began enforcing the policy “Pay for Garbage Disposal by the Bag” on July 1, 2000. The volume of garbage generated has been decreasing generally, whereas the amount of recycling has been increasing generally. In 2011, Taipei City’s recycling volume increased by 24,569 tons as compared to 2010, of which the average amount of garbage generated was 363.97 kg per person per year, which was an additional increase of 8.50 kg as compared to 2010 and a decrease of 177.46 kg (-32.78%) as compared to 1999 prior to the implementation of the levy money of garbage bags. The annual per capita amount of recycled garbage was 181.26 kg, an increase of 172.57 kg (20 times) from 1999. Furthermore, since the policy of recycling food wastes was put into practice in 2003, the volume of food wastes recycled has been increasing generally. The total amount of food wastes recycled was 88,615 tons in 2011, an average of 33.63 kg per capita, which was 4.83% more than that of 2010. The rate of garbage disposal was 100.00% in 2011, which was the same as 2010.

In terms of air quality, the average monthly dustfall per square kilometer in Taipei City in 2011 was 6.3 tons more than that of 2010. The density of suspended particulates in the air was 44.5 micrograms per cubic meter less than that of 2010. The amount of sulfur dioxide in the air was the same as the year 2010 at 0.003 ppm. In terms of sewage treatment, the diffusion rate of household sewers connected in Taipei has increased annually, with the diffusion rate reaching 100.0% at the end of 2011.

Table 12. Environmental Protection for Taipei City

Item (Unit)	1999	2009	2010	2011	Comparison between 2011 and 2010
Volume of Garbage Generated per Capita (kg) ①	541.43	322.11	355.47	363.97	+8.50
Volume of Garbage Recycled per Capita (kg)	8.69	141.94	173.37	181.26	+7.89
Volume of Food Wastes Recycled per Capita (kg)	...	31.09	32.08	33.63	+1.55
Garbage Disposal Rate (%)	117.31	100.00	100.00	100.00	(0.00)
Monthly Dustfall (metric ton/km ²)	11.2	6.6	6.2	6.3	+0.1
Suspended Particulates in the Air (μg /m ³)	51.6	50.1	49.9	44.5	-5.4
Sulfur Dioxide in the Air (ppm)	0.007	0.003	0.003	0.003	0.000
Percentage of Population Served by Wastewater Treatment Plants (%) ②	45.6	103.7	100.0	100.0	(0.0)
Nuisance Petition (case)	21,202	66,351	66,053	59,550	-6,503

Sources: Department of Environmental Protection, Taipei City Government; Public Works Department, Taipei City Government.

Note: The “...” in the table indicates data are unknown or unavailable.

① The volume of garbage generated per capita covers the amount of disposal, resources recycled, kitchen waste recycled, and large waste reused.

② Percentage of population served by wastewater treatment plants = (Accumulated Number of Connection Sewers Household × 4) ÷ Population of Citywide × 100%. Since 2009 this percentage had exceeded 100%, so since 2010 the percentage exceeds 100% as 100%.

Public Works

Taipei City has demonstrated small-scale stable growth in terms of public works such as roads, parks and green fields and tap water. In Taipei City at the end of 2011, the road area was 20.92 million square meters, 7,376 square meters more than that of 2010. The area for parks & green fields was 13.64 million square meters, 110 thousand square meters more than that of 2010. The tap water diffusion rate was 99.55% in 2011, a 0.01 point increase from 2010.

To provide the citizens of Taipei City with a quality living environment, the sidewalk improvement plan was initiated in 1999. 51,300 square meters of sidewalks were improved in 2011. 2,103.8 thousand square meters were updated or completed as of the end of 2011. 99.48 kilometers of the sewage pipes were constructed and completed in 2011, making the total sewage pipes within Taipei City 2,355.34 kilometers. The percentage of user hookups has reached 100% since 2010.

Table 13. Public Works for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
Road Area (m ²)	20,884,690	20,900,954	20,909,292	20,916,668	+7,376
Per Capita Road Area (m ²)	7.96	8.02	7.98	7.89	-0.09
Capita Parks & Green Fields Area (m ²) ①	13,525,134	13,508,871	13,529,929	13,643,094	+113,165
Per Capita Parks & Green Fields Area (m ²) ①	5.16	5.18	5.17	5.15	-0.02
Capita Public Market Area (m ²)	480,129	483,365	478,812	492,092	+13,280
Per Capita Public Market Area (m ²)	0.183	0.185	0.183	0.186	+0.003
Tap Water Diffusion Rate (%)	99.51	99.51	99.54	99.55	(+0.01)
Per Capita Monthly Volume of Tap Water Supply (L)	19,502	19,928	19,112	18,777	-335
Sidewalk Area Improved (10,000 m ²)	7.24	7.84	5.27	1.77	-3.50
Length of Bicycle Lanes (km)	218.6	229.0	235.0	247.6	+12.6
Newly Connected Length of Household Sewers (km)	124.73	94.55	148.62	99.48	-49.14
Popularization of Planned Connected Households (%)	94.03	99.07	100.00	100.00	(0.00)

Sources: Public Works Department, Taipei City Government; Department of Economic Development, Taipei City Government; Department of Transportation, Taipei City Government; Taipei Water Department.

Note: ① The Parks & Green Fields Area refers to the developing of urban planning areas such as parks, green fields, sport spots for children, riverside parks, plazas and reservations, excluding reserve areas, scenic areas, and national park areas.

Family Living

The amount of per household disposable income in Taipei City in 2010 was NT\$1,298,640. If the number of households is divided into 5 groups according to the level of disposable income, the number in the highest group is 4.54 times the lowest. In terms of the structure of family spending, rent and water take up 28.62% of total spending, which are the highest, followed by food spending (including eating out), which is 20.47%. The average living space per capita is approximately 32.36 square meters. Homeownership among the citizens of Taipei City is 81.42%.

The consumer price index (CPI) in Taipei City in 2011 was 106.37 (base year: 2006 = 100), which was an increase of 1.43% when compared to the CPI of 104.87 for 2010. Among sub-indices, the sub-index on clothing increased by 4.02%, the sub-index on medicines and medical care increased by 2.48%, the sub-index on food increased by 2.33%, the sub-index on transportation and communication increased by 1.60%, the sub-index on housing expenditures increased by 0.88%, and the sub-index on education and entertainment increased by 0.50%, while the sub-index on miscellaneous expenditures decreased by 0.34%.

Table 14. Family Living for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
Per Household Disposable Income NT (\$)	1,271,060	1,246,310	1,298,640	...	--
Ratio of Disposable Income Share of Highest 20% to That of Lowest 20% (time)	4.78	4.50	4.54	...	--
Rent and Water Charges as % of Consumption Expenditures (%)	27.28	28.52	28.62	...	--
Food & Beverage % of Consumption Expenditures (Including Eating Outside) (%)	22.08	21.33	20.47	...	--
Newspapers, Magazines & Stationery of Consumption Expenditures (%)	0.55	0.88	0.82	...	--
Average Space per Person (m ²)	31.67	31.77	32.36	...	--
Homeownership Rate (%)	82.34	81.79	81.42	...	--
Diffusion Rate of Cable TV (%)	89.56	90.09	91.25	...	--
Diffusion Rate of Cell Phones (%)	93.95	94.24	94.71	...	--
Per Capita Daily Living Water Consumption (L)	331	332	331	329	-2
Per Capita Monthly Electricity Consumption (kWh)	238	232	236	234	-2
Consumer Price Index (2006 = 100)	105.38	104.35	104.87	106.37	--
Annual Growth Rate of Consumer Price Index (%)	3.40	-0.98	0.50	1.43	(+0.93)

Sources: Department of Budget, Accounting and Statistics, Taipei City Government; Taipei Water Department; Taiwan Power Company Ltd.

Note: ① The "..." in the table means data unavailable. The "--" in the table means figures provided are meaningless. "The 2011 Report on the Family Income and Expenditure Survey in Taipei City" is scheduled for publication in October 2012. The full version of the data will be published in "Taipei Yearbook 2012."

Digital City

In order to make municipal services more convenient for the citizens of Taipei City, the City is devoted to promoting application services such as mobile government, mobile transportation, mobile learning, mobile guides, and mobile recreation, etc., which are built upon the foundation of a wireless city, allowing the citizens to enjoy boundless municipal services. The average daily visits to the Taipei City website in 2011 were 49,989, which was a 19,852 increase compared to that of 2010. In addition, to encourage open information and information sharing, the city conducted information integration and established an open information platform for the Taipei City Government, encouraging citizens to utilize the value-added applications of the government's open information platform, making Taipei City a true "Smart City", providing convenient services and integrated information for its citizens.

Computers and the Internet have become essential day-to-day tools in the present era of globalization in which information technologies circulate rapidly. According to the "Survey Report for Individual/Household E-opportunity, 2011" by the Research, Development and Evaluation Commission, the Executive Yuan, the rate of individual net usage was 80.1% and the rate of household net usage was 89.1% in Taipei City, an increase of 2.5% and 3.0%, respectively, from 2010.

Table 15. Information Infrastructure for Taipei City

Item (Unit)	2008	2009	2010	2011	Comparison between 2011 and 2010
No. of Daily Visitors to the Taipei City Government's Website (person-time) ①	37,211	43,788	30,137	49,989	+19,852
No. of Daily Users for the Single-Window e-services System to the Taipei City Government's Website (person)	3,375	4,840	5,949	4,990	-959
Accumulated No. of application for Cyber Citizens (person) ②	358,207	21,040	59,180	360,012	+300,832
Overall No. of Citizens Attending Free 3-Hour Internet Training Program (person)	355,387	368,836	380,181	390,015	+9,834
No. of Wireless Internet Access Locations (site)	4,000	4,000	4,000	4,000	0
Rate of Individual Net Usage (%) ③	75.5	73.0	77.6	80.1	(+2.5)
Rate of Household Net Usage (%) ③	86.0	82.1	86.1	89.1	(+3.0)

Sources: Department of Information Technology, Taipei City Government; Research, Development and Evaluation Commission, Taipei City Government; Research, Development and Evaluation Commission, the Executive Yuan.

Note: ① The Taipei City's official website in Chinese and English versions has been transferred to the government's integrated website platform and online operation was formally launched from February 1, 2010. The flow of statistics method was adjusted prior to January 2010, the method referred to the number of people who have browsed the website homepage.

② The new version of the public service center was formally launched on June 15, 2009. Thus, the total number of Internet applications was recalculated.

③ Data were from the "Taiwan Digital Divide Report" by the Research, Development and Evaluation Commission, the Executive Yuan, renamed to "Survey Report for Individual/ Household E-opportunity" in 2011.

Table 16. Comparative Statistics among International Cities

Country		Republic of China	China			Korea	Japan
City		Taipei City	Beijing	Shanghai	Hong Kong	Seoul	Osaka
Item	Unit	2010		2010		2010	2010
Land Area	km ²	271.8	16,410.5	6,340.5	1,104.4	605.3	222.5
Population	10,000 persons	261.88	1,257.80	1,412.32	710.23	1,057.54	266.53
No. of Persons per Household	persons	2.66	2.54	2.72	3.04	2.50	2.02
Population Density	person/ km ²	9,635	766	2,227	6,431	17,473	11,981
Sex Ratio	male/100 female	93.09	101.25	99.27	87.76	98.09	94.33
Dependency Ratio	%	37.61	20.92	...	33.30	30.18	52.29
Aging Index	%	86.48	101.16	...	109.01	69.76	194.37
Social Increase Rate	%	3.14	8.71	8.71	3.10	-10.93	2.83
Crude Marriage Rate	%	6.63	11.03	9.26	7.44	6.70	7.04
Crude Divorce Rate	%	2.33	3.51	3.32	2.57	2.07	2.71
General Birth Rate	%	26.70	...	...	42.13	32.70	37.35
Total Fertility Rate	%	895	...	...	1,108	1,015	...
Labor Participation Rate	%	56.3	...	...	58.4	61.8	...
Unemployment Rate	%	5.2	1.4	4.2	4.4	4.7	...
Literacy Rate of Population Aged 15 or Over	%	99.16	...	...	...	...	...
Enrollment Rate of Children at School Age	%	100.00	99.96	...	...	98.22	100.00
Primary School Students per Teacher	person	13.27	13.20	15.52	15.12	19.30	16.80
Primary School Students per Class	person	25.35	...	...	...	27.82	26.39
Junior High School Students per Teacher	person	13.42	10.24	12.51	7.45	18.55	13.20
Junior High School Students per Class	person	32.53	...	...	...	33.86	31.02
Social Welfare Expenditures per Citizen	US\$	423.19	560.07	563.00	687.90	545.21	2,407.70
Education, Science & Culture Expenditures per Citizen	US\$	723.76	857.54	449.51	932.95	276.24	405.73
Per Capita Parks & Green Fields Area	m ²	52.67	15.00	11.37	...	16.06	3.52
Tap Water Diffusion Rate	%	99.69	...	99.99	99.90	100.00	100.00
Road Area per Automobile	m ²	28.84	20.74	150.41	...	27.66	48.19
No. of Automobiles per 1,000 Persons	vehicle/1,000 persons	277	360	121	80	282	315
No. of Motorcycles per 1,000 Persons	vehicle/1,000 persons	418	...	91	5	39	19
No. of Criminal Cases per 100,000 Persons	case/100,000 persons	1,899.89	833.42	850.98	1,074.79	3,309.86	2,478.04
No. of Burglary Cases per 100,000 Persons	case/100,000 persons	545.64	...	556.85	485.90	469.42	1,935.40
No. of Police Officers per 10,000 Persons	officer/10,000 persons	29.80	...	...	45.68	23.18	24.41
No. of Traffic Accidents per 10,000 Vehicles (Casualties caused by traffic accidents) (1)	case/10,000 vehicles	104.48	9.43	7.56	250.72	123.14	179.27
No. of Fire Accidents per 1,000 Households	case/ 1,000 households	0.24	1.08	1.11	17.48	1.28	0.89
No. of Firefighters per 10,000 Persons	fireman/10,000 persons	11.31	1.80	...	13.55	9.92	13.07
No. of Sickbeds per 10,000 Persons	sickbed/ 10,000 persons	92.49	73.84	74.40	44.46	71.74	...
No. of Medical Personnel per 10,000 Persons	medical personnel/ 10,000 persons	132.06	105.95	75.87	114.24	73.63	...
Infant Mortality Rate	person/1,000 live births	3.80	3.29	5.97	1.60	2.85	2.56
Annual Average Suspended Particulate in the Air	Mg/m ³	49.9	121.00	79.00	53.00	49.00	25.00
Daily Waste Collected per Capita per Day	kg	0.41	1.39	1.73	2.33	...	1.22
Daily Waste Recycled per Capita per Day	kg	0.47	...	...	...	...	0.04
Average Annual Growth Rate of CPI over the Last 3 Years	%	0.97	2.00	2.17	2.46	3.40	-0.70
Engel's Coefficient	%	20.47	31.81	33.52	27.71	...	31.53
Disposable Income per Capita	US \$	13,346	3,886	4,510	...	...	...
Per Capita Living Area	m ²	32.36	24.07	22.33	...	...	...
Female Ratio of Civil Servants	%	55.71	...	...	34.91	34.95	24.85
No. of Citizens per Civil Servants	person	37.80	...	...	45.27	261.80	69.25

Source: The Department of Budget, Accounting & Statistics designs questionnaires every July, which are sent to and filled out by other international cities through the Ministry of Foreign Affairs, R.O.C. and Mainland Affairs Council (MAC), the Executive Yuan.

Note: The "..." in the table indicates data are unknown or unavailable. For detailed information on other international cities, please visit the Website of the Department of Budget, Accounting & Statistics at <http://www.dbas.taipei.gov.tw> to browse the "International City Index".

(1) This refers to victims whose injuries were caused by automobiles or motor vehicles moving on roads.

Table 16. Comparative Statistics among International Cities (Continued)

Country		U.S.A.	Brazil	England	Germany	Austria	South Africa
City		Los Angeles	Sao Paulo	London	Frankfurt	Vienna	Cape Town
Item	Unit	2010	2010	2010	2010	2010	2010
Land Area	km ²	1,213.9	1,509.0	1,573.5	248.3	414.9	2,461.0
Population	10,000 persons	379.26	1,125.35	782.52	68.82	171.41	377.00
No. of Persons per Household	persons	...	3.15	...	1.86	2.03	3.55
Population Density	person/ km ²	3,124	7,458	4,973	2,772	4,132	1,532
Sex Ratio	male/100 female	99.24	89.94	99.08	96.80	92.05	94.06
Dependency Ratio	%	41.74	40.67	42.98	41.90	45.15	51.81
Aging Index	%	55.09	39.15	62.23	126.41	118.29	17.89
Social Increase Rate	‰	...	...	...	10.26	8.18	...
Crude Marriage Rate	‰	...	...	...	3.92	4.78	...
Crude Divorce Rate	‰	...	...	...	2.99	2.69	...
General Birth Rate	‰	...	...	72.10	48.50	41.06	...
Total Fertility Rate	‰	...	...	2,000	1,330	1,420	...
Labor Participation Rate	%	...	64.1	65.7	80.5	73.3	67.5
Unemployment Rate	%	11.9	11.5	8.7	5.7	7.4	25.8
Literacy Rate of Population Aged 15 or Over	%	...	...	99.00	...	100.00	...
Enrollment Rate of Children at School Age	%	...	...	105.27	91.01	98.53	...
Primary School Students per Teacher	person	...	...	20.67	...	11.01	...
Primary School Students per Class	person	...	15.57	28.85	...	21.96	...
Junior High School Students per Teacher	person	...	...	15.70	...	8.02	...
Junior High School Students per Class	person	...	28.07	21.78	...	22.09	...
Social Welfare Expenditures per Citizen	US\$	...	559.35	...	1,741.33	2,557.90	...
Education, Science & Culture Expenditures per Citizen	US\$	...	357.85	2,927.71	1,618.52	1,604.37	...
Per Capita Parks & Green Fields Area	m ²	...	...	...	23.87	110.33	...
Tap Water Diffusion Rate	%	...	100.00	100.00	99.90	100.00	...
Road Area per Automobile	m ²	...	...	...	148.53	89.12	...
No. of Automobiles per 1,000 Persons	vehicle/1,000 persons	...	453	327	502	390	...
No. of Motorcycles per 1,000 Persons	vehicle/1,000 persons	...	78	16	27	46	...
No. of Criminal Cases per 100,000 Persons	case/100,000 persons	...	...	10,548.99	15,698.05	12,163.27	8,034.47
No. of Burglary Cases per 100,000 Persons	case/100,000 persons	...	...	4,090.07	5,577.58	9,174.55	2,886.95
No. of Police Officers per 10,000 Persons	officers/ 10,000 persons	26.38	...	67.89	...	41.30	1.58
No. of Traffic Accidents per 10,000 Vehicles (Casualties caused by traffic accidents) (1)	case/10,000 vehicles	...	2.31	107.50	117.39	59.69	...
No. of Fire Accidents per 1,000 Households	case/ 1,000 households	...	...	...	4.39	11.33	2.34
No. of Firefighters per 10,000 Persons	fireman/10,000 persons	...	...	7.67	...	9.40	2.38
No. of Sickbeds per 10,000 Persons	sickbed/10,000 persons	...	30.85	...	90.13	82.08	...
No. of Medical Personnel per 10,000 Persons	medical personnel/ 10,000 persons	...	43.00	...	98.46	35.26	...
Infant Mortality Rate	person/1,000 live births	...	11.48	4.70	0.40	5.80	...
Annual Average Suspended Particulate in the Air	Mg/m ³	...	...	...	29.00	...	...
Daily Waste Collected per Capita per Day	kg	...	...	...	0.71	1.70	1.36
Daily Waste Recycled per Capita per Day	kg	...	...	...	...	...	0.19
Average Annual Growth Rate of CPI over the Last 3 Years	%	...	5.70	2.74	1.38	1.85	...
Engel's Coefficient	%	...	...	...	...	12.34	...
Disposable Income per Capita	US \$	...	...	...	...	...	...
Per Capita Living Area	m ²	...	...	...	36.92	37.50	...
Female Ratio of Civil Servants	%	...	71.90	...	50.39	52.40	30.80
No. of Citizens per Civil Servants	person	...	79.23	...	75.58	58.39	143.93

Note: For detailed information on other international cities, please visit the Website of the Department of Budget, Accounting & Statistics at <http://www.dbas.taipei.gov.tw> to browse the "International City Index".