



Yearbook of Statistics Singapore 2017

YEARBOOK OF STATISTICS SINGAPORE, 2017

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PREFACE

The “Yearbook of Statistics Singapore 2017” is the fiftieth edition of an annual flagship publication by the Singapore Department of Statistics (DOS). It provides a comprehensive and current statistical record of the key socio-demographic and economic characteristics of Singapore. Through this publication, users are able to gain a snapshot of the Singapore economy and population based on the latest available information.

Improvements are continually made to the Yearbook to enhance its value to users. New data series on topics of interest are added as and when appropriate. The Yearbook currently contains 272 tables organised into 27 chapters.

In addition to the Yearbook, the Department disseminates official statistics on Singapore through a range of electronic and mobile services. These include the Statistics Singapore website, SingStat mobile application and SingStat Express. Users may download softcopies of statistical publications via the SingStat website for free. For users with specific data requirements, the Department’s Statistical Information Services offer personalised assistance on a cost-recovery basis.

The data series in the Yearbook are compiled by DOS as well as other government ministries and departments, statutory boards and private organisations. I would like to extend my deep appreciation to all the organisations that have contributed to the success of this publication. I look forward to your continued readership and support.

Wong Wee Kim
Chief Statistician
Singapore

Aug 2017

Our Vision

A National Statistical System of Quality, Integrity and Expertise.

Our Mission

**We Provide Reliable, Relevant and Timely Statistics
to Support Singapore's Social and Economic Development.**

Our Guiding Principles

Professionalism & Expertise	<i>We adhere to professional ethics and proficiently produce quality statistics that comply with international concepts and best practices.</i>
Relevance	<i>We constantly innovate our processes and produce statistics that meet users' needs.</i>
Accessibility	<i>We make our statistics readily available.</i>
Confidentiality	<i>We protect the confidentiality of information provided to us.</i>
Timeliness & Reliability	<i>We produce statistics that users can depend on and disseminate them at the earliest possible date while maintaining data quality.</i>
Cost Effectiveness	<i>We use resources effectively, minimising respondent burden and leveraging on administrative data.</i>

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NOTATIONS

na	not available
nec	not elsewhere classified
no	number
-	nil or negligible
..	not significant

NOTES

The Yearbook of Statistics contains statistics that are the most recent available at the time of its preparation.

Numbers may not add up to the totals due to rounding.

Some statistics, particularly those for the most recent time periods, are provisional and may be subject to revision in later issues.

Values are shown in Singapore dollars (unless otherwise stated).

Notes on Changes & Revisions

To maintain currency and relevance of the Yearbook of Statistics Singapore, new series are added and existing series are replaced. In this edition, changes have been incorporated in the following tables:



Addition of New Tables

Table 2.10	Life Expectancy of Singapore Residents at Birth and At Age 65 Years By Sex
Table 4.9	Government Employees in the Statutory Boards by Sex
Table 13.14	Residential Dwellings
Table 15.12	Exports of Services by Services Category
Table 15.13	Imports of Services by Services Category
Table 16.2	Vessel Arrivals by Type
Table 16.3	Vessel Arrivals by Purpose
Table 22.13	Enrolment and Graduates of Arts Institutions by Course and Level, 2016
Table 22.18	Singapore Residents Aged 25 Years and Over by Highest Qualification Attained and Sex
Table 22.19	Mean Years of Schooling
Table 22.20	Literacy Rate
Table 23.2	Beds in Inpatient Facilities
Table 26.8	Registered Arts Societies and Companies



Addition of New Series

Table 2.2	Vital Rates
Table 4.10	Central Provident Fund Members by Age Group
Table 16.5	Air Cargo Discharged by Region/Country of Origin
Table 16.6	Air Cargo Loaded by Region/Country of Destination
Table 10.3	Formation of All Business Entities by Industry
Table 10.4	Cessation of All Business Entities by Industry
Table 10.5	Formation of Companies by Industry
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Table 21.1	Consumer Price Index
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Table 21.6	Singapore Manufactured Products Price Index
Table 21.7	Import Price Index
Table 21.8	Export Price Index
Table 22.1	Enrolment in Educational Institutions
Table 22.2	Students and Teachers in Educational Institutions, 2016

Notes on Changes & Revisions (cont'd)



Addition of New Series (cont'd)

Table 25.2	Volunteers
Table 25.3	Number, Capacity and Enrolment in Child Care Centres
Table 25.8	Family Service Centres
Table 26.2	National Library Board Library Membership, Collections and Loans
Table 26.3	Visitors to Places of Interest
Table 27.1	Water Sales and Water Prices
Table 27.2	Electricity Generation, Consumption and Tariffs
Table 27.3	Gas Sales and Tariffs



Replacement of Existing Series

Table 4.8	Government Employees in the Civil Service by Sex
Table 4.12	Active Central Provident Fund Members by Industry
Table 4.13	Employment Services
Table 4.14	Changes in Value Added Per Worker by Industry
Table 7.5	Investment Commitments in Manufacturing and Services by Industry
Table 19.17	Withdrawals of Central Provident Fund by Type
Table 23.1	Health Facilities
Table 23.3	Hospital Admissions and Public Sector Outpatient Attendances
Table 23.4	Hospital Admission Rate and Age



Other Changes

Selected data series have been discontinued in the following tables:

Table 13.1	Available and Vacant Private Residential Properties
Table 21.3	Price Indices of Selected Consumer Items
Table 21.4	Average Retail Prices of Selected Consumer Items
Table 23.6	Visits to Public Sector Dental Clinics

Economy

GDP 2016
At Current Market Prices

S\$ 410,272 Mil

Per Capita GDP
\$73,167

Find out more at <http://www.singstat.gov.sg/statistics/visualising-data/infographics/economy>

Population



**Population
Density**

7,797
persons¹/sq km

Total Population¹
5.61 Mil
at end-June 2016

¹Refers to total population comprising residents and non-residents.

Find out more at <http://www.singstat.gov.sg/statistics/visualising-data/infographics/population>

1



Climate and Air Quality

1

Climate and Air Quality



Geography



The Republic of Singapore is located between latitudes 1° 09'N and 1° 29' N and longitudes 103° 36' E and 104° 25' E.

The land area of Singapore is approximately 719.2 square kilometres as at end June 2016. This area comprises the mainland and other islands. The mainland measures 49 kilometres from east to west and 25 kilometres from north to south with a coastline of 197 kilometres. The figures are based on 2.515m High Water Mark cadastral survey boundaries.



Singapore can be geographically divided into three major areas – the central hilly area with heavy deposits of granite in Bukit Timah, Bukit Panjang, Bukit Mandai and Bukit Batok; the western undulating area comprising Mount Faber Ridge and Pasir Panjang Ridge; and the eastern coastal area consisting of alluvium and sediment stretches from Katong to Bedok and Changi.

Climate



Singapore is situated near the equator and has a tropical climate, with abundant rainfall, high and uniform temperatures, and high humidity all year round. The average daily maximum and minimum temperatures are around 31°C and 24°C respectively.



The relative humidity is usually around 60 per cent on dry afternoons but frequently exceeds 90 per cent in the early hours of the morning before sunrise. Although rain falls throughout the year, the wettest months are usually during the first part of the Northeast Monsoon season from November to January.

The drier months are normally between April and September; however widespread heavy rain and gusty winds associated with Sumatra squalls typically occur during this time of the year.

Air Pollution



The ambient air quality in Singapore is monitored by the National Environment Agency (NEA) through the Telemetric Air Quality Monitoring and Management System. The system comprises remote air monitoring stations linked to a Data Management System via dial-up telephone lines or wireless modems.

Automatic analysers and equipment are deployed at the stations to measure the concentrations of major air pollutants such as Sulphur Dioxide (SO₂), Oxides of Nitrogen (NO_x), Carbon Monoxide (CO), Ozone (O₃) and Particulate Matter (PM₁₀ and PM_{2.5}).

NEA also reports the Pollutant Standards Index (PSI) which is computed from the concentration of Sulphur Dioxide (SO₂), Particulate Matter (PM₁₀ and PM_{2.5}), Nitrogen Dioxide (NO₂), Carbon Monoxide (CO) and Ozone (O₃). Based on the PSI, the air quality is described as 'Good', 'Moderate', 'Unhealthy', 'Very unhealthy' or 'Hazardous'.

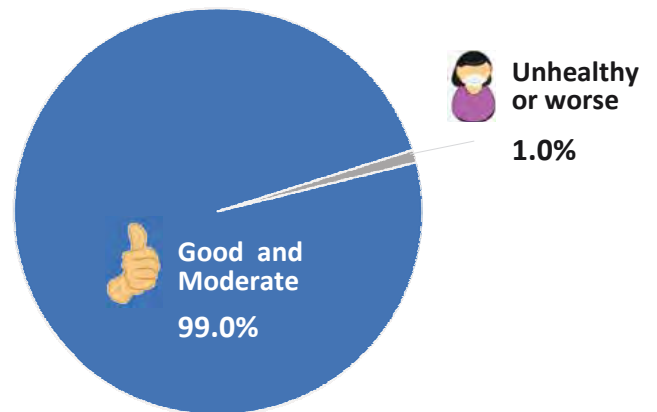
Climate and Air Quality ■



Air quality in 2016 was significantly better than in 2015, the year in which Singapore was affected by severe transboundary smoke haze. In 2016, the air quality was 'Good' and 'Moderate' 99.0 per cent of the time, and 'Unhealthy' or worse 1.0 per cent of the time. The latter was caused by a period of slight transboundary smoke haze in August.

An annual summary of Singapore's air quality is available in the "[Environmental Protection Division Annual Report](#)", published by the NEA.

Air Quality in 2016



1.1 AIR TEMPERATURE AND SUNSHINE

	2010	2011	2012	2013	2014	2015	2016
Air Temperature in Degree Celsius							
Means							
Daily Maximum	31.9	31.2	31.2	31.3	31.6	31.9	32.0
Daily Minimum	24.9	24.7	25.0	25.0	25.3	25.8	25.8
Absolute Extremes							
Maximum	35.5	35.3	33.7	35.2	34.5	34.4	35.0
Minimum	21.7	21.4	21.1	20.9	21.1	21.9	21.6
Bright Sunshine							
Daily Mean Hours	5.7	5.6	5.5	5.4	6.0	6.2	6.0

Source : National Environment Agency

Notes : Data are from designated climate station located at Changi, Singapore.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2854>

1.2 RELATIVE HUMIDITY AND RAINFALL

	Unit	2010	2011	2012	2013	2014	2015	2016
Minimum Relative Humidity	Per Cent	43	41	48	36	37	35	33
24 Hours Mean Relative Humidity	Per Cent	82.9	84.6	83.5	81.7	78.5	76.9	76.0
Rainfall								
Total	mm	2,075.1	2,524.2	2,159.9	2,748.4	1,538.4	1,266.8	1,955.7
Maximum in a Day	mm	121.1	216.2	92.3	139.8	64.4	63.2	75.4
Rainy Days	No.	178	188	191	206	152	125	179

Source : National Environment Agency

Notes : Data are from designated climate station located at Changi, Singapore.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2854>

1.3 AIR POLLUTION LEVELS

	Unit	2010	2011	2012	2013	2014	2015	2016
Sulphur Dioxide								
Annual mean	$\mu\text{g}/\text{m}^3$	11	10	13	14	12	12	13
Maximum 24-hour mean	$\mu\text{g}/\text{m}^3$	104	80	98	75	83	75	61
Nitrogen Dioxide								
Annual mean	$\mu\text{g}/\text{m}^3$	23	25	25	25	24	22	26
Maximum 1-hour mean	$\mu\text{g}/\text{m}^3$	153	189	154	132	121	99	123
Particulate Matter (PM₁₀)								
Annual mean	$\mu\text{g}/\text{m}^3$	26	27	29	31	30	37	26
99th percentile 24-hour mean	$\mu\text{g}/\text{m}^3$	76	55	57	215	75	186	61
Particulate Matter (PM_{2.5})								
Annual mean	$\mu\text{g}/\text{m}^3$	17	17	19	20	18	24	15
99th percentile 24-hour mean	$\mu\text{g}/\text{m}^3$	56	41	42	176	51	145	40
Carbon Monoxide								
Maximum 8-hour mean	mg/m^3	2.4	2.0	1.9	5.5	1.8	3.3	2.2
Maximum 1-hour mean	mg/m^3	2.8	2.6	2.4	7.5	2.7	3.5	2.7
Ozone								
Maximum 8-hour mean	$\mu\text{g}/\text{m}^3$	139	123	122	139	135	152	115

Source : National Environment Agency

Notes : Singapore's Air Quality Targets by 2020

Singapore Sustainable Blueprint Target: Sulphur Dioxide $\leq 15 \mu\text{g}/\text{m}^3$ (annual mean)

World Health Organisation (WHO) Interim Target-2: Sulphur Dioxide $\leq 50 \mu\text{g}/\text{m}^3$ (24-hour mean)

WHO Air Quality Guideline: Nitrogen Dioxide $\leq 40 \mu\text{g}/\text{m}^3$ (annual mean)

$\leq 200 \mu\text{g}/\text{m}^3$ (1-hour mean)

WHO Air Quality Guideline: PM₁₀ (Particulate Matter ≤ 10 microns) $\leq 20 \mu\text{g}/\text{m}^3$ (annual mean)

$\leq 50 \mu\text{g}/\text{m}^3$ (99th Percentile 24-hour mean)

Singapore Sustainable Blueprint Target: PM_{2.5} (Particulate Matter ≤ 2.5 microns) $\leq 12 \mu\text{g}/\text{m}^3$ (annual mean)

WHO Interim Target-3: PM_{2.5} (Particulate Matter ≤ 2.5 microns) $\leq 37.5 \mu\text{g}/\text{m}^3$ (99th Percentile 24-hour mean)

WHO Air Quality Guideline: Carbon Monoxide $\leq 10 \text{mg}/\text{m}^3$ (8-hour mean)

$\leq 30 \text{mg}/\text{m}^3$ (1-hour mean)

WHO Air Quality Guideline: Ozone $\leq 100 \mu\text{g}/\text{m}^3$ (Maximum 8-hour mean)

PM₁₀, PM_{2.5} and Carbon Monoxide levels in 2013 and 2015 were severely affected by transboundary smoke haze from overseas land and forest fires.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1730>

2



Population

2

Population



Population Census



Singapore's first census was undertaken in April 1871. Regular censuses were undertaken at ten-year intervals up to 1931. The Second World War delayed the next census until 1947. In the pre-war censuses, Singapore was included as part of the Straits Settlements and later as part of Malaya. Separate censuses for Singapore were carried out since 1947. The first post-independence census was conducted in 1970. Subsequently, censuses were undertaken at ten-year intervals in 1980, 1990, 2000 and 2010.

In the 1990 and earlier censuses, the population comprised Singapore citizens and permanent residents who were present and enumerated in Singapore on Census Day. Singapore citizens and permanent residents who were away for short periods of time during the census, as well as non-residents staying or working in Singapore were also included.

From the 2000 census onwards, the de jure concept for Singapore's population estimates based on a person's place of usual residence was adopted. Under this concept, Singapore residents (comprising Singapore citizens and permanent residents) with local addresses were included in the total population count. The non-resident population, comprising foreigners who were working, studying or living in Singapore but not granted permanent residence, was also included in the total population count. The transient population such as tourists and short-term visitors was excluded. For the 2010 census, Singapore residents who were away from Singapore for a continuous period of 12 months or longer were also excluded.

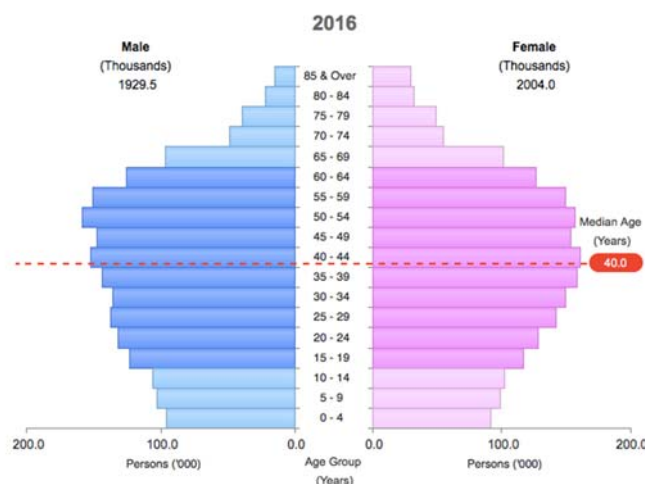
Singapore conducted the first mid-decade mini-census (General Household Survey) in 1995. Subsequent General Household Surveys were conducted in 2005 and 2015.

Register-based Population Estimates



Singapore's mid-year population estimates have been compiled using the register-based approach since 2000, where the basic count and profile of the population are based on a person's place of usual residence i.e. de jure concept. The total population comprises Singapore residents (i.e. Singapore citizens and permanent residents) and non-residents. From 2003 onwards, Singapore residents who were away for a continuous period of 12 months or longer were excluded.

Age Pyramid of Resident Population, end-June 2016



Births and Deaths



The Registration of Births and Deaths Act (Cap 267) specifies that a birth must be registered within 42 days of the date of birth. Births registered after 42 days from occurrence are classified as late registrations. A birth registration after one year from the date of birth can only be effected with the written authority of the Registrar-General of Births and Deaths. Under the same Act, a death must be registered within three days of its occurrence. Still-births, which are



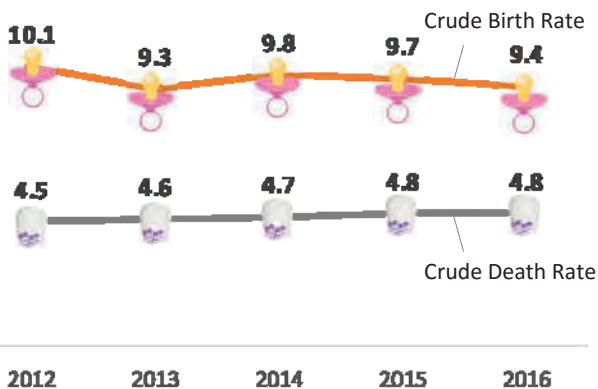
classified separately from births and deaths, must be registered within 14 days of their occurrence.

Registration facilities for births and deaths are available at the Registry of Births and Deaths (RBD) and at designated government hospitals. Deaths and still-births can also be registered at the nearest Police Divisional Headquarter, Neighbourhood Police Centre or Neighbourhood Police Post. The registration system is comprehensive and the records of birth and death statistics are virtually complete.

Measures of natality and mortality include the crude birth and crude death rates. From 1980 onwards, these are respectively defined as the number of live-births and deaths of Singapore residents, per thousand mid-year resident population.

Crude Birth Rate and Crude Death Rate

(per 1,000 residents)



Marriages



Registration of marriages is compulsory in Singapore. Civil marriages are marriages registered under the Women's Charter, 1961. Notices of such marriages have to be lodged with the Registrar of Marriages regardless of the venue of solemnisation.

Registration of Muslim marriages in Singapore became compulsory from 1 July 1909 when the Mohammadan Marriage Ordinance, 1908 (Ordinance No.XXV of 1908) was enacted. This Ordinance was subsequently repealed and

replaced by the Administration of Muslim Law Act, 1966.

Total Marriages, 2016



Divorces and Annulments

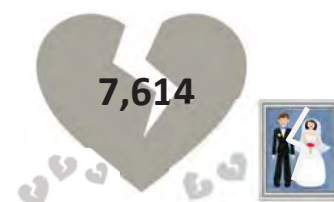


Statistics on divorces and annulments under the Women's Charter are obtained from records maintained by the Family Justice Courts.

For divorces under the Administration of Muslim Law Act, statistics are obtained from the register of divorces kept by the Syariah Court. The records on revocation of divorces are obtained from the Registry of Muslim Marriages.

Time-dependent variables, such as the duration of marriage and age of divorcees, are based on the date when Interim Judgment was made final for civil divorces, and the date of registration for Muslim divorces.

Total Divorces and Annulments Registered, 2016



Definitions



Age-specific fertility rate: Refers to the number of live-births to females in a particular age group, per thousand females in that age group during the period.

Total fertility rate (TFR): Refers to the average number of live-births each female would have during her reproductive years if she were to experience the age-specific fertility rates prevailing during the period. It is derived by aggregating the age-specific fertility rates of



females in each of the reproductive ages for a specific year.

Gross reproduction rate: Refers to the average number of daughters each female would have during her reproductive years if she were to experience the age-specific fertility rates prevailing during the period.

Net reproduction rate: Refers to the average number of daughters each female would have during her reproductive years if she were to experience the age-specific fertility and mortality rates prevailing during the period. It is a refinement of the gross reproduction rate, and is also the measure of replacement of population.

Life expectancy: Refers to the average number of additional years which a person at a specific age (such as at birth or at age 65 years) might expect to live, if he or she were to experience the age-specific mortality rates of the reference period throughout his or her lifetime.

Age-specific marriage rate: Refers to the number of marriages registered within a specific age group during the year, out of every thousand unmarried population in the same age group.

Age-specific divorce rate: Refers to the number of divorces and annulments granted within a specific age group during the year, out of every thousand married population in the same age group.

General marriage rate: Refers to the number of marriages registered among persons aged 15-49 years during the year, out of every thousand unmarried population in the same age group.

General divorce rate: Refers to the number of divorces and annulments granted to married persons aged 20 years and over during the year, out of every thousand married population in the same age group.

Other References



Statistics on births and deaths are compiled and published quarterly in the

“Singapore Demographic Bulletin” produced by RBD. RBD also publishes the annual “Report on Registration of Births and Deaths”, which provides the demographic and socio-economic characteristics of parents and characteristics of births, detailed causes of death, together with statistical tables and charts.

Complete life tables and key trends in life expectancies for the Singapore resident population are available in the annual statistical report “Complete Life Tables for Singapore Resident Population” published by the Singapore Department of Statistics (DOS).

Annual data on marriages and divorces are available in the report “Statistics on Marriages and Divorces” published by DOS. This publication analyses annual marriage trends and the socio-economic characteristics of grooms and brides, as well as provides insights into the nature of divorces and the socio-economic characteristics of divorcees.

Demographic statistics are available in the annual report “Population Trends” published by DOS. The publication comprises five sections, namely, ‘Population’, ‘Households and Housing’, ‘Family Formation and Dissolution’, ‘Fertility’ and ‘Mortality’. Statistical analyses of Singapore’s changing population profiles can also be found in the publication.

Key Indicators in 2016



Total Fertility Rate was **1.20** per female



Infant Mortality Rate was **2.4** per 1,000 live-births

Life Expectancy at Birth was ...

80.6 years for male residents

85.1 years for female residents



82.9 years for total residents

2.1 SINGAPORE POPULATION SIZE AND GROWTH BY RESIDENTIAL STATUS

Year	Total Population ¹	Singapore Residents			Non-Residents
		Total	Singapore Citizens	Singapore Permanent Residents	
	Number as at end-June				
1990 (Census)	3,047,132	2,735,868	2,623,736	112,132	311,264
2000 (Census)	4,027,887	3,273,363	2,985,886	287,477	754,524
2010 (Census)	5,076,732	3,771,721	3,230,719	541,002	1,305,011
2011	5,183,688	3,789,251	3,257,228	532,023	1,394,437
2012	5,312,437	3,818,205	3,285,140	533,065	1,494,232
2013	5,399,162	3,844,751	3,313,507	531,244	1,554,411
2014	5,469,724	3,870,739	3,343,030	527,709	1,598,985
2015	5,535,002	3,902,690	3,375,023	527,667	1,632,312
2016	5,607,283	3,933,559	3,408,943	524,616	1,673,724
Average Annual Growth ² (Per Cent)					
1990 (Census)	2.3 ³	1.7 ³	1.7 ³	2.3 ³	9.0
2000 (Census)	2.8	1.8	1.3	9.9	9.3
2010 (Census)	1.8	1.0	0.9	1.5	4.1
2011	2.1	0.5	0.8	-1.7	6.9
2012	2.5	0.8	0.9	0.2	7.2
2013	1.6	0.7	0.9	-0.3	4.0
2014	1.3	0.7	0.9	-0.7	2.9
2015	1.2	0.8	1.0	-	2.1
2016	1.3	0.8	1.0	-0.6	2.5

Notes : Data from 1990 onwards are based on de jure concept. Data from 2000 onwards are based on the register-based approach. Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer as at the reference period.

- 1 Total population comprises Singapore residents and non-residents. Resident population comprises Singapore citizens and permanent residents. Non-resident population comprises foreigners who were working, studying or living in Singapore but not granted permanent residence, excluding tourists and short-term visitors.
- 2 For 1990 and 2000, growth rate refers to the annualised change over the last ten years. From 2010 onwards, growth rate refers to the change over the previous year.
- 3 The growth rate is computed using population estimates based on de facto concept (i.e. the person is present in the country when enumerated at the reference period).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1347>

2.2 VITAL RATES

Year	Rate of Natural Increase	Crude Birth Rate	Crude Death Rate	Age-Standardised Death Rate ¹	Infant Mortality Rate	Total Fertility Rate	Gross Re-production Rate	Net Re-production Rate
	Per 1,000 Population				Per 1,000 Live-births	Per Female		
1960	31.3	37.5	6.2	10.8	34.9	5.76	2.78	2.54
1965	24.1	29.5	5.4	10.4	26.3	4.66	2.27	2.08
1970	17.0	22.1	5.2	9.1	20.5	3.07	1.49	1.42
1975	12.6	17.7	5.1	8.4	13.9	2.07	1.00	0.97
1980	12.7	17.6	4.9	7.5	8.0	1.82	0.88	0.86
1985	11.7	16.6	4.9	6.7	7.6	1.61	0.78	0.76
1990	13.5	18.2	4.7	5.9	6.6	1.83	0.88	0.87
1995	10.8	15.6	4.8	5.5	3.8	1.67	0.80	0.80
2000	9.2	13.7	4.5	4.8	2.5	1.60	0.77	0.76
2005	5.8	10.2	4.4	4.1	2.1	1.26	0.61	0.61
2006	5.9	10.3	4.4	4.0	2.6	1.28	0.62	0.61
2007	5.9	10.3	4.5	3.9	2.1	1.29	0.62	0.62
2008	5.8	10.2	4.4	3.8	2.1	1.28	0.62	0.62
2009	5.6	9.9	4.3	3.6	2.2	1.22	0.59	0.59
2010	4.9	9.3	4.4	3.5	2.0	1.15	0.56	0.55
2011	5.1	9.5	4.5	3.4	2.0	1.20	0.58	0.58
2012	5.6	10.1	4.5	3.3	1.8	1.29	0.62	0.62
2013	4.6	9.3	4.6	3.3	2.0	1.19	0.57	0.57
2014	5.1	9.8	4.7	3.2	1.8	1.25	0.61	0.60
2015	4.9	9.7	4.8	3.1	1.7	1.24	0.60	0.60
2016	4.6	9.4	4.8	3.0	2.4	1.20	0.58	0.58

Notes : Figures prior to 1980 pertain to total population which comprises the resident and non-resident population.
From 1980, figures pertain to Singapore resident population (i.e. Singapore citizens and permanent residents).

- 1 The Singapore resident population as at end-June 2003 is used as the standard population which is chosen to fix the age structure to eliminate its effect on mortality trends.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1347>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3624>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3733>

2.3 SINGAPORE RESIDENTS BY AGE GROUP AND SEX, END-JUNE

Age Group (Years)							Number
	2010	2011	2012	2013	2014	2015	2016
Males							
Total	1,861,133	1,868,170	1,880,046	1,891,504	1,902,410	1,916,628	1,929,526
0 - 4	98,890	95,885	94,924	93,520	92,528	93,852	95,678
5 - 9	110,215	106,047	105,033	104,586	104,588	103,861	102,426
10 - 14	125,271	123,438	119,697	116,000	112,959	109,401	105,589
15 - 19	134,003	132,579	132,106	129,989	126,514	124,287	122,911
20 - 24	123,942	128,245	132,675	134,034	132,902	133,493	132,046
25 - 29	131,299	127,132	123,056	124,013	129,304	132,504	137,243
30 - 34	143,048	141,947	140,686	141,262	138,954	137,847	135,596
35 - 39	156,318	154,097	152,252	147,408	144,959	143,795	143,553
40 - 44	152,995	150,678	151,213	152,691	154,320	154,460	152,466
45 - 49	163,237	163,002	161,122	158,312	153,194	149,607	147,517
50 - 54	152,721	155,424	156,561	157,789	158,734	158,465	158,202
55 - 59	124,822	130,717	136,379	140,813	144,316	147,860	150,315
60 - 64	94,796	102,799	105,781	110,241	115,217	119,660	125,130
65 - 69	53,321	54,115	62,372	70,525	78,285	88,697	96,349
70 - 74	42,887	46,135	47,890	48,663	49,438	47,779	48,691
75 - 79	28,214	29,123	29,715	31,164	33,753	36,126	38,976
80 - 84	15,532	16,558	17,496	18,572	19,515	20,932	21,884
85 & Over	9,622	10,249	11,088	11,922	12,930	14,002	14,954
Females							
Total	1,910,588	1,921,081	1,938,159	1,953,247	1,968,329	1,986,062	2,004,033
0 - 4	95,542	92,364	91,749	89,775	88,841	89,723	91,482
5 - 9	105,460	102,072	101,291	101,118	101,202	100,591	99,083
10 - 14	119,031	117,098	113,623	110,244	107,837	104,987	101,906
15 - 19	129,747	128,159	126,755	125,077	120,823	118,615	116,860
20 - 24	123,248	126,824	131,831	132,855	131,016	130,634	128,808
25 - 29	141,340	135,474	131,526	131,602	136,355	138,526	142,745
30 - 34	155,639	155,608	154,710	155,608	153,333	152,772	149,948
35 - 39	163,706	162,064	161,718	158,095	157,070	157,272	158,445
40 - 44	156,446	155,936	157,610	159,890	161,703	162,295	160,979
45 - 49	160,222	160,989	159,803	158,024	155,339	153,806	153,666
50 - 54	150,323	152,706	153,815	155,199	156,769	156,626	157,396
55 - 59	123,874	129,961	135,438	140,256	144,076	147,203	149,276
60 - 64	97,199	105,361	108,215	111,913	116,285	120,833	126,723
65 - 69	58,190	58,281	66,507	75,292	82,913	93,728	101,671
70 - 74	49,731	53,938	56,524	57,083	57,377	54,852	55,105
75 - 79	36,964	37,786	37,960	39,455	42,541	45,085	48,979
80 - 84	24,307	25,587	26,619	27,627	28,903	30,853	31,672
85 & Over	19,619	20,873	22,465	24,134	25,946	27,661	29,289

Notes : Singapore resident population comprises Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=315>

2.4 SINGAPORE RESIDENTS BY AGE GROUP, ETHNIC GROUP AND SEX, END-JUNE 2016

		Number							
Ethnic Group / Sex	Total	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39
Total	3,933,559	187,160	201,509	207,495	239,771	260,854	279,988	285,544	301,998
Males	1,929,526	95,678	102,426	105,589	122,911	132,046	137,243	135,596	143,553
Females	2,004,033	91,482	99,083	101,906	116,860	128,808	142,745	149,948	158,445
Chinese	2,923,172	130,177	135,257	137,225	165,774	184,609	204,843	208,889	220,701
Males	1,425,244	66,943	69,259	70,290	85,383	93,681	100,380	99,734	104,108
Females	1,497,928	63,234	65,998	66,935	80,391	90,928	104,463	109,155	116,593
Malays	525,888	33,088	31,706	35,267	42,750	47,798	46,239	38,943	30,939
Males	261,564	16,992	16,267	18,121	22,160	24,538	23,559	19,575	14,936
Females	264,324	16,096	15,439	17,146	20,590	23,260	22,680	19,368	16,003
Indians	356,876	17,312	25,415	25,676	22,939	22,438	22,787	27,781	35,342
Males	182,935	8,635	12,637	12,722	11,463	11,125	11,136	12,869	18,172
Females	173,941	8,677	12,778	12,954	11,476	11,313	11,651	14,912	17,170
Others	127,623	6,583	9,131	9,327	8,308	6,009	6,119	9,931	15,016
Males	59,783	3,108	4,263	4,456	3,905	2,702	2,168	3,418	6,337
Females	67,840	3,475	4,868	4,871	4,403	3,307	3,951	6,513	8,679

Ethnic Group / Sex	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 & Over
Total	313,445	301,183	315,598	299,591	251,853	198,020	103,796	87,955	53,556	44,243
Males	152,466	147,517	158,202	150,315	125,130	96,349	48,691	38,976	21,884	14,954
Females	160,979	153,666	157,396	149,276	126,723	101,671	55,105	48,979	31,672	29,289
Chinese	231,775	223,222	235,906	232,481	202,871	163,881	88,238	74,926	44,620	37,777
Males	110,080	106,909	117,173	115,891	100,764	79,855	41,479	33,270	18,180	11,865
Females	121,695	116,313	118,733	116,590	102,107	84,026	46,759	41,656	26,440	25,912
Malays	31,701	35,056	43,212	38,118	28,147	18,867	8,571	7,275	5,087	3,124
Males	15,354	16,950	21,342	18,982	13,619	8,838	3,806	3,217	1,992	1,316
Females	16,347	18,106	21,870	19,136	14,528	10,029	4,765	4,058	3,095	1,808
Indians	33,829	29,035	26,523	22,471	16,676	12,372	5,710	4,715	3,171	2,684
Males	19,315	16,798	14,316	11,865	8,377	5,945	2,656	1,970	1,408	1,526
Females	14,514	12,237	12,207	10,606	8,299	6,427	3,054	2,745	1,763	1,158
Others	16,140	13,870	9,957	6,521	4,159	2,900	1,277	1,039	678	658
Males	7,717	6,860	5,371	3,577	2,370	1,711	750	519	304	247
Females	8,423	7,010	4,586	2,944	1,789	1,189	527	520	374	411

Notes : Singapore resident population comprises Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=315>

2.5 RESIDENT AGE-SPECIFIC FERTILITY RATES

Age Group (Years)	Per Thousand Females						
	2010	2011	2012	2013	2014	2015	2016
15 - 19	4.8	4.7	4.3	3.8	3.3	2.7	2.7
20 - 24	23.3	22.4	22.2	19.7	19.5	18.7	17.0
25 - 29	68.1	73.4	76.7	70.5	71.1	68.7	65.8
30 - 34	86.0	89.5	99.5	90.2	99.3	98.5	96.2
35 - 39	42.2	42.4	46.3	44.7	48.3	49.9	49.7
40 - 44	6.1	7.2	8.0	8.0	8.3	8.9	8.8
45 - 49	0.3	0.3	0.3	0.3	0.3	0.4	0.3

Notes : Data pertain to resident population (i.e. Singapore citizens and permanent residents).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3733>

2.6 LIVE-BIRTHS BY ETHNIC GROUP AND SEX

Ethnic Group / Sex	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	37,967	39,654	42,663	39,720	42,232	42,185	41,251
Males	19,643	20,434	22,102	20,528	21,679	21,755	21,315
Females	18,323	19,220	20,561	19,191	20,552	20,430	19,936
Chinese	23,303	24,691	26,760	23,890	25,958	25,412	24,749
Males	12,099	12,854	13,998	12,388	13,446	13,054	12,750
Females	11,204	11,837	12,762	11,502	12,512	12,358	11,999
Malays	5,711	5,719	5,908	6,067	6,468	6,961	7,143
Males	2,961	2,880	3,047	3,130	3,265	3,608	3,701
Females	2,749	2,839	2,861	2,937	3,202	3,353	3,442
Indians	4,285	4,376	4,672	4,648	4,678	4,895	4,499
Males	2,168	2,255	2,311	2,398	2,347	2,564	2,355
Females	2,117	2,121	2,361	2,250	2,331	2,331	2,144
Other Ethnic Groups	4,668	4,868	5,323	5,115	5,128	4,917	4,860
Males	2,415	2,445	2,746	2,612	2,621	2,529	2,509
Females	2,253	2,423	2,577	2,502	2,507	2,388	2,351

Source : Registry of Births and Deaths

Notes : Figures for males and females may not add up to the total due to unknown sex.
Data are based on date of occurrence.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9567>

2.7 LIVE-BIRTHS BY (a) BIRTH ORDER AND (b) PLACE OF OCCURRENCE

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	37,967	39,654	42,663	39,720	42,232	42,185	41,251
Birth Order ¹							
1st	18,130	19,035	20,755	19,292	20,327	20,248	19,392
2nd	13,404	14,120	15,082	13,924	15,262	14,857	14,913
3rd	4,615	4,726	4,988	4,651	4,859	5,099	4,927
4th	1,296	1,285	1,299	1,294	1,243	1,394	1,378
5th	367	323	352	360	357	388	434
6th & over	155	164	187	199	184	199	207
Place of Occurrence							
Public Sector Hospitals	15,312	15,872	16,403	15,646	17,066	17,730	17,895
Private Sector Hospitals	22,546	23,679	26,149	23,919	25,029	24,300	23,191
Other Locations	109	103	111	155	137	155	165

Source : Registry of Births and Deaths

Notes : Data are based on date of occurrence.

1 Includes birth order not stated.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=2796>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=2795>

2.8 RESIDENT AGE-SEX SPECIFIC DEATH RATES

Age Group (Years)	Per Thousand Residents						
	2010	2011	2012	2013	2014	2015	2016
	Total						
Total	4.4	4.5	4.5	4.6	4.7	4.8	4.8
Under 1 ¹	2.0	2.0	1.8	2.0	1.8	1.7	2.4
1 - 4	0.1	0.2	0.2	0.2	0.1	0.1	0.1
5 - 9	0.1	0.1	0.1	0.1	-	-	0.1
10 - 14	0.1	0.1	0.1	0.1	-	0.1	0.1
15 - 19	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20 - 24	0.3	0.3	0.3	0.3	0.3	0.2	0.2
25 - 29	0.3	0.3	0.3	0.3	0.2	0.3	0.3
30 - 34	0.3	0.4	0.4	0.4	0.4	0.4	0.3
35 - 39	0.6	0.5	0.6	0.5	0.5	0.5	0.5
40 - 44	1.0	0.9	0.9	0.9	0.9	0.9	0.9
45 - 49	1.7	1.7	1.6	1.5	1.5	1.5	1.4
50 - 54	3.0	2.8	2.5	2.7	2.5	2.5	2.4
55 - 59	4.5	4.4	4.6	4.3	4.5	4.2	4.1
60 - 64	7.3	7.0	7.3	7.0	6.4	6.5	6.2
65 - 69	12.5	12.6	11.9	11.0	10.6	10.4	10.1
70 - 74	20.7	19.9	20.0	19.6	18.5	18.2	16.7
75 - 79	34.9	37.0	33.3	33.8	32.6	31.8	30.1
80 - 84	60.4	57.4	55.7	55.7	56.3	51.6	53.0
85 & Over	121.5	116.4	116.2	116.4	115.4	113.8	108.2

(continued on the next page)

Notes : Data pertain to resident population (i.e. Singapore citizens and permanent residents).

1 Infant mortality rate (deaths of resident infants under 1 year of age per thousand resident live-births).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3633>

2.8 RESIDENT AGE-SEX SPECIFIC DEATH RATES *(continued)*

Age Group (Years)	Per Thousand Residents						
	2010	2011	2012	2013	2014	2015	2016
Males							
Total	4.8	4.9	5.0	5.1	5.2	5.2	5.3
Under 1 ¹	1.9	2.3	2.0	1.8	1.9	2.2	2.3
1 - 4	0.2	0.2	0.2	0.1	0.1	0.2	0.2
5 - 9	0.1	0.1	0.1	0.1	-	0.1	0.1
10 - 14	0.1	0.1	0.2	0.1	-	0.1	0.2
15 - 19	0.2	0.2	0.2	0.3	0.3	0.2	0.3
20 - 24	0.4	0.5	0.5	0.4	0.4	0.3	0.3
25 - 29	0.4	0.4	0.4	0.3	0.3	0.4	0.4
30 - 34	0.4	0.5	0.4	0.6	0.5	0.5	0.4
35 - 39	0.8	0.7	0.6	0.6	0.7	0.7	0.6
40 - 44	1.3	1.0	1.2	1.2	1.3	1.1	1.1
45 - 49	2.2	2.2	1.9	2.0	1.7	1.9	1.7
50 - 54	3.9	3.6	3.1	3.4	3.0	3.1	3.1
55 - 59	5.7	5.9	5.8	5.7	5.8	5.4	5.3
60 - 64	9.4	8.9	9.7	8.8	8.4	8.5	8.2
65 - 69	16.6	16.4	15.2	14.5	13.8	13.9	13.3
70 - 74	27.1	26.0	26.5	26.0	24.4	23.9	22.5
75 - 79	45.2	47.2	42.3	43.3	41.0	41.0	38.4
80 - 84	76.4	71.3	69.9	68.2	70.6	63.7	66.6
85 & Over	140.0	130.8	132.3	131.0	128.5	124.8	124.2

(continued on the next page)

Notes : Data pertain to resident population (i.e. Singapore citizens and permanent residents).

1 Infant mortality rate (deaths of resident infants under 1 year of age per thousand resident live-births).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3633>

2.8 RESIDENT AGE-SEX SPECIFIC DEATH RATES *(continued)*

Age Group (Years)	Per Thousand Residents						
	2010	2011	2012	2013	2014	2015	2016
Females							
Total	3.9	4.0	4.1	4.2	4.3	4.3	4.3
Under 1 ¹	2.1	1.7	1.6	2.1	1.7	1.2	2.5
1 - 4	0.1	0.1	0.1	0.2	0.1	0.1	0.1
5 - 9	0.1	0.1	0.1	-	-	-	0.1
10 - 14	0.1	-	0.1	0.1	0.1	0.1	0.1
15 - 19	0.1	0.2	0.2	0.2	0.2	0.2	0.1
20 - 24	0.2	0.2	0.2	0.2	0.1	0.2	0.2
25 - 29	0.2	0.2	0.2	0.2	0.1	0.2	0.2
30 - 34	0.2	0.3	0.4	0.3	0.2	0.3	0.2
35 - 39	0.5	0.4	0.5	0.4	0.3	0.4	0.3
40 - 44	0.7	0.8	0.7	0.7	0.7	0.6	0.8
45 - 49	1.2	1.3	1.3	1.1	1.2	1.1	1.1
50 - 54	1.9	2.1	2.0	2.0	1.9	1.9	1.8
55 - 59	3.3	2.9	3.3	3.0	3.2	3.1	3.0
60 - 64	5.3	5.2	5.1	5.1	4.4	4.5	4.3
65 - 69	8.8	9.0	8.7	7.8	7.5	7.1	7.0
70 - 74	15.1	14.7	14.5	14.2	13.5	13.2	11.5
75 - 79	27.1	29.0	26.3	26.3	25.9	24.4	23.5
80 - 84	50.2	48.4	46.4	47.2	46.6	43.4	43.7
85 & Over	112.5	109.4	108.3	109.1	108.8	108.2	100.0

Notes : Data pertain to resident population (i.e. Singapore citizens and permanent residents).

1 Infant mortality rate (deaths of resident infants under 1 year of age per thousand resident live-births).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3633>

2.9 DEATHS BY BROAD GROUP OF CAUSES

Causes of Death	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	17,610	18,027	18,481	18,938	19,393	19,862	20,017
Infective & Parasitic Diseases	269	244	233	211	217	194	174
of which : Tuberculosis	77	68	65	51	60	41	41
Neoplasms	5,078	5,461	5,651	5,849	5,790	5,986	5,993
of which : Malignant	5,025	5,411	5,565	5,775	5,701	5,903	5,925
Endocrine, Nutritional & Metabolic Diseases	272	356	279	253	296	270	363
of which : Diabetes	182	299	268	247	277	250	343
Diseases of the Blood & Blood-Forming Organs	41	41	20	14	23	10	14
Diseases of the Nervous System & Sense Organs	92	117	166	137	144	210	226
Diseases of the Circulatory System	5,807	5,720	5,747	5,765	5,987	6,101	6,107
of which : Heart & Hypertensive Diseases	4,161	3,920	3,848	3,914	4,165	4,534	4,576
Cerebrovascular Disease	1,472	1,628	1,714	1,680	1,620	1,357	1,317
Diseases of the Respiratory System	3,434	3,493	3,708	4,061	4,232	4,417	4,440
of which : Pneumonia	2,766	2,879	3,096	3,512	3,680	3,859	3,855
Diseases of the Digestive System	436	426	414	418	482	477	467
Diseases of the Genito-Urinary System	893	918	934	967	951	928	913
Congenital Anomalies	60	53	54	47	50	62	72
of which : Congenital Anomalies of Heart	35	21	25	21	26	32	38
Certain Causes of Perinatal Mortality	34	49	44	43	42	30	36
Accidents, Poisonings & Violence	973	989	1,030	933	909	895	890
of which : Transport Accidents	208	207	192	176	183	168	164
Suicides	353	361	467	422	415	409	429
Other Diseases & Causes	221	160	201	240	270	282	322

Source : Registry of Births and Deaths

Notes : Deaths prior to 2012 are classified according to the Ninth Revision of the International Classification of Diseases (ICD).
From 2012 onwards, causes of death are adapted in accordance to the Tenth Revision of the ICD.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3622>

2.10 LIFE EXPECTANCY OF SINGAPORE RESIDENTS AT BIRTH AND AT AGE 65 YEARS BY SEX

Year	Years					
	At Birth			At Age 65 Years		
	Total	Males	Females	Total	Males	Females
1980	72.1	69.8	74.7	14.0	12.6	15.4
1985	73.9	71.5	76.4	14.9	13.6	16.2
1990	75.3	73.1	77.6	15.7	14.5	16.9
1995	76.3	74.1	78.6	16.0	14.6	17.2
2000	78.0	76.0	80.0	16.9	15.6	18.1
2005	80.1	77.6	82.5	18.7	16.9	20.4
2006	80.3	77.8	82.6	18.9	17.1	20.4
2007	80.6	78.1	82.9	19.0	17.2	20.6
2008	80.9	78.4	83.3	19.3	17.5	20.8
2009	81.4	78.9	83.7	19.6	17.8	21.2
2010	81.7	79.2	84.0	19.8	18.0	21.4
2011	81.9	79.5	84.1	20.0	18.1	21.6
2012	82.1	79.8	84.3	20.2	18.4	21.7
2013	82.4	80.1	84.5	20.4	18.6	21.9
2014	82.6	80.3	84.8	20.6	18.8	22.1
2015	82.9	80.5	85.1	20.8	18.9	22.3
2016	82.9	80.6	85.1	20.8	19.0	22.4

Notes : Data pertain to resident population (i.e. Singapore citizens and permanent residents).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3612>

2.11 AGE AT FIRST MARRIAGE AND DIVORCE

	Years						
	2010	2011	2012	2013	2014	2015	2016
Median Age at First Marriage							
Grooms	30.0	30.1	30.1	30.2	30.2	30.3	30.3
Brides	27.7	28.0	28.0	28.1	28.2	28.2	28.3
Median Age of Divorcees ¹							
Male	41.0	41.3	41.6	42.4	42.6	42.9	42.8
Female	37.4	37.7	38.0	38.2	38.4	38.8	38.5

1 Exclude annulments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10111>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1694>

2.12 RESIDENT AGE-SEX SPECIFIC MARRIAGE RATES

Age Group (Years)	2010	2011	2012	2013	2014	2015	2016
Males (per thousand unmarried resident males)							
15 - 19	0.7	0.7	0.6	0.6	0.5	0.6	0.4
20 - 24	11.7	11.1	12.2	10.9	10.7	10.1	9.2
25 - 29	71.8	79.6	77.8	71.5	77.0	76.4	78.2
30 - 34	102.7	117.9	117.8	109.9	127.2	132.5	131.2
35 - 39	77.9	89.2	96.5	86.2	89.1	90.6	88.8
40 - 44	52.1	58.5	65.2	56.0	61.0	54.6	58.3
45 - 49	36.7	41.2	39.8	36.0	35.7	36.3	35.5
General Marriage Rate (per thousand unmarried resident males aged 15-49 years)	39.3	43.5	43.8	40.5	44.4	44.2	44.4
Females (per thousand unmarried resident females)							
15 - 19	2.8	2.4	2.3	2.2	1.7	1.7	1.7
20 - 24	22.6	23.5	24.4	21.3	22.3	20.9	19.9
25 - 29	99.0	108.0	106.7	97.4	103.8	107.2	106.8
30 - 34	81.0	96.0	96.2	89.2	105.3	106.5	105.8
35 - 39	36.3	42.4	43.2	44.6	44.3	48.2	48.9
40 - 44	16.2	20.7	21.0	19.4	19.5	21.1	21.3
45 - 49	10.4	10.2	10.5	10.2	11.7	10.4	11.7
General Marriage Rate (per thousand unmarried resident females aged 15-49 years)	35.3	39.2	39.4	36.9	40.8	41.1	41.6

Notes : Data are based on resident grooms/brides and resident population (i.e. Singapore citizens and permanent residents).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1699>

2.13 GROOMS BY AGE GROUP

Age Group (Years)							Number
	2010	2011	2012	2013	2014	2015	2016
Women's Charter							
Total	20,230	22,840	23,134	21,180	22,863	22,544	22,017
Under 20	63	59	46	53	37	24	25
20 - 24	1,139	1,192	1,297	1,097	1,034	921	824
25 - 29	6,631	7,392	7,323	6,568	7,390	7,191	7,111
30 - 34	5,881	6,893	7,066	6,681	7,171	7,242	7,091
35 - 39	2,867	3,251	3,303	3,062	3,284	3,208	3,205
40 - 44	1,492	1,582	1,661	1,533	1,756	1,741	1,629
45 - 49	993	1,031	1,025	898	872	891	872
50 - 54	590	703	671	635	626	578	532
55 - 59	327	409	384	345	376	396	351
60 & Over	247	328	358	308	317	352	377
Administration of Muslim Law Act							
Total	4,133	4,418	4,802	5,074	5,544	5,778	5,954
Under 20	36	42	38	28	33	48	27
20 - 24	557	506	610	578	591	613	591
25 - 29	1,666	1,883	2,106	2,177	2,444	2,507	2,727
30 - 34	805	878	946	1,084	1,273	1,282	1,268
35 - 39	443	428	441	446	413	481	476
40 - 44	254	260	246	293	297	283	312
45 - 49	161	190	176	196	218	215	204
50 - 54	83	112	123	131	138	169	168
55 - 59	70	64	54	80	80	90	88
60 & Over	58	55	62	61	57	90	93

Sources : Registry of Marriages
Registry of Muslim Marriages

Notes : Data on marriages registered under the Women's Charter exclude re-registered marriages, i.e. marriages which were contracted overseas or under religious and customary rites and were subsequently registered in Singapore in the reference year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10059>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10081>

2.14 BRIDES BY AGE GROUP

Age Group (Years)							Number
	2010	2011	2012	2013	2014	2015	2016
Women's Charter							
Total	20,230	22,840	23,134	21,180	22,863	22,544	22,017
Under 20	292	259	222	206	152	133	119
20 - 24	3,087	3,268	3,343	2,785	2,658	2,427	2,155
25 - 29	9,137	10,311	10,244	9,296	10,403	10,269	10,213
30 - 34	4,623	5,424	5,667	5,423	5,884	5,857	5,739
35 - 39	1,799	1,980	2,074	2,003	2,097	2,150	2,141
40 - 44	655	882	877	813	914	914	893
45 - 49	378	403	382	378	417	437	415
50 - 54	171	193	172	165	212	199	188
55 - 59	54	67	91	74	80	85	88
60 & Over	34	53	62	37	46	73	66
Administration of Muslim Law Act							
Total	4,133	4,418	4,802	5,074	5,544	5,778	5,954
Under 20	179	149	164	149	134	145	125
20 - 24	1,105	1,176	1,279	1,245	1,384	1,345	1,293
25 - 29	1,611	1,812	1,969	2,132	2,417	2,494	2,732
30 - 34	562	548	641	711	820	856	835
35 - 39	266	286	284	344	293	351	370
40 - 44	157	187	194	214	213	269	248
45 - 49	131	125	160	139	149	145	180
50 - 54	72	87	72	76	75	111	104
55 - 59	33	32	24	40	37	36	38
60 & Over	17	16	15	24	22	26	29

Sources : Registry of Marriages
Registry of Muslim Marriages

Notes : Data on marriages registered under the Women's Charter exclude re-registered marriages, i.e. marriages which were contracted overseas or under religious and customary rites and were subsequently registered in Singapore in the reference year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10071>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10040>

2.15 MARRIAGES REGISTERED BY ETHNIC GROUP OF COUPLE

Ethnic Group							Number
	2010	2011	2012	2013	2014	2015	2016
Women's Charter							
Total	20,230	22,840	23,134	21,180	22,863	22,544	22,017
Chinese	14,535	16,499	16,387	14,948	16,750	16,237	15,944
Indians	799	879	950	960	978	940	916
Others ¹	1,346	1,495	1,614	1,407	1,244	1,225	1,150
Inter-ethnic ²	3,550	3,967	4,183	3,865	3,891	4,142	4,007
Administration of Muslim Law Act							
Total	4,133	4,418	4,802	5,074	5,544	5,778	5,954
Malays	2,381	2,635	2,803	3,001	3,221	3,377	3,408
Indians	174	178	189	217	198	216	243
Others ³	200	184	199	226	223	232	286
Inter-ethnic ⁴	1,378	1,421	1,611	1,630	1,902	1,953	2,017

Sources : Registry of Marriages
Registry of Muslim Marriages

Notes : Data on marriages registered under the Women's Charter exclude marriages which were contracted overseas or under religious and customary rites and were subsequently registered in Singapore in the reference year.

1 Comprises couples of the same ethnicity from other ethnic groups besides Chinese and Indians, namely Malays, Eurasians, Caucasians and other ethnicities as one single 'Others' group.
E.g. Eurasian-Eurasian, Caucasian-Caucasian, Others-Others.

2 Refers to marriages where both the groom and bride are of different ethnicity.
E.g. Indian-Chinese, Eurasian-Caucasian, Chinese-Malay, Chinese-Others.

3 Comprises Muslim couples of the same ethnicity from other ethnic groups besides Malays and Indians, namely Chinese, Eurasians, Caucasians and other ethnicities as one single 'Others' group.
E.g. Eurasian-Eurasian, Caucasian-Caucasian, Others-Others.

4 Refers to marriages where both the groom and bride are of different ethnicity.
E.g. Malay-Indian, Malay-Chinese, Malay-Others.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10046>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10098>

2.16 RESIDENT AGE-SEX SPECIFIC DIVORCE RATES

Age Group (Years)	2010	2011	2012	2013	2014	2015	2016
Males (per thousand married resident males)							
20 - 24	24.9	26.6	28.4	25.8	25.3	30.8	27.6
25 - 29	16.3	20.3	21.7	21.7	20.2	17.8	16.7
30 - 34	14.6	14.0	13.3	13.1	13.1	12.5	12.6
35 - 39	12.5	12.7	11.9	12.0	11.6	11.7	12.8
40 - 44	9.6	10.0	9.4	9.8	9.9	10.1	9.6
45 - 49	7.5	7.7	7.6	8.5	7.7	8.3	8.4
50 & Over	3.3	3.5	3.3	3.6	3.5	3.7	3.6
General Divorce Rate (per thousand married resident males aged 20 years and over)	7.5	7.6	7.1	7.3	7.0	7.1	7.1
Females (per thousand married resident females)							
20 - 24	24.4	27.8	29.1	26.7	23.5	26.3	28.6
25 - 29	15.0	17.8	15.8	17.5	16.0	15.3	15.1
30 - 34	12.8	12.0	12.0	12.4	11.7	11.6	11.9
35 - 39	10.7	11.0	10.0	10.3	10.1	9.6	10.1
40 - 44	7.9	8.5	8.2	8.0	8.3	8.8	8.4
45 - 49	6.2	6.2	5.6	6.3	6.1	6.4	6.2
50 & Over	2.4	2.4	2.4	2.5	2.4	2.6	2.6
General Divorce Rate (per thousand married resident females aged 20 years and over)	7.2	7.2	6.7	6.9	6.5	6.6	6.6

Notes : Data are based on divorces and annulments where the male/female spouses are residents (i.e. Singapore citizens and permanent residents).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1700>

2.17 DIVORCES AND ANNULMENTS BY AGE GROUP OF MALES

Age Group (Years)							Number
	2010	2011	2012	2013	2014	2015	2016
Divorces under the Women's Charter							
Total	5,433	5,696	5,306	5,471	5,172	5,450	5,505
Under 25	25	32	24	28	34	40	24
25 - 29	266	341	256	274	227	234	247
30 - 34	919	858	785	740	730	725	692
35 - 39	1,194	1,211	1,149	1,051	997	1,020	1,113
40 - 44	960	1,026	952	980	946	1,039	1,022
45 - 49	815	883	798	892	769	826	825
50 - 54	594	624	606	705	648	664	664
55 - 59	360	397	372	408	419	446	447
60 & Over	291	323	357	393	351	436	456
Unknown	9	1	7	0	51	20	15
Divorces under the Administration of Muslim Law Act							
Total	1,536	1,538	1,587	1,662	1,689	1,667	1,702
Under 25	47	41	49	40	33	41	40
25 - 29	186	186	172	180	159	162	191
30 - 34	290	256	286	290	293	288	305
35 - 39	292	305	275	310	265	279	284
40 - 44	255	251	265	257	295	249	234
45 - 49	217	201	235	257	229	231	229
50 - 54	123	153	157	172	210	222	191
55 - 59	63	76	87	85	121	94	119
60 & Over	59	69	60	71	84	101	109
Unknown	4	0	1	0	0	0	0
Annulments under the Women's Charter							
Total	369	370	344	392	446	405	407
Under 25	8	10	18	21	14	14	13
25 - 29	101	91	84	88	109	105	87
30 - 34	111	126	99	111	132	117	137
35 - 39	70	62	65	63	75	68	82
40 & Over	79	81	78	109	116	101	88
Unknown	0	0	0	0	0	0	0

Sources : Family Justice Courts
Syariah Court
Registry of Muslim Marriages

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10084>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10052>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10086>

2.18 DIVORCES AND ANNULMENTS BY AGE GROUP OF FEMALES

Age Group (Years)							Number
	2010	2011	2012	2013	2014	2015	2016
Divorces under the Women's Charter							
Total	5,433	5,696	5,306	5,471	5,172	5,450	5,505
Under 25	114	112	126	106	97	109	88
25 - 29	654	744	574	584	537	544	538
30 - 34	1,230	1,182	1,164	1,189	1,090	1,160	1,158
35 - 39	1,201	1,280	1,166	1,135	1,127	1,102	1,213
40 - 44	844	934	908	938	894	1,011	941
45 - 49	640	658	565	647	589	620	661
50 - 54	375	397	401	450	391	448	399
55 - 59	205	209	215	260	239	207	286
60 & Over	158	179	179	161	165	234	214
Unknown	12	1	8	1	43	15	7
Divorces under the Administration of Muslim Law Act							
Total	1,536	1,538	1,587	1,662	1,689	1,667	1,702
Under 25	132	124	120	107	84	95	100
25 - 29	281	283	281	289	253	272	301
30 - 34	318	276	318	337	345	326	332
35 - 39	268	279	252	295	270	273	236
40 - 44	211	222	229	232	273	250	250
45 - 49	177	182	188	190	205	191	173
50 - 54	80	97	123	130	142	150	172
55 - 59	44	41	49	53	66	63	85
60 & Over	24	34	26	29	51	47	53
Unknown	1	0	1	0	0	0	0
Annulments under the Women's Charter							
Total	369	370	344	392	446	405	407
Under 25	51	59	49	49	59	45	45
25 - 29	169	162	143	175	170	166	160
30 - 34	81	91	97	110	133	119	122
35 - 39	47	37	33	36	50	48	47
40 & Over	21	21	22	22	34	27	32
Unknown	0	0	0	0	0	0	1

Sources : Family Justice Courts
Syariah Court
Registry of Muslim Marriages

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10084>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10052>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10086>

2.19 DIVORCES AND ANNULMENTS BY ETHNIC GROUP OF COUPLE

Ethnic Group							Number
	2010	2011	2012	2013	2014	2015	2016
Divorces under the Women's Charter							
Total	5,433	5,696	5,306	5,471	5,172	5,450	5,505
Chinese	4,446	4,595	4,240	4,331	4,018	4,121	4,123
Indians	366	408	336	373	352	387	380
Others ¹	64	82	91	86	89	118	119
Inter-ethnic ²	546	602	628	658	701	802	853
Divorces under the Administration of Muslim Law Act							
Total	1,536	1,538	1,587	1,662	1,689	1,667	1,702
Malays	1,080	1,108	1,209	1,211	1,254	1,177	1,181
Indians	55	73	95	74	70	77	98
Others ³	32	13	15	22	20	21	14
Inter-ethnic ⁴	369	344	268	355	345	392	409
Annulments under the Women's Charter							
Total	369	370	344	392	446	405	407
Chinese	276	272	236	226	266	259	262
Indians	39	33	28	37	40	38	50
Others ¹	3	3	5	7	8	2	8
Inter-ethnic ²	51	62	75	122	131	106	85

Sources : Family Justice Courts
Syariah Court
Registry of Muslim Marriages

Notes : Total includes divorces or annulments where the ethnic group of males or females was not reported.

- 1 Comprises male and female divorcees of the same ethnicity from other ethnic groups besides Chinese and Indians, namely Malays, Eurasians, Caucasians and other ethnicities as one single 'Others' group.
E.g. Eurasian-Eurasian, Caucasian-Caucasian, Others-Others.
- 2 Refers to divorces or annulments where both the male and female divorcees are of different ethnicity.
E.g. Indian-Chinese, Eurasian-Caucasian, Chinese-Malay, Chinese-Others.
- 3 Comprises Muslim male and female divorcees of the same ethnicity from other ethnic groups besides Malays and Indians, namely Chinese, Eurasians, Caucasians, and other ethnicities as one single 'Others' group.
E.g. Eurasian-Eurasian, Caucasian-Caucasian, Others-Others.
- 4 Refers to divorces where both the male and female divorcees are of different ethnicity.
E.g. Malay-Indian, Malay-Chinese, Indian-Others.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9804>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10099>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10087>

3



Households

3

Households



Households

Household: Refers to a group of two or more persons living together in the same house and sharing common food or other arrangements for essential living. It also includes a person living alone or a person living with others but having his own food arrangements. Although persons may be living in the same house, they may not be members of the same household.

Resident household: Refers to a household headed by a resident (i.e. Singapore citizen or permanent resident).

Resident employed household: Refers to a resident household with at least one working person.

Household size: Refers to the total number of members in the household, including domestic workers.

Household Income from Work



Household income from work: Refers to the sum of income received by working members of the household from employment and business. However, it does not include the income of domestic workers. Household income from work includes one-twelfth of the annual bonus. Data on household income from work refer to household income from work before accounting for Government transfers and taxes, unless stated otherwise.

As the income data pertain to income from work, the coverage of households is based on resident employed households.

Household income from work per household member: Refers to the household income from work divided by the total number of members in the household. For example, if there is one person in a household of four who is working, his income is divided by four to derive the income per household

member. This takes into account the different sizes of households in each group and enables analysis of changes in household income, adjusted for changes in household size over time.

Household Income Groups



Data on household income by income groups are derived by first ranking, in ascending order, all resident employed households by their monthly household income from work per household member, and then dividing them into ten equal groups or deciles.

Not all households are consistently in the same decile group from one year to the next. For example, an employed household may move down from a higher decile in a particular year due to temporary unemployment of a household member, before moving up the deciles when the member resumes work in the subsequent year.

In comparing the performance of any particular decile group over time, it is therefore relevant to note that they may not pertain to the same group of households.

Household Income Distribution



Percentile ratios: A measure of the spread of incomes across the population. P90 refers to the income level at the 90th percentile. P10 refers to the income level at the 10th percentile.

Gini coefficient: A summary measure of income inequality. It is equal to zero in the case of total income equality and equal to one in the case of total inequality. The more unequal the income distribution, the larger the value of the Gini coefficient.

Internationally, the computation methods adopted vary across countries, although the basic concept of Gini remains the same. One major difference is in the equivalence scale adopted.

Households ■

Equivalence scales take into account economies of scale within the household, and adjust for household size so that households of different sizes and compositions are comparable. There are different scales used by different countries.

The simplest method of adjusting for differences in household size is to divide household income by the number of members in the household, and present household income on a per household member basis.

For example, a household of four having income from work of \$4,000 would have \$1,000 on a per member basis.

There are more complex methods of adjusting for differences in household size. One such method is the modified Organisation of Economic Co-operation and Development (OECD) scale.

The modified OECD scale assigns the first adult in the household a weight of 1 point, and each additional adult a weight of 0.5 points and each child a weight of 0.3 points. Equivalised household income is derived by dividing the total household income by the sum of the points allocated to the household members.

For example, a household comprising two adults and two children would have a sum total of 2.1 points. If the household has income from work of \$4,000, then the equivalised household income would be \$1,905 (i.e. \$4,000 divided by 2.1).

Another method is the square root scale, which is used by OECD in its major reports on income inequality. The square root scale divides household income by the square root of household size.

For example, based on the square root scale, a household of four having income from work of \$4,000 would have an equivalised household income of \$2,000 (i.e. \$4,000 divided by the square root of 4).

Equivalised Household Income Computation Methods

	Per Household Member Scale	Modified OECD Scale	Square Root Scale
Total household income	\$4,000	\$4,000	\$4,000
Equivalence value	4 Number of household members	2.1 1st adult is assigned 1 point, each additional adult is assigned 0.5 points and each child is assigned 0.3 points	2 Square root of household size
Equivalised household income	$\$4,000 \div 4 =$ \$1,000	$\$4,000 \div 2.1 =$ \$1,905	$\$4,000 \div 2 =$ \$2,000

Government Transfers and Taxes

The Government transfers and taxes included in different years are subject to scheme design and data availability. For example, data on workfare-related payment starts from 2006, when the scheme was first introduced in 2006 as workfare bonus and subsequently as the workfare income supplement scheme. As more administrative data on transfers or taxes become available, the coverage for Government transfers or taxes would be expanded to include them. The full list of Government transfers and taxes included for the relevant years is available in the annual paper on [“Key Household Income Trends”](#) published by the Singapore Department of Statistics (DOS).

Other References

The annual report on [“Population Trends”](#) published by DOS also contains data on households and housing, among other demographic statistics. The publication comprises five sections, namely ‘Population’, ‘Households and Housing’, ‘Family Formation and Dissolution’, ‘Fertility’ and ‘Mortality’. Statistical analyses of Singapore’s changing population profiles are also included in the publication.

Data on household income from work are also available in the annual paper on [“Key Household Income Trends”](#). The paper highlights key trends in household income from work and presents the impact of Government transfers and taxes on household income.

3.1 NUMBER OF RESIDENT HOUSEHOLDS AND AVERAGE HOUSEHOLD SIZE

	Unit	2010	2011	2012	2013	2014	2015	2016
Total	'000	1,145.9	1,146.2	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6
1-Person Household	'000	139.9	114.0	109.5	124.4	134.8	146.0	156.2
2-Person Household	'000	215.0	227.9	230.9	234.1	252.2	259.2	276.1
3-Person Household	'000	231.4	237.1	238.3	243.7	251.5	256.2	266.2
4-Person Household	'000	263.9	279.6	281.1	290.9	280.1	282.2	286.2
5-Person Household	'000	168.0	169.7	170.5	165.5	162.9	164.0	161.2
6-Person Household or Larger	'000	127.8	117.9	121.8	116.0	118.4	117.6	117.6
Average Household Size	Persons	3.50	3.51	3.53	3.47	3.43	3.39	3.35

Notes : Data for 2010 and 2015 are from the Census of Population 2010 and General Household Survey 2015 respectively.
Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=849>

3.2 RESIDENT HOUSEHOLDS BY TYPE OF DWELLING

	2010	2011	2012	2013	2014	2015	Thousand 2016
Total	1,145.9	1,146.2	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6
Total HDB Dwellings ¹	943.7	948.4	939.5	961.8	965.2	981.1	1,011.5
1- and 2-Room Flats ²	52.3	52.2	54.0	59.1	64.0	68.8	74.1
3-Room Flats	229.7	233.3	214.5	223.2	220.1	223.4	230.3
4-Room Flats	365.4	367.5	375.4	382.4	386.0	392.3	407.4
5-Room and Executive Flats	293.3	291.9	293.3	294.3	292.8	295.8	298.6
Condominiums & Other Apartments	132.0	126.9	139.9	143.7	161.8	170.8	182.4
Landed Properties	64.9	66.3	69.0	65.0	69.4	69.2	66.2
Others	5.3	4.6	3.6	4.0	3.6	4.2	3.5

Notes : Data for 2010 and 2015 are from the Census of Population 2010 and General Household Survey 2015 respectively.
Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.

1 Includes non-privatised Housing and Urban Development Corporation (HUDC) flats.

2 Includes HDB studio apartments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3023>

3.3 AVERAGE HOUSEHOLD SIZE OF RESIDENT HOUSEHOLDS BY TYPE OF DWELLING

	2010	2011	2012	2013	2014	2015	Persons 2016
Total	3.50	3.51	3.53	3.47	3.43	3.39	3.35
Total HDB Dwellings ¹	3.45	3.46	3.48	3.42	3.37	3.34	3.30
1- and 2-Room Flats ²	2.11	2.24	2.36	2.38	2.32	2.24	2.16
3-Room Flats	2.78	2.77	2.79	2.74	2.70	2.69	2.67
4-Room Flats	3.66	3.65	3.63	3.58	3.53	3.49	3.46
5-Room and Executive Flats	3.96	3.99	3.98	3.94	3.88	3.89	3.84
Condominiums & Other Apartments	3.41	3.43	3.48	3.42	3.40	3.34	3.30
Landed Properties	4.39	4.38	4.35	4.33	4.32	4.30	4.28
Others	2.65	3.21	2.99	3.38	3.02	2.92	2.65

Notes : Data for 2010 and 2015 are from the Census of Population 2010 and General Household Survey 2015 respectively.
Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.

1 Includes non-privatised Housing and Urban Development Corporation (HUDC) flats.

2 Includes HDB studio apartments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=849>

3.4 HOME OWNERSHIP RATES AMONG RESIDENT HOUSEHOLDS BY TYPE OF DWELLING

	2010	2011	2012	2013	2014	2015	Per Cent 2016
Total	87.2	88.6	90.1	90.5	90.3	90.8	90.9
Total HDB Dwellings ¹	88.8	90.1	91.7	91.8	91.6	92.0	92.2
1- and 2-Room Flats ²	18.4	18.1	23.1	22.3	23.9	33.9	35.9
3-Room Flats	90.0	91.2	93.3	94.1	94.4	94.8	94.2
4-Room Flats	93.6	94.9	96.6	97.0	96.8	96.8	97.5
5-Room and Executive Flats	94.4	96.2	97.0	97.2	97.4	97.2	97.4
Condominiums & Other Apartments	76.6	79.0	80.3	82.5	83.3	84.1	84.1
Landed Properties	88.7	88.7	89.5	91.2	90.9	92.0	92.8
Others	46.8	44.2	65.1	47.7	47.1	54.9	51.5

Notes : Data for 2010 and 2015 are from the Census of Population 2010 and General Household Survey 2015 respectively.
Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.

1 Includes non-privatised Housing and Urban Development Corporation (HUDC) flats.

2 Includes HDB studio apartments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=851>

3.5 HOUSEHOLD INCOME FROM WORK PER HOUSEHOLD MEMBER ¹ AMONG RESIDENT EMPLOYED HOUSEHOLDS ²

	2010	2011	2012	2013	2014	2015	Dollars 2016
Median (50 th Percentile)	1,848	1,994	2,127	2,247	2,380	2,500	2,584
20 th Percentile	889	971	1,020	1,083	1,167	1,242	1,280

Notes : Data for 2010 are from the Census of Population 2010.
Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.
Household income from work includes employer Central Provident Fund (CPF) contributions.

1 Household income from work per household member refers to the household income from work divided by the total number of members in the household. For example, if there is one person in a household of four who is working, his income is divided by four to derive the income per household member.

2 A resident employed household refers to a household headed by a Singapore citizen or permanent resident and with at least one working person.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7997>

3.6 AVERAGE MONTHLY HOUSEHOLD INCOME FROM WORK PER HOUSEHOLD MEMBER ¹ AMONG RESIDENT EMPLOYED HOUSEHOLDS ² BY DECILES ³

							Dollars
Deciles ³	2010	2011	2012	2013	2014	2015	2016
Total	2,709	2,925	3,142	3,204	3,418	3,624	3,688
1 st - 10 th	381	422	440	463	494	541	543
11 th - 20 th	738	803	856	896	971	1,040	1,064
21 st - 30 th	1,036	1,122	1,200	1,268	1,353	1,446	1,483
31 st - 40 th	1,341	1,445	1,547	1,633	1,747	1,857	1,892
41 st - 50 th	1,668	1,794	1,917	2,033	2,155	2,274	2,339
51 st - 60 th	2,051	2,207	2,355	2,483	2,627	2,780	2,864
61 st - 70 th	2,540	2,726	2,893	3,039	3,217	3,409	3,521
71 st - 80 th	3,232	3,458	3,658	3,837	4,060	4,276	4,438
81 st - 90 th	4,429	4,727	5,004	5,192	5,524	5,804	5,958
91 st - 100 th	9,669	10,543	11,552	11,198	12,032	12,816	12,773

Notes : Data for 2010 are from the Census of Population 2010.

Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.
Household income from work includes employer Central Provident Fund (CPF) contributions.

- 1 Household income from work per household member refers to the household income from work divided by the total number of members in the household. For example, if there is one person in a household of four who is working, his income is divided by four to derive the income per household member.
- 2 A resident employed household refers to a household headed by a Singapore citizen or permanent resident and with at least one working person.
- 3 Based on the ranking of all resident employed households by their monthly household income from work per household member. It is notable, for example, that some resident employed households in the lowest 10% owned a car (14.0%), employed a maid (10.9%), lived in private property (6.5%) or were headed by persons aged 60 years and over (41.9%) in 2016. It is also important to recognise that not all households are consistently in the same decile group from one year to the next. For example, a household may move down from a higher decile in a particular year due to temporary unemployment of a household member, before moving up the deciles when the member resumes work in the subsequent year. In comparing the performance of any particular decile group over time, it is therefore relevant to note that it may not pertain to the same group of households.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7997>

3.7 RATIO OF HOUSEHOLD INCOME FROM WORK PER HOUSEHOLD MEMBER ¹ AT THE 90TH PERCENTILE (P90) TO 10TH PERCENTILE (P10) AMONG RESIDENT EMPLOYED HOUSEHOLDS ²

	Unit	2010	2011	2012	2013	2014	2015	2016
P90/P10 Ratio of Household Income from Work Per Household Member ³	Ratio	9.35	9.19	9.14	9.00	8.92	8.65	8.67
P90/P10 Ratio of Household Income from Work Per Household Member After Accounting for Government Transfers and Taxes ⁴	Ratio	6.47	6.21	6.37	5.90	5.98	5.77	5.76

Notes : Data for 2010 are from the Census of Population 2010.

Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.

Household income from work includes employer Central Provident Fund (CPF) contributions.

1 Household income from work per household member refers to the household income from work divided by the total number of members in the household. For example, if there is one person in a household of four who is working, his income is divided by four to derive the income per household member.

2 A resident employed household refers to a household headed by a Singapore citizen or permanent resident and with at least one working person.

3 Based on ranking of all resident employed households by their household income from work per household member.

4 Based on ranking of all resident employed households by their household income from work per household member after accounting for Government transfers and taxes.

Data on income after accounting for Government transfers and taxes for 2016 are preliminary.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createSpecialTable.action?refId=12353>

3.8 GINI COEFFICIENT¹ AMONG RESIDENT EMPLOYED HOUSEHOLDS²

	Unit	2010	2011	2012	2013	2014	2015	2016
Household Income from Work								
Based on Per Household Member ³	Ratio	0.472	0.473	0.478	0.463	0.464	0.463	0.458
Based on Modified OECD Scale ⁴	Ratio	0.448	0.452	0.457	0.442	0.444	0.440	0.435
Based on Square Root Scale ⁵	Ratio	0.432	0.434	0.435	0.421	0.425	0.415	0.410
Household Income from Work After Accounting for Government Transfers and Taxes								
Based on Per Household Member ³	Ratio	0.425	0.423	0.432	0.409	0.411	0.409	0.402
Based on Modified OECD Scale ⁴	Ratio	0.400	0.402	0.410	0.388	0.392	0.386	0.380
Based on Square Root Scale ⁵	Ratio	0.379	0.380	0.383	0.363	0.369	0.357	0.351

Notes : Data for 2010 are from the Census of Population 2010.

Data for other years are based on the sample of households surveyed in the mid-year Comprehensive Labour Force Surveys.

Household income from work includes employer Central Provident Fund (CPF) contributions.

Data on income after accounting for Government transfers and taxes for 2016 are preliminary.

- 1 Internationally, there are differences in computation methods adopted by different countries, although the basic concept of Gini remains the same. One major difference is in the equivalence scale adopted. Equivalence scales take into account economies of scale within the household, and adjust for household size so that households of different sizes and compositions are comparable. There are different scales used by different countries.
- 2 A resident employed household refers to a household headed by a Singapore citizen or permanent resident and with at least one working person.
- 3 Household income from work per household member refers to the household income from work divided by the total number of members in the household. For example, if there is one person in a household of four who is working, his income is divided by four to derive the income per household member. The per household member scale is used by economies such as Hong Kong and Japan.
- 4 The modified Organisation of Economic Co-operation and Development (OECD) scale assigns the first adult in the household a weight of 1 point, and each additional adult a weight of 0.5 points and each child a weight of 0.3 points. Equivalised household income is derived by dividing the total household income by the sum of the points allocated to all the household members. The modified OECD scale is used by Eurostat, the United Kingdom and Australia.
- 5 Based on the ranking of individuals by their household income on a 'per equivalised member basis' (i.e. household income is divided by square root of household size). This follows the approach adopted in the OECD 2008 report "Growing Unequal? Income Distribution and Poverty in OECD Countries". In following this approach, individuals such as children and maids would also be ranked. It is also noted that some OECD countries publish their own Gini using a different equivalence scale, and not the square root scale.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=7997>

4



Labour and Productivity

4

Labour and Productivity



Labour Force



Labour force data are based on the mid-year Labour Force Surveys conducted by the Ministry of Manpower (MOM) every year except for 1990, 1995, 2000 and 2005 which are based on the Censuses of Population and the mid-decade General Household Surveys conducted by the Singapore Department of Statistics. The data refer to persons aged fifteen years and over. The reference period refers to the week preceding the date of interview.

Labour Force ('000), 2016

3,672.8



Definitions



Employed Persons: Refers to persons aged fifteen years and over who, during the reference period: (i) work for one hour or more either for pay, profit or family gains; or (ii) have a job or business to return to but are temporarily absent because of illness, injury, breakdown of machinery at workplace, labour-management dispute or other reasons. Members of the Singapore Armed Forces including full-time National Servicemen are included as persons employed, unless otherwise specified.

Unemployed Persons: Refers to persons aged fifteen years and over who are not working but are actively looking for a job and available for work during the reference period. They include persons who are not working but are taking steps to start their own business or taking up a new job after the reference period.

Persons In The Labour Force: Refers to persons aged fifteen years and over who are either employed or unemployed during the reference period.

Persons Outside The Labour Force: Refers to persons aged fifteen years and over who are neither employed nor unemployed during the reference period.

Age-Sex Specific Labour Force Participation Rate: Refers to the percentage of the labour force to the population in the specific sex and age group.

Unemployment Rate: Refers to the percentage of unemployed persons to the labour force.

Total Unemployment Rate
(Seasonally Adjusted)
in June 2016



2.1%

Labour Productivity: Measures output per unit of labour input. Value-added (VA) is generally used as the measure of output, while labour input may be measured by number of employed persons or hours worked per employee.

Gross Monthly Income From Work: Refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.

Hours Worked



Statistics on weekly hours worked are compiled from surveys conducted by MOM. Since 2006, both private and public sector establishments are covered in the surveys. For the private sector, only establishments with at least 25 employees are included.

Labour and Productivity ■



Definitions



Weekly Paid Hours: Refers to the total number of paid hours worked during a week by an employee. It is the sum of standard hours and paid overtime hours worked.

Singapore Workforce Skills Qualifications System



The Singapore Workforce Skills Qualifications (WSQ) system was launched in October 2005. It is a national credentialing system that provides training and certifications for adult workers to obtain nationally recognized and industry-relevant qualifications. WSQ emphasises flexible competency-based adult learning, open access to skills upgrading and clear career progression pathways for workers to upgrade their skills. The WSQ is anchored on the development of skills and competencies linked to occupational structures, and was developed in close consultation with industries. Under the WSQ system, competency standards, assessment strategies and training curriculum incorporating adult learning principles are established for each key industry.

Employment Assistance



Singapore citizens and permanent residents may seek employment assistance at the Workforce Singapore (WSG)'s Careers Connect or National Trades Union Congress (NTUC)'s Employment and Employability Institute centres. Statistics on new registrants for employment and/or training assistance and job seekers placed into employment are compiled by WSG.

Multifactor Productivity



Multifactor productivity relates output to a set of combined inputs, usually labour and capital. A change in multifactor productivity reflects the change in output that cannot be

accounted for by the change in combined inputs. Multifactor productivity therefore measures the effects of changes such as technological progress and changes in the organisation of production.

Central Provident Fund



The Central Provident Fund (CPF) is a comprehensive social security system that enables working Singapore Citizens and Permanent Residents to set aside funds for retirement. It also addresses healthcare, home ownership, family protection and asset enhancement.

The employer is liable to pay the total CPF contributions, and is entitled to recover the employee's contribution from the employee's wages. With effect from 1 January 2016, the CPF salary ceiling is \$6,000.

The CPF contribution rates for various age groups ¹, are as follows:

Employee's Age	Employer	Employee	Total
(Percent of Monthly Wage)			
≤ 55 years	17.0	20.0	37.0
> 55 to 60 years	13.0	13.0	26.0
> 60 to 65 years	9.0	7.5	16.5
> 65 years	7.5	5.0	12.5

All CPF members have three accounts with the CPF Board – the Ordinary, Medisave and Special Accounts. Savings in the Ordinary Account can be used to buy a home, pay for CPF insurance (such as Dependants' Protection Scheme and Home Protection Scheme), investment and education. Medisave savings can be used for hospitalization expenses, approved medical insurance and certain outpatient treatments while savings in the Special Account are reserved for old age and investment in retirement-related financial products.

From the age of 55, a Retirement Account is created for all CPF members. This account,

¹ For employees earning \$750 and above in monthly wages

Labour and Productivity ■



comprising monies transferred from his Special and/or Ordinary Accounts, is used to provide monthly payments for the member during retirement. With three levels of retirement sums – basic, full and enhanced, members now have more options to decide on the amount of savings to set aside, depending on the amount of monthly payouts they wish to receive in their retirement. Members 55 years old and above can also withdraw CPF savings after setting aside the Full Retirement Sum or Basic Retirement Sum with sufficient property charge/pledge in their Retirement Accounts.

Labour Relations

Concepts and Definitions

Trade Union: Refers to a group or association of employees or employers whose principal objective is to regulate relations between employees and employers for all or any of the following purposes:

- Promote good industrial relations between employers and employees;
- Improve the working conditions of employees or enhance their economic and social status; and
- Raise productivity for the benefit of employees, employers and the economy of Singapore.

Trade Dispute: A dispute (including a threatened, impending or probable dispute) as to industrial matters.

Collective Agreement: Refers to an agreement between employers and employees as to industrial matters. The duration of a collective agreement is specified and by law shall not be less than two years or more than three years.

An Industrial Arbitration Court (IAC) Award refers to an award made by the IAC, and includes a collective agreement and a memorandum of the terms which have been certified by the President of the IAC in accordance with the provisions of the Industrial Relations Act.

Sources of Data

Statistics on Employers' and Employees' Trade Unions and Trade Disputes are compiled by the Labour Relations and Workplaces Division (LRWD) of the Ministry of Manpower (MOM).

The LRWD monitors the industrial relations situation and provides mediation and conciliation services for the settlement of trade disputes. The Division also investigates complaints on infringements of the Employment Act which governs the terms and conditions of employment.

Statistics on Collective Agreements and Industrial Arbitration Court Awards are obtained from the Industrial Arbitration Court (IAC).

The IAC was set up in 1960 under the Industrial Relations Act. Its functions include the registration and certification of collective agreements, hearing and determination of trade disputes and handing down of awards and interpretation and enforcement of terms of awards and collective agreements.

Other References

Similar data are presented in the "Singapore Yearbook of Manpower Statistics", published by the Manpower Research and Statistics Department of MOM (MRSD).

Detailed statistics on the labour force are presented in the report "Labour Force in Singapore", published by MRSD.

4.1 LABOUR FORCE

	Unit	2010	2011	2012	2013	2014	2015	2016
Labour Force								
Total	'000	3,135.9	3,237.1	3,361.8	3,443.7	3,530.8	3,610.6	3,672.8
Residents	'000	2,047.3	2,080.1	2,119.6	2,138.8	2,185.2	2,232.3	2,257.6
Employed								
Total	'000	3,047.2	3,149.7	3,274.7	3,352.9	3,440.2	3,516.0	3,570.0
Residents	'000	1,962.9	1,998.9	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3
Unemployed								
Total	'000	88.8	87.4	87.1	90.7	90.7	94.6	102.8
Residents	'000	84.4	81.2	79.0	82.6	81.8	84.5	92.3
Unemployment Rate (Seasonally Adjusted)								
Total	%	2.2	2.0	1.9	2.0	1.9	1.9	2.1
Residents	%	3.1	2.9	2.8	2.9	2.8	2.8	3.0
Resident Labour Force	%	66.2	66.1	66.6	66.7	67.0	68.3	68.0
Participation Rate								
Male	%	76.5	75.6	76.0	75.8	75.9	76.7	76.2
Female	%	56.5	57.0	57.7	58.1	58.6	60.4	60.4

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year.

Total Population comprises residents and non-residents. Residents comprise Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10422>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10421>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7908>

4.2 AGE-SPECIFIC RESIDENT LABOUR FORCE PARTICIPATION RATES

Age Group (Years)							Per Cent
	2010	2011	2012	2013	2014	2015	2016
Total	66.2	66.1	66.6	66.7	67.0	68.3	68.0
15 - 19	15.4	12.3	12.4	11.8	12.3	15.8	15.3
20 - 24	65.8	62.8	63.6	61.7	61.8	65.3	62.3
25 - 29	89.4	89.2	88.3	88.5	89.0	90.3	90.3
30 - 34	89.0	88.6	89.8	90.1	89.9	90.2	90.8
35 - 39	86.2	87.3	88.0	88.0	88.8	89.1	89.7
40 - 44	84.4	84.9	85.4	85.7	87.1	87.6	88.2
45 - 49	82.4	83.7	84.4	84.5	84.7	85.9	86.3
50 - 54	78.6	79.7	79.5	80.0	81.8	82.4	81.4
55 - 59	68.3	70.2	72.4	73.2	74.3	75.5	75.8
60 - 64	51.0	54.7	58.1	59.7	61.2	62.4	62.8
65 - 69	30.9	36.2	38.6	40.2	41.2	42.2	43.2
70 - 74	18.7	20.4	21.9	24.2	25.7	24.9	26.8
75 & Over	5.4	6.4	6.7	7.6	8.4	8.8	8.4

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year.
Residents comprise Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7908>

4.3 AGE-SPECIFIC RESIDENT MALE LABOUR FORCE PARTICIPATION RATES

Age Group (Years)							Per Cent
	2010	2011	2012	2013	2014	2015	2016
Total	76.5	75.6	76.0	75.8	75.9	76.7	76.2
15 - 19	17.5	14.6	13.8	13.2	14.9	18.3	18.0
20 - 24	66.2	63.2	64.5	63.2	63.6	64.4	62.6
25 - 29	93.3	91.8	89.9	89.0	89.4	90.9	90.0
30 - 34	97.7	97.4	97.2	97.2	97.5	97.4	97.0
35 - 39	98.0	97.7	98.2	97.5	97.2	97.5	97.8
40 - 44	96.8	97.1	97.1	97.1	96.8	97.1	97.2
45 - 49	96.1	96.0	95.6	96.1	96.4	96.9	96.3
50 - 54	92.6	93.5	93.8	94.0	93.8	94.2	92.9
55 - 59	85.0	85.7	88.5	87.6	87.5	88.2	88.7
60 - 64	67.5	71.1	74.6	75.0	77.0	77.2	76.9
65 - 69	43.7	49.1	52.6	53.4	54.1	54.5	55.7
70 - 74	27.3	31.1	32.1	35.8	37.3	34.5	35.4
75 & Over	9.8	11.1	11.5	12.5	13.6	13.8	13.4

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year.
Residents comprise Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7908>

4.4 AGE-SPECIFIC RESIDENT FEMALE LABOUR FORCE PARTICIPATION RATES

Age Group (Years)							Per Cent
	2010	2011	2012	2013	2014	2015	2016
Total	56.5	57.0	57.7	58.1	58.6	60.4	60.4
15 - 19	13.1	9.8	10.9	10.2	9.6	13.1	12.4
20 - 24	65.3	62.5	62.6	59.9	59.8	66.3	62.0
25 - 29	85.7	86.7	86.8	88.0	88.6	89.7	90.6
30 - 34	81.3	81.0	83.3	83.7	83.3	83.9	85.3
35 - 39	75.2	77.6	78.9	79.4	80.9	81.7	82.3
40 - 44	72.7	73.9	74.8	75.4	78.1	78.9	80.2
45 - 49	68.9	71.5	73.4	73.1	73.7	75.5	77.2
50 - 54	64.9	66.1	65.6	66.5	70.4	70.6	70.3
55 - 59	51.7	55.1	56.2	59.1	61.4	62.8	63.1
60 - 64	35.4	38.4	41.7	44.2	45.5	47.7	48.8
65 - 69	19.1	23.9	26.3	27.9	29.5	31.1	31.4
70 - 74	11.3	11.3	13.4	14.1	15.6	16.5	19.3
75 & Over	2.7	3.3	3.4	4.2	4.7	5.5	5.1

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year.
Residents comprise Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7908>

4.5 EMPLOYED RESIDENTS AGED 15 YEARS AND OVER BY OCCUPATION

Occupation	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total	1,962.9	1,998.9	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3
Legislators, Senior Officials & Managers	335.2	355.9	346.3	349.6	342.3	345.3	324.8
Professionals	382.5	343.7	367.3	366.9	373.5	392.9	412.9
Associate Professionals and Technicians	310.4	351.1	352.8	373.6	408.9	428.8	455.2
Clerical Support Workers	240.5	245.2	262.2	268.0	265.3	264.5	241.1
Service and Sales Workers	239.4	240.5	257.7	249.4	248.3	255.9	267.8
Craftsmen and Related Trades Workers	86.5	89.5	90.6	82.2	82.2	83.9	79.2
Plant and Machine Operators and Assemblers	154.2	157.7	149.8	147.7	146.4	146.2	152.1
Cleaners, Labourers and Related Workers	145.5	145.7	145.3	150.2	166.0	160.3	160.7
Others ¹	68.7	69.6	68.6	68.7	70.8	70.0	71.6

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year.
Residents comprise Singapore citizens and permanent residents.
Data are classified based on Singapore Standard Occupation Classification 2015.

1 Includes Agricultural & Fishery Workers and Workers Not Classifiable by Occupation.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7917>

4.6 EMPLOYED RESIDENTS AGED 15 YEARS AND OVER BY INDUSTRY

Industry	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total	1,962.9	1,998.9	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3
Manufacturing	291.4	292.4	288.2	280.0	249.3	238.7	227.5
Construction	104.0	99.7	104.5	101.9	98.2	110.4	100.9
Services	1,529.9	1,583.3	1,621.4	1,647.5	1,731.2	1,775.4	1,816.8
Wholesale & Retail Trade	281.7	300.5	306.3	302.2	346.3	364.1	364.1
Transportation and Storage	191.3	192.0	189.5	192.6	188.9	187.6	188.4
Accommodation and Food Services Activities	128.9	135.2	129.3	135.1	137.1	139.1	138.2
Information & Communications	99.9	85.4	85.8	92.1	87.8	83.5	84.6
Financial and Insurance Activities	126.0	145.5	150.6	147.8	165.6	167.3	190.7
Business Services ¹	253.5	271.6	289.7	291.6	311.3	333.4	334.7
Community, Social & Personal Services	448.6	453.1	470.1	486.1	494.3	500.5	516.1
Others ²	37.6	23.5	26.5	26.8	24.8	23.3	20.2

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year.
 Residents comprise Singapore citizens and permanent residents.
 Data across the various years may not be strictly comparable due to revisions in the industrial classification.
 Data from 2010 to 2014 are classified according to the Singapore Standard Industrial Classification (SSIC) 2010.
 Data from 2015 are classified according to the SSIC 2015.

1 Includes Real Estate Activities, Professional, Scientific & Technical Activities, Administrative & Support Service Activities.

2 Includes Agriculture, Fishing, Quarrying, Utilities and Sewage & Waste Management.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7917>

4.7 GOVERNMENT EMPLOYEES IN THE PUBLIC SERVICE

(End of Period)

	2010	2011	2012	2013	2014	2015	Number 2016
Total	127,279	131,228	136,027	138,720	140,865	143,183	144,980
Ministries and Organs of State	75,836	77,540	80,210	81,508	82,291	83,713	84,393
Statutory Boards	51,443	53,688	55,817	57,212	58,574	59,470	60,587

Source : Public Service Division, Prime Minister's Office

Notes : Data exclude Daily-Rated Employees.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14357>

4.8 GOVERNMENT EMPLOYEES IN THE CIVIL SERVICE ¹ BY SEX

(End of Period)

Gender	2010	2011	2012	2013	2014	2015	Number 2016
Total	75,836	77,540	80,210	81,508	82,291	83,713	84,393
Males	33,034	33,461	34,584	35,162	35,659	36,653	37,087
Females	42,802	44,079	45,626	46,346	46,632	47,060	47,306
Senior Executive & above	40,160	41,957	44,720	46,656	48,747	55,020	56,072
Males	14,964	15,534	16,432	17,072	17,790	19,492	20,102
Females	25,196	26,423	28,288	29,584	30,957	35,528	35,970
Junior Executive	35,676	35,583	35,490	34,852	33,544	28,693	28,321
Males	18,070	17,927	18,152	18,090	17,869	17,161	16,985
Females	17,606	17,656	17,338	16,762	15,675	11,532	11,336

Source : Public Service Division, Prime Minister's Office

Notes : Data exclude Daily-Rated Employees.

- 1 Refers to officers in the Ministries and Organs of State. Statutory Board officers are not included.
- 2 Prior to 2016, Senior Executive & above and Junior Executive were represented by officers in the Divisional Status I and Divisional Statuses II to IV respectively.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14356>

4.9

GOVERNMENT EMPLOYEES IN THE STATUTORY BOARDS BY SEX
(End of Period)

Gender							Number
	2010	2011	2012	2013	2014	2015	2016
Total	51,443	53,688	55,817	57,212	58,574	59,470	60,587
Males	25,525	26,471	27,480	28,304	28,952	29,429	30,117
Females	25,918	27,217	28,337	28,908	29,622	30,041	30,470
Senior Executive & above	32,474	34,682	37,043	38,634	40,699	42,098	42,483
Males	17,154	18,138	19,293	20,027	21,093	21,693	21,786
Females	15,320	16,544	17,750	18,607	19,606	20,405	20,697
Junior Executive	18,969	19,006	18,774	18,578	17,875	17,372	18,104
Males	8,371	8,333	8,187	8,277	7,859	7,736	8,331
Females	10,598	10,673	10,587	10,301	10,016	9,636	9,773

Source : Public Service Division, Prime Minister's Office

Notes: Data exclude Daily-Rated Employees.

- 1 Prior to 2016, Senior Executive & above and Junior Executive were represented by officers in the Divisional Status I and Divisional Statuses II to IV respectively.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14354>

4.10 CENTRAL PROVIDENT FUND MEMBERS ¹ BY AGE GROUP

(End of Period)

							Thousand
Age Group (Years)	2010	2011	2012	2013	2014	2015	2016
Total	3,343.3	3,376.3	3,418.6	3,507.6	3,593.3	3,685.9	3,761.5
Up to 20	106.0	110.4	112.8	117.6	123.1	126.2	119.7
> 20 - 25	220.5	229.4	236.6	234.4	241.0	248.0	249.2
> 25 - 30	267.8	257.6	252.6	260.9	266.5	273.9	285.0
> 30 - 35	305.1	301.8	303.7	302.6	299.8	298.8	291.1
> 35 - 40	335.6	333.9	326.8	320.3	318.5	320.6	318.5
> 40 - 45	359.4	349.6	346.6	346.7	347.0	342.6	341.3
> 45 - 50	425.7	419.6	407.3	392.0	373.5	360.4	351.2
> 50 - 55	379.3	384.9	390.5	396.9	399.8	398.1	393.5
> 55 - 60	302.8	316.8	328.9	339.4	348.4	357.6	364.1
Over 60	616.2	648.4	689.2	734.9	779.0	825.7	875.6
Not specified	24.8	24.1	23.7	62.2	96.7	133.9	172.3

Source : Central Provident Fund (CPF) Board

1 Refer to persons (including self-employed) who have CPF balances in any of their CPF accounts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5304>

4.11 ACTIVE CENTRAL PROVIDENT FUND MEMBERS ¹ BY AGE GROUP

(End of Period)

							Thousand
Age Group (Years)	2010	2011	2012	2013	2014	2015	2016
Total	1,700.4	1,735.4	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3
Up to 20	43.9	42.5	45.7	49.3	56.8	49.7	45.0
> 20 - 25	115.5	118.6	122.4	122.1	129.4	120.1	115.7
> 25 - 30	209.3	202.2	199.8	208.2	217.6	221.0	228.4
> 30 - 35	231.1	229.4	232.2	233.9	235.7	233.5	226.9
> 35 - 40	232.0	234.3	233.2	232.4	236.6	237.5	235.8
> 40 - 45	210.6	214.0	220.9	228.7	237.4	236.7	237.2
> 45 - 50	206.9	210.4	212.6	214.6	217.2	215.4	216.4
> 50 - 55	182.7	188.1	194.4	201.1	209.9	210.6	211.2
> 55 - 60	132.0	142.6	153.9	165.3	178.3	182.9	185.4
Over 60	136.2	153.3	173.5	198.6	232.1	251.8	272.2
Not specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source : Central Provident Fund Board

1 Refer to persons who have at least one contribution paid for them for the current or any of the preceding three months.
Data exclude self-employed persons who are not employees concurrently.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5327>

4.12 ACTIVE CENTRAL PROVIDENT FUND MEMBERS ¹ BY INDUSTRY

(End of Period)

Industry	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total	1,700.4	1,735.4	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3
Manufacturing	256.7	254.5	254.6	253.1	252.7	246.8	244.5
Construction	100.4	102.1	105.4	110.2	113.3	113.2	111.8
Services							
Wholesale & Retail Trade	258.1	264.9	273.9	286.0	305.0	298.1	293.0
Transport & Storage	109.5	110.8	114.7	119.1	123.4	124.3	126.1
Accommodation & Food Service Activities	98.8	101.1	108.9	116.9	125.9	129.3	133.0
Information & Communications	63.9	65.1	66.5	69.2	74.0	75.0	78.5
Financial & Insurance Activities	133.7	139.6	142.7	147.6	156.3	159.5	160.3
Real Estate Activities	45.3	45.1	45.8	46.8	53.9	49.7	48.8
Professional, Scientific & Technical Activities	126.8	130.2	137.0	146.0	159.6	162.4	163.7
Administrative & Support Service Activities	152.6	157.6	160.5	166.1	173.5	177.8	179.7
Other Service Activities	340.1	349.5	363.4	377.2	397.2	407.2	417.6
Others ²	14.4	15.0	15.5	16.2	16.3	16.0	17.3

Source : Central Provident Fund Board

Notes : Data prior to 2016 are classified according to the Singapore Standard Industrial Classification (SSIC) 2010.
Data from 2016 are classified according to the SSIC 2015.

1 Refer to persons who have at least one contribution paid for them for the current or any of the preceding three months.
Data exclude self-employed persons who are not employees concurrently.

2 Includes Agriculture, Fishing, Quarrying, Utilities, Sewage & Waste Management and Activities Not Adequately Defined.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5331>

4.13 EMPLOYMENT SERVICES

	Number		
	2014	2015	2016
New Registrants ¹	34,709	30,223	23,770
Males	16,201	16,070	12,857
Females	18,508	14,153	10,913
Placements ²	14,814	13,278	14,428
Males	8,067	7,437	8,022
Females	6,747	5,841	6,406

Source : Workforce Singapore (WSG)

Notes : Data are based on date of data entry.

Data prior to Oct 2016 were from Singapore Workforce Development Agency (WDA), which was reconstituted into Workforce Singapore (WSG) in Oct 2016.

WSG's career services were delivered through WSG's Careers Connect and National Trades Union Congress (NTUC)'s Employment and Employability Institute (e2i) centres.

1 Refers to the number of people who registered for employment and/or training assistance at WSG's Careers Connect and NTUC's e2i centres. Data are based on unique counts of jobseekers within the reference period.

2 Refers to the number of people who were placed into employment by WSG's Careers Connect and NTUC's e2i centres. This includes those who found their own jobs after receiving services from WSG's Careers Connect and NTUC's e2i centres. Data are based on unique counts of jobseekers within the reference period.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13750>

4.14 CHANGES IN VALUE ADDED PER WORKER BY INDUSTRY

Industry	Per Cent						
	2010	2011	2012	2013	2014	2015	2016
Total ¹	11.6	2.3	-0.1	0.9	-0.2	-0.2	1.0
Total (excluding Construction) ¹	11.9	2.2	0.2	1.7	-0.1	-0.3	1.0
Goods Producing Industries ²	25.0	5.7	-2.1	-2.7	0.8	-2.7	4.2
Manufacturing	32.2	7.9	-1.2	0.3	2.5	-2.7	7.1
Construction	4.0	2.2	2.7	-5.5	1.1	1.9	-0.5
Services Producing Industries ²	6.7	1.9	0.9	3.3	-0.4	0.0	-1.0
Wholesale & Retail Trade	12.9	3.1	1.5	4.4	-1.4	2.8	0.9
Transportation & Storage	4.6	1.3	1.4	-0.5	-0.3	-0.7	0.6
Accommodation & Food Services	9.4	4.6	-0.8	-1.7	-1.8	-2.3	-0.9
Information & Communications	1.4	-2.6	4.3	2.4	2.2	-6.0	-0.6
Finance & Insurance	6.4	1.2	1.5	13.9	4.8	2.2	-0.8
Business Services	3.0	2.2	-0.2	0.2	-3.9	-0.6	-3.1
Other Services Industries	7.3	0.5	-0.9	-0.9	-0.2	-2.3	0.0

Sources : Singapore Department of Statistics
 Manpower Research & Statistics Department, Ministry of Manpower

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

1 Based on Gross Domestic Product at 2010 Market Prices.

2 Based on Gross Value Added at 2010 Basic Prices.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12375>

4.15 MULTIFACTOR PRODUCTIVITY : CONTRIBUTIONS TO GROWTH IN REAL GDP ¹

	2010	2011	2012	2013	2014	2015	2016
Percentage Change in Real GDP	14.2	6.0	3.8	4.9	3.5	1.9	2.0
Percentage Contribution to Growth in Real GDP of :							
Capital Input	3.0	3.0	3.1	3.1	2.6	2.4	2.0
Labour Input	1.4	1.6	1.7	1.8	1.7	1.0	0.5
Multifactor Productivity Growth	9.8	1.4	-1.0	0.0	-0.8	-1.5	-0.5

1 All growth rates are expressed in log terms.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1408>

4.16 GROSS MONTHLY INCOME FROM WORK (INCLUDING EMPLOYER CPF) OF FULL-TIME EMPLOYED RESIDENTS

	2010	2011	2012	2013	2014	2015	2016
Median (50 th Percentile)	3,000	3,249	3,480	3,705	3,770	3,949	4,056
20 th Percentile	1,600	1,733	1,740	1,885	1,972	2,012	2,106

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data are for mid-year. As the income data are captured from a sample survey, the income changes for the 20th percentile nearer the end of the income spectrum tend to be more volatile over shorter (e.g. year-on-year) than longer periods (e.g. 5 or 10 years).

Gross monthly income from work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses.

For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.

Data exclude full-time National Servicemen.

Residents refer to Singapore citizens and permanent residents.

Full-time employment refers to employment where the normal hours of work is 35 hours or more in a week.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3761>

4.17 AVERAGE WEEKLY PAID HOURS WORKED PER EMPLOYEE BY INDUSTRY

Industry	Hours						
	2010	2011	2012	2013	2014	2015	2016
Total	46.2	46.2	46.2	46.2	46.0	45.6	45.5
Manufacturing	50.5	50.2	50.2	50.1	49.7	49.3	48.9
Construction	52.4	52.8	53.0	53.2	52.9	52.1	52.0
Wholesale & Retail Trade	43.8	43.7	43.6	43.2	43.1	43.0	42.7
Transportation & Storage	45.7	46.2	46.1	45.7	45.8	45.7	45.9
Accommodation & Food Services	41.2	41.6	42.1	43.0	42.0	41.5	42.0
Information & Communications	41.7	41.5	41.5	41.7	41.5	41.5	41.4
Financial & Insurance Services	41.4	41.2	41.2	41.2	41.1	41.1	41.1
Real Estate Services	44.7	44.6	44.5	44.6	44.5	44.8	45.0
Professional Services	43.0	43.1	43.6	43.6	43.1	42.9	43.3
Administrative & Support Services	48.7	48.5	48.5	47.5	47.3	46.4	46.6
Community, Social & Personal Services	42.0	42.1	42.1	42.1	42.0	42.1	42.1
Others ¹	46.3	45.8	45.7	45.7	45.6	45.6	45.7

Source : Labour Market Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
Data are based on Singapore Standard Industrial Classification 2010.

1 Includes Agriculture, Fishing, Quarrying, Utilities and Sewage & Waste Management.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2987>

4.18 AVERAGE MONTHLY RECRUITMENT RATE BY INDUSTRY AND OCCUPATIONAL GROUP

	Per Cent						
	2010	2011	2012	2013	2014	2015	2016
Total	2.8	2.7	2.8	2.7	2.6	2.4	2.2
Industry							
Manufacturing	2.0	2.0	1.9	1.9	1.8	1.6	1.6
Construction	2.5	2.8	3.4	3.3	2.6	2.5	2.1
Services	3.2	3.0	2.9	2.8	2.8	2.6	2.4
Wholesale & Retail Trade	3.6	3.2	3.4	3.5	3.1	2.7	2.5
Transportation & Storage	2.3	2.4	2.3	2.3	2.1	2.0	1.8
Accommodation & Food Services	4.7	4.9	4.6	4.6	4.7	4.5	3.9
Information & Communications	3.2	3.0	2.8	2.7	3.0	2.6	2.2
Financial & Insurance Services	2.7	2.4	1.9	2.1	2.2	2.0	1.9
Real Estate Services	3.9	4.1	4.1	3.6	3.8	3.5	3.5
Professional Services	2.7	2.8	2.9	2.5	2.3	2.2	2.3
Administrative & Support Services	4.8	4.9	4.6	4.8	5.2	4.7	4.4
Community, Social & Personal Services	2.3	1.9	1.8	1.6	1.6	1.6	1.4
Others ¹	2.0	2.1	2.4	2.2	2.1	1.6	1.3
Occupational Group							
Professionals, Managers, Executives & Technicians	2.2	2.1	1.9	1.9	1.9	1.8	1.6
Clerical, Sales & Service Workers	4.0	3.8	3.7	3.8	3.8	3.5	3.1
Production & Transport Operators, Cleaners & Labourers	2.7	2.8	3.1	3.1	2.9	2.6	2.5

Source : Labour Market Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data pertain to private sector establishments with at least 25 employees, and the public sector.
Data are classified according to the Singapore Standard Industrial Classification 2010.

¹ Includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3804>

4.19 AVERAGE MONTHLY RESIGNATION RATE BY INDUSTRY AND OCCUPATIONAL GROUP

	2010	2011	2012	2013	2014	2015	Per Cent 2016
Total	2.0	2.0	2.1	2.0	2.0	1.9	1.8
Industry							
Manufacturing	1.5	1.6	1.6	1.5	1.5	1.5	1.5
Construction	1.8	1.7	1.8	2.0	1.9	1.8	1.7
Services	2.3	2.2	2.3	2.2	2.2	2.0	1.9
Wholesale & Retail Trade	2.9	2.6	2.9	2.9	2.6	2.2	2.2
Transportation & Storage	1.6	1.6	1.6	1.7	1.7	1.5	1.4
Accommodation & Food Services	4.1	4.2	4.3	4.1	4.3	4.0	3.6
Information & Communications	2.1	1.9	2.0	2.0	1.8	1.8	1.7
Financial & Insurance Services	1.6	1.5	1.2	1.4	1.4	1.3	1.2
Real Estate Services	3.3	3.2	3.3	3.0	3.4	3.1	2.9
Professional Services	1.9	1.8	1.8	1.8	1.8	1.8	1.6
Administrative & Support Services	4.1	3.9	4.1	3.8	4.0	3.4	3.5
Community, Social & Personal Services	1.2	1.2	1.2	1.1	1.1	1.1	1.0
Others ¹	1.6	1.7	1.7	1.5	1.5	1.4	1.2
Occupational Group							
Professionals, Managers, Executives & Technicians	1.4	1.4	1.3	1.3	1.3	1.3	1.2
Clerical, Sales & Service Workers	3.1	3.0	3.1	3.1	3.1	2.8	2.7
Production & Transport Operators, Cleaners & Labourers	2.1	2.1	2.2	2.2	2.3	2.1	2.1

Source : Labour Market Survey, Manpower Research & Statistics Department, Ministry of Manpower

Notes : Data pertain to private sector establishments with at least 25 employees, and the public sector.
Data are classified according to the Singapore Standard Industrial Classification 2010.

1 Includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3806>

4.20 SINGAPORE WORKFORCE SKILLS QUALIFICATIONS (WSQ) TRAINEES BY AGE, HIGHEST QUALIFICATION ATTAINED, AND SEX

	Number					
	2011	2012	2013	2014	2015	2016
Total	192,249	198,322	231,009	267,423	267,851	289,669
Age Group						
Below 20	10,860	11,575	13,641	14,221	18,186	13,511
20 - 29	37,056	40,260	45,947	52,170	55,239	56,649
30 - 39	44,643	46,722	52,223	56,622	56,124	57,846
40 - 49	44,489	43,950	50,793	56,065	53,543	58,178
50 - 59	38,461	37,916	45,233	54,096	50,145	56,536
60 - 69	13,560	14,812	18,990	27,614	27,712	36,786
70 & Over	3,180	3,087	4,182	6,635	6,902	10,193
Highest Qualification Attained ¹						
Below Primary	5,695	5,531	8,863	12,074	16,191	16,449
Primary	28,343	28,516	26,391	33,538	25,143	25,802
Lower Secondary	27,824	22,120	26,606	30,313	28,015	31,496
Secondary	54,012	55,977	60,134	64,020	60,722	64,053
Post-Secondary	12,663	17,318	20,601	21,856	25,346	27,758
Professional and WSQ Diploma	8,624	9,620	10,744	14,030	12,370	14,618
Polytechnic Diploma	17,224	19,790	24,144	26,612	31,126	32,119
Degree and Above	23,926	27,144	34,032	45,011	48,409	56,296
Others / Not Reported	13,938	12,306	19,494	19,969	20,529	21,108
Sex						
Female	98,582	101,438	109,391	120,818	122,375	133,957
Male	90,364	95,154	119,170	144,166	143,254	154,007
Not Reported	3,303	1,730	2,448	2,439	2,222	1,735

Source : SkillsFuture Singapore (SSG)

Notes : Prior to Oct 2016, data were from the Singapore Workforce Development Agency (WDA). With effect from Oct 2016, data are from SkillsFuture Singapore (SSG). SSG is a statutory board under the Ministry of Education (MOE). It is formed to drive and coordinate the implementation of SkillsFuture. In Oct 2016, SSG took over some of the functions performed by WDA and absorbed the Council for Private Education (CPE), which was a statutory board under MOE.

The Singapore Workforce Skills Qualifications (WSQ) is a national credential system that trains, develops, assesses and certifies skills and competencies for the workforce. Training programmes developed under the WSQ system are based on skills and competencies validated by employers, unions and professional bodies. WSQ emphasizes flexible competency-based adult learning, open access to skills upgrading and clear career progression pathways for workers to upgrade their skills.

Data are based on calendar year and pertain to local WSQ trainees who have attained at least one WSQ Statement of Attainment.

¹ Data are classified according to the Singapore Standard Educational Classification 2010.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5333>

4.21 SINGAPORE WORKFORCE SKILLS QUALIFICATIONS (WSQ) TRAINEES BY LEVEL OF WSQ STATEMENT OF ATTAINMENT

	Number					
	2011	2012	2013	2014	2015	2016
Number of WSQ trainees	192,249	198,322	231,009	267,423	267,851	289,669
Level of WSQ Statement of Attainment						
Certificate	147,901	155,148	164,867	188,700	190,861	203,596
Higher Certificate	11,678	7,294	11,146	10,728	13,515	15,743
Advanced Certificate	48,433	31,628	45,699	55,944	51,517	60,041
Diploma	23,363	19,771	32,873	36,117	36,428	41,918
Specialist Diploma	5,417	5,760	7,604	8,790	8,435	9,514
Graduate Certificate	1,029	751	784	756	492	580
Graduate Diploma	390	393	550	738	848	980

Source : SkillsFuture Singapore (SSG)

Notes : Prior to Oct 2016, data were from the Singapore Workforce Development Agency (WDA). With effect from Oct 2016, data are from SkillsFuture Singapore (SSG). SSG is a statutory board under the Ministry of Education (MOE). It is formed to drive and coordinate the implementation of SkillsFuture. In Oct 2016, SSG took over some of the functions performed by WDA and absorbed the Council for Private Education (CPE), which was a statutory board under MOE.

Data pertain to local WSQ trainees who have attained at least one WSQ Statement of Attainment.

Data for each certification level are based on unique headcounts. That is, a trainee with more than one WSQ Statement of Attainment of the same certification level is counted once. A trainee with more than one WSQ Statement of Attainment at different certification levels is counted once in each certification level.

Data are based on calendar year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5334>

4.22 TRADE UNIONS AND MEMBERSHIP

(End of Period)

							Number
	2010	2011	2012	2013	2014	2015	2016
Employee Class							
Unions	65	65	66	64	65	64	63
Members	549,878	588,014	613,418	655,126	686,676	718,723	740,750
Employer Class							
Unions	3	3	3	3	3	3	3
Members	2,529	2,306	2,288	3,074	3,312	3,365	3,489

Source : Ministry of Manpower

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=3398>

4.23 LABOUR RELATIONS

							Number
	2010	2011	2012	2013	2014	2015	2016
Trade Disputes	121	159	164	136	106	119	112
Wage Increase and Conditions of Service	57	76	92	83	66	72	62
Retrenchment Benefits	12	15	11	18	15	18	27
Bonus or Gratuity	13	17	19	10	5	11	6
Other Industrial Matters ¹	39	51	42	25	20	18	17
Cases Referred to IAC ^{2,3}	15	19	7	4	8	0	2
IAC Awards ³	11	11	4	2	1	0	0
Industrial Stoppages ⁴	0	0	1	0	0	0	0

Source : Ministry of Manpower (MOM)

1 Examples include sales, commission and shift allowances.

2 IAC refers to the Industrial Arbitration Court.

3 From 2012, "Cases referred to IAC" and "IAC Awards" pertain only to disputes and exclude those for variation of collective agreement jointly filed by the union and employer.

4 Refers to cases reported to and handled by the Labour Relations & Workplaces Division of MOM. Data include both strikes and lockouts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=3397>

5



National Accounts

5

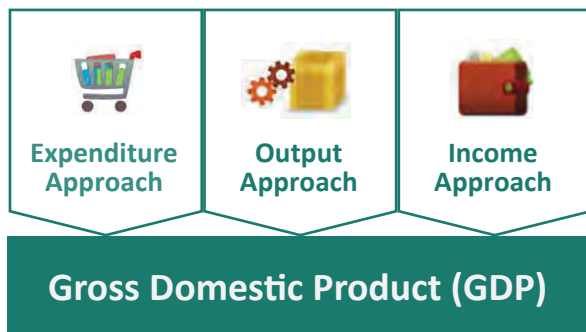
National Accounts



National Income Estimates



The output, expenditure and income approaches are adopted for compiling the national income aggregates of Singapore. The concepts, definitions and methodology given in the United Nations' publication "System of National Accounts, 2008" are closely followed.



Definitions



Gross National Income (GNI): Refers to the aggregate value of the gross balances of primary incomes (incomes arising from the involvement in production processes or ownership of assets that may be needed for production) receivable by resident units.

Gross Domestic Product (GDP): Refers to the aggregate value of the goods and services produced in the economic territory of Singapore.

Output-based GDP: Refers to the sum of gross value added generated by economic activities in the domestic economy.

Expenditure on GDP: Refers to the sum of private consumption expenditure of households including non-profit institutions serving households, government consumption expenditure, gross capital formation and net exports.

Income Components of GDP: Refers to the sum of incomes generated from the domestic

production of goods and services, which include compensation of employees, gross operating surplus and taxes less subsidies on production and on imports.

Valuation of GDP Estimates: GDP estimates are valued at market prices, that is, the prices actually paid by the purchaser.

GDP at Constant Prices: In order to compare the real value of output/expenditure over time, it is necessary to remove the effect of price changes. This is achieved by selecting the price structure of 2010 as the base according to which the goods and services in other years are revalued. The resulting aggregates after adjustment for price changes are known as constant-price estimates.

GDP Deflators: They provide a broad measure of the change in the overall level of prices of the goods and services that make up GDP between the base year 2010 and any other period. The deflators are derived as the ratio of the current price value of a component of GDP to its corresponding constant price value, with the base year index set at 100.

With the availability of more comprehensive and up-to-date information, the estimates have been revised, especially for the last two years.

Other References



The "Singapore System of National Accounts, 1995", published by the Singapore Department of Statistics, contains the detailed methodology used to compile Singapore's national accounts.

Information on the adoption of basic price is available in the information paper "[Rebasing of the Singapore System of National Accounts to Reference Year 1995](#)".

National Accounts ■



Information on the capitalisation of software expenditure can be found in the Information paper [“Rebasing of Singapore’s National Accounts to Reference Year 2000”](#).

The revised methodology for the measurement and allocation of implicit charges for financial services and other methodological and classification changes are described in the information paper [“Rebasing of Singapore’s National Accounts to Reference Year 2005”](#).

The implementation of capitalisation of research and development expenditure in the national accounts is elaborated in the information paper [“Rebasing of Singapore’s National Accounts to Reference Year 2010”](#).

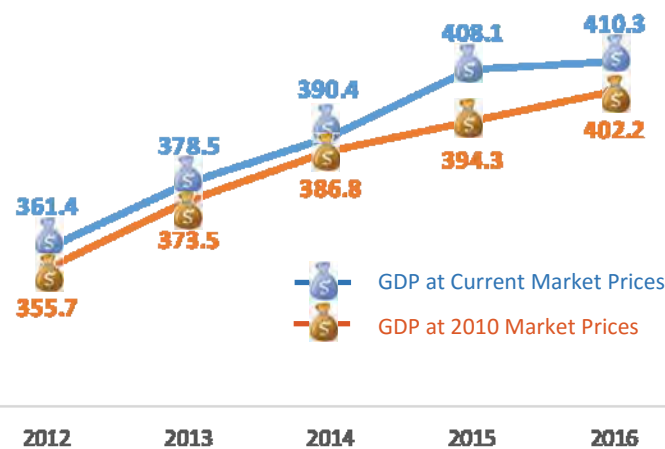
Analyses on Singapore’s national income may be found in the [“Economic Survey of Singapore”](#), published by the Ministry of Trade and Industry.

Key Indicators

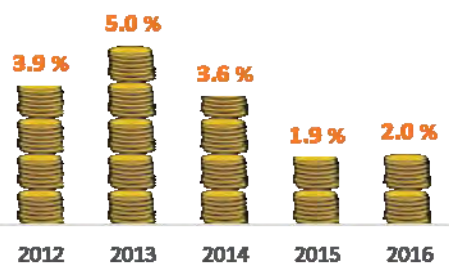


Gross Domestic Product (GDP)

Billion Dollars



Percentage Change in Real GDP



Per Capita GDP
at Current Market Prices
2016

\$73,167

5.1 OUTPUT, SAVING AND INVESTMENT

(At Current Market Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Gross National Income							
Gross National Income	320,526.6	337,393.9	348,075.6	366,053.2	380,423.3	389,940.7	397,152.7
Gross Domestic Product	322,361.1	346,649.0	361,365.9	378,531.6	390,447.7	408,096.6	410,271.9
Net Income from Abroad	-1,834.5	-9,255.1	-13,290.3	-12,478.4	-10,024.4	-18,155.9	-13,119.2
Generation of Gross National Saving							
Gross National Saving	166,595.3	170,836.4	170,774.2	179,423.2	188,879.2	183,153.0	182,033.4
Gross Domestic Saving	175,004.6	187,593.3	192,586.9	200,045.2	207,728.8	215,028.0	210,143.1
Gross Domestic Product	322,361.1	346,649.0	361,365.9	378,531.6	390,447.7	408,096.6	410,271.9
Less : Private & Government Consumption Expenditure	147,356.5	157,575.9	165,930.1	176,781.2	182,456.6	193,658.2	196,099.2
Statistical Discrepancy	0.0	-1,479.8	-2,848.9	-1,705.2	-262.3	589.6	-4,029.6
Net Income from Abroad	-1,834.5	-9,255.1	-13,290.3	-12,478.4	-10,024.4	-18,155.9	-13,119.2
Net Current Transfers from Abroad	-6,574.8	-7,501.8	-8,522.4	-8,143.6	-8,825.2	-13,719.1	-14,990.5
Finance of Gross Capital Formation							
Gross Capital Formation	91,028.3	94,056.7	107,975.2	115,396.3	111,818.6	109,246.7	103,974.5
Gross National Saving	166,595.3	170,836.4	170,774.2	179,423.2	188,879.2	183,153.0	182,033.4
Net Borrowing from/Lending (-) to Abroad & Net Capital Transfers from Abroad	-75,567.0	-76,779.7	-62,799.0	-64,026.9	-77,060.6	-73,906.3	-78,058.9

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1436>

5.2 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	2010	2011	2012	2013	2014	2015	2016
At Current Market Prices							
GDP at Current Market Prices	322,361.1	346,649.0	361,365.9	378,531.6	390,447.7	408,096.6	410,271.9
Goods Producing Industries	84,230.3	85,981.0	89,813.7	88,420.9	94,560.3	100,516.0	100,491.7
Manufacturing	65,039.8	65,901.1	67,869.5	65,837.0	69,573.6	74,790.0	75,295.7
Construction	14,221.2	14,811.6	16,450.5	17,201.0	19,341.1	19,897.2	19,346.2
Utilities	4,850.9	5,148.4	5,373.2	5,253.5	5,499.0	5,686.6	5,709.2
Other Goods Industries ¹	118.4	119.9	120.5	129.4	146.6	142.2	140.6
Services Producing Industries	208,683.4	226,980.0	235,504.7	251,757.3	257,418.8	266,346.1	266,525.0
Wholesale & Retail Trade	58,449.2	66,597.8	64,807.0	66,070.1	59,985.8	56,975.8	54,618.7
Transportation & Storage	25,422.8	22,222.7	23,660.9	24,666.9	27,075.3	29,690.0	29,198.0
Accommodation & Food Services	5,921.2	6,986.0	7,504.3	7,818.6	8,249.2	8,392.9	8,602.8
Information & Communications	11,072.5	12,356.9	13,429.9	14,543.4	15,538.2	15,610.6	16,265.2
Finance & Insurance	33,154.2	35,295.4	37,289.7	42,292.2	45,773.9	49,902.6	50,242.4
Business Services	42,119.3	47,661.1	51,309.6	56,139.2	58,199.8	61,082.0	60,584.1
Other Services Industries	32,544.2	35,860.1	37,503.3	40,226.9	42,596.6	44,692.2	47,013.8
Ownership of Dwellings	11,514.3	13,797.2	14,992.0	16,308.8	16,861.9	17,177.2	16,819.9
Gross Value Added at Basic Prices	304,428.0	326,758.2	340,310.4	356,487.0	368,841.0	384,039.3	383,836.6
Add : Taxes on Products	17,933.1	19,890.8	21,055.5	22,044.6	21,606.7	24,057.3	26,435.3
At 2010 Market Prices							
GDP at 2010 Market Prices	322,361.1	342,426.2	355,683.1	373,471.5	386,812.9	394,288.6	402,159.8
Goods Producing Industries	84,230.3	90,130.2	92,163.3	93,964.1	97,147.3	94,161.0	96,783.6
Manufacturing	65,039.8	70,118.3	70,342.3	71,517.4	73,436.8	69,671.2	72,177.3
Construction	14,221.2	14,948.1	16,655.0	17,162.6	18,292.2	19,009.6	19,038.6
Utilities	4,850.9	4,943.0	5,040.7	5,153.2	5,269.8	5,337.0	5,426.5
Other Goods Industries ¹	118.4	120.8	125.3	130.9	148.5	143.2	141.2
Services Producing Industries	208,683.4	223,163.4	233,546.3	250,381.9	260,129.9	268,437.1	271,127.4
Wholesale & Retail Trade	58,449.2	62,433.0	65,163.2	69,613.6	70,945.1	73,571.9	74,049.3
Transportation & Storage	25,422.8	26,683.4	28,018.6	29,155.8	30,031.6	30,526.8	31,217.5
Accommodation & Food Services	5,921.2	6,556.1	6,755.1	6,967.8	7,124.7	7,174.5	7,295.3
Information & Communications	11,072.5	11,970.8	12,904.5	13,933.3	14,965.8	14,875.8	15,215.5
Finance & Insurance	33,154.2	36,052.4	38,179.8	44,760.6	48,837.4	51,622.0	51,962.6
Business Services	42,119.3	45,440.1	47,621.7	50,303.9	51,203.4	53,195.7	52,741.7
Other Services Industries	32,544.2	34,027.6	34,903.4	35,646.9	37,021.9	37,470.4	38,645.5
Ownership of Dwellings	11,514.3	11,618.5	11,928.5	12,229.9	12,680.0	13,300.7	13,976.3
Gross Value Added at Basic Prices	304,428.0	324,912.1	337,638.1	356,575.9	369,957.2	375,898.8	381,887.3
Add : Taxes on Products	17,933.1	17,514.1	18,045.0	16,895.6	16,855.7	18,389.8	20,272.5

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.
As the constant price series are chain-linked at the base year, they are not additive prior to the base year.

1 Comprise Agriculture, Fishing and Quarrying.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12360>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12359>

5.3 EXPENDITURE ON GROSS DOMESTIC PRODUCT

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
	At Current Market Prices						
Total	322,361.1	346,649.0	361,365.9	378,531.6	390,447.7	408,096.6	410,271.9
Private Consumption Expenditure	114,518.5	124,170.9	132,769.0	138,775.4	143,450.6	150,263.6	149,824.7
Government Consumption Expenditure	32,838.0	33,405.0	33,161.1	38,005.8	39,006.0	43,394.6	46,274.5
Gross Fixed Capital Formation	84,224.8	88,410.2	96,642.8	104,910.2	104,382.6	106,396.1	102,014.5
Changes in Inventories	6,803.5	5,646.5	11,332.4	10,486.1	7,436.0	2,850.6	1,960.0
Net Exports of Goods & Services	83,976.3	93,536.6	84,611.7	84,648.9	95,910.2	105,781.3	106,168.6
Exports of Goods & Services	643,908.1	704,697.4	712,567.6	734,970.8	755,251.6	726,136.0	706,277.3
Less : Imports of Goods & Services	559,931.8	611,160.8	627,955.9	650,321.9	659,341.4	620,354.7	600,108.7
Statistical Discrepancy	0.0	1,479.8	2,848.9	1,705.2	262.3	-589.6	4,029.6
	At 2010 Market Prices						
Total	322,361.1	342,426.2	355,683.1	373,471.5	386,812.9	394,288.6	402,159.8
Private Consumption Expenditure	114,518.5	119,308.0	123,770.2	127,911.0	130,949.9	136,961.5	137,744.1
Government Consumption Expenditure	32,838.0	32,090.0	31,611.4	35,250.9	35,296.2	38,113.9	40,518.4
Gross Fixed Capital Formation	84,224.8	88,572.5	95,841.7	101,322.9	100,214.1	101,302.3	98,722.3
Changes in Inventories	6,803.5	5,364.6	10,896.2	10,353.1	7,474.5	3,178.9	2,304.0
Net Exports of Goods & Services	83,976.3	97,757.3	92,997.3	97,784.1	107,966.3	109,068.7	119,704.1
Exports of Goods & Services	643,908.1	685,438.2	695,358.6	735,806.4	765,114.1	785,237.0	797,867.5
Less : Imports of Goods & Services	559,931.8	587,680.9	602,361.3	638,022.3	657,147.8	676,168.3	678,163.4
Statistical Discrepancy	0.0	-666.2	566.3	849.5	4,911.9	5,663.3	3,166.9

Notes : As the constant price series are chain-linked at the base year, they are not additive prior to the base year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1429>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1427>

5.4 PRIVATE CONSUMPTION EXPENDITURE

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
At Current Market Prices							
Total	114,518.5	124,170.9	132,769.0	138,775.4	143,450.6	150,263.6	149,824.7
Food & Non-Alcoholic Beverages	8,404.4	8,965.3	9,584.2	10,029.4	10,178.7	10,410.5	10,437.6
Alcoholic Beverages & Tobacco	2,462.1	2,591.6	2,729.5	2,784.6	2,983.1	3,081.3	3,108.1
Clothing & Footwear	3,212.7	3,633.9	3,921.5	4,153.0	4,197.3	4,236.5	4,240.0
Housing & Utilities	19,219.5	21,834.7	24,303.9	25,761.0	26,755.4	26,896.9	26,400.0
Furnishings, Household Equipment & Routine Household Maintenance	6,778.2	7,197.0	7,581.2	7,537.2	7,551.2	7,663.1	7,789.5
Health	7,796.1	8,185.4	8,893.5	9,579.5	10,061.9	10,660.1	11,653.5
Transport	15,587.2	16,126.5	16,880.1	16,006.1	16,753.0	19,816.2	21,739.9
Communication	3,062.8	3,312.5	3,533.2	3,437.3	3,482.1	3,510.8	3,418.1
Recreation & Culture	15,466.4	18,072.9	17,705.7	17,817.8	17,926.4	17,039.2	16,289.7
Education	4,201.4	4,532.9	5,018.4	5,478.8	5,934.0	6,107.0	6,490.4
Food Serving Services	7,767.2	8,536.9	9,281.7	9,889.1	10,372.9	10,555.6	10,558.0
Accommodation Services	2,662.8	3,421.1	3,628.2	3,670.1	3,884.0	3,929.9	4,041.1
Miscellaneous Goods & Services	17,337.7	19,188.1	20,600.7	22,719.0	23,501.3	25,406.8	25,206.1
Add : Residents' Expenditure Abroad	20,020.8	21,261.5	22,736.4	24,096.3	24,263.1	23,882.7	24,027.5
Less : Non-residents' Expenditure Locally	19,460.8	22,689.4	23,629.2	24,183.8	24,393.8	22,933.0	25,574.8
At 2010 Market Prices							
Total	114,518.5	119,308.0	123,770.2	127,911.0	130,949.9	136,961.5	137,744.1
Food & Non-Alcoholic Beverages	8,404.4	8,669.8	9,083.7	9,311.4	9,231.1	9,338.2	9,200.1
Alcoholic Beverages & Tobacco	2,462.1	2,566.2	2,681.0	2,725.3	2,770.2	2,832.8	2,860.1
Clothing & Footwear	3,212.7	3,636.7	3,861.7	4,076.8	4,141.6	4,192.8	4,174.3
Housing & Utilities	19,219.5	19,356.9	19,762.6	20,175.8	20,757.5	21,660.6	22,701.8
Furnishings, Household Equipment & Routine Household Maintenance	6,778.2	6,919.9	7,054.6	6,973.0	6,872.3	6,960.8	6,973.3
Health	7,796.1	7,971.5	8,246.5	8,557.9	8,782.6	9,293.2	9,999.9
Transport	15,587.2	14,766.7	14,700.1	13,799.2	14,475.4	17,323.2	19,541.1
Communication	3,062.8	3,445.1	3,708.9	3,701.1	3,779.7	3,819.3	3,730.5
Recreation & Culture	15,466.4	17,611.9	16,958.1	16,822.7	16,732.2	15,942.8	15,200.3
Education	4,201.4	4,383.4	4,677.9	4,902.2	5,181.0	5,113.4	5,234.5
Food Serving Services	7,767.2	8,300.7	8,816.7	9,208.6	9,361.5	9,319.1	9,179.9
Accommodation Services	2,662.8	3,098.4	3,099.5	3,172.7	3,256.0	3,314.2	3,417.8
Miscellaneous Goods & Services	17,337.7	18,980.5	20,146.9	22,600.0	23,349.3	24,018.9	23,267.5
Add : Residents' Expenditure Abroad	20,020.8	21,277.9	22,762.8	24,010.3	24,145.1	24,482.5	25,232.4
Less : Non-residents' Expenditure Locally	19,460.8	21,677.6	21,790.8	22,126.0	21,885.6	20,650.3	22,969.4

Notes : As the constant price series are chain-linked at the base year, they are not additive prior to the base year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1432>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1431>

5.5 GROSS FIXED CAPITAL FORMATION

(At Current Market Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total							
Total	84,224.8	88,410.2	96,642.8	104,910.2	104,382.6	106,396.1	102,014.5
Construction & Works	43,522.2	45,906.0	50,637.5	55,927.6	56,639.6	56,785.5	53,329.3
Residential Buildings	20,796.8	21,677.1	24,672.5	28,656.0	28,324.2	27,281.6	22,852.3
Non-residential Buildings	15,646.2	16,906.2	18,449.0	19,790.6	19,655.8	19,492.8	19,919.7
Other Construction & Works	7,079.2	7,322.7	7,516.0	7,481.0	8,659.6	10,011.1	10,557.3
Transport Equipment	7,253.6	7,663.2	9,003.7	7,052.8	6,916.0	8,705.2	7,906.8
Machinery & Equipment	21,188.5	21,593.6	22,516.8	21,618.6	21,048.2	21,304.4	20,801.5
Intellectual Property Products	12,260.5	13,247.4	14,484.8	20,311.2	19,778.8	19,601.0	19,976.9
Public							
Total	14,013.0	15,062.7	16,476.3	16,597.6	19,289.0	20,881.4	22,145.2
Construction & Works	11,743.1	12,730.8	13,628.9	14,082.1	16,275.9	17,472.1	18,689.0
Residential Buildings	3,487.2	3,467.5	4,118.3	4,857.5	5,477.2	5,703.9	4,917.7
Non-residential Buildings	2,500.9	3,417.7	3,534.7	3,494.4	4,300.0	4,271.5	5,439.1
Other Construction & Works	5,755.0	5,845.6	5,975.9	5,730.2	6,498.7	7,496.7	8,332.2
Transport Equipment	48.3	44.5	101.1	65.0	263.8	233.5	235.3
Machinery & Equipment	651.5	770.5	942.7	681.6	694.2	1,016.6	976.5
Intellectual Property Products	1,570.1	1,516.9	1,803.6	1,768.9	2,055.1	2,159.2	2,244.4
Private							
Total	70,211.8	73,347.5	80,166.5	88,312.6	85,093.6	85,514.7	79,869.3
Construction & Works	31,779.1	33,175.2	37,008.6	41,845.5	40,363.7	39,313.4	34,640.3
Residential Buildings	17,309.6	18,209.6	20,554.2	23,798.5	22,847.0	21,577.7	17,934.6
Non-residential Buildings	13,145.3	13,488.5	14,914.3	16,296.2	15,355.8	15,221.3	14,480.6
Other Construction & Works	1,324.2	1,477.1	1,540.1	1,750.8	2,160.9	2,514.4	2,225.1
Transport Equipment	7,205.3	7,618.7	8,902.6	6,987.8	6,652.2	8,471.7	7,671.5
Machinery & Equipment	20,537.0	20,823.1	21,574.1	20,937.0	20,354.0	20,287.8	19,825.0
Intellectual Property Products	10,690.4	11,730.5	12,681.2	18,542.3	17,723.7	17,441.8	17,732.5

(continued on the next page)

Notes : As the constant price series are chain-linked at the base year, they are not additive prior to the base year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1418>

5.5 GROSS FIXED CAPITAL FORMATION *(continued)*

(At 2010 Market Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total							
Total	84,224.8	88,572.5	95,841.7	101,322.9	100,214.1	101,302.3	98,722.3
Construction & Works	43,522.2	45,320.6	49,119.0	52,129.2	52,123.0	52,442.3	50,598.5
Residential Buildings	20,796.8	21,217.4	23,645.7	26,072.3	25,961.2	25,292.1	21,505.8
Non-residential Buildings	15,646.2	16,750.1	17,938.1	18,762.2	17,978.1	17,743.6	18,849.7
Other Construction & Works	7,079.2	7,353.1	7,535.2	7,294.7	8,183.7	9,406.6	10,243.0
Transport Equipment	7,253.6	7,808.9	8,995.0	6,909.7	6,635.8	8,074.0	7,417.9
Machinery & Equipment	21,188.5	22,585.9	23,818.1	23,603.4	23,347.0	23,169.3	22,802.2
Intellectual Property Products	12,260.5	12,857.1	13,909.6	18,680.6	18,108.3	17,616.7	17,903.7
Public							
Total	14,013.0	15,351.5	17,041.3	17,032.7	19,014.9	20,417.7	22,255.4
Construction & Works	11,743.1	13,044.1	14,233.5	14,606.8	16,130.9	17,182.3	18,988.4
Residential Buildings	3,487.2	3,674.8	4,590.4	5,359.6	5,784.3	5,992.6	5,431.3
Non-residential Buildings	2,500.9	3,457.1	3,583.8	3,503.4	4,120.3	4,060.1	5,362.0
Other Construction & Works	5,755.0	5,912.2	6,059.3	5,743.8	6,226.3	7,129.6	8,195.1
Transport Equipment	48.3	43.5	104.3	67.1	281.2	243.6	245.9
Machinery & Equipment	651.5	795.4	971.8	726.0	721.7	1,052.2	1,012.2
Intellectual Property Products	1,570.1	1,468.5	1,731.7	1,632.8	1,881.1	1,939.6	2,008.9
Private							
Total	70,211.8	73,221.0	78,800.4	84,290.2	81,199.2	80,884.6	76,466.9
Construction & Works	31,779.1	32,276.5	34,885.5	37,522.4	35,992.1	35,260.0	31,610.1
Residential Buildings	17,309.6	17,542.6	19,055.3	20,712.7	20,176.9	19,299.5	16,074.5
Non-residential Buildings	13,145.3	13,293.0	14,354.3	15,258.8	13,857.8	13,683.5	13,487.7
Other Construction & Works	1,324.2	1,440.9	1,475.9	1,550.9	1,957.4	2,277.0	2,047.9
Transport Equipment	7,205.3	7,765.4	8,890.7	6,842.6	6,354.6	7,830.4	7,172.0
Machinery & Equipment	20,537.0	21,790.5	22,846.3	22,877.4	22,625.3	22,117.1	21,790.0
Intellectual Property Products	10,690.4	11,388.6	12,177.9	17,047.8	16,227.2	15,677.1	15,894.8

Notes : As the constant price series are chain-linked at the base year, they are not additive prior to the base year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1416>

5.6 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY

(2010 = 100)

Industry	2010	2011	2012	2013	2014	2015	2016
GDP at Market Prices	100.0	101.2	101.6	101.4	100.9	103.5	102.0
Goods Producing Industries	100.0	95.4	97.5	94.1	97.3	106.7	103.8
Manufacturing	100.0	94.0	96.5	92.1	94.7	107.3	104.3
Construction	100.0	99.1	98.8	100.2	105.7	104.7	101.6
Utilities	100.0	104.2	106.6	101.9	104.3	106.6	105.2
Other Goods Industries ¹	100.0	99.3	96.2	98.9	98.7	99.3	99.6
Services Producing Industries	100.0	101.7	100.8	100.5	99.0	99.2	98.3
Wholesale & Retail Trade	100.0	106.7	99.5	94.9	84.6	77.4	73.8
Transportation & Storage	100.0	83.3	84.4	84.6	90.2	97.3	93.5
Accommodation & Food Services	100.0	106.6	111.1	112.2	115.8	117.0	117.9
Information & Communications	100.0	103.2	104.1	104.4	103.8	104.9	106.9
Finance & Insurance	100.0	97.9	97.7	94.5	93.7	96.7	96.7
Business Services	100.0	104.9	107.7	111.6	113.7	114.8	114.9
Other Services Industries	100.0	105.4	107.4	112.8	115.1	119.3	121.7
Ownership of Dwellings	100.0	118.8	125.7	133.4	133.0	129.1	120.3
Gross Value Added at Basic Prices	100.0	100.6	100.8	100.0	99.7	102.2	100.5
Add : Taxes on Products	100.0	113.6	116.7	130.5	128.2	130.8	130.4

Notes : Data on industry are classified according to the Singapore Standard Industrial Classification 2015.

1 Comprise Agriculture, Fishing and Quarrying.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12366>

5.7 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT

(2010 = 100)

	2010	2011	2012	2013	2014	2015	2016
Total	100.0	101.2	101.6	101.4	100.9	103.5	102.0
Private Consumption Expenditure	100.0	104.1	107.3	108.5	109.5	109.7	108.8
Government Consumption	100.0	104.1	104.9	107.8	110.5	113.9	114.2
Gross Fixed Capital Formation	100.0	99.8	100.8	103.5	104.2	105.0	103.3
Exports of Goods & Services	100.0	102.8	102.5	99.9	98.7	92.5	88.5
Imports of Goods & Services	100.0	104.0	104.2	101.9	100.3	91.7	88.5

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1430>

5.8 INCOME COMPONENTS OF GROSS DOMESTIC PRODUCT

(At Current Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
GDP at Current Market Prices	322,361.1	346,649.0	361,365.9	378,531.6	390,447.7	408,096.6	410,271.9
Compensation of Employees	126,072.6	135,948.7	144,969.3	155,421.5	167,015.6	176,819.6	182,977.0
Gross Operating Surplus	173,898.6	185,150.1	189,083.2	193,002.4	194,078.6	200,158.8	193,475.8
Taxes Less Subsidies on Production & Imports	22,389.9	26,530.9	28,103.1	29,581.4	29,449.5	31,217.5	34,599.6
Other Taxes Less Subsidies on Production	4,456.8	6,640.1	7,047.6	7,536.8	7,842.8	7,160.2	8,164.3
Taxes on Products	17,933.1	19,890.8	21,055.5	22,044.6	21,606.7	24,057.3	26,435.3
Statistical Discrepancy	0.0	-980.7	-789.7	526.3	-96.0	-99.3	-780.5

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4254>

5.9 GROSS OPERATING SURPLUS BY INDUSTRY

(At Current Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	173,898.6	185,150.1	189,083.2	193,002.4	194,078.6	200,158.8	193,475.8
Manufacturing	44,190.2	44,272.9	45,311.6	41,468.1	44,295.1	49,611.2	50,471.7
Construction	5,700.4	5,423.5	5,380.6	5,124.1	4,970.5	4,580.2	3,837.6
Utilities	3,608.5	3,970.2	4,053.0	3,812.2	3,903.7	3,996.6	3,925.7
Other Goods Industries ¹	49.1	49.7	51.6	59.1	59.4	61.6	59.2
Wholesale & Retail Trade	38,281.8	45,006.0	42,612.7	41,932.3	35,160.3	30,871.4	27,437.0
Transportation & Storage	16,312.3	12,463.8	13,128.5	13,547.9	15,152.6	17,135.0	15,943.1
Accommodation & Food Services	2,533.8	3,183.2	3,300.0	3,303.0	3,488.7	3,489.9	3,525.2
Information & Communications	4,662.7	5,431.9	5,805.3	6,432.0	6,668.2	6,305.5	6,118.5
Finance & Insurance	16,527.7	17,095.3	17,790.8	21,886.1	22,972.6	25,483.1	25,529.4
Business Services	23,194.6	26,320.8	28,678.7	31,295.6	32,450.8	33,578.2	31,853.0
Other Services Industries	7,971.9	8,839.3	8,740.2	8,703.3	9,073.0	8,856.3	8,922.0
Ownership of Dwellings	10,865.6	13,093.5	14,230.2	15,438.7	15,883.7	16,189.8	15,853.4

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

1 Comprise Agriculture, Fishing and Quarrying.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4253>

5.10 COMPENSATION OF EMPLOYEES BY INDUSTRY

(At Current Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	126,072.6	135,948.7	144,969.3	155,421.5	167,015.6	176,819.6	182,977.0
Manufacturing	20,585.5	21,510.9	22,124.6	23,220.4	24,407.4	24,650.8	24,345.8
Construction	7,827.0	8,484.7	9,537.7	10,559.6	11,682.9	12,387.0	12,884.3
Utilities	999.9	1,036.4	1,127.8	1,259.1	1,378.2	1,448.2	1,543.9
Other Goods Industries ¹	60.2	61.0	62.5	61.1	63.8	66.3	67.3
Wholesale & Retail Trade	19,536.2	20,996.3	22,061.5	23,016.2	24,306.7	25,458.8	26,124.4
Transportation & Storage	8,697.7	9,230.7	9,961.9	10,574.2	11,407.0	12,131.0	12,695.1
Accommodation & Food Services	3,231.0	3,629.2	3,952.5	4,230.5	4,513.6	4,759.0	4,940.0
Information & Communications	6,215.2	6,835.3	7,579.5	8,021.1	8,891.3	9,475.3	9,981.6
Finance & Insurance	16,487.4	18,184.3	19,476.9	20,789.7	22,845.5	24,820.9	25,404.1
Business Services	18,366.8	19,685.9	21,333.4	23,275.2	24,881.0	26,639.7	28,030.8
Other Services Industries	24,065.7	26,294.0	27,751.0	30,414.4	32,638.2	34,982.6	36,959.7

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

1 Comprise Agriculture, Fishing and Quarrying.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4255>

5.11 OTHER TAXES LESS SUBSIDIES ON PRODUCTION BY INDUSTRY

(At Current Prices)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	4,456.8	6,640.1	7,047.6	7,536.8	7,842.8	7,160.2	8,164.3
Manufacturing	582.2	979.9	917.9	1,020.1	1,139.1	1,054.2	1,120.3
Construction	490.5	657.2	1,037.7	1,493.2	1,857.2	2,027.7	2,180.4
Utilities	170.7	217.3	169.0	205.3	196.7	197.7	209.0
Other Goods Industries ¹	9.1	11.2	11.8	12.8	13.6	13.5	14.6
Wholesale & Retail Trade	267.9	474.6	436.6	350.9	303.9	132.6	284.0
Transportation & Storage	493.7	668.7	612.9	577.0	534.2	437.9	531.1
Accommodation & Food Services	156.8	266.0	314.3	313.7	248.8	222.9	314.5
Information & Communications	121.3	176.7	189.0	161.6	173.6	140.4	175.6
Finance & Insurance	38.0	134.5	139.0	97.8	93.8	-16.8	29.5
Business Services	844.7	1,513.6	1,549.3	1,601.1	1,652.7	1,508.9	1,758.3
Other Services Industries	633.2	836.7	908.3	833.2	651.0	453.8	580.5
Ownership of Dwellings	648.7	703.7	761.8	870.1	978.2	987.4	966.5

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

1 Comprise Agriculture, Fishing and Quarrying.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4252>

6



International Accounts

6

International Accounts



Balance of Payments



The balance of payments summarises all economic transactions between residents of an economy and non-residents (i.e. the rest of the world). It comprises international trade in goods and services, primary and secondary income flows, as well as capital and financial flows. It is very useful for assessing the external performance of an economy and for formulating policies associated with it.

The transactions recorded in the balance of payments fall into the following three broad categories:

- Current Account:** Consists of transactions relating to Singapore's current national income and expenditure. These include exports and imports of goods and services, primary income receipts and payments, as well as net current transfers (secondary income).
- Capital and Financial Account:** Covers transactions affecting the foreign financial assets and liabilities of Singapore. Hence it records transactions that affect the national income in future periods.
- Reserve Assets:** Show the changes in Singapore's foreign reserves holdings. They consist of Singapore's official holdings of monetary gold and foreign exchange assets, as well as Singapore's special drawing rights and reserve position in the International Monetary Fund.

Singapore's balance of payments estimates are compiled in accordance with the principles and recommendations set out in the International Monetary Fund's Balance of Payments and International Investment Position Manual. The structure and classification of

Singapore's Balance of Payments accounts follow the sixth edition of the manual.

Studies to improve the balance of payments estimates are continual and the estimates are revised as and when appropriate.

Balance of Payments, 2016

(Million Dollars)

Overall Balance	-2,455.3
 Current Account Balance	78,058.9
 Capital and Financial Account Balance	81,896.5
Reserve Assets ¹	-2,455.3

Sources of Data



The balance of payments estimates are compiled mainly from trade and shipping statistics, regular surveys of companies and administrative records of government departments and statutory authorities.

Definitions



Goods Balance: Refers to the difference between total exports and total imports of goods on a 'f.o.b' (Free On Board) basis.

Services Balance: Refers to the difference between total exports and total imports of services.

Primary Income Balance: Refers to the difference between primary income receivable by Singapore residents from abroad and primary income payable to non-residents from Singapore.

Secondary Income Balance: Refers to the difference between current transfers received by Singapore residents from abroad and current transfers received by non-residents from Singapore.

International Accounts ■



Current Account Balance: Refers to the balance of transactions in goods, services, primary income and secondary income. It shows the net change in financial assets arising from Singapore's real transactions.

Capital and Financial Account Balance: Refers to the balance of transactions in the capital and financial account. It reflects the net changes in Singapore's foreign financial assets and liabilities.

Overall Balance: Refers to the overall balance of the current, capital and financial accounts. It is the balance of all of Singapore's transactions with non-residents and is financed by official reserves.

International Investment Position



The international investment position (IIP) is a statistical statement that shows, at a point in time, the value and composition of financial assets and liabilities of residents of an economy with non-residents. The net IIP, which is the difference between the economy, and refers to the difference between an economy's external financial assets with its liabilities, plus the value of non-financial assets, equals to the net worth of the economy.

The IIP is related to the financial account of the balance of payments. While the financial account shows net acquisition and disposal of financial assets and liabilities during a period, the IIP records the stock of financial assets and liabilities at a specific point in time. Due to the above relationship, both the IIP and financial account of the balance of payments use the functional categories as the highest level of classification. These functional categories are direct investment, portfolio investment, financial derivatives, other investment, and reserve assets.

Singapore's IIP estimates are compiled based on the principles recommended in the

International Monetary Fund's Balance of Payments and International Investment Position Manual, Sixth edition.

External Debt



Gross external debt, at any given time, is defined as the outstanding amount of current (and not contingent) debt liabilities owed to non-residents by residents of an economy. The external debt position can also be understood as a subset of the IIP, where it is equivalent to total external liabilities of the latter less equity and investment fund shares and financial derivatives.

The compilation of Singapore's external debt statistics is consistent with the recommendations set out in the International Monetary Fund's External Debt Statistics Guide (2013).

Other References



Major changes and improvements to the current account and capital and financial account of the balance of payments, international investment position and external debt, which includes changes in conceptual treatment, classifications, enhanced coverage, as well as data dissemination and methodological improvements, are described in the occasional paper "[Implementation of IMF Balance of Payments and International Investment Position Manual, Sixth Edition in Singapore's balance of payments](#)" and the information paper "[Singapore's International Accounts: Methodological Updates and Recent Developments](#)".

Analyses on Singapore's balance of payments may be found in the "[Economic Survey of Singapore](#)", published by the Ministry of Trade and Industry.

6.1 BALANCE OF PAYMENTS

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
A Current Account Balance	75,567.0	76,779.7	62,799.0	64,026.9	77,060.6	73,906.3	78,058.9
Goods Balance	84,495.1	92,279.7	89,015.3	93,877.7	103,533.5	113,901.5	114,373.0
Exports of Goods	506,423.4	554,688.1	553,403.7	560,180.1	560,880.7	521,839.0	499,539.8
Imports of Goods	421,928.3	462,408.4	464,388.4	466,302.4	457,347.2	407,937.5	385,166.8
Services Balance	-518.8	1,256.9	-4,403.6	-9,228.8	-7,623.3	-8,120.2	-8,204.4
Exports of Services	137,484.7	150,009.3	159,163.9	174,790.7	194,370.9	204,297.0	206,737.5
Maintenance & Repair Services	8,648.4	9,343.9	9,053.1	10,769.1	9,856.2	9,265.2	9,706.3
Transport	52,775.1	53,601.5	55,851.4	57,649.7	66,155.9	65,474.4	66,801.9
Freight	41,430.6	41,528.4	43,156.1	45,959.9	53,083.7	52,240.4	53,538.7
Others	11,344.5	12,073.1	12,695.3	11,689.8	13,072.2	13,234.0	13,263.2
Travel	19,331.2	22,551.8	23,488.4	24,036.6	24,243.4	22,771.4	25,401.2
Insurance	4,821.8	4,860.2	4,537.4	5,125.8	6,310.1	8,376.7	8,824.5
Government Goods & Services	350.8	346.2	360.8	382.9	378.0	388.9	389.1
Construction	1,406.5	1,941.0	2,006.6	2,219.9	1,559.9	1,307.4	1,309.5
Financial	16,653.2	19,555.5	20,695.0	23,614.0	26,777.3	28,954.7	26,072.4
Telecommunications,							
Computer & Information	4,831.2	4,891.6	5,272.1	6,116.7	6,598.7	8,831.8	8,918.4
Charges for the Use of							
Intellectual Property	1,330.3	2,089.9	2,320.4	3,974.4	4,794.3	7,121.6	7,377.7
Personal, Cultural & Recreational	689.2	651.5	667.8	698.8	712.9	619.0	638.2
Other Business Services	26,647.0	30,176.2	34,910.9	40,202.8	46,984.2	51,185.9	51,298.3
Accounting	355.9	402.3	407.3	400.3	332.2	307.3	304.7
Advertising And Market Research	1,073.8	1,642.1	2,681.4	4,629.6	7,763.3	10,137.5	10,051.5
Architectural	270.0	302.0	354.1	312.5	389.6	381.1	377.8
Business Management	13,538.1	14,831.4	16,671.5	19,783.5	19,997.0	20,945.9	20,768.1
Engineering And Technical	2,424.3	3,397.2	4,195.5	5,059.4	6,081.0	5,019.2	5,199.5
Legal	528.3	558.1	600.1	643.4	676.8	766.8	760.2
Research And Development	612.8	635.6	719.4	1,109.1	869.2	1,003.1	1,039.3
Trade-Related	3,970.0	4,808.3	5,489.9	3,928.1	4,899.9	5,413.9	5,449.2
Others	3,873.8	3,599.2	3,791.7	4,336.9	5,975.2	7,211.1	7,348.0
Imports of Services	138,003.5	148,752.4	163,567.5	184,019.5	201,994.2	212,417.2	214,941.9
Maintenance & Repair Services	874.1	872.3	837.0	845.2	880.7	937.5	918.5
Transport	40,595.1	41,990.2	44,817.9	47,891.1	59,225.2	66,813.0	67,239.7
Freight	23,787.4	26,450.5	26,570.4	28,766.2	37,897.0	44,148.0	45,048.1
Others	16,807.7	15,539.7	18,247.5	19,124.9	21,328.2	22,665.0	22,191.6
Travel	25,497.3	27,048.4	28,926.3	30,664.9	30,865.2	30,360.1	30,535.3
Insurance	5,510.2	5,699.9	5,992.8	6,016.8	5,291.9	7,491.5	8,192.0
Government Goods & Services	261.3	260.8	256.8	287.0	295.1	275.9	309.8
Construction	702.0	944.0	944.0	972.4	692.7	667.5	668.5
Financial	3,493.8	3,915.1	4,070.9	4,675.7	5,549.9	6,057.4	6,258.1
Telecommunications,							
Computer & Information	4,823.6	6,028.2	6,824.8	8,879.0	10,941.0	11,514.1	11,570.5
Charges for the Use of							
Intellectual Property	22,647.6	24,678.8	27,549.9	28,237.2	26,033.9	25,706.4	26,630.9
Personal, Cultural & Recreational	643.6	616.6	595.2	568.6	639.4	624.1	643.6
Other Business Services	32,954.9	36,698.1	42,751.9	54,981.6	61,579.2	61,969.7	61,975.0
Accounting	205.4	222.2	271.1	260.3	291.0	331.3	328.6
Advertising And Market Research	2,139.5	2,214.8	2,448.0	2,745.9	2,985.0	3,323.1	3,294.9
Architectural	64.0	62.5	84.6	78.8	56.9	47.8	47.4
Business Management	10,347.4	12,930.4	13,934.6	15,264.5	16,988.4	18,282.3	18,136.4
Engineering And Technical	1,749.7	1,967.7	2,340.8	2,755.9	3,316.6	3,269.8	3,387.4
Legal	284.5	234.7	664.0	262.8	299.4	315.9	313.2
Research And Development	3,921.2	4,528.2	5,250.3	11,254.8	9,904.0	9,338.6	8,819.7
Trade-Related	6,851.5	7,964.1	9,424.8	11,063.9	11,973.8	12,162.0	12,309.2
Others	7,391.7	6,573.5	8,333.7	11,294.7	15,764.1	14,898.9	15,338.2

(continued on the next page)

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6.1 BALANCE OF PAYMENTS *(continued)*

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
A Current Account Balance <i>(continued)</i>	75,567.0	76,779.7	62,799.0	64,026.9	77,060.6	73,906.3	78,058.9
Primary Income Balance	-1,834.5	-9,255.1	-13,290.3	-12,478.4	-10,024.4	-18,155.9	-13,119.2
Primary Income Receipts	85,383.3	80,804.9	79,132.0	82,157.0	85,352.9	86,510.7	90,486.8
Primary Income Payments	87,217.8	90,060.0	92,422.3	94,635.4	95,377.3	104,666.6	103,606.0
Secondary Income Balance	-6,574.8	-7,501.8	-8,522.4	-8,143.6	-8,825.2	-13,719.1	-14,990.5
General Government (Net)	925.6	1,006.1	1,179.4	1,034.7	961.4	1,154.6	1,212.7
Other Sectors (Net)	-7,500.4	-8,507.9	-9,701.8	-9,178.3	-9,786.6	-14,873.7	-16,203.2
B Capital and Financial Account Balance ¹	24,004.3	53,313.8	30,703.2	42,423.6	66,477.3	70,808.0	81,896.5
Financial Account (Net)	24,004.3	53,313.8	30,703.2	42,423.6	66,477.3	70,808.0	81,896.5
Direct Investment	-26,818.4	-22,369.1	-45,980.5	-26,387.1	-27,583.7	-53,858.1	-52,096.0
Assets	48,278.0	39,458.1	24,297.1	54,552.7	66,161.1	43,176.7	33,002.9
Liabilities	75,096.4	61,827.2	70,277.6	80,939.8	93,744.8	97,034.8	85,098.9
Portfolio Investment	40,134.8	12,584.4	98,467.6	79,573.1	61,118.5	74,808.4	28,623.9
Assets	51,049.6	5,237.5	104,138.5	77,737.7	68,599.8	67,282.1	33,814.2
Deposit-Taking Corporations, except the Central Bank	9,272.9	-13,746.7	38,125.7	21,614.5	21,227.4	2,389.6	-14,353.3
Official	13,910.9	12,735.8	13,929.9	15,413.5	20,108.5	25,023.9	26,237.3
Others	27,865.8	6,248.4	52,082.9	40,709.7	27,263.9	39,868.6	21,930.2
Liabilities	10,914.8	-7,346.9	5,670.9	-1,835.4	7,481.3	-7,526.3	5,190.3
Deposit-Taking Corporations, except the Central Bank	-883.4	-2,872.1	-4,814.6	6,704.6	11,447.5	-5,462.6	14,051.6
Others	11,798.2	-4,474.8	10,485.5	-8,540.0	-3,966.2	-2,063.7	-8,861.3
Financial Derivatives	-4,903.6	21,480.7	-21,753.3	-16,341.1	-1,136.5	-17,251.6	6,399.4
Assets	6,238.5	44,140.6	-50,331.4	-13,146.8	1,708.1	-16,089.9	7,578.5
Liabilities	11,142.1	22,659.9	-28,578.1	3,194.3	2,844.6	1,161.7	1,179.1
Other Investment	15,591.5	41,617.8	-30.6	5,578.7	34,079.0	67,109.3	98,969.2
Assets	95,297.8	97,653.7	24,355.5	127,875.0	100,965.4	58,425.2	117,035.6
Deposit-Taking Corporations, except the Central Bank	12,191.9	73,478.3	-16,433.3	80,780.8	50,392.5	22,100.2	34,196.3
Official	19,522.1	33,872.6	19,290.5	37,030.3	22,029.4	14,679.3	59,684.0
Others	63,583.8	-9,697.2	21,498.3	10,063.9	28,543.5	21,645.7	23,155.3
Liabilities	79,706.3	56,035.9	24,386.1	122,296.3	66,886.4	-8,684.1	18,066.4
Deposit-Taking Corporations, except the Central Bank	34,742.9	59,486.2	7,198.3	108,742.1	52,241.7	-1,340.2	14,416.8
Others	44,963.4	-3,450.3	17,187.8	13,554.2	14,644.7	-7,343.9	3,649.6

(continued on the next page)

Notes : Decrease in assets and liabilities, and net inflows in net balances, are indicated by a minus (-) sign.

¹ The capital account is consolidated under the financial account.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1391>

6.1 BALANCE OF PAYMENTS *(continued)*

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
C Net Errors and Omissions	5,917.8	-1,978.2	510.1	1,127.6	-1,965.5	-1,597.6	1,382.3
D Overall Balance (A-B+C)	57,480.5	21,487.7	32,605.9	22,730.9	8,617.8	1,500.7	-2,455.3
E Reserves Assets	57,480.5	21,487.7	32,605.9	22,730.9	8,617.8	1,500.7	-2,455.3
Special Drawing Rights	-235.4	-237.1	-91.8	56.6	-19.8	39.8	-271.2
Reserve Position in the IMF	45.5	484.6	35.1	181.0	-212.6	-231.6	589.1
Foreign Exchanges Assets	57,670.4	21,240.2	32,662.6	22,493.3	8,850.2	1,692.5	-2,773.2

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1391>

6.2 SINGAPORE INTERNATIONAL INVESTMENT POSITION

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Net International Investment Position	659,570.5	693,976.5	719,298.3	759,083.5	752,886.8	790,359.7	918,828.0
External Assets	3,000,995.2	3,185,241.9	3,355,225.6	3,696,280.1	4,000,277.6	4,200,091.1	4,450,952.1
Direct Investment	600,141.2	651,282.4	694,428.3	775,640.1	862,270.7	921,539.8	986,961.3
Equity And Investment Fund Shares	412,898.1	438,084.1	485,931.7	536,279.4	623,142.3	659,716.2	715,799.7
Debt Instruments	187,243.1	213,198.3	208,496.6	239,360.7	239,128.4	261,823.6	271,161.6
Portfolio Investment	758,254.8	794,263.8	983,742.5	1,158,478.3	1,271,932.6	1,364,061.9	1,481,969.2
Equity And Investment Fund Shares	381,178.3	399,312.5	523,838.3	596,598.1	644,251.1	691,995.6	748,751.3
Debt Securities	377,076.5	394,951.3	459,904.2	561,880.2	627,681.5	672,066.3	733,217.9
Financial Derivatives	138,316.7	184,796.1	113,431.8	110,404.2	145,449.8	134,293.7	147,134.4
Other Investment	1,215,328.4	1,246,496.4	1,246,878.8	1,307,028.3	1,380,186.4	1,429,204.9	1,478,633.3
Trade Credits And Advances	169,376.0	171,943.3	173,974.4	176,827.2	181,144.2	161,818.3	167,399.2
Loans	263,134.4	270,971.8	291,168.3	342,060.5	397,393.3	415,867.9	402,462.9
Currency And Deposits	628,333.0	652,684.4	652,102.3	679,059.8	668,366.2	701,681.3	758,193.7
Insurance Technical Reserves	12,465.0	8,687.3	8,750.3	8,322.6	9,247.4	9,910.2	13,119.7
Other Accounts Receivable	142,020.0	142,209.6	120,883.5	100,758.2	124,035.3	139,927.2	137,457.8
Reserve Assets ¹	288,954.1	308,403.2	316,744.2	344,729.2	340,438.1	350,990.8	356,253.9
External Liabilities	2,341,424.7	2,491,265.4	2,635,927.3	2,937,196.6	3,247,390.8	3,409,731.4	3,532,124.1
Direct Investment	814,677.9	888,319.9	1,005,089.0	1,134,905.5	1,347,015.2	1,529,860.0	1,585,606.9
Equity And Investment Fund Shares	676,275.4	719,458.8	830,767.3	941,908.0	1,117,100.2	1,270,793.8	1,321,039.3
Debt Instruments	138,402.5	168,861.1	174,321.7	192,997.5	229,915.0	259,066.2	264,567.6
Portfolio Investment	204,855.7	166,233.1	201,977.6	247,275.3	273,024.0	244,481.4	258,795.3
Equity And Investment Fund Shares	182,951.5	146,038.3	174,696.1	207,156.4	227,203.9	202,944.4	213,356.7
Debt Securities	21,904.2	20,194.8	27,281.5	40,118.9	45,820.1	41,537.0	45,438.6
Financial Derivatives	118,640.8	130,081.1	101,765.7	100,445.8	123,600.0	124,287.9	141,311.8
Other Investment	1,203,250.3	1,306,631.3	1,327,095.0	1,454,570.0	1,503,751.6	1,511,102.1	1,546,410.1
Trade Credits And Advances	143,400.7	145,918.9	150,352.1	151,597.2	144,263.1	136,328.7	144,586.8
Loans	58,114.2	81,532.0	93,513.9	109,782.7	115,444.7	128,012.8	144,244.8
Currency And Deposits	915,697.0	978,831.8	991,308.1	1,099,725.5	1,138,588.3	1,121,189.3	1,128,051.3
Insurance Technical Reserves	9,241.8	16,136.7	13,510.9	12,499.1	13,320.8	13,830.8	14,089.0
Special Drawing Rights Allocation	1,478.0	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,447.0
Other Accounts Payable	75,318.6	82,725.8	77,010.6	79,518.7	90,705.9	110,278.3	113,991.2

¹ Assets held by the Monetary Authority of Singapore.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1165>

6.3 EXTERNAL DEBT

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Gross External Debt	1,368,546.5	1,495,687.5	1,528,698.3	1,687,686.1	1,779,486.7	1,811,705.3	1,856,416.2
Direct Investment: Intercompany Loans	138,732.3	168,861.1	174,321.7	192,997.4	229,915.0	259,066.2	264,567.5
Debt Liabilities Of DIE ¹							
To Direct Investors	81,738.6	101,377.2	104,237.6	104,811.9	119,110.6	142,106.2	152,941.7
Debt Liabilities Of Direct Investors							
To DIE ¹	9,548.6	16,113.5	18,001.4	30,127.0	32,741.9	38,479.9	39,128.0
Debt Liabilities Between							
Fellow Enterprises	47,445.1	51,370.4	52,082.7	58,058.5	78,062.5	78,480.1	72,497.8
Other Liabilities	1,229,814.2	1,326,826.4	1,354,376.6	1,494,688.7	1,549,571.7	1,552,639.1	1,591,848.7
General Government	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Central Bank	1,478.0	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,447.0
Short-term	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Currency And Deposits ²	..	..	..	..	..	..	..
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-term	1,478.0	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,447.0
Special Drawing Rights							
(Allocations)	1,478.0	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,447.0
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deposit-taking Corporations	992,097.1	1,061,772.8	1,070,379.4	1,188,696.9	1,242,603.4	1,238,621.8	1,253,121.0
Short-term	921,625.2	984,450.8	998,801.0	1,113,891.9	1,155,988.0	1,133,479.9	1,145,786.3
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	2,026.4	1,881.0	3,591.3	10,238.5	13,474.6	7,522.5	12,022.3
Currency And Deposits	915,231.4	978,247.6	990,715.3	1,099,077.2	1,137,726.2	1,120,386.2	1,127,116.0
Others	4,367.4	4,322.2	4,494.4	4,576.2	4,787.2	5,571.2	6,648.0
Long-term	70,471.9	77,322.0	71,578.4	74,805.0	86,615.4	105,141.9	107,334.7
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	725.2	748.4	1,020.0	2,178.3	2,232.7	2,314.8	1,483.2
Others	69,746.7	76,573.6	70,558.4	72,626.7	84,382.7	102,827.1	105,851.5

(continued on the next page)

Notes : With the implementation of the recommendations of the 6th Edition of the Balance of Payments and International Investment Manual (BPM6), Singapore's gross external debt is now reported on a BPM6 format. The accompanying revision in the treatment of Asian Currency Units (ACUs) as resident units (which previously were treated as non-resident units) means that the coverage of Singapore's external assets and liabilities has been expanded to include those of the ACUs, resulting in increases in both Singapore's external assets and liabilities. While the expansion of coverage has resulted in higher gross external debt (or liabilities), it has resulted also in higher external assets. Singapore remains a net creditor, as the resulting increase in external assets is more than the increase in liabilities. More information may be found in the Occasional Paper on "Implementation of IMF Balance of Payments and International Investment Position Manual, Sixth Edition in Singapore's Balance of Payments".

1 Refers to direct investment enterprise.

2 Data are not released due to relatively insignificant value and/or in order to safeguard confidentiality of information provided by individual establishments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1571>

6.3 EXTERNAL DEBT (continued)

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Gross External Debt (continued)							
Other Liabilities (continued)							
Other Sector	236,239.1	263,567.5	282,597.8	304,545.0	305,539.5	312,555.1	337,280.7
Short-term	189,821.1	191,068.4	205,298.2	219,659.1	216,068.5	225,916.0	244,852.0
Trade Credits And Advances	148,118.7	145,918.9	150,352.1	151,597.2	144,263.1	136,328.7	144,586.8
Loans	36,876.9	43,040.3	52,692.9	65,068.7	68,997.8	87,042.6	97,995.3
Debt Securities	3,296.5	902.2	846.7	1,052.6	751.0	653.6	655.5
Others	1,529.0	1,207.0	1,406.5	1,940.6	2,056.6	1,891.1	1,614.4
Long-term	46,418.0	72,499.1	77,299.6	84,885.9	89,471.0	86,639.1	92,428.7
Loans	21,077.3	38,491.8	40,821.0	44,714.0	46,446.9	40,970.2	46,249.5
Debt Securities	15,856.1	16,663.3	21,823.6	26,649.4	29,361.8	31,046.0	31,277.7
Others	9,484.6	17,344.0	14,655.0	13,522.5	13,662.3	14,622.9	14,901.5

Notes : With the implementation of the recommendations of the 6th Edition of the Balance of Payments and International Investment Manual (BPM6), Singapore's gross external debt is now reported on a BPM6 format. The accompanying revision in the treatment of Asian Currency Units (ACUs) as resident units (which previously were treated as non-resident units) means that the coverage of Singapore's external assets and liabilities has been expanded to include those of the ACUs, resulting in increases in both Singapore's external assets and liabilities. While the expansion of coverage has resulted in higher gross external debt (or liabilities), it has resulted also in higher external assets. Singapore remains a net creditor, as the resulting increase in external assets is more than the increase in liabilities. More information may be found in the Occasional Paper on "Implementation of IMF Balance of Payments and International Investment Position Manual, Sixth Edition in Singapore's Balance of Payments".

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1571>

7



Investment

7

Investment

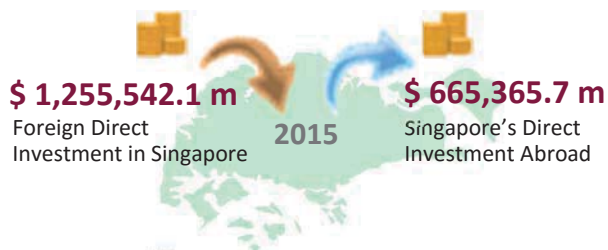


Direct Investment



Data on foreign direct investment in Singapore are compiled from the Survey of Foreign Equity Investment and the Survey of Foreign Debt and Financial Derivative Transactions.

Data on Singapore's direct investment abroad are obtained from the Survey of Singapore's Investment Abroad. The coverage of the survey was extended to financial institutions (i.e. banks, finance and insurance companies) since 1994.



Definitions



Foreign Direct Investment (FDI): Refers to a category of investment that reflects the objective of establishing a lasting interest by an enterprise (direct investor) resident in one economy in an enterprise (direct investment enterprise) resident in an economy other than that of the direct investor. The lasting interest implies the existence of a long-term relationship between the direct investor and the direct investment enterprise and a significant degree of influence on the management of the enterprise. The direct or indirect ownership of 10 per cent or more of the voting power of an enterprise resident in one economy by an investor resident in another economy is evidence of such a relationship.

FDI comprises foreign direct equity Investment (FDEI) and the net inter-company debt between direct investors and direct investment enterprises.

Foreign Direct Equity Investment (FDEI):

Refers to equity capital in direct investment enterprises attributable to foreign direct investors.

Equity capital covers all components of shareholders' funds (proportionate to the percentage of shares held), including equity, contributed surplus, reinvested earnings, revaluations, as well as any reserve accounts.

Net fixed assets are used as a proxy of equity capital for branches of non-resident banks. As for the branches of other non-resident entities, the net amount owed by branches to their non-resident head office is used.

Reinvested Earnings: Refer to earnings on equity accruing to direct investors less distributed earnings, proportionate to the percentage ownership of the equity owned by the direct investor(s).

Net Inter-Company Debt: Refers to the net outstanding debt owed by foreign direct investment enterprises to the foreign direct investors. The debt could be in the form of loans or debt securities.

Investment Commitments



Investment commitments refer to investment projects in terms of fixed assets which companies commit to invest in Singapore. Projects are only recorded as commitments if the company has made a firm undertaking to implement the project.

Other References



Detailed data on investment are available in the reports "[Foreign Direct Investment in Singapore](#)" and "[Singapore's Direct Investment Abroad](#)".

7.1

STOCK OF FOREIGN DIRECT INVESTMENT IN SINGAPORE BY INDUSTRY

(End of Period)

Million Dollars

Industry	2009	2010	2011	2012	2013	2014	2015
Total	574,703.6	665,113.4	702,565.2	810,079.0	907,123.5	1,113,273.4	1,255,542.1
Manufacturing	124,834.8	133,888.3	139,869.0	127,437.3	159,661.2	156,592.0	170,292.1
Construction	2,754.4	1,754.5	2,521.7	2,578.1	3,447.3	3,884.1	3,522.7
Wholesale & Retail Trade	99,198.9	110,996.2	121,660.4	137,283.2	153,876.1	198,597.0	231,728.1
Accommodation & Food							
Service Activities	3,486.7	4,131.9	4,596.2	4,817.3	3,966.2	5,239.3	5,349.9
Transport & Storage	36,661.3	34,952.2	30,338.5	34,528.7	32,911.7	38,010.3	39,922.2
Information & Communications	5,901.0	7,778.9	7,019.8	11,222.6	12,984.7	19,226.2	20,671.9
Financial & Insurance Services	239,127.2	308,598.4	316,820.2	407,264.6	441,674.5	561,052.0	625,852.9
Real Estate Activities	17,307.9	20,980.8	25,560.7	29,956.5	32,228.6	37,917.6	34,986.2
Professional, Scientific & Technical,							
Administrative & Support Services	37,667.6	34,473.6	44,484.9	45,588.4	55,877.0	77,282.1	106,762.6
Others	7,763.9	7,558.6	9,693.8	9,402.3	10,496.1	15,472.7	16,453.5

Notes : The industries are classified according to Singapore Standard Industrial Classification 2015.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=8503>

7.2

STOCK OF SINGAPORE'S DIRECT INVESTMENT ABROAD BY INDUSTRY

(End of Period)

Million Dollars

Industry	2009	2010	2011	2012	2013	2014	2015
Total	370,139.1	426,567.5	449,005.5	494,096.3	536,141.6	638,206.7	665,365.7
Manufacturing	78,224.7	89,007.6	90,316.4	96,496.1	103,784.6	114,529.4	121,566.4
Construction	1,381.6	1,298.6	1,298.2	1,474.4	1,643.8	1,881.9	1,922.4
Wholesale & Retail Trade	23,359.4	26,409.9	31,839.0	41,200.9	48,187.2	55,659.0	61,812.0
Accommodation & Food							
Service Activities	3,731.2	3,776.2	4,380.4	4,703.2	4,530.7	4,369.4	4,432.5
Transport & Storage	9,779.2	10,611.8	11,114.2	12,982.4	14,988.4	19,237.3	21,103.0
Information & Communications	16,564.8	18,165.8	20,920.6	22,263.7	22,420.3	27,407.8	29,142.3
Financial & Insurance Services	185,451.1	206,720.3	211,170.5	229,767.2	250,037.3	318,668.3	327,143.7
Real Estate Activities	27,088.5	35,338.0	39,219.9	40,055.7	40,927.9	45,452.0	47,162.8
Professional, Scientific & Technical,							
Administrative & Support Services	5,523.4	7,649.0	8,313.4	9,634.8	13,648.5	16,023.1	20,746.3
Others	19,035.2	27,590.1	30,432.9	35,517.9	35,972.8	34,978.4	30,334.3

Notes : The industries are classified according to Singapore Standard Industrial Classification 2015.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5667>

7.3 STOCK OF FOREIGN DIRECT INVESTMENT IN SINGAPORE BY REGION/COUNTRY

(End of Period)

Million Dollars

Region/Country	2009	2010	2011	2012	2013	2014	2015
Total	574,703.6	665,113.4	702,565.2	810,079.0	907,123.5	1,113,273.4	1,255,542.1
Asia	145,894.9	168,772.1	170,941.3	198,102.0	220,859.8	283,950.9	296,569.3
Brunei Darussalam	317.9	292.5	338.2	369.7	389.5	341.2	325.0
Cambodia	0.9	6.9	22.8	22.6	23.1	21.0	19.9
China	9,725.7	17,163.2	15,096.8	16,306.2	17,846.2	16,401.0	20,785.8
Hong Kong	18,145.8	19,555.2	21,801.0	30,393.2	33,490.1	50,120.7	48,297.2
India	21,954.8	24,542.0	23,104.1	23,861.8	25,223.5	25,759.4	24,051.0
Indonesia	3,894.0	4,275.8	2,054.7	3,819.1	2,798.6	2,172.5	3,764.9
Israel	4,992.5	4,710.9	4,747.4	4,534.1	4,667.7	4,503.3	2,045.6
Japan	50,515.4	56,005.2	55,338.2	60,068.8	72,246.2	109,393.6	114,185.7
Korea, Republic of	2,906.3	3,061.7	4,143.3	3,306.0	4,680.9	7,576.1	10,871.9
Lao People's Democratic Republic	5.7	2.5	3.8	3.7	37.6	36.0	36.9
Malaysia	15,864.9	19,433.9	23,739.1	31,370.3	30,941.4	32,517.9	32,857.0
Myanmar	18.9	45.0	19.4	9.0	34.2	91.1	169.1
Philippines	1,080.3	2,618.6	2,419.9	3,362.4	4,652.3	3,799.8	4,957.2
Taiwan	6,169.4	5,795.4	7,127.8	7,252.1	8,433.7	12,383.2	14,556.8
Thailand	2,076.0	5,312.4	4,153.1	3,806.2	4,175.9	4,533.6	4,653.2
Viet Nam	28.2	59.6	60.6	24.2	107.8	181.3	301.0
Europe	221,807.3	233,371.0	260,406.4	280,778.4	302,232.7	326,678.0	379,087.5
Denmark	3,905.0	8,241.7	8,973.9	10,027.5	10,496.0	10,722.0	14,263.9
France	8,103.7	8,064.9	10,609.2	12,595.3	12,874.5	14,893.0	14,738.4
Germany	11,136.4	13,985.3	14,242.2	14,701.6	15,810.6	17,755.1	18,745.1
Ireland	3,092.1	5,055.2	7,131.5	7,897.9	7,321.8	10,259.3	25,227.5
Luxembourg	18,142.3	19,968.3	23,797.5	21,256.5	24,413.9	42,591.4	48,836.0
Netherlands	61,511.7	61,979.7	71,651.1	90,555.8	84,902.2	70,075.2	93,189.1
Norway	23,134.0	22,636.1	22,056.9	20,731.7	21,118.2	21,475.9	22,176.8
Switzerland	26,851.5	27,138.1	28,545.8	32,349.4	39,635.6	44,340.6	48,037.4
United Kingdom	49,499.4	49,349.4	55,899.8	49,092.4	59,016.3	62,181.3	60,154.6
North America	61,850.8	70,623.3	79,091.4	110,316.1	136,907.5	200,980.5	253,868.6
United States	58,968.8	67,206.2	74,644.7	105,145.3	129,927.8	192,408.6	243,307.4
Canada	2,882.1	3,417.1	4,446.7	5,170.8	6,979.7	8,571.8	10,561.2
Oceania	9,523.2	12,676.0	14,582.6	15,719.5	17,504.7	23,641.9	24,629.4
Australia	6,004.3	8,296.1	10,052.7	10,220.2	10,424.6	15,216.8	15,500.9
New Zealand	2,109.6	2,509.8	3,081.5	3,472.6	4,288.2	3,570.6	3,526.4

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Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=7181>

7.3 STOCK OF FOREIGN DIRECT INVESTMENT IN SINGAPORE BY REGION/COUNTRY *(continued)*

(End of Period)

Million Dollars

Region/Country	2009	2010	2011	2012	2013	2014	2015
South and Central America and the Caribbean	122,052.1	164,546.6	163,638.7	187,893.2	210,143.2	255,448.5	273,582.8
Africa	12,754.2	15,114.1	13,761.4	16,844.4	19,200.3	22,060.9	24,785.5
ASEAN ¹	23,286.8	32,047.3	32,811.5	42,787.2	43,160.4	43,694.4	47,084.1
European Union (EU 28) ²	166,582.8	177,311.9	201,166.9	217,725.3	226,919.1	244,642.7	292,878.1

1 ASEAN includes Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Thailand and Viet Nam.

2 The European Union (EU 28) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7181>

7.4 STOCK OF SINGAPORE'S DIRECT INVESTMENT ABROAD BY REGION/COUNTRY

(End of Period)

Million Dollars

Region/Country	2009	2010	2011	2012	2013	2014	2015
Total	370,139.1	426,567.5	449,005.5	494,096.3	536,141.6	638,206.7	665,365.7
Asia	201,165.8	226,436.0	258,860.5	276,765.7	292,614.4	333,776.6	357,166.7
Brunei Darussalam	202.0	177.7	149.5	207.6	227.6	243.4	278.0
Cambodia	271.9	271.5	216.5	225.7	240.7	247.6	305.1
China	62,241.2	72,430.8	85,231.9	92,047.0	102,624.8	114,454.7	121,067.5
Hong Kong	23,425.2	25,008.0	39,429.5	40,241.3	41,830.8	51,084.8	52,733.1
India	9,545.2	10,630.8	11,242.1	12,909.4	16,000.2	22,678.8	29,617.4
Indonesia	27,695.6	31,343.1	35,084.2	39,910.8	40,633.0	45,735.9	45,438.6
Japan	9,620.1	14,103.9	14,079.0	9,963.8	8,408.8	8,414.8	9,875.6
Korea, Republic of	2,786.0	3,221.4	2,773.8	2,886.9	3,420.9	4,035.9	6,062.3
Lao People's Democratic Republic	226.3	222.7	225.2	226.3	163.9	262.1	289.7
Malaysia	26,792.3	31,470.4	33,116.9	36,486.3	36,700.0	40,526.3	40,687.2
Myanmar	196.0	183.4	174.3	291.8	332.2	1,941.5	3,359.3
Philippines	4,978.4	5,235.8	5,393.1	5,330.4	5,226.6	5,421.8	5,826.4
Taiwan	6,054.5	5,968.1	6,182.2	7,557.9	7,785.7	7,318.0	7,928.9
Thailand	20,433.2	19,981.4	19,810.6	19,669.0	18,989.4	19,967.9	20,958.1
Viet Nam	3,131.3	2,731.4	3,062.4	3,708.7	4,225.1	4,954.2	5,402.8
Europe	51,087.4	63,107.3	62,043.3	79,921.4	93,380.0	106,425.6	105,481.6
Germany	998.1	1,715.6	1,652.8	1,576.9	1,369.2	1,407.7	1,531.3
Luxembourg	242.9	877.7	1,607.3	12,172.6	15,988.7	28,282.8	31,816.1
Netherlands	4,972.4	7,501.9	7,735.1	7,827.0	10,345.7	14,671.6	16,566.7
Norway	1,961.4	2,125.5	2,057.1	2,811.9	3,155.5	3,831.2	4,313.6
Switzerland	4,738.3	4,433.3	3,435.5	3,661.4	4,431.1	5,257.7	5,467.3
United Kingdom	32,492.4	39,502.4	37,254.8	43,713.6	49,153.1	42,429.8	35,865.4
North America	14,264.7	14,680.9	8,125.5	9,691.8	10,256.1	15,622.7	17,531.6
United States	13,134.5	14,154.8	7,334.0	8,296.7	9,695.5	13,536.8	15,569.1
Canada	1,130.2	526.1	791.4	1,395.1	560.7	2,085.9	1,962.5
Oceania	26,370.9	36,916.5	40,038.8	44,187.1	46,591.7	43,023.5	40,022.3
Australia	23,106.6	33,322.6	36,106.5	40,471.2	42,244.6	38,295.0	35,157.3
New Zealand	1,119.4	1,265.5	1,565.6	1,710.4	2,137.1	2,275.5	2,332.7

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Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1411>

7.4 STOCK OF SINGAPORE'S DIRECT INVESTMENT ABROAD BY REGION/COUNTRY *(continued)*

(End of Period)

Million Dollars

Region/Country	2009	2010	2011	2012	2013	2014	2015
South and Central America and the Caribbean	58,800.6	59,531.8	59,221.7	63,054.0	72,772.9	117,399.3	122,543.1
Africa	18,449.8	25,895.0	20,715.8	20,476.3	20,526.4	21,959.1	22,620.4
ASEAN ¹	83,927.1	91,617.4	97,232.7	106,056.5	106,738.5	119,300.9	122,545.3
European Union (EU 28) ²	43,718.6	54,949.6	54,634.3	71,159.8	83,579.8	94,952.8	92,879.7

1 ASEAN includes Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Thailand and Viet Nam.

2 The European Union (EU 28) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1411>

7.5 INVESTMENT COMMITMENTS IN MANUFACTURING ¹ AND SERVICES BY INDUSTRY

(Fixed Asset Investments) Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	12,854.2	13,734.3	16,007.8	12,135.2	11,840.2	11,494.9	9,389.0
Manufacturing	10,033.6	11,274.3	14,299.4	7,956.8	6,762.4	8,299.7	5,876.3
Food, Beverage & Tobacco	..	..	..	97.0	482.2	..	173.8
Petroleum & Chemical Products	1,595.9	2,523.9	5,726.6	2,508.5	2,635.8	3,560.7	1,259.1
Pharmaceutical & Biological Products	..	..	196.7	593.9	721.6	471.7	177.8
Rubber & Plastic Products	..	..	..	..	..	..	..
Fabricated Metal Products	224.0	..	..	91.6	..	..	..
Machinery & Equipment	646.4	647.2	432.3	518.2	345.7	7.7	351.0
Computers, Electronic & Optical Products	5,725.2	7,424.9	6,313.5	3,293.9	1,746.2	3,266.1	2,322.3
Transport Equipment	1,127.5	307.6	310.4	591.8	703.5	484.9	1,090.2
Other Manufacturing Industries	714.6	370.7	1,319.9	261.9	127.4	508.6	502.1
Services Industries	2,820.6	2,460.0	1,708.4	4,178.4	5,077.8	3,195.2	3,512.7

Source : Economic Development Board

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

¹ Includes servicing, engineering and R&D.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1394>

7.6 INVESTMENT COMMITMENTS IN MANUFACTURING ¹ AND SERVICES BY COUNTRY OF ORIGIN

(Fixed Asset Investments) Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	12,854.2	13,734.3	16,007.8	12,135.2	11,840.2	11,494.9	9,389.0
Local	2,069.7	1,875.4	1,837.5	3,144.6	1,942.2	1,058.6	2,171.5
Foreign	10,784.5	11,858.9	14,170.3	8,990.6	9,898.0	10,436.3	7,217.5
United States	3,311.4	5,047.4	5,654.5	3,725.4	1,838.4	6,969.3	3,460.2
Europe	4,820.2	2,131.9	3,134.3	3,281.2	3,117.8	1,510.1	1,248.9
Japan	1,175.7	995.0	967.8	670.4	317.2	422.9	680.6
Asia Pacific & Others	1,477.2	3,684.6	4,413.7	1,313.6	4,624.6	1,534.0	1,827.8

Source : Economic Development Board

¹ Includes servicing, engineering and R&D.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1394>

8



Research and Development

8

Research and Development



Data on research and development (R&D) in Singapore are collected through the National Survey of R&D, conducted annually by the Agency for Science, Technology and Research (A*STAR). The scope of the survey covers R&D activities in the private, higher education, government and public research institutes sectors.

To facilitate international comparability, data from the survey are collected and presented based on guidelines provided in the Organisation for Economic Co-operation and Development (OECD) Proposed Standard Practice for Surveys on Research and Experimental Development, "Frascati Manual" (Sixth Edition).

Definitions



R&D Manpower



Researchers: Refer to professionals who are engaged in the conception or creation of new knowledge, products, processes, methods and systems, or management of the projects concerned. Managers and administrators engaged in the planning and management of the scientific and technical aspects of a researcher's work also fall into this category. Researchers are further sub-classified into:

- Research scientists and engineers (RSEs)
- Full-time postgraduate research students (FPGRS)
- Non-degree researchers

Technicians: Refer to persons whose main tasks require more technical knowledge and experience in one or more fields of science and technology. They participate in R&D by performing scientific and technical tasks that involve the application of concepts and operational methods, normally under the supervision of researchers.

Other supporting staff: Includes skilled and unskilled craftsmen, secretarial and clerical staff participating in R&D projects or directly associated with such projects.



R&D Manpower, 2015

50,531



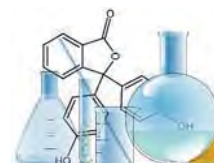
R&D Expenditure



R&D expenditure includes capital expenditure (acquisition of fixed tangible assets involved in R&D activities, excluding depreciation provisions), R&D manpower costs, and other R&D-related operating expenditures. Data for R&D expenditure in each year are expressed in nominal terms and are not adjusted for inflation.

R&D Expenditure, 2015

\$9,535.4 m



Patents



Data on patents resulting from R&D activities carried out in Singapore that are published in the National Survey of R&D are as reported by survey respondents. Only one patent is awarded to an invention, irrespective of the number of countries to which the patent is being applied or awarded.

R&D Output, 2015



8,575

Patents
Owned



2,090

Patents
Applied



988

Patents
Awarded

8.1 ORGANISATIONS PERFORMING R&D BY SECTOR

Sector	Number						
	2009	2010	2011	2012	2013	2014	2015
Total	912	859	864	758	873	950	880
Private	854	799	804	699	812	882	808
Higher Education	11	11	11	12	13	12	13
Government	27	29	29	28	29	31	34
Public Research Institutes	20	20	20	19	19	25	25

Source : Agency for Science, Technology and Research

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1743>

8.2 R&D MANPOWER BY OCCUPATION AND SEX

Occupation	Number						
	2009	2010	2011	2012	2013	2014	2015
Total	41,388	43,164	44,855	45,001	47,275	47,902	50,531
Male	27,862	28,796	29,942	29,977	31,608	31,875	33,496
Female	13,526	14,368	14,913	15,024	15,667	16,027	17,035
Researchers							
RSE ¹	26,608	28,296	29,482	30,109	31,943	32,835	34,988
Male	19,546	20,531	21,345	21,647	22,865	23,319	24,716
Female	7,062	7,765	8,137	8,462	9,078	9,516	10,272
FPGRS ²	5,295	5,760	5,990	5,924	6,012	5,800	5,862
Male	3,362	3,618	3,752	3,710	3,852	3,703	3,803
Female	1,933	2,142	2,238	2,214	2,160	2,097	2,059
Non-Degree	2,484	2,505	2,541	2,399	2,430	2,095	2,328
Male	1,681	1,700	1,813	1,709	1,712	1,456	1,589
Female	803	805	728	690	718	639	739
Technicians	3,563	3,101	3,089	3,022	3,115	3,083	2,969
Male	2,136	1,867	1,872	1,807	1,900	1,921	1,810
Female	1,427	1,234	1,217	1,215	1,215	1,162	1,159
Supporting Staff	3,438	3,502	3,753	3,547	3,775	4,089	4,384
Male	1,137	1,080	1,160	1,104	1,279	1,476	1,578
Female	2,301	2,422	2,593	2,443	2,496	2,613	2,806

Source : Agency for Science, Technology and Research

1 Refers to Research scientists and engineers. Data exclude postgraduate students.

2 Refers to Full-time postgraduate research students.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1744>

8.3 R&D EXPENDITURE BY AREA OF RESEARCH, 2015

					Million Dollars
Area of Research	Total	Private Sector	Higher Education Sector	Government Sector	Public Research Institutes
Total	9,535.4	5,824.6	1,573.6	1,027.9	1,109.3
Agricultural & Food Sciences	266.8	231.0	15.6	20.2	0.0
Engineering & Technology	5,835.5	4,313.8	532.5	586.2	444.6
Biomedical & Related Sciences	1,865.5	606.7	482.4	262.9	471.8
Natural Sciences (excl Biological Sciences)	1,001.2	557.5	285.1	78.4	80.3
Energy	149.6	29.2	120.4	0.0	0.0
Others	416.8	86.4	137.6	80.2	112.6

Source : Agency for Science, Technology and Research

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1740>

8.4 R&D EXPENDITURE BY TYPE OF COSTS, 2015

					Million Dollars
Type of Costs	Total	Private Sector	Higher Education Sector	Government Sector	Public Research Institutes
Total	9,535.4	5,824.6	1,573.6	1,027.9	1,109.3
Capital Costs	1,282.3	836.3	182.7	74.8	188.6
Land, Buildings & Other Structures	155.2	116.9	4.2	27.7	6.4
Vehicles, Plants, Machinery & Equipment	1,127.1	719.4	178.5	47.1	182.1
Manpower Costs	4,186.4	2,294.2	923.8	461.7	506.7
Researchers	3,679.6	2,034.8	845.2	363.5	436.0
RSE ¹	3,360.6	1,896.9	680.8	358.0	424.8
FPGRS ²	161.1	0.0	161.1	0.0	0.0
Non-Degree	157.9	137.9	3.4	5.5	11.2
Technicians	185.4	99.8	13.5	33.5	38.5
Others	321.4	159.5	65.0	64.7	32.2
Other Operating Costs	4,066.7	2,694.1	467.1	491.3	414.1

Source : Agency for Science, Technology and Research

¹ Refers to Research scientists and engineers.

² Refers to Full-time postgraduate research students.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1742>

8.5 R&D EXPENDITURE BY SECTOR

Million Dollars							
Sector	2009	2010	2011	2012	2013	2014	2015
Total	6,042.8	6,489.0	7,448.5	7,244.7	7,565.8	8,526.5	9,535.4
Private	3,724.5	3,947.6	4,628.2	4,415.2	4,496.1	5,215.7	5,824.6
Higher Education	854.3	968.1	1,086.4	1,192.7	1,311.3	1,349.3	1,573.6
Government	683.1	672.3	758.3	725.0	857.6	972.1	1,027.9
Public Research Institutes	780.9	901.0	975.6	911.9	900.9	989.4	1,109.3

Source : Agency for Science, Technology and Research

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1745>

8.6 R&D EXPENDITURE BY MAJOR INDUSTRY IN THE PRIVATE SECTOR

Million Dollars							
	2009	2010	2011	2012	2013	2014	2015
Total	3,724.5	3,947.6	4,628.2	4,415.2	4,496.1	5,215.7	5,824.6
Manufacturing	2,316.3	2,406.7	2,198.5	2,658.7	2,588.7	2,797.8	3,143.0
Services	1,406.1	1,525.7	2,415.0	1,745.7	1,892.8	2,396.0	2,669.7
Others	2.1	15.2	14.7	10.9	14.6	21.8	11.9

Source : Agency for Science, Technology and Research

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1746>

8.7 R&D OUTPUT

	Number						
	2009	2010	2011	2012	2013	2014	2015
Patents Owned ¹	6,067	5,450	4,763	5,129	5,275	6,579	8,575
Public Sector	1,519	998	1,208	1,251	1,295	1,356	1,463
Private Sector	4,548	4,452	3,555	3,878	3,980	5,223	7,112
Patents Applied	1,569	1,762	1,913	1,722	2,144	1,965	2,090
Public Sector	445	499	608	698	821	834	857
Private Sector	1,124	1,263	1,305	1,024	1,323	1,131	1,233
Patents Awarded	747	653	855	820	934	911	988
Public Sector	176	131	176	155	217	204	254
Private Sector	571	522	679	665	717	707	734

Source : Agency for Science, Technology and Research

1 As at end of period.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1741>

9



The Corporate Sector

9

The Corporate Sector



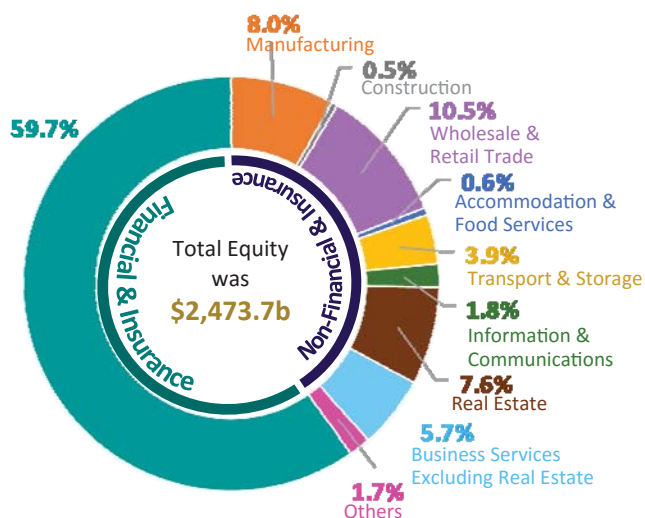
Data on the corporate sector cover companies incorporated or registered in Singapore, including branches of foreign companies. Partnerships and Sole-proprietorships are not included because of the difficulty in obtaining financial statements for such business enterprises. Data are extracted from financial accounts which companies file with the Accounting and Corporate Regulatory Authority (ACRA) or other government agencies.

Definitions



Total Equity: Refers to the shareholders' interest in the enterprise after deducting all its liabilities from its assets. Total equity comprises mainly share capital, retained earnings and other reserves. For Singapore branches of foreign-incorporated enterprises, head office accounts (i.e. the net amount owed by Singapore branches to the foreign head offices) are used as proxies for their equity.

Total Equity by Industry, (End of Period), 2015



Equity Ratio: Refers to the ratio of total equity to total assets. The ratio measures the dependence of companies on external funding, i.e. funding which is not from its shareholders or its overseas headquarters (for the local branch of a foreign enterprise). The lower the ratio, the higher is the company's dependence on external funding.

Current Ratio: Refers to the ratio of current assets to current liabilities. This ratio measures the liquidity of companies, i.e. their ability to meet current debt payments when due. A ratio of 1 indicates that the company has exactly balanced its current liabilities with current assets. The lower the ratio is below 1, the higher is the risk of the company running into a liquidity problem. A ratio above 1 indicates excess liquidity in the company.

Rate of Return on Total Assets (ROA): Refers to the ratio of pre-tax profit before deducting interest payments in the year to the average of total assets at the beginning and at the end of the year. This ratio measures the efficiency of companies in using their available resources.

Rate of Return on Total Equity (ROE): Refers to the ratio of pre-tax net profit in the year to the average of total equity at the beginning and at the end of the year. This ratio measures companies' profitability, i.e. the rate of return that companies have earned on the capital provided by shareholders, after accounting for payments to all other capital providers.

Other References



The report "Singapore's Corporate Sector", published by the Singapore Department of Statistics, contains analysis of the data and detailed tables showing the aggregated balance sheets and profit and loss accounts.

9.1 TOTAL EQUITY BY INDUSTRY

(End of Period)

Billion Dollars

Industry	2009	2010	2011	2012	2013	2014	2015
Total	1,299.6	1,366.4	1,340.4	1,541.0	1,845.1	2,224.7	2,473.7
Financial & Insurance	744.6	777.8	729.7	884.3	1,114.0	1,360.7	1,477.8
Non-Financial & Insurance	555.0	588.6	610.7	656.7	731.1	864.0	995.9
Manufacturing	142.8	148.2	158.4	146.5	168.1	165.6	198.8
Construction	9.9	8.6	8.9	9.3	10.7	12.2	11.5
Wholesale & Retail Trade	114.0	129.9	134.6	158.4	167.2	224.6	260.0
Accommodation & Food Services	8.2	8.2	8.2	10.1	10.6	12.5	14.1
Transport & Storage	74.9	75.6	69.6	75.5	87.3	88.3	95.4
Information & Communications	23.8	24.8	19.5	27.2	32.9	39.7	45.2
Real Estate	107.6	116.4	124.2	135.4	146.0	177.8	189.0
Business Services Excluding Real Estate	48.2	50.8	57.7	63.9	73.6	103.3	140.6
Others	25.5	26.0	29.6	30.3	34.6	40.0	41.4

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9908>

9.2 TOTAL ASSETS BY INDUSTRY

(End of Period)

Billion Dollars

Industry	2009	2010	2011	2012	2013	2014	2015
Total	4,269.2	4,644.2	4,888.2	5,305.6	5,993.6	6,723.4	7,213.6
Financial & Insurance	2,925.3	3,173.2	3,331.3	3,635.6	4,135.6	4,656.6	4,969.1
Non-Financial & Insurance	1,343.9	1,471.0	1,556.9	1,670.0	1,858.0	2,066.8	2,244.5
Manufacturing	277.4	292.4	299.7	286.3	305.9	306.6	339.8
Construction	33.7	32.6	33.0	34.1	36.1	34.6	36.4
Wholesale & Retail Trade	366.0	434.4	472.2	548.1	632.5	668.7	706.2
Accommodation & Food Services	15.5	17.3	18.7	20.2	21.5	25.4	28.8
Transport & Storage	163.4	169.4	172.6	182.8	201.9	242.1	263.3
Information & Communications	56.2	65.3	62.1	68.8	74.4	86.2	97.6
Real Estate	254.3	264.9	275.0	293.0	314.1	385.3	408.1
Business Services Excluding Real Estate	109.0	118.0	136.7	137.1	168.2	213.7	256.3
Others	68.4	76.7	86.9	99.6	103.3	104.2	108.1

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9912>

9.3 RETURNS ON EQUITY BY INDUSTRY

(End of Period)

Industry							Per Cent
	2009	2010	2011	2012	2013	2014	2015
Total	12.1	14.3	13.3	14.5	11.8	11.6	9.3
Financial & Insurance	8.1	9.5	9.3	11.0	9.0	9.1	6.3
Non-Financial & Insurance	17.8	20.5	18.4	18.9	15.9	15.4	13.9
Manufacturing	24.8	23.1	20.6	25.0	19.8	24.6	20.1
Construction	36.9	36.5	35.3	25.3	16.0	12.2	10.4
Wholesale & Retail Trade	21.7	24.4	23.2	22.7	20.5	17.4	16.4
Accommodation & Food Services	13.4	12.5	16.9	11.6	11.0	16.3	14.0
Transport & Storage	8.4	5.0	4.4	5.0	5.8	6.8	11.3
Information & Communications	15.9	42.7	32.9	47.6	17.4	18.1	12.7
Real Estate	7.2	20.0	17.6	15.2	15.1	12.3	9.5
Business Services Excluding Real Estate	16.3	17.2	12.2	9.7	9.8	7.3	8.7
Others	33.2	18.1	18.5	15.4	14.9	15.4	14.9

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13754>

9.4 RETURNS ON ASSETS BY INDUSTRY

(End of Period)

Industry							Per Cent
	2009	2010	2011	2012	2013	2014	2015
Total	4.4	4.8	4.3	4.6	4.0	4.2	3.7
Financial & Insurance	2.8	3.0	2.7	3.1	2.8	3.0	2.3
Non-Financial & Insurance	7.9	8.8	7.8	7.9	6.8	6.8	6.6
Manufacturing	12.9	12.1	11.0	13.3	10.8	13.7	11.6
Construction	10.4	10.6	9.8	7.2	4.9	4.3	3.9
Wholesale & Retail Trade	7.3	7.8	7.2	7.0	6.2	5.9	6.4
Accommodation & Food Services	7.2	6.8	8.3	6.0	5.9	8.6	7.4
Transport & Storage	4.6	2.9	2.4	2.6	3.2	3.4	4.8
Information & Communications	7.4	17.5	12.1	17.7	7.9	8.7	6.5
Real Estate	3.7	9.3	8.5	7.6	7.7	6.3	5.0
Business Services Excluding Real Estate	7.8	8.0	5.6	4.7	4.9	3.9	5.0
Others	14.1	7.4	7.0	6.0	5.5	6.4	6.8

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13755>

9.5 EQUITY RATIOS OF COMPANIES BY INDUSTRY

(End of Period)

Industry	2009	2010	2011	2012	2013	2014	2015
Total	0.30	0.29	0.27	0.29	0.31	0.33	0.34
Financial & Insurance	0.25	0.25	0.22	0.24	0.27	0.29	0.30
Non-Financial & Insurance	0.41	0.40	0.39	0.39	0.39	0.42	0.44
Manufacturing	0.51	0.51	0.53	0.51	0.55	0.54	0.59
Construction	0.29	0.26	0.27	0.27	0.30	0.35	0.32
Wholesale & Retail Trade	0.31	0.30	0.29	0.29	0.26	0.34	0.37
Accommodation & Food Services	0.53	0.47	0.44	0.50	0.49	0.49	0.49
Transport & Storage	0.46	0.45	0.40	0.41	0.43	0.36	0.36
Information & Communications	0.42	0.38	0.31	0.40	0.44	0.46	0.46
Real Estate	0.42	0.44	0.45	0.46	0.46	0.46	0.46
Business Services Excluding Real Estate	0.44	0.43	0.42	0.47	0.44	0.48	0.55
Others	0.37	0.34	0.34	0.30	0.33	0.38	0.38

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2056>

9.6 CURRENT RATIOS OF COMPANIES BY INDUSTRY

(End of Period)

Industry	2009	2010	2011	2012	2013	2014	2015
Total	1.06	1.09	1.04	1.06	1.06	1.14	1.11
Financial & Insurance	0.98	1.01	0.97	0.98	0.99	1.09	1.06
Non-Financial & Insurance	1.29	1.31	1.27	1.29	1.28	1.29	1.30
Manufacturing	1.70	1.75	1.68	1.66	1.85	1.69	1.88
Construction	1.22	1.15	1.15	1.18	1.21	1.33	1.26
Wholesale & Retail Trade	1.27	1.26	1.23	1.25	1.22	1.27	1.27
Accommodation & Food Services	1.15	0.94	0.65	0.86	0.95	1.00	1.06
Transport & Storage	1.05	1.08	0.99	1.05	1.07	0.88	0.81
Information & Communications	1.12	1.03	1.02	0.96	1.06	1.07	1.14
Real Estate	1.07	1.21	1.36	1.69	1.51	1.63	1.40
Business Services Excluding Real Estate	1.21	1.26	1.20	1.17	1.14	1.20	1.30
Others	1.29	1.33	1.16	0.88	0.98	1.10	1.17

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2054>

10



Formation and Cessation of Business Entities

10

Formation and Cessation of Business Entities



Coverage and Sources of Data



Data on business entities are primarily sourced from the registration records of the Accounting and Corporate Regulatory Authority (ACRA).

Business entities refer to companies, sole proprietorships & partnerships, limited liability partnerships, limited partnerships and public accounting firms.

Definitions



Formation: Refers to business entities incorporated or registered with ACRA.

Cessation: Refers to business entities which have ceased operation. Cessation statuses include ceased, struck off, amalgamated, cancelled and dissolved.

64,936 business entities were formed in 2016

61,138 business entities ceased operation in 2016



10.1 FORMATION OF ALL BUSINESS ENTITIES BY TYPE

	2010	2011	2012	2013	2014	2015	Number 2016
Total	53,721	55,776	56,748	60,203	77,379	64,906	64,936
Companies	27,642	29,987	31,741	34,976	38,484	34,243	35,228
Sole-proprietorships & Partnerships	23,837	23,409	22,727	22,835	35,675	28,480	27,120
Limited Liability Partnerships	2,156	2,321	2,211	2,312	3,104	2,100	2,431
Limited Partnerships	64	38	52	58	98	66	142
Public Accounting Firms	22	21	17	22	18	17	15

Source : Accounting and Corporate Regulatory Authority (ACRA)

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13416>

10.2 CESSATION OF ALL BUSINESS ENTITIES BY TYPE

	2010	2011	2012	2013	2014	2015	Number 2016
Total	39,977	43,214	42,429	41,778	42,578	52,150	61,138
Companies	15,002	19,257	18,951	18,135	19,303	21,472	23,221
Sole-proprietorships & Partnerships	24,183	22,946	22,414	22,578	22,066	29,366	36,214
Limited Liability Partnerships	779	957	1,014	1,011	1,150	1,240	1,612
Limited Partnerships	7	30	33	34	41	53	66
Public Accounting Firms	6	24	17	20	18	19	25

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The statistics on business entities cessation have been adjusted to provide a more accurate reflection of the underlying cessation trends. In 2016, ACRA conducted periodic reviews and removed from its public register, sole proprietorships & partnerships that failed to renew their registrations, and companies that were dormant. These periodic removal of business entities took place at ad hoc intervals and impacted published statistics on business entities cessation. The number of business entities cessation have therefore been adjusted to reflect the removal of such business entities at the date when they would have normally been removed. Going forward, such review and removal exercises will be conducted on a regular basis to provide a more accurate reflection of cessation trends.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13423>

10.3 FORMATION OF ALL BUSINESS ENTITIES BY INDUSTRY

	2010	2011	2012	2013	2014	2015	Number 2016
Total	53,721	55,776	56,748	60,203	77,379	64,906	64,936
Manufacturing	2,433	2,383	2,214	2,389	2,666	2,247	2,079
Construction	3,456	3,387	3,305	3,438	3,603	3,268	3,031
Wholesale Trade	9,960	10,234	10,191	10,472	12,868	9,696	9,388
Retail Trade	5,267	5,658	6,047	6,573	12,037	6,530	5,828
Transportation & Storage	2,109	2,268	2,280	2,486	3,381	8,673	11,472
Accommodation	103	115	130	120	91	91	83
Food & Beverage Service Activities	2,959	2,878	2,905	2,879	3,367	3,034	2,968
Information & Communications	3,500	3,837	4,097	4,968	7,095	5,342	5,209
Financial & Insurance Activities	4,808	5,224	5,331	5,309	4,923	4,749	4,526
Real Estate Activities	1,037	1,050	1,019	934	665	633	599
Professional, Scientific & Technical Activities	8,267	8,669	9,007	9,902	12,442	9,862	9,347
Administrative & Support Service Activities	3,029	3,229	3,154	3,274	4,399	3,243	3,146
Education, Health & Social Services	3,015	3,102	3,318	3,716	4,564	3,678	3,325
Arts, Entertainment, Recreation & Other Service Activities	3,453	3,325	3,377	3,406	4,870	3,500	3,480
Others	325	417	373	337	408	360	455

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.
Business entities include companies, sole-proprietorships, partnerships, limited liability partnerships,
limited partnerships and public accounting firms.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14364>

10.4 CESSATION OF ALL BUSINESS ENTITIES BY INDUSTRY

	2010	2011	2012	2013	2014	2015	Number 2016
Total	39,977	43,214	42,429	41,778	42,578	52,150	61,138
Manufacturing	2,111	2,097	1,990	1,871	1,805	2,098	2,351
Construction	2,381	2,584	2,465	2,462	2,425	2,589	2,693
Wholesale Trade	8,650	9,480	8,943	8,559	8,460	9,863	10,821
Retail Trade	4,457	4,624	4,803	4,918	5,198	7,920	8,680
Transportation & Storage	1,758	1,850	1,771	1,848	1,785	2,345	5,569
Accommodation	73	89	60	83	78	48	84
Food & Beverage Service Activities	2,235	2,638	2,473	2,359	2,296	2,515	2,792
Information & Communications	2,372	2,662	2,722	2,621	2,993	3,859	4,663
Financial & Insurance Activities	2,215	2,510	2,681	2,692	2,837	3,037	3,323
Real Estate Activities	890	1,024	806	711	789	765	768
Professional, Scientific & Technical Activities	5,346	5,765	5,839	5,778	6,063	7,670	8,878
Administrative & Support Service Activities	2,403	2,624	2,526	2,514	2,466	2,991	3,208
Education, Health & Social Services	1,699	1,866	1,951	2,098	2,176	2,615	3,124
Arts, Entertainment, Recreation & Other Service Activities	3,169	3,175	3,180	3,028	2,964	3,554	3,868
Others	218	226	219	236	243	281	316

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

Business entities include companies, sole-proprietorships, partnerships, limited liability partnerships, limited partnerships and public accounting firms.

The statistics on business entities cessation have been adjusted to provide a more accurate reflection of the underlying cessation trends. In 2016, ACRA conducted periodic reviews and removed from its public register, sole proprietorships & partnerships that failed to renew their registrations, and companies that were dormant.

These periodic removal of business entities took place at ad hoc intervals and impacted published statistics on business entities cessation. The number of business entities cessation have therefore been adjusted to reflect the removal of such business entities at the date when they would have normally been removed. Going forward, such review and removal exercises will be conducted on a regular basis to provide a more accurate reflection of cessation trends.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13413>

10.5 FORMATION OF COMPANIES BY INDUSTRY

	2010	2011	2012	2013	2014	2015	Number 2016
Total	27,642	29,987	31,741	34,976	38,484	34,243	35,228
Manufacturing	1,288	1,323	1,297	1,432	1,449	1,373	1,277
Construction	1,732	1,792	1,879	2,069	2,205	2,074	1,977
Wholesale Trade	5,949	6,414	6,632	7,000	7,640	6,614	6,778
Retail Trade	1,207	1,375	1,651	1,918	2,662	2,057	2,185
Transportation & Storage	1,118	1,147	1,187	1,400	1,433	1,316	1,276
Accommodation	54	65	81	81	57	61	57
Food & Beverage Service Activities	1,299	1,362	1,491	1,523	1,660	1,605	1,760
Information & Communications	1,943	2,250	2,529	3,153	4,086	3,608	3,901
Financial & Insurance Activities	4,234	4,671	4,883	4,869	4,484	4,418	4,265
Real Estate Activities	780	828	808	741	497	470	503
Professional, Scientific & Technical Activities	4,266	4,673	5,067	6,025	6,686	5,759	6,070
Administrative & Support Service Activities	1,350	1,539	1,559	1,758	1,906	1,665	1,773
Education, Health & Social Services	1,328	1,374	1,514	1,719	2,062	1,812	1,764
Arts, Entertainment, Recreation & Other Service Activities	866	864	901	1,053	1,396	1,181	1,327
Others	228	310	262	235	261	230	315

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13424>

10.6 CESSATION OF COMPANIES BY INDUSTRY

							Number
	2010	2011	2012	2013	2014	2015	2016
Total	15,002	19,257	18,951	18,135	19,303	21,472	23,221
Manufacturing	842	1,019	919	838	841	908	953
Construction	746	1,094	940	942	954	964	1,028
Wholesale Trade	4,189	5,403	5,016	4,665	4,808	5,253	5,592
Retail Trade	702	901	931	924	1,010	1,217	1,465
Transportation & Storage	705	836	821	776	768	810	897
Accommodation	31	50	32	48	39	22	40
Food & Beverage Service Activities	622	936	909	893	942	1,017	1,019
Information & Communications	1,000	1,358	1,454	1,279	1,473	1,860	2,188
Financial & Insurance Activities	1,881	2,118	2,263	2,324	2,500	2,663	2,904
Real Estate Activities	533	540	491	470	543	516	526
Professional, Scientific & Technical Activities	1,872	2,564	2,606	2,544	2,742	3,345	3,672
Administrative & Support Service Activities	755	1,007	1,028	930	1,011	1,116	1,121
Education, Health & Social Services	415	539	622	663	723	828	891
Arts, Entertainment, Recreation & Other Service Activities	619	757	800	697	803	774	742
Others	90	135	119	142	146	179	183

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

The statistics on business entities cessation have been adjusted to provide a more accurate reflection of the underlying cessation trends. In 2016, ACRA conducted periodic reviews and removed from its public register, sole proprietorships & partnerships that failed to renew their registrations, and companies that were dormant.

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Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13419>

10.7 FORMATION OF SOLE-PROPRIETORSHIPS & PARTNERSHIPS BY INDUSTRY

	2010	2011	2012	2013	2014	2015	Number 2016
Total	23,837	23,409	22,727	22,835	35,675	28,480	27,120
Manufacturing	1,090	997	856	896	1,133	814	731
Construction	1,665	1,520	1,358	1,306	1,344	1,136	987
Wholesale Trade	3,697	3,512	3,258	3,150	4,866	2,846	2,291
Retail Trade	3,784	3,926	4,029	4,296	8,774	4,158	3,258
Transportation & Storage	960	1,077	1,045	1,032	1,853	7,279	10,102
Accommodation	43	43	44	32	31	24	20
Food & Beverage Service Activities	1,530	1,369	1,285	1,221	1,551	1,307	1,026
Information & Communications	1,325	1,325	1,338	1,560	2,696	1,519	1,065
Financial & Insurance Activities	459	441	353	304	332	258	169
Real Estate Activities	216	192	156	146	131	110	73
Professional, Scientific & Technical Activities	3,527	3,555	3,528	3,455	5,181	3,674	2,805
Administrative & Support Service Activities	1,519	1,540	1,442	1,362	2,215	1,425	1,196
Education, Health & Social Services	1,494	1,517	1,610	1,768	2,174	1,649	1,308
Arts, Entertainment, Recreation & Other Service Activities	2,443	2,302	2,323	2,212	3,256	2,159	1,967
Others	85	93	102	95	138	122	122

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13418>

10.8 CESSATION OF SOLE-PROPRIETORSHIPS & PARTNERSHIPS BY INDUSTRY

	2010	2011	2012	2013	2014	2015	Number 2016
Total	24,183	22,946	22,414	22,578	22,066	29,366	36,214
Manufacturing	1,242	1,052	1,042	1,009	940	1,152	1,351
Construction	1,618	1,462	1,499	1,475	1,451	1,595	1,614
Wholesale Trade	4,324	3,910	3,752	3,736	3,491	4,436	5,006
Retail Trade	3,663	3,591	3,706	3,839	4,014	6,486	6,933
Transportation & Storage	1,034	989	930	1,053	998	1,502	4,625
Accommodation	37	31	28	30	35	25	39
Food & Beverage Service Activities	1,559	1,631	1,476	1,389	1,271	1,416	1,698
Information & Communications	1,293	1,219	1,166	1,220	1,375	1,867	2,282
Financial & Insurance Activities	299	363	378	338	281	319	358
Real Estate Activities	348	471	307	228	227	231	222
Professional, Scientific & Technical Activities	3,330	3,014	3,062	3,054	3,114	4,083	4,893
Administrative & Support Service Activities	1,595	1,547	1,413	1,517	1,363	1,780	1,941
Education, Health & Social Services	1,218	1,239	1,253	1,344	1,338	1,692	2,106
Arts, Entertainment, Recreation & Other Service Activities	2,500	2,342	2,311	2,255	2,076	2,684	3,017
Others	123	85	91	91	92	98	129

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

The statistics on business entities cessation have been adjusted to provide a more accurate reflection of the underlying cessation trends. In 2016, ACRA conducted periodic reviews and removed from its public register, sole proprietorships & partnerships that failed to renew their registrations, and companies that were dormant.

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11



Agriculture, Animal Production and Fisheries

11

Agriculture, Animal Production and Fisheries



General



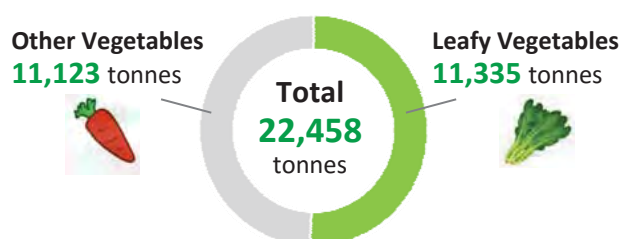
The agricultural sector of Singapore is engaged mainly in the production of eggs, fish and vegetables for local consumption, as well as orchids and ornamental fish for export. About one per cent of Singapore's land area is used for agricultural purposes.

Horticulture



The main crops cultivated in Singapore are vegetables and orchids. The vegetable and food crop production in local farms are mainly leafy vegetables and bean sprouts. With more than 90% of the leafy vegetables derived from soil cultivation, intensive and modern farming methods are adopted to maximise vegetable production and to ensure production of high quality leafy vegetables.

Local Vegetable Production, 2016



A number of farms and nurseries grow orchids, ornamental and foliage plants (which include potted plants, foliages, ornamental plants, aquatic plants and tissue-cultured plantlets) for export and domestic sale. Singapore is a major exporter of quality cut orchids.

Local Orchid Production, 2016



6

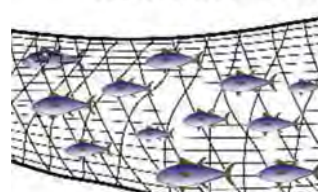
million stalks

Fisheries



Local fish production comprises mainly aquaculture produces from fish farms with small quantities from local capture fisheries. Singapore also imports, exports and tranships fish caught by foreign vessels.

Local Fish Production, 2016



6,086
tonnes

The Jurong Fishery Port (JFP) is a major seafood landing and distribution point in Singapore. JFP handled about 44,900 tonnes of seafood in 2016, the bulk of which comprised fresh seafood landed by foreign vessels as well as those imported by air and road. The Senoko Fishery Port (SFP) began its operations in September 1997. A home base for local fishing vessels, the port handled locally-produced and imported seafood totaling about 6,300 tonnes of seafood in 2016. There are 140 seafood processing establishments licensed to manufacture fishery products in Singapore. Four processing establishments and one cold store are approved to export seafood products to the EU countries.

There are 117 floating fish farms covering 102.5 hectares of coastal waters, culturing various fish species like milk fish, mullet, snappers, trevally, groupers, tilapia, pompano, threadfin and seabass for the live fish market and supermarkets.

11.1 LOCAL PRODUCTION

	Unit	2010	2011	2012	2013	2014	2015	2016
Seafood ¹	Tonnes	5,232	5,599	5,547	6,775	6,379	7,695	6,822
Fish	Tonnes	4,919	5,094	5,127	5,864	5,639	6,536	6,086
Other Seafood (crustaceans and molluscs)	Tonnes	312	505	420	911	740	1,159	736
Local Landings of Seafood	Tonnes	1,733	1,618	1,970	1,644	1,434	1,264	1,235
Vegetables	Tonnes	19,491	20,355	21,405	21,785	22,720	23,039	22,458
Leafy Vegetables	Tonnes	9,347	9,436	10,227	10,308	10,848	11,420	11,335
Other Vegetables	Tonnes	10,144	10,919	11,178	11,476	11,872	11,619	11,123
Hen Eggs	Million Pieces	340	384	402	438	433	421	452
Aquarium Fish	Million Pieces	112	110	106	114	109	77	77
Orchids	Million Stalks	10	11	10	9	10	8	6
Ornamental Plants ²	Million Plants	40	41	38	41	48	na	na

Source : Agri-Food & Veterinary Authority

1 Includes local landings, coastal and land-based farm production.

2 Includes potted plants, foliages, ornamental plants, aquatic plants and tissue-cultured plantlets.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1749>

11.2 LIVESTOCK SLAUGHTERED

	2010	2011	2012	2013	2014	2015	2016
	Thousand						
Poultry	50,976	52,156	51,995	53,048	52,216	53,610	54,309
Chickens	44,659	46,196	46,099	47,036	46,132	48,008	48,820
Ducks	6,317	5,960	5,896	6,012	6,084	5,601	5,489
Pigs	289	312	324	330	336	333	333

Source : Agri-Food & Veterinary Authority

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1747>

11.3 SEAFOOD SUPPLY AND WHOLESALE

	Tonnes						
	2010	2011	2012	2013	2014	2015	2016
Seafood Supply							
Local Production ¹	5,232	5,599	5,547	6,775	6,379	7,695	6,822
Imports ²	134,546	132,937	128,147	126,567	123,107	124,369	120,184
Exports ²	40,215	32,311	29,649	26,334	17,237	23,064	19,729
Seafood Wholesale ³	58,888	62,635	61,405	59,094	54,000	49,431	47,092

Source : Seafood Supply (Local Production) and Seafood Wholesale - Agri-Food & Veterinary Authority
 Seafood Supply (Imports and Exports) - International Enterprise Singapore

Notes : Seafood refers to fish, crustaceans and molluscs.

Data on imports and exports of seafood are based on Standard International Trade Classification Revision 4.1.

- 1 Includes seafood from local landings, coastal and land-based farm production.
- 2 Excludes dried, salted and fish in brine.
- 3 Includes fresh, frozen seafood and 'Low-value fish'.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1748>

12



Manufacturing

12

Manufacturing



Census of Manufacturing Activities



A census of manufacturing establishments is conducted annually by the Research and Statistics Unit of the Economic Development Board (EDB). The results provide comprehensive data for the study of the structure and trends of the manufacturing sector.

The activities covered in the census include manufacturing and industrial servicing. They are classified according to the Singapore Standard Industrial Classification 2015.

The census is conducted by mail inquiry and via the internet, using two standard questionnaires. The reference period is the calendar year, except for those establishments whose financial years do not coincide with the calendar year.

Definitions



Establishment: Refers to a manufacturing unit engaged in one manufacturing activity and generally operating at one location.

Workers: Refers to all persons engaged in the industrial activity of the establishment, that is, all employees, the self-employed and their relatives. Data generally refer to employment as at 30 June, except where establishments commence operation after June.

Remuneration: Refers to the amount expended for the whole year. For employees, total remuneration comprises salaries (including bonuses), contributions to the Central Provident Fund and pensions paid by employers, and other benefits provided. For working proprietors, it refers to the amount withdrawn for their personal use. For unpaid family workers, it refers to allowances.

Manufacturing Output: Refers to the total value of all commodities produced (including by-products) and industrial services rendered during the year.

Total Output: Refers to the total value of goods and services derived from a production process and ancillary activities such as management or marketing. As such, it includes manufacturing output and other operating income.



Total Output for the Manufacturing Sector in 2016 was

S\$270.5 billion

Materials Used: Covers raw or basic materials, chemicals and packing materials consumed in the production. They refer to the actual consumption during the year.

Value Added: Refers to total output less materials, utilities, fuel, transportation charges, work given out and other operating costs.



Value Added for the Manufacturing Sector in 2016 amounted to

S\$69.3 billion

Net Operating Surplus: Refers to value-added less remuneration, depreciation of fixed assets and indirect taxes.

Sales and Direct Exports: Refers to local sales or exports to other countries of goods manufactured. Resale of goods not manufactured by the establishments is excluded.

Gross Value of Fixed Assets: Refers to the accumulated cost of acquiring the fixed assets.

Manufacturing ■



Net Value of Fixed Assets: Refers to the gross value net of accumulated depreciation.

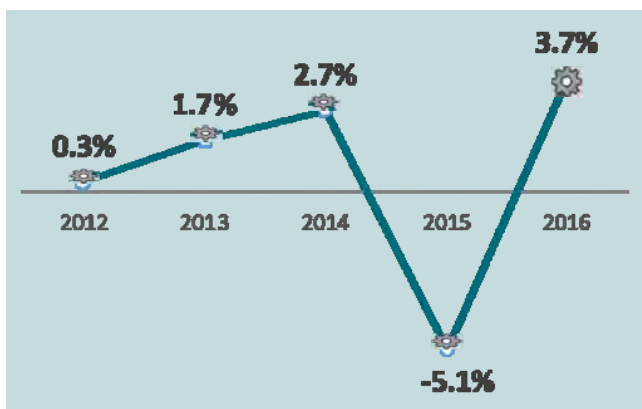
Index of Industrial Production



The index of industrial production covers all manufacturing activities classified under Section C of the Singapore Standard Industrial Classification 2015. The indices published are at the 2-digit industry division and total manufacturing levels.

The base year for the index of industrial production is 2015. The value-added weighting pattern is based on data from the 2014 Census of Manufacturing Activities. The weighting pattern reflects the relative importance of the industry divisions and changing structure within the manufacturing sector. The Laspeyres' formula is used for the compilation of the index.

Annual Growth in Index of Industrial Production



Indices of Business and Labour Costs



The **Unit Business Cost Index (UBCI)** is compiled by the Singapore Department of Statistics. It measures the relative business cost of producing one unit of real manufacturing output with respect to the base year. The main

components of business cost are labour cost, services cost, as well as non-labour production taxes. The UBCI is compiled based on the benchmark on business cost from the Census of Manufacturing Activities (CMA) and extrapolated using data from the Monthly Survey of Manufacturing Activities (MMA).

Unit Labour Cost (ULC) is defined as the average cost of labour per unit of real output. Total labour cost consists of Compensation of Employees received by the employees, labour income of the self-employed, other labour-related costs (for example, Foreign Worker Levy and net training costs) incurred by the employers and wage subsidies (for example, Wage Credit Scheme and Jobs Credit Scheme) that are provided to the employers. Wage subsidies reduce labour costs to employers, and are netted off from total labour cost.

Other References



More detailed statistics on the manufacturing sector are available from the "Census of Manufacturing Activities", published annually by the Research and Statistics Unit of EDB.

The concept and methodology underlying the compilation of the ULC index can be found in the information paper on "Quarterly Unit Labour Cost Index by Industry".

The information paper on "Methodological Review on the Unit Business Cost Index for the Manufacturing Industry (Base Year 2010 = 100)" provides details on the concept, methodology and data sources underlying the compilation of the UBCI.

12.1 PRINCIPAL MANUFACTURING STATISTICS

	Unit	2010	2011	2012	2013	2014	2015	2016
Establishments	No.	9,090	9,008	9,577	9,303	9,106	8,778	na
Workers	No.	414,176	418,324	424,622	424,505	416,406	403,286	381,945
Materials	\$m	151,927	169,379	168,685	163,561	167,343	145,057	128,614
Remuneration	\$m	17,987	18,965	19,694	20,722	21,806	21,678	21,040
Other Operating Cost	\$m	62,251	65,163	70,676	76,021	75,551	70,632	na
Manufacturing Output	\$m	261,364	281,703	288,279	285,431	291,424	271,120	256,370
Total Output	\$m	274,403	295,529	301,551	299,624	306,642	284,691	270,455
Value Added	\$m	60,225	60,986	62,189	60,042	63,748	69,001	69,329
Net Operating Surplus	\$m	34,979	34,758	34,475	31,486	33,800	38,213	na
Direct Exports	\$m	179,108	190,093	192,261	189,935	189,639	183,295	na
Net Fixed Assets	\$m	51,760	57,773	58,930	64,107	67,987	66,538	na
Gross Fixed Assets	\$m	128,971	132,025	140,440	150,830	164,168	172,563	na

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2814>

12.2 SELECTED AVERAGES AND RATIOS IN THE MANUFACTURING SECTOR

	Unit	2010	2011	2012	2013	2014	2015	2016
Remuneration Per Worker	\$'000	43.4	45.3	46.4	48.8	52.4	53.8	55.1
Manufacturing Output Per Worker	\$'000	631.0	673.4	678.9	672.4	699.9	672.3	671.2
Value Added Per Worker	\$'000	145.4	145.8	146.5	141.4	153.1	171.1	181.5
Net Fixed Assets Per Worker	\$'000	125.0	138.1	138.8	151.0	163.3	165.0	na
Remuneration to Total Output	%	6.6	6.4	6.5	6.9	7.1	7.6	7.8
Remuneration to Value Added	%	29.9	31.1	31.7	34.5	34.2	31.4	30.3
Value Added to Total Output	%	21.9	20.6	20.6	20.0	20.8	24.2	25.6
Direct Exports to Manufacturing Output	%	68.5	67.5	66.7	66.5	65.1	67.6	na
Direct Exports to Total Sales	%	68.3	67.1	67.0	66.4	65.0	67.4	na

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1752>

12.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY

								Number
Code	Industry	2009	2010	2011	2012	2013	2014	2015
10/11/12	Food, Beverages & Tobacco	851	838	819	864	848	865	847
13	Textiles	105	94	93	99	99	90	89
14	Wearing Apparel	502	461	446	446	412	384	362
15	Leather Products	31	25	25	27	23	20	18
16	Wood & Wood Products	121	116	111	145	147	143	135
17	Paper & Paper Products	112	109	100	105	101	99	91
18	Printing & Reproduction of Recorded Media	860	836	815	952	927	911	882
19	Refined Petroleum Products	14	14	14	14	14	16	17
20	Chemicals & Chemical Products	279	272	278	298	284	273	264
21	Pharmaceuticals & Biological Products	44	43	44	50	49	50	51
22	Rubber & Plastic Products	358	344	341	327	305	298	283
23	Non-metallic Mineral Products	145	143	146	145	141	134	131
24	Basic Metals	30	30	30	34	33	36	36
25	Fabricated Metal Products	1,267	1,271	1,273	1,357	1,323	1,291	1,252
26	Computer, Electronic & Optical Products	307	296	290	326	327	317	313
27	Electrical Equipment	250	247	248	258	261	247	230
28	Machinery & Equipment	1,806	1,736	1,699	1,768	1,724	1,684	1,623
29	Motor Vehicles, Trailers & Semi-Trailers	74	77	73	75	70	65	65
30	Other Transport Equipment	1,022	1,022	1,006	1,112	1,073	1,058	1,002
31	Furniture	615	620	653	655	638	624	608
32	Other Manufacturing Industries	503	496	504	520	504	501	479
	Total Manufacturing	9,296	9,090	9,008	9,577	9,303	9,106	8,778

Source : Economic Development Board

Notes : Data include all manufacturing establishments
The industries are classified according to the Singapore Standard Industrial Classification 2015.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=788>

12.4 MANUFACTURING OUTPUT IN MANUFACTURING BY INDUSTRY

		Million Dollars						
Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	7,907.8	9,087.9	9,327.9	9,268.7	9,607.4	9,964.1	9,701.6
13	Textiles	52.5	62.9	56.9	59.0	47.8	49.4	47.1
14	Wearing Apparel	584.7	592.9	539.1	443.1	313.5	220.7	199.9
15	Leather Products	98.7	136.0	152.7	164.4	157.0	164.9	136.4
16	Wood & Wood Products	217.5	217.6	295.5	305.0	317.2	295.1	269.8
17	Paper & Paper Products	1,095.8	1,052.7	1,013.4	1,060.3	1,074.5	1,053.4	1,036.1
18	Printing & Reproduction of Recorded Media	2,583.3	2,569.7	2,395.2	2,276.4	2,295.8	2,154.3	1,847.0
19	Refined Petroleum Products	41,951.6	55,625.4	56,882.4	50,505.6	45,549.2	32,233.9	25,217.7
20	Chemicals & Chemical Products	36,388.8	40,569.4	39,633.5	47,422.5	53,176.2	42,821.6	38,105.4
21	Pharmaceuticals & Biological Products	17,369.6	20,729.1	23,288.1	16,066.1	15,821.1	15,984.2	17,461.6
22	Rubber & Plastic Products	2,154.7	1,991.8	1,901.1	1,847.2	1,825.9	1,699.7	1,592.3
23	Non-metallic Mineral Products	1,770.2	2,032.1	2,355.3	2,485.4	2,045.7	1,970.2	1,662.5
24	Basic Metals	1,141.3	1,310.0	1,230.8	1,025.6	1,372.3	1,138.4	981.1
25	Fabricated Metal Products	9,087.8	9,150.8	9,511.6	9,325.8	9,357.5	8,624.3	7,973.5
26	Computer, Electronic & Optical Products	95,886.2	89,542.0	86,922.5	88,991.3	84,381.2	94,455.9	95,673.3
27	Electrical Equipment	2,295.0	2,313.0	2,438.3	2,436.0	2,600.9	2,573.3	2,631.3
28	Machinery & Equipment	20,518.3	23,562.4	26,446.3	26,847.7	30,920.6	27,243.7	22,331.6
29	Motor Vehicles, Trailers & Semi-Trailers	705.5	753.9	786.8	996.1	1,053.6	1,158.7	1,206.0
30	Other Transport Equipment	14,287.2	14,515.6	16,206.7	16,548.1	16,484.2	15,534.0	15,743.7
31	Furniture	847.4	838.8	885.5	960.7	897.5	876.8	831.1
32	Other Manufacturing Industries	4,420.2	5,049.3	6,009.7	6,396.4	12,124.3	10,903.6	11,720.7
Total Manufacturing		261,364.3	281,703.3	288,279.2	285,431.3	291,423.6	271,120.1	256,369.6

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10415>

12.5 TOTAL OUTPUT IN MANUFACTURING BY INDUSTRY

		Million Dollars						
Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	8,472.3	9,626.8	9,817.9	9,811.0	10,352.0	10,598.5	10,322.9
13	Textiles	54.1	65.9	59.4	61.6	50.4	53.5	51.3
14	Wearing Apparel	613.6	629.7	573.9	478.1	353.7	259.1	236.7
15	Leather Products	99.7	137.6	157.9	171.1	159.2	167.1	138.5
16	Wood & Wood Products	245.3	248.3	339.1	349.4	367.4	348.9	319.4
17	Paper & Paper Products	1,129.0	1,085.2	1,041.5	1,103.8	1,143.1	1,123.8	1,105.2
18	Printing & Reproduction of Recorded Media	2,676.4	2,677.4	2,467.4	2,352.4	2,376.6	2,251.2	1,931.3
19	Refined Petroleum Products	42,325.9	55,968.7	57,229.4	51,027.0	46,359.5	32,482.8	25,478.0
20	Chemicals & Chemical Products	38,230.6	42,723.8	41,121.1	50,019.7	55,340.4	44,916.5	40,104.2
21	Pharmaceuticals & Biological Products	18,061.1	21,618.9	25,121.1	16,920.2	16,891.3	16,721.2	18,281.2
22	Rubber & Plastic Products	2,360.4	2,189.0	2,061.8	2,020.2	2,011.2	1,857.1	1,744.1
23	Non-metallic Mineral Products	1,880.5	2,138.7	2,500.9	2,630.6	2,168.2	2,121.4	1,764.8
24	Basic Metals	1,158.8	1,329.8	1,255.2	1,044.9	1,387.4	1,161.5	1,003.0
25	Fabricated Metal Products	9,332.4	9,468.1	9,822.9	9,639.6	9,653.7	8,920.4	8,219.6
26	Computer, Electronic & Optical Products	101,827.6	95,066.6	91,861.8	93,938.2	89,463.6	98,625.4	99,253.2
27	Electrical Equipment	2,524.4	2,515.5	2,661.5	2,666.4	2,768.5	2,712.9	2,660.9
28	Machinery & Equipment	21,710.8	25,553.5	28,403.5	28,987.1	33,905.2	30,561.1	27,057.7
29	Motor Vehicles, Trailers & Semi-Trailers	723.1	780.8	808.6	1,021.7	1,089.2	1,178.6	1,225.5
30	Other Transport Equipment	15,333.7	15,495.7	17,135.8	17,557.3	17,554.6	16,637.2	16,778.7
31	Furniture	1,116.1	1,092.2	1,010.6	1,300.5	968.9	917.4	868.9
32	Other Manufacturing Industries	4,527.5	5,117.0	6,099.4	6,522.9	12,277.8	11,075.6	11,910.0
	Total Manufacturing	274,403.3	295,529.0	301,550.7	299,623.8	306,641.8	284,691.2	270,455.3

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12432>

12.6 VALUE ADDED OF MANUFACTURING ESTABLISHMENTS BY INDUSTRY

Million Dollars

Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	2,326.3	2,657.4	2,946.0	2,877.5	3,413.6	3,763.0	3,744.0
13	Textiles	18.0	19.4	21.6	21.4	17.7	21.1	21.1
14	Wearing Apparel	114.2	126.7	124.7	109.8	93.3	91.8	88.6
15	Leather Products	32.0	46.6	57.0	70.3	64.1	62.5	61.4
16	Wood & Wood Products	81.0	84.5	120.9	123.5	132.8	130.2	128.1
17	Paper & Paper Products	268.3	239.4	219.2	242.0	251.7	238.6	228.0
18	Printing & Reproduction of Recorded Media	1,339.6	1,346.2	1,236.2	1,196.2	1,207.0	1,133.2	1,048.7
19	Refined Petroleum Products	1,271.5	285.1	725.9	57.1	32.6	2,412.0	1,628.9
20	Chemicals & Chemical Products	4,732.0	5,011.9	3,298.7	5,200.6	5,620.5	7,992.9	11,845.5
21	Pharmaceuticals & Biological Products	8,460.4	11,694.4	14,235.5	9,031.9	9,506.2	10,417.2	11,774.7
22	Rubber & Plastic Products	803.3	721.3	688.7	701.4	720.4	708.3	676.2
23	Non-metallic Mineral Products	475.1	550.6	584.3	539.2	434.1	391.2	341.7
24	Basic Metals	164.6	179.4	214.9	157.7	126.9	163.3	149.5
25	Fabricated Metal Products	2,621.5	2,773.1	2,763.3	2,799.3	2,776.0	2,665.0	2,559.1
26	Computer, Electronic & Optical Products	22,507.8	19,247.6	18,909.8	19,394.5	20,001.3	21,218.2	18,063.8
27	Electrical Equipment	633.3	612.1	756.1	826.5	806.5	813.8	830.9
28	Machinery & Equipment	6,098.3	7,057.5	6,688.9	7,296.5	8,623.1	7,226.8	6,036.2
29	Motor Vehicles, Trailers & Semi-Trailers	187.0	231.7	206.9	347.3	356.0	351.6	361.4
30	Other Transport Equipment	5,914.9	5,823.0	5,929.1	6,268.8	6,386.3	5,892.3	5,924.8
31	Furniture	368.3	377.7	347.4	476.1	343.5	311.9	318.8
32	Other Manufacturing Industries	1,808.1	1,900.6	2,113.9	2,304.6	2,834.1	2,996.7	3,497.6
	Total Manufacturing	60,225.4	60,986.1	62,189.1	60,041.8	63,747.6	69,001.5	69,328.8

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12363>

12.7 WORKERS IN MANUFACTURING BY INDUSTRY

								Number
Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	26,781	27,868	28,950	29,350	30,105	30,550	30,529
13	Textiles	492	616	719	717	722	688	686
14	Wearing Apparel	2,959	3,616	3,188	2,950	2,203	2,106	2,090
15	Leather Products	555	573	663	673	625	605	567
16	Wood & Wood Products	1,987	2,003	2,523	2,718	2,769	2,516	2,488
17	Paper & Paper Products	4,001	3,860	3,670	3,587	3,638	3,556	3,503
18	Printing & Reproduction of Recorded Media	17,232	16,618	15,821	15,440	15,740	15,388	14,175
19	Refined Petroleum Products	3,645	3,681	3,754	4,073	4,302	4,404	4,380
20	Chemicals & Chemical Products	16,320	17,511	17,510	18,607	18,536	18,217	17,709
21	Pharmaceuticals & Biological Products	4,425	4,757	5,142	5,339	6,096	6,624	6,911
22	Rubber & Plastic Products	13,973	12,986	12,350	11,751	11,249	10,494	10,121
23	Non-metallic Mineral Products	6,159	6,653	6,870	6,835	5,247	4,768	4,633
24	Basic Metals	2,475	2,525	2,631	2,642	2,618	2,644	2,254
25	Fabricated Metal Products	41,376	41,519	43,847	42,998	41,871	40,073	38,910
26	Computer, Electronic & Optical Products	92,295	92,710	91,398	87,062	82,494	81,637	79,340
27	Electrical Equipment	7,709	7,634	7,771	8,008	7,935	7,982	8,130
28	Machinery & Equipment	63,823	65,634	69,160	73,457	73,059	69,736	64,850
29	Motor Vehicles, Trailers & Semi-Trailers	2,714	2,791	2,799	2,786	2,876	2,848	2,920
30	Other Transport Equipment	83,822	81,562	82,281	80,055	78,803	73,330	62,199
31	Furniture	8,574	9,213	9,579	10,524	8,926	8,015	7,867
32	Other Manufacturing Industries	12,859	13,994	13,996	14,933	16,592	17,105	17,683
	Total Manufacturing	414,176	418,324	424,622	424,505	416,406	403,286	381,945

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1754>

12.8 REMUNERATION IN MANUFACTURING BY INDUSTRY

		Million Dollars						
Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	890.7	956.1	993.1	1,066.2	1,146.0	1,208.1	1,201.2
13	Textiles	12.3	13.3	16.6	15.9	19.9	16.5	16.3
14	Wearing Apparel	67.5	80.0	72.0	69.4	58.1	64.4	63.5
15	Leather Products	16.7	21.4	25.4	29.7	27.8	28.1	28.0
16	Wood & Wood Products	49.6	52.2	75.9	79.7	81.5	80.6	78.7
17	Paper & Paper Products	156.8	156.2	155.6	159.0	167.1	167.0	175.1
18	Printing & Reproduction of Recorded Media	782.2	765.4	713.8	677.6	747.4	735.2	693.6
19	Refined Petroleum Products	511.9	576.3	579.6	580.8	800.3	866.4	844.9
20	Chemicals & Chemical Products	1,352.8	1,451.0	1,454.2	1,682.0	1,763.1	1,800.4	1,772.6
21	Pharmaceuticals & Biological Products	410.0	453.2	492.0	528.7	621.4	692.8	707.8
22	Rubber & Plastic Products	491.3	462.0	438.8	446.1	441.6	426.7	431.7
23	Non-metallic Mineral Products	200.0	226.6	236.5	245.4	195.4	184.8	166.8
24	Basic Metals	102.3	106.1	111.4	109.9	120.3	113.1	98.5
25	Fabricated Metal Products	1,458.9	1,498.1	1,564.4	1,625.9	1,640.7	1,581.9	1,534.1
26	Computer, Electronic & Optical Products	4,581.2	4,822.4	4,925.6	5,065.6	5,140.7	5,240.9	5,185.4
27	Electrical Equipment	355.1	355.8	379.0	400.9	414.3	408.7	417.2
28	Machinery & Equipment	2,840.8	3,105.9	3,341.5	3,628.0	3,986.5	3,842.0	3,486.4
29	Motor Vehicles, Trailers & Semi-Trailers	132.1	138.4	138.4	138.5	143.0	140.3	147.3
30	Other Transport Equipment	2,863.1	2,952.8	3,159.9	3,236.7	3,266.4	3,058.1	2,898.8
31	Furniture	229.9	238.8	247.2	306.2	252.2	220.6	211.5
32	Other Manufacturing Industries	481.8	533.4	573.2	629.3	772.5	801.2	881.0
	Total Manufacturing	17,987.1	18,965.5	19,694.2	20,721.7	21,805.9	21,678.0	21,040.1

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2016 data are preliminary estimates.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1751>

12.9 INDEX OF INDUSTRIAL PRODUCTION

(2015 =100)

Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	91.3	94.7	97.9	97.9	99.4	100.0	103.7
13	Textiles	167.4	137.1	140.1	119.5	102.7	100.0	92.4
14	Wearing Apparel	529.2	429.3	395.4	334.1	212.6	100.0	83.4
15	Leather Products	90.9	111.1	109.5	122.0	106.5	100.0	88.8
16	Wood & of Products of Wood & Cork	99.7	95.9	93.3	103.0	107.2	100.0	95.0
17	Paper & Paper Products	107.3	101.1	98.5	104.4	104.5	100.0	97.3
18	Printing & Reproduction of Recorded Media	136.7	132.1	122.8	113.8	106.0	100.0	85.1
19	Refined Petroleum Products	103.0	107.7	107.1	100.7	92.2	100.0	104.2
20	Chemicals & Chemical Products	82.8	84.9	85.3	88.4	96.7	100.0	98.9
21	Pharmaceuticals & Biological Products	71.2	94.6	103.8	101.4	109.4	100.0	113.8
22	Rubber & Plastic Products	132.1	117.7	113.5	109.5	109.2	100.0	91.4
23	Non-metallic Mineral Products	102.1	110.4	108.8	107.4	90.8	100.0	89.8
24	Basic Metals	103.2	101.0	91.5	77.2	99.3	100.0	106.2
25	Fabricated Metal Products	105.8	102.1	107.3	107.5	107.8	100.0	93.8
26	Computer, Electronic & Optical Products	126.3	111.2	100.7	105.0	105.6	100.0	114.1
27	Electrical Equipment	100.1	80.6	80.1	87.4	97.9	100.0	101.5
28	Machinery & Equipment	74.8	95.3	107.3	109.1	118.2	100.0	80.8
29	Motor Vehicles, Trailers & Semi-Trailers	60.6	70.5	69.2	85.0	91.1	100.0	105.3
30	Other Transport Equipment	97.1	103.4	109.9	111.1	106.7	100.0	101.0
31	Furniture	140.3	123.5	131.0	127.9	113.5	100.0	94.9
32	Other Manufacturing Industries	62.7	68.2	73.0	79.5	84.8	100.0	110.4
	Total Manufacturing	93.4	100.6	101.0	102.7	105.4	100.0	103.7

Source : Economic Development Board

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7987>

12.10 INDICES OF UNIT LABOUR COST BY INDUSTRY

(2010 = 100)

	2010	2011	2012	2013	2014	2015	2016
Unit Labour Cost Index of Overall Economy	100.0	101.6	104.6	105.9	109.5	113.4	116.1
Goods Producing Industries	100.0	99.7	104.3	110.4	114.7	121.1	119.2
Manufacturing	100.0	97.9	100.7	104.1	106.4	112.3	107.3
Construction	100.0	104.5	108.4	119.7	125.8	128.6	133.8
Utilities	100.0	102.2	109.0	119.1	127.4	130.8	138.6
Other Goods Industries ¹	100.0	101.7	101.7	97.0	89.5	95.8	99.7
Services Producing Industries	100.0	101.8	104.2	103.5	107.0	109.9	114.1
Wholesale & Retail Trade	100.0	101.2	101.7	99.0	102.7	102.7	105.6
Transportation & Storage	100.0	102.9	106.2	107.7	111.8	115.3	118.6
Accommodation & Food Services	100.0	102.0	107.9	111.7	116.5	121.8	126.8
Information & Communications	100.0	102.1	105.0	102.3	105.6	112.7	116.7
Finance & Insurance	100.0	101.3	101.9	92.5	93.0	95.2	96.9
Business Services	100.0	99.6	103.8	106.2	111.0	113.5	121.6
Other Services Industries	100.0	104.5	107.5	114.2	117.5	123.8	127.2

Notes: The industries are classified according to Singapore Standard Industrial Classification 2015.

¹ Comprises agriculture, fishing and quarrying.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9525>

12.11 UNIT BUSINESS COST INDEX OF MANUFACTURING

(2010 = 100)

	2010	2011	2012	2013	2014	2015	2016
Unit Business Cost Index of Manufacturing	100.0	102.6	107.9	114.6	112.2	112.6	103.0
Unit Labour Cost	100.0	97.9	100.7	104.1	106.4	112.3	107.3
Unit Services Cost	100.0	104.0	110.4	118.2	114.1	112.4	101.2
Unit Non-Labour Production Taxes	100.0	160.7	117.8	127.2	140.3	156.3	148.7

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2393>

13



Construction and Real Estate



Building, Real Estate and Construction



Building construction refers to the erection of new buildings and additions or alterations to existing buildings, but excludes the erection of temporary structures, illegal building works or minor works which do not require planning approval. Data on new buildings given planning and building plan approval, notices of commencement and Temporary Occupation Permits (TOPs)/Certificates of Statutory Completion (CSC) are compiled from the administrative records of the Urban Redevelopment Authority (URA) and the Building and Construction Authority (BCA). Statistics on contracts awarded and progress payments certified are collected through surveys conducted by BCA.

Definitions



Provisional Permission: Refers to the conditional approval granted by the Minister for National Development or the Competent Authority to develop any land subject to conditions in accordance with the development rules in force.

Written Permission: Refers to the approval granted by the Minister for National Development or the Competent Authority to develop any land subject to conditions in accordance with the development rules in force.

Building Plan Approval: Refers to the approval granted by the Commissioner of Building Control in respect of building plans and specifications submitted in accordance with the prescribed building regulations in force.

Building Commencement: Construction of a building project is deemed to have commenced when a permit to commence building works in respect of that building is issued by the Commissioner of Building Control.

Building Commencement, 2016



Private Residential Properties ¹

6,918

Gross Floor Area ('000 m²)



Office Space

154



Retail Space

132



Factory Space

895



Warehouse Space

299

¹ Excludes hostels, HDB flats, tenement houses, parsonages and Executive Condominiums.

Building Completion: A building project is deemed completed when the Temporary Occupation Permit (TOP) or Certificate of Statutory Completion (CSC) in respect of that building is issued by the Commissioner of Building Control. Completed properties are referred to as the existing stock.

Gross Floor Area: Refers to the covered floor space (whether within or outside a building and whether or not enclosed) measured between party walls, including thickness of external walls and any open area used for commercial or industrial purposes.

Nett Floor Area: Refers to all covered floor space available on an exclusive basis to occupiers in a building excluding common areas viz: staircases, lifts, common passageways and corridors.

Contracts Awarded: Refers to the full contract awarded to the main contractor by the developer or owner even though part or all of the works may be further sub-contracted to other contractors.

Progress Payments Certified: Refers to the value of all construction works done and certified for progress payment. Where construction works are carried out by the developer or owner himself and the architect

Building, Real Estate, Construction and Housing ■



does not certify progress payments, the expenses incurred on the construction work are taken to be the progress payments certified.

Other References



Details on construction and real estate statistics relating to industrial properties are published by the JTC Corporation (JTC) and can be found on the JTC Corporate [website](#) and the Real Estate Information System (REALIS).

Public Housing



The Housing and Development Board (HDB) was established on 1 February 1960 as the public housing authority of Singapore. HDB's mission is to provide affordable homes of quality and value, create vibrant and sustainable towns, and promote the building of active and cohesive communities. HDB also develops and maintains other facilities, namely, commercial and industrial properties, and car parks. To help build sustainable communities, HDB plans towns with a comprehensive range of facilities to meet residents' needs. These include recreational and community facilities such as neighbourhood parks and children's playgrounds in its housing estates.

In 2016, 26,025 flats were completed, bringing the total number of flats built since HDB's inception to 1,129,236.



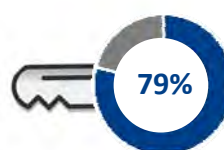
26,025 flats were constructed in 2016

Introduced in 1964, the Home Ownership Scheme enables citizens to acquire homes through the purchase of HDB flats. In 2016, 21,851 flats were sold under this scheme.



21,851 flats were sold under the Home Ownership Scheme in 2016

In 2016, about 79 per cent of the resident population lived in Home Ownership flats.



79% of the resident population lived in Home Ownership flats in 2016

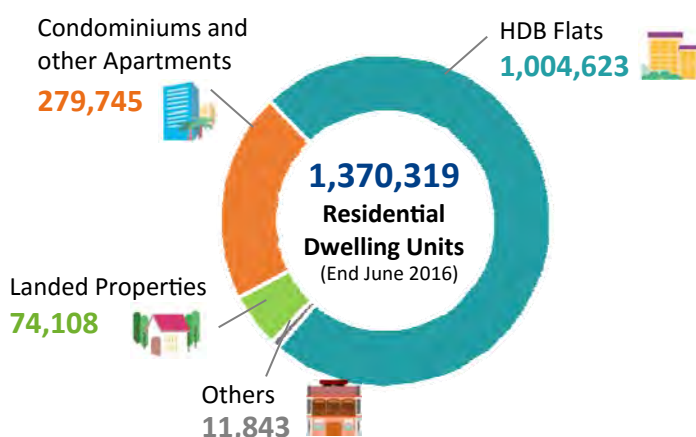
Between 1989 and 2016, HDB sold 244 land parcels (308 hectares) for private residential development and 45 land parcels (48.6 hectares) for commercial development. A total of 67 Executive Condominium sites (136 hectares) were sold during this period.

Residential Dwellings



The Singapore Standard Classification of Type of Dwelling defines a dwelling as a building or part of a building used or intended to be used by one or more persons as living quarters. Each dwelling type has its own separate entrance(s) with direct access to a public road or pathway. A dwelling may be a residential building by itself or a unit in a residential building, or part of a non-residential building such as a shop or factory with space used as living quarters.

Residential Dwellings by type, 2016



13.1 AVAILABLE AND VACANT PRIVATE RESIDENTIAL PROPERTIES

(End of Period)

Type of Property	Number of Units						
	2010	2011	2012	2013	2014	2015	2016
All Types							
Available	258,243	268,768	277,620	289,370	308,814	327,448	348,080
Vacant	12,883	15,980	14,869	18,003	24,062	26,517	29,197
Landed							
Available	69,743	70,145	70,388	71,049	71,540	71,992	72,595
Vacant	2,294	2,394	2,285	2,439	2,406	2,553	3,008
Non-landed							
Available	188,500	198,623	207,232	218,321	237,274	255,456	275,485
Vacant	10,589	13,586	12,584	15,564	21,656	23,964	26,189

Source : Urban Redevelopment Authority

Notes : Data cover all completed private residential units, i.e. private residential units issued with a Temporary Occupation Permit or a Certificate of Statutory Completion.

Data exclude hostels, Housing and Development Board flats, tenement houses, parsonages and Executive Condominiums.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5452>

13.2 SUPPLY OF PRIVATE RESIDENTIAL PROPERTIES IN THE PIPELINE BY DEVELOPMENT STATUS (End of Period)

	Number of Units						
	2010	2011	2012	2013	2014	2015	2016
Landed Properties							
Total	3,963	3,807	3,860	3,477	2,909	2,292	1,352
Under Construction	1,752	1,949	2,316	1,922	1,832	1,480	1,075
Planned							
Written Permission	1,680	1,310	1,105	1,044	992	728	178
Provisional Permission	322	479	278	332	77	57	38
Others ¹	209	69	161	179	8	27	61
Non-Landed Properties							
Total	75,514	85,724	92,370	86,541	72,279	57,867	47,016
Under Construction	39,575	47,602	58,226	65,843	57,464	47,000	33,439
Planned							
Written Permission	14,998	15,097	13,755	9,070	6,047	2,930	3,546
Provisional Permission	7,372	10,652	10,795	5,491	2,548	3,443	2,637
Others ¹	13,569	12,373	9,594	6,137	6,220	4,494	7,394

Source : Urban Redevelopment Authority

Notes : Data exclude hostels, HDB flats, tenement houses, parsonages and Executive Condominiums.

1 Refers to planned land sales by the government and developments submitted for approval.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5472>

13.3 APPROVAL, CONSTRUCTION COMMENCEMENT AND COMPLETION OF PRIVATE RESIDENTIAL PROPERTIES

	Number of Units						
	2010	2011	2012	2013	2014	2015	2016
Provisional Permission	14,939	25,201	23,642	13,897	5,668	6,262	6,532
Written Permission	14,502	20,551	18,441	18,034	8,454	5,438	7,452
Building Plan Approval	16,892	21,100	19,702	19,593	9,275	7,073	7,132
Building Commencement	17,864	20,736	21,395	20,357	11,571	8,082	6,918
Building Completion	10,399	12,469	10,329	13,150	19,941	18,971	20,803

Source : Urban Redevelopment Authority

Notes : Data exclude hostels, HDB flats, tenement houses, parsonages and Executive Condominiums.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2045>

13.4 AVAILABLE AND VACANT EXECUTIVE CONDOMINIUMS AND SUPPLY OF EXECUTIVE CONDOMINIUMS IN THE PIPELINE BY DEVELOPMENT STATUS (End of Period)

	Number of Units						
	2010	2011	2012	2013	2014	2015	2016
Executive Condominiums							
Available	10,430	10,430	10,430	11,683	15,040	18,336	23,821
Vacant	52	83	42	1,107	1,734	1,540	3,364
Supply by Development Status							
Total	6,005	10,073	15,966	18,985	17,948	15,794	10,270
Under Construction	1,659	4,262	8,036	11,775	13,065	14,127	9,635
Planned							
Written Permission	540	1,796	1,747	0	0	0	0
Provisional Permission	336	0	418	2,265	1,155	0	0
Others ¹	3,470	4,015	5,765	4,945	3,728	1,667	635

Source : Urban Redevelopment Authority

1 Refers to planned land sales by the government and development submitted for approval.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5467>

13.5 AVAILABLE AND VACANT COMMERCIAL AND INDUSTRIAL PROPERTIES

(End of Period)

		Thousand sq m nett						
		2010	2011	2012	2013	2014	2015	2016
		Private Sector						
Office Space								
Available		5,816	6,008	6,014	6,190	6,283	6,276	6,464
Vacant		771	753	619	666	704	634	783
Retail Space								
Available		na	4,014	4,061	4,182	4,348	4,409	4,502
Vacant		na	229	239	209	283	358	382
Factory Space								
Available		25,308	26,209	27,004	28,080	29,258	30,357	31,632
Vacant		2,097	1,984	2,069	2,425	2,905	3,093	3,524
Warehouse Space								
Available		6,912	7,069	7,328	7,643	8,317	8,789	9,418
Vacant		594	406	520	706	682	756	973
		Public Sector						
Office Space								
Available		1,240	1,223	1,256	1,251	1,270	1,283	1,266
Vacant		85	64	63	67	69	83	78
Retail Space ¹								
Available		na	1,523	1,518	1,516	1,566	1,562	1,544
Vacant		na	45	39	45	61	73	72
Factory Space								
Available		5,349	5,050	5,052	5,068	5,173	5,216	5,180
Vacant		112	140	154	197	322	331	374
Warehouse Space								
Available		46	47	47	93	95	97	52
Vacant		1	0	0	2	4	9	3

Sources : Urban Redevelopment Authority

JTC Corporation (With effect from 2013, for data pertaining to Factory and Warehouse Space)

¹ With effect from 2014, the coverage of shop space statistics has been expanded to include non-shop retail uses (i.e. food & beverage (F&B), entertainment and health & fitness) and referenced as "retail space".

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5464>

13.6 SUPPLY OF COMMERCIAL AND INDUSTRIAL PROPERTIES IN THE PIPELINE BY DEVELOPMENT STATUS

(Private and Public Sectors)

(End of Period)

	Thousand sq m gross						
	2010	2011	2012	2013	2014	2015	2016
Office Space							
Total	1,280	1,114	1,276	1,123	1,056	1,049	887
Under Construction	653	581	970	800	814	715	617
Planned							
Written Permission	121	282	149	171	54	125	90
Provisional Permission	288	39	41	32	40	153	79
Others ¹	218	212	116	120	148	56	101
Retail Space ²							
Total	na	817	980	1,002	852	834	616
Under Construction	na	523	707	660	510	610	482
Planned							
Written Permission	na	158	113	95	191	56	81
Provisional Permission	na	46	75	198	84	142	32
Others ¹	na	90	85	49	67	26	21
Factory Space							
Total	3,439	4,274	5,147	5,153	4,630	4,248	3,250
Under Construction	2,052	2,688	3,400	3,264	3,074	3,052	2,381
Planned							
Written Permission	388	441	424	531	462	333	343
Provisional Permission	233	397	460	684	453	649	306
Others ¹	766	748	863	674	641	214	220
Warehouse Space							
Total	685	1,050	1,320	1,589	1,377	1,589	1,144
Under Construction	540	616	1,147	1,169	1,162	1,339	1,094
Planned							
Written Permission	91	30	30	34	20	57	16
Provisional Permission	54	404	12	371	195	189	32
Others ¹	0	0	131	15	0	4	2

Sources : Urban Redevelopment Authority

JTC Corporation (With effect from 2013, for data pertaining to Factory and Warehouse Space)

1 Refers to planned public developments and land sales by the government and developments submitted for approval.

2 With effect from 2014, the coverage of shop space statistics has been expanded to include non-shop retail uses (i.e. food & beverage (F&B)), entertainment and health & fitness) and referenced as "retail space".

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5413>

13.7 APPROVAL, CONSTRUCTION COMMENCEMENT AND COMPLETION OF COMMERCIAL AND INDUSTRIAL DEVELOPMENTS

(Private and Public Sectors)

	Thousand sq m gross						
	2010	2011	2012	2013	2014	2015	2016
Office Space							
Provisional Permission	275	209	447	124	111	192	79
Written Permission	97	367	130	475	123	91	150
Building Plan Approval	23	177	372	473	88	176	119
Building Commencement	68	254	578	80	186	11	154
Building Completion	271	305	218	228	225	93	240
Retail Space							
Provisional Permission	na	334	192	296	121	180	52
Written Permission	na	152	269	201	260	123	131
Building Plan Approval	na	154	198	280	171	142	144
Building Commencement	na	285	237	155	126	225	132
Building Completion	na	105	92	186	238	130	185
Factory Space							
Provisional Permission	646	1,425	1,320	1,512	1,194	972	516
Written Permission	851	1,558	1,214	1,643	1,621	1,238	967
Building Plan Approval ¹	590	1,319	1,291	1,585	1,458	1,115	581
Building Commencement	790	1,477	1,640	1,373	1,541	1,081	895
Building Completion	844	797	1,080	1,401	1,588	1,372	1,430
Warehouse Space							
Provisional Permission	350	576	431	616	567	631	178
Written Permission	417	359	585	685	738	555	768
Building Plan Approval ¹	151	353	642	679	527	814	819
Building Commencement	381	447	812	347	774	686	299
Building Completion	105	296	317	439	828	545	627

Sources : Urban Redevelopment Authority

JTC Corporation (With effect from 2013, for data pertaining to Factory and Warehouse Space)

¹ Excludes public sector.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5421>

13.8 CONTRACTS AWARDED BY SECTOR AND DEVELOPMENT TYPE

Million Dollars

Development Type	2010	2011	2012	2013	2014	2015	2016
All Sectors							
Total	27,565	35,488	30,761	35,804	38,757	27,034	26,071
Building Work	24,541	28,747	25,951	28,863	28,854	21,560	17,095
Residential	11,487	15,298	11,846	15,963	11,291	7,770	6,318
Commercial	3,237	4,210	2,990	3,728	3,823	2,184	2,902
Industrial	4,790	6,221	6,418	5,490	6,628	5,779	3,591
Institutional & Others	5,028	3,018	4,697	3,682	7,113	5,828	4,285
Civil Engineering Work	3,023	6,741	4,810	6,941	9,903	5,474	8,976
Private Sector							
Total	19,018	20,208	21,237	20,915	19,537	13,781	10,729
Building Work	18,184	19,600	18,549	19,488	18,101	12,119	9,260
Residential	8,680	9,066	8,512	9,585	6,471	3,959	3,081
Commercial	3,059	4,159	2,888	3,663	3,703	1,886	2,822
Industrial	3,717	5,738	6,111	5,178	6,037	4,534	2,752
Institutional & Others	2,728	638	1,039	1,062	1,890	1,741	604
Civil Engineering Work	834	608	2,688	1,427	1,436	1,662	1,470
Public Sector							
Total	8,547	15,280	9,525	14,888	19,220	13,253	15,342
Building Work	6,357	9,146	7,402	9,374	10,753	9,441	7,836
Residential	2,807	6,232	3,334	6,378	4,819	3,811	3,236
Commercial	178	51	102	64	120	298	81
Industrial	1,073	483	308	312	591	1,245	838
Institutional & Others	2,300	2,380	3,659	2,620	5,224	4,088	3,680
Civil Engineering Work	2,189	6,133	2,123	5,514	8,466	3,812	7,506

Source : Building and Construction Authority

Notes : Excludes reclamation works.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=8374>

13.9 PROGRESS PAYMENTS CERTIFIED BY SECTOR AND DEVELOPMENT TYPE

Development Type	2010	2011	2012	2013	2014	2015	2016
All Sectors							
Total	27,428	28,861	31,639	33,682	35,892	36,402	35,178
Building Work	21,413	22,784	25,447	27,799	28,812	28,381	26,513
Residential	9,518	9,772	10,943	12,791	13,811	13,608	10,890
Commercial	4,524	3,608	3,294	3,221	3,047	3,278	3,373
Industrial	4,571	5,669	7,414	7,807	7,060	6,784	6,637
Institutional & Others	2,800	3,735	3,797	3,980	4,894	4,712	5,613
Civil Engineering Work	6,015	6,078	6,192	5,883	7,080	8,021	8,665
Private Sector							
Total	16,452	17,209	19,323	21,127	21,160	20,788	18,704
Building Work	15,692	16,489	18,430	20,097	19,689	19,083	17,162
Residential	6,264	6,610	7,178	8,309	8,671	8,285	6,578
Commercial	4,451	3,478	3,212	3,145	2,964	3,160	3,188
Industrial	4,097	4,930	6,750	7,293	6,612	6,216	5,699
Institutional & Others	880	1,471	1,290	1,350	1,443	1,423	1,698
Civil Engineering Work	760	720	893	1,030	1,471	1,705	1,542
Public Sector							
Total	10,976	11,653	12,316	12,555	14,732	15,615	16,474
Building Work	5,721	6,295	7,018	7,701	9,123	9,298	9,350
Residential	3,254	3,162	3,765	4,482	5,140	5,323	4,313
Commercial	73	130	82	76	84	119	184
Industrial	474	740	664	514	449	567	939
Institutional & Others	1,919	2,264	2,507	2,630	3,451	3,290	3,915
Civil Engineering Work	5,255	5,358	5,299	4,854	5,609	6,316	7,123

Source : Building and Construction Authority

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=8374>

13.10 PROPERTIES UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD

(End of Period)

	2010	2011	2012	2013	2014	2015	Number 2016
Residential	898,532	914,102	922,493	933,278	959,960	984,908	1,010,613
1-room	21,973	24,207	25,186	25,384	25,450	26,247	27,817
2-room ¹	30,739	32,319	33,744	35,562	37,105	38,882	41,594
3-room	222,191	222,024	222,257	223,461	227,527	231,212	235,217
4-room	344,596	353,690	357,566	363,043	375,533	387,642	398,927
5-room ²	210,289	213,096	214,710	216,209	222,345	227,774	233,608
Executive ³	65,079	65,076	65,077	65,074	65,079	65,082	65,086
Studio Apartment	1,865	2,155	2,418	3,368	6,921	8,069	8,364
HUDC ⁴	1,800	1,535	1,535	1,177	0	0	0
Commercial/Industrial Units	28,459	28,469	28,372	28,413	28,477	28,630	30,042

Source : Housing & Development Board

1 The Studio Apartment Scheme and 2-room Flat Scheme were merged and replaced with the 2-room Flexi Scheme from November 2015.

From November 2015, Studio Apartments are sold under the 2-Room Flexi Scheme.

2 Includes 3Generation flats with effect from November 2016.

3 Includes Multi-generation flats.

4 With effect from 2014, there are no HUDC flats under HDB's management.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5260>

13.11 RESIDENTIAL UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

	Unit	2010	2011	2012	2013	2014	2015	2016
Flats Constructed	No.	10,161	17,813	19,005	12,744	27,120	26,108	26,025
Percentage of Population ^{1, 2} Living in Public Flats	%	82	82	83	82	82	82	82
Flats Sold Under 'Home Ownership Scheme' ³	No.	6,697	15,008	13,098	12,594	25,183	23,445	21,851
Percentage of Home-Ownership Flats ⁴	%	95	94	94	93	95	95	95
Percentage of Population Living in Home-Ownership Flats ^{1, 2}	%	79	79	80	80	79	79	79

Source : Housing & Development Board

1 Refers to resident population which comprises Singapore citizens and permanent residents.

2 Data as at 31 March of each calendar year.

3 Flats are considered 'sold' only when keys are issued to the applicants.

Data include Studio Apartments and keys issued by private developers for Design, Build and Sell Scheme flats.

4 Refers to percentage of sold flats over total units under management.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1759>

13.12 RESIDENTIAL UNITS UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD, 31 DECEMBER 2016

Town ¹	Total	1-room	2-room ²	3-room	4-room	5-room ³	Executive ⁴	Number
								Studio Apartments
Total	1,010,613	27,817	41,594	235,217	398,927	233,608	65,086	8,364
Ang Mo Kio	49,450	1,318	3,512	24,235	13,862	5,757	491	275
Bedok	61,100	2,530	2,205	22,637	20,397	10,390	2,715	226
Bishan	19,664	396	9	2,357	9,359	5,716	1,660	167
Bukit Batok	32,984	385	244	10,352	14,067	5,028	2,733	175
Bukit Merah	52,401	4,731	5,819	16,091	15,697	9,478	44	541
Bukit Panjang	35,325	223	545	3,678	16,699	10,425	3,381	374
Bukit Timah	2,555	0	45	441	920	682	380	87
Central Area	12,571	2,075	1,316	4,739	3,529	903	9	0
Choa Chu Kang	48,900	565	1,189	2,463	23,465	15,952	4,762	504
Clementi	26,224	474	716	12,233	9,049	3,132	620	0
Geylang	30,814	1,231	3,549	11,788	9,607	3,591	830	218
Hougang	53,862	532	1,056	10,610	25,842	10,844	4,310	668
Jurong East	23,897	352	424	7,006	8,188	5,925	1,871	131
Jurong West	72,719	540	1,738	12,740	28,746	21,815	6,507	633
Kallang/Whampoa	38,566	4,401	2,664	13,890	11,456	5,477	504	174
Marine Parade	7,862	0	1,350	3,037	1,798	1,677	0	0
Pasir Ris	29,654	176	329	491	11,641	9,379	7,460	178
Punggol	42,984	871	1,432	3,783	20,204	15,132	1,126	436
Queenstown	31,504	575	3,252	14,210	8,794	3,972	354	347
Sembawang	21,901	601	992	349	9,019	8,070	2,870	0
Sengkang	65,375	685	1,541	3,612	30,381	23,909	4,462	785
Serangoon	21,487	272	324	4,541	10,231	3,754	2,365	0
Tampines	67,911	1,075	964	13,238	28,840	17,313	5,846	635
Toa Payoh	36,871	1,168	3,664	15,122	9,756	6,017	854	290
Woodlands	63,978	1,603	1,321	6,434	27,939	19,661	6,191	829
Yishun	60,054	1,038	1,394	15,140	29,441	9,609	2,741	691

Source : Housing & Development Board

1 Equivalent to Town Registration Boundary.

2 The Studio Apartment Scheme and 2-room Flat Scheme were merged and replaced with the 2-room Flexi Scheme from November 2015.

From November 2015, Studio Apartments are sold under the 2-Room Flexi Scheme.

3 Includes 3Generation flats with effect from November 2016.

4 Includes Multi-generation flats.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1756>

13.13 TOTAL ALLOCATED, SUPPLY AND OCCUPANCY OF JTC CORPORATION FLATTED/STANDARD FACTORY SPACE AND PREPARED INDUSTRIAL LAND

Factory Space/Industrial Land	Unit	2010	2011	2012	2013	2014	2015	2016
Flatted Factory Space								
Gross Allocation	'000 sq m	70.4	26.3	15.7	14.1	17.9	37.2	32.0
Returns	'000 sq m	57.8	41.4	19.1	14.6	19.2	28.8	19.7
Total Allocated	'000 sq m	627.7	296.7	293.3	292.7	291.5	298.8	312.3
Supply	'000 sq m	660.2	322.7	322.7	322.6	362.0	394.1	443.6
Occupancy Rate	%	95.1	91.9	90.9	90.8	80.5	75.8	70.4
Standard Factory Space								
Gross Allocation	'000 sq m	17.3	23.9	38.0	34.4	13.6	22.5	21.5
Returns	'000 sq m	22.1	33.9	40.1	47.4	29.7	42.3	41.4
Total Allocated	'000 sq m	2,391.2	2,380.9	2,377.5	2,362.0	2,344.3	2,324.5	2,304.6
Supply	'000 sq m	2,434.4	2,457.0	2,470.7	2,468.2	2,466.7	2,479.4	2,494.7
Occupancy Rate	%	98.2	96.9	96.2	95.7	95.0	93.8	92.4
Prepared Industrial Land								
Gross Allocation ¹	Hectares	146.1	398.0	255.2	232.2	166.8	150.8	145.3
Returns ¹	Hectares	105.6	208.3	103.5	201.4	103.9	162.9	160.9
Total Allocated ²	Hectares	5,883.3	6,217.7	6,374.0	6,433.1	6,513.0	6,507.5	6,497.8
Supply ²	Hectares	6,709.0	6,952.2	7,069.8	7,245.4	7,337.2	7,361.0	7,379.4

Source : JTC Corporation

Notes : Figures may not add up due to rounding.

Data for "Total Allocated" and "Supply" and "Occupancy Rate" are as at end of period.

1 Excludes Prepared Industrial Land that is tendered out as part of the Industrial Government Land Sales (IGLS) programme.

2 Includes Prepared Industrial Land that is tendered out as part of the IGLS programme and land occupied by JTC's Ready Built Facilities. Data on Prepared Industrial Land from IGLS are based on date of allocation instead of date of tender award. The date of allocation is normally a few months after the date of tender award.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3569>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2970>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2342>

13.14 RESIDENTIAL DWELLINGS

Type of Property	Number						
	2010	2011	2012	2013	2014	2015	2016
Residential Dwelling Units	1,164,906	1,187,110	1,216,217	1,231,914	1,271,109	1,322,898	1,370,319
Type of Dwellings ¹							
Total HDB Flats ²	895,482	909,610	927,643	933,389	953,975	980,613	1,004,623
HDB 1-2 Room Flats ³	53,587	56,224	61,234	63,622	68,332	71,937	75,175
HDB 3 Room Flats	222,363	224,920	226,300	226,199	228,329	232,089	236,065
HDB 4 Room Flats	341,841	349,674	358,113	361,212	371,573	384,507	395,568
HDB 5 Room And Executive Flats	274,999	276,428	279,632	280,350	284,601	291,149	296,884
Condominiums And Other Apartments	185,967	193,944	204,340	214,148	232,296	256,971	279,745
Landed Properties	71,354	71,551	72,032	72,396	73,024	73,445	74,108
Others ⁴	12,103	12,005	12,202	11,981	11,814	11,869	11,843

Notes : Data as at end June of each year.

1 Data are based on the Singapore Standard Classification of Type of Dwelling.

Excludes collective dwellings such as skilled nursing facilities, serviced apartments, school hostels and workers' dormitories etc.

2 Includes non-privatised Housing and Urban Development Corporation flats.

3 Includes HDB studio apartments.

4 Includes other housing units such as shophouses and attap/zinc-roofed houses etc.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6631>

14



Services

14 Services



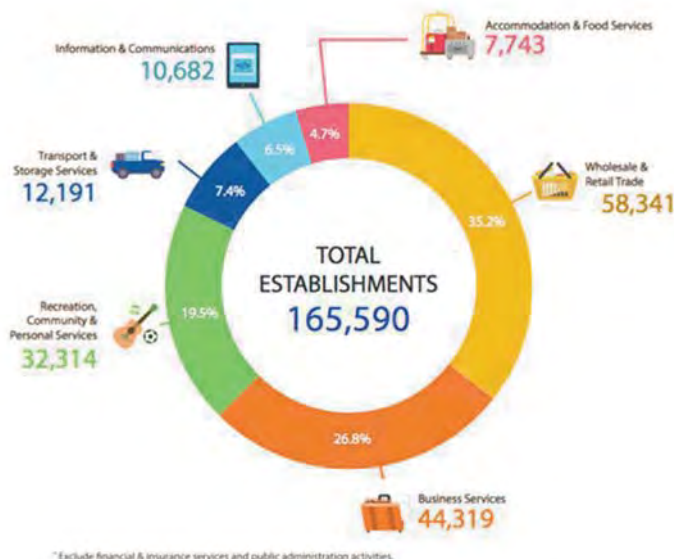
Annual Survey of Services



The Annual Survey of Services covers establishments engaged in wholesale trade, retail trade, transport & storage services, accommodation & food services, information & communications services, business services and recreation, community & personal services, as classified under Sections G, H, I, J, L, M, N, P, Q, R and S of the Singapore Standard Industrial Classification (SSIC) 2015. Establishments engaged in financial & insurance services and public administration activities are excluded. Taxi drivers, hawkers and stall-holders, independent artistes and other individual self-employed persons not registered with the Accounting and Corporate Regulatory Authority (ACRA) are also excluded.

Stratified random sampling is adopted for the survey. All establishments in the sampling frame are first stratified by activity and within each activity, establishments are then stratified by operating receipts. Establishments with large operating receipts are selected with certainty and the rest are selected using simple random sampling without replacement.

Total Establishments, 2015



Definitions



Enterprise: Refers to an incorporated/registered entity (such as company, sole-proprietorship, partnership, association, society, etc).

Establishment: Refers to a unit within an enterprise engaging in one activity and operating in a single location. Thus, for a multi-activity enterprise, units within the enterprise engaging in separate activities (even if they are at the same location) are considered separate establishments. Similarly, each unit of a multi-branch enterprise operating at different branch locations is conceptually a separate establishment.

Operating Receipts: Refers to income earned from business operations, i.e. income from services rendered, sales of goods, commission fees, and rental of premises, machinery and equipment.

Operating Expenditure: Refers to all expenditure incurred by the establishment in its business, with adjustment for changes in inventory. It includes remuneration, purchases, taxes on production, work given out, rental and maintenance of machinery and equipment, legal, accounting and other professional services, rental and maintenance of premises, depreciation, transport and travelling, utilities, advertisement, entertainment, stationery and printing, postage and telecommunications, fuel and lubricants, cargo handling expenses, port charges, charter fees and other general expenses that are incurred as part of the establishment's operation.

Operating Surplus: Refers to the amount of operating receipts less operating expenditure plus depreciation of fixed assets. For non-profit organisations (i.e. entities which cannot distribute any surplus made to their shareholders) which mainly rely on funds (such as grants and



donations) other than receipts from sales of goods and services rendered to cover their operating expenditure, operating surplus refers only to depreciation of fixed assets.

Value Added (at Basic Price): Comprises the value of operating surplus, remuneration and taxes (less subsidies) on production.

Retail Sales and Food & Beverage Services Indices



The Retail Sales and Food & Beverage Services Indices measure the short-term performance of the retail and food & beverage services industries based on the sales records of retail and food & beverage establishments. Data for the compilation of the indices are primarily obtained from more than 650 enterprises covered in the monthly retail sales and food & beverage services surveys. The base year for the indices is 2014.

The indices are presented at both current prices and constant prices. Changes in the indices at current prices measure the changes in sales values resulting from changes in both price and quantity. By removing the price effect, the changes in indices at constant prices measure the changes in the volume of economic activity.

Wholesale Trade Index



The Wholesale Trade Index (WTI) measures the short-term performance of wholesale trade activities. Data for the compilation of the WTI are sourced from over 700 wholesale trade enterprises covered in the quarterly survey of wholesale trade as well as from administrative records. The base year for the WTI is 2012.

Two series of the WTI are compiled – Domestic WTI and Foreign WTI. The Domestic WTI records wholesale sales in Singapore. The Foreign WTI measures to wholesale sales outside Singapore, which comprises domestic exports, re-exports, transshipment cargo and offshore merchandise.

The indices are presented at both current prices and constant prices. Changes in the indices at current prices measure the changes in sales values which can result from changes in both price and quantity. By removing the price effect, the changes in indices at constant prices measure the changes in the volume of sales.

Business Receipts Index



The Business Receipts Index (BRI) for services industries (excluding wholesale & retail trade and accommodation & food services) measures the changes in the amount of business or operating receipts on a quarterly basis.

The BRI is compiled based on survey data and administrative records of more than 11,000 enterprises in the transport & storage services, information & communications services, financial & insurance services, business services and recreation, community & personal services industries. The BRI is compiled at current prices, with 2014 as the base year.

Other References



The publications and papers section of the SingStat Website provides more information on the concepts and methodology adopted for the Annual Survey of Services. Detailed statistics for several services industries of importance to the Singapore economy are also available.

14.1 PRINCIPAL STATISTICS OF SERVICES

Year	Establish- ments	Operating Receipts	Operating Expenditure	Operating Surplus	Value Added ¹
	Number	Million Dollars			
	Total				
2009	132,981	1,459,660.6	1,409,808.0	70,561.8	134,343.1
2010	135,997	1,806,964.6	1,740,981.0	88,251.0	158,613.7
2011	143,666	2,288,056.5	2,215,832.3	95,425.2	172,018.8
2012	150,688	2,490,371.1	2,419,394.3	96,112.8	178,878.2
2013	153,569	2,772,984.4	2,701,136.3	98,501.4	186,973.4
2014	158,639	2,873,377.5	2,806,890.4	94,602.1	189,088.7
2015	165,590	2,495,854.8	2,433,579.5	93,303.7	193,270.2
	Wholesale Trade				
2009	33,463	1,202,406.7	1,174,625.2	29,297.5	45,017.2
2010	33,440	1,513,069.5	1,478,059.7	36,503.4	53,237.9
2011	34,058	1,970,137.5	1,929,760.3	41,938.2	59,991.7
2012	34,745	2,143,988.7	2,106,181.6	39,684.9	58,628.6
2013	34,018	2,400,838.0	2,363,858.8	38,834.1	58,426.5
2014	34,087	2,483,409.0	2,452,982.7	32,455.4	52,851.9
2015	34,890	2,087,265.6	2,061,660.2	27,702.8	49,474.0
	Retail Trade				
2009	19,069	36,558.2	34,612.8	2,280.0	5,084.1
2010	19,611	37,388.9	35,418.0	2,317.6	5,296.2
2011	20,579	40,327.9	38,099.8	2,608.1	5,935.1
2012	21,228	42,623.6	40,501.4	2,561.3	6,112.4
2013	21,530	43,288.9	41,344.2	2,436.2	6,220.3
2014	22,234	44,036.8	42,321.5	2,257.9	6,430.6
2015	23,451	45,654.4	43,925.0	2,288.3	6,667.3
	Transport & Storage Services				
2009	9,123	75,613.6	69,871.1	11,993.9	20,603.6
2010	9,625	89,199.6	79,808.6	15,115.9	24,305.2
2011	10,525	91,857.4	86,171.5	11,290.8	21,074.4
2012	11,115	97,399.5	91,664.3	11,716.8	22,273.8
2013	11,370	103,977.6	98,350.7	12,066.7	23,241.6
2014	11,454	108,762.3	101,708.0	13,471.3	25,464.2
2015	12,191	112,251.2	103,795.5	15,668.6	28,217.9

(continued on the next page)

Notes : Data are classified according to the Singapore Standard Industrial Classification 2015.

Non-profit organisations are included in the respective services industries.

Data exclude mutual benefit organisations, citizens' consultative committees and residents' committees.

Data exclude financial & insurance services, public administration activities and own-account workers

(e.g. freelancers, hawkers).

Additional Registration Fee (ARF), Certificates of Entitlement (COE) and betting, sweepstakes & private lottery duties are excluded from operating receipts and operating expenditure of industries engaged in wholesale & retail trade of motor vehicles and gaming activities.

1 Value added is at basic prices.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=8371>

14.1 PRINCIPAL STATISTICS OF SERVICES *(continued)*

Year	Establish- ments	Operating Receipts	Operating Expenditure	Operating Surplus	Value Added ¹
	Number	Million Dollars			
Accommodation and Food & Beverage Services					
2009	6,287	8,931.7	7,910.1	1,475.6	3,901.3
2010	6,529	10,744.1	9,323.6	1,933.5	4,855.0
2011	6,853	12,694.2	10,754.0	2,511.6	5,858.1
2012	7,091	13,781.8	11,776.8	2,613.7	6,304.7
2013	7,136	14,614.9	12,761.9	2,527.7	6,518.9
2014	7,343	15,322.3	13,441.0	2,600.4	6,813.2
2015	7,743	15,397.2	13,633.5	2,523.5	6,866.3
Information & Communications Services					
2009	6,342	33,451.0	29,829.6	4,955.3	10,575.9
2010	6,629	36,453.6	32,885.4	4,942.9	11,301.6
2011	7,407	39,581.6	35,472.5	5,570.2	12,554.4
2012	8,172	44,205.4	39,912.3	5,962.3	13,711.9
2013	8,631	47,748.5	42,871.7	6,706.9	14,893.4
2014	9,263	53,335.5	48,395.4	6,906.4	15,965.6
2015	10,682	58,939.2	54,486.5	6,655.5	16,153.7
Business Services					
2009	33,630	81,665.4	69,148.2	17,092.3	34,873.1
2010	34,623	94,232.7	77,929.3	21,688.7	41,012.9
2011	37,205	104,207.1	85,222.5	24,942.4	46,039.9
2012	39,680	117,193.7	96,327.7	27,042.7	49,780.0
2013	41,213	129,288.8	106,302.1	29,495.6	54,380.9
2014	43,114	132,884.3	109,913.4	30,216.1	56,562.8
2015	44,319	139,013.5	115,150.1	32,125.7	60,266.7
Recreation, Community & Personal Services					
2009	25,068	21,034.0	23,810.8	3,467.3	14,288.0
2010	25,539	25,876.1	27,556.3	5,748.8	18,605.0
2011	27,039	29,250.9	30,351.7	6,564.0	20,565.2
2012	28,656	31,178.6	33,030.3	6,531.1	22,066.7
2013	29,672	33,227.9	35,646.9	6,434.1	23,291.8
2014	31,146	35,627.3	38,128.4	6,694.6	25,000.5
2015	32,314	37,333.7	40,928.7	6,339.3	25,624.2

Notes : Data are classified according to the Singapore Standard Industrial Classification 2015.

Non-profit organisations are included in the respective services industries.

Data exclude mutual benefit organisations, citizens' consultative committees and residents' committees.

Data exclude financial & insurance services, public administration activities and own-account workers (e.g. freelancers, hawkers).

Additional Registration Fee (ARF), Certificates of Entitlement (COE) and betting, sweepstakes & private lottery duties are excluded from operating receipts and operating expenditure of industries engaged in wholesale & retail trade of motor vehicles and gaming activities.

1 Value added is at basic prices.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=8371>

14.2 RETAIL SALES INDEX

(2014 = 100)

	Weights ¹	2010	2011	2012	2013	2014	2015	2016
At Current Prices								
Total	10,000	98.2	102.6	104.9	99.6	100.0	104.4	106.7
Total (excl Motor Vehicles)	8,923	90.1	97.1	99.6	100.5	100.0	98.8	96.2
Department Stores ²	1,738	86.6	92.7	94.1	97.6	100.0	103.0	101.5
Supermarkets	511	88.0	88.8	95.4	99.5	100.0	101.3	100.3
Mini-marts and Convenience Stores	478	89.3	95.0	98.2	100.2	100.0	97.5	98.5
Food Retailers ³	239	82.2	88.2	92.2	96.9	100.0	93.7	85.8
Motor Vehicles	1,077	135.7	128.0	129.5	95.5	100.0	150.8	193.3
Petrol Service Stations	621	81.9	94.3	98.6	99.6	100.0	81.3	74.9
Medical Goods & Toiletries	566	76.3	83.7	92.6	96.2	100.0	103.8	108.6
Wearing Apparel & Footwear	1,016	95.6	101.4	103.4	103.9	100.0	97.3	93.6
Furniture & Household Equipment	894	104.6	107.3	109.0	104.2	100.0	97.8	97.2
Recreational Goods	168	100.8	104.3	105.5	106.1	100.0	93.8	92.4
Watches & Jewellery	995	84.9	100.9	101.3	102.1	100.0	101.4	95.5
Computer & Telecommunications								
Equipment	614	91.9	103.3	107.1	99.2	100.0	93.9	78.8
Optical Goods & Books	377	101.1	99.0	96.6	100.5	100.0	94.1	90.1
Others	706	97.5	103.6	104.8	105.6	100.0	108.1	114.0
At Constant Prices								
Total	10,000	100.9	102.9	104.2	99.7	100.0	104.6	106.1
Total (excl Motor Vehicles)	8,923	92.9	97.9	99.6	100.7	100.0	99.0	95.6
Department Stores ²	1,738	90.4	95.7	95.8	98.4	100.0	102.7	100.2
Supermarkets	511	96.8	94.8	99.9	102.2	100.0	100.4	97.6
Mini-marts and Convenience Stores	478	97.4	101.1	102.4	102.9	100.0	96.5	96.6
Food Retailers ³	239	92.1	95.6	97.6	100.3	100.0	92.4	83.0
Motor Vehicles	1,077	136.6	125.1	125.0	95.2	100.0	151.5	193.2
Petrol Service Stations	621	97.3	100.3	101.6	100.3	100.0	85.5	81.9
Medical Goods & Toiletries	566	79.5	85.6	93.7	96.4	100.0	104.2	109.4
Wearing Apparel & Footwear	1,016	96.0	101.8	102.4	102.6	100.0	97.6	93.2
Furniture & Household Equipment	894	101.4	105.0	108.9	104.4	100.0	97.6	97.3
Recreational Goods	168	98.1	103.2	105.2	106.9	100.0	93.5	91.5
Watches & Jewellery	995	84.1	90.8	88.5	98.1	100.0	101.3	91.7
Computer & Telecommunications								
Equipment	614	85.2	100.2	107.4	99.5	100.0	94.0	78.8
Optical Goods & Books	377	105.0	101.5	97.9	100.8	100.0	94.2	88.5
Others	706	100.7	105.0	104.3	104.5	100.0	108.5	114.1

1 The weights for the Retail Sales Index are computed based on the retail sales contributions of the respective retail trade industries, using data obtained from the Annual Survey of Retail Trade for reference year 2013.

2 Includes department stores cum supermarkets (e.g. hypermarkets).

3 Refers to retail stores which sell food & beverages that are generally not meant for immediate consumption within their premises.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3768>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3769>

14.3 FOOD & BEVERAGE SERVICES INDEX

(2014 = 100)

	Weights ¹	2010	2011	2012	2013	2014	2015	2016
At Current Prices								
Total	1,000	87.1	92.9	97.1	99.1	100.0	97.2	97.2
Restaurants	408	89.2	93.3	96.9	100.2	100.0	95.1	90.0
Fast Food Outlets	115	85.2	93.6	96.2	98.4	100.0	101.0	103.9
Food Caterers	115	85.0	92.4	100.2	103.3	100.0	98.7	99.1
Other Eating Places	362	86.4	92.4	96.6	96.8	100.0	97.8	102.6
At Constant Prices								
Total	1,000	95.5	99.3	101.4	101.5	100.0	95.0	93.2
Restaurants	408	99.6	101.3	101.7	102.6	100.0	92.2	85.3
Fast Food Outlets	115	90.7	97.7	100.5	101.8	100.0	99.4	100.0
Food Caterers	115	88.7	95.2	102.4	104.6	100.0	98.5	98.2
Other Eating Places	362	95.3	99.1	101.1	99.4	100.0	95.5	98.4

Notes : Food & beverages sales refers to the sales of prepared food and drinks for in-premises consumption or on a take-away basis.
Data exclude hawker stalls.

- 1 The weights for the Food & Beverage Services Index are computed based on the food & beverage sales contributions of the respective food and beverage services industries, using data obtained from the Annual Survey of Food & Beverage Services for reference year 2013.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3770>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3771>

14.4 DOMESTIC WHOLESALE TRADE INDEX

(2012 = 100)

	Weights ¹	2010	2011	2012	2013	2014	2015	2016
At Current Prices								
Total	10,000	91.5	102.0	100.0	102.2	97.1	76.1	66.0
Total (excl Petroleum)	4,864	97.5	101.2	100.0	102.2	99.4	88.3	79.2
Food, Beverages & Tobacco	380	84.8	93.0	100.0	104.4	108.8	112.0	114.5
Household Equipment & Furniture	218	96.0	90.9	100.0	88.9	88.6	89.2	103.9
Petroleum & Petroleum Products	5,136	84.3	102.8	100.0	102.3	94.9	64.5	53.5
Chemicals & Chemical Products	351	99.6	103.9	100.0	104.2	107.3	100.0	83.5
Electronic Components	442	120.9	104.6	100.0	110.3	114.3	122.9	101.7
Industrial & Construction Machinery	345	94.2	103.0	100.0	102.9	107.2	105.2	97.6
Telecommunications & Computers	549	95.1	97.7	100.0	107.7	109.0	115.2	96.4
Metals, Timber & Construction								
Materials	336	96.7	99.6	100.0	94.8	89.2	80.7	68.6
General Wholesale Trade	396	91.6	102.9	100.0	107.0	102.8	63.8	51.9
Ship Chandlers & Bunkering	1,039	85.4	99.8	100.0	91.3	79.4	42.1	33.5
Transport Equipment	170	94.9	99.1	100.0	96.7	99.5	103.1	101.4
Other Wholesale Trade	638	111.4	110.0	100.0	113.8	106.2	102.0	98.1
At Constant Prices								
Total	10,000	104.0	102.2	100.0	106.3	107.1	116.5	113.6
Total (excl Petroleum)	4,864	100.0	100.3	100.0	105.9	106.5	105.5	99.7
Food, Beverages & Tobacco	380	85.6	92.0	100.0	103.5	106.1	109.8	113.5
Household Equipment & Furniture	218	87.8	88.5	100.0	93.1	99.7	101.0	121.5
Petroleum & Petroleum Products	5,136	110.4	105.2	100.0	106.6	107.6	126.8	126.8
Chemicals & Chemical Products	351	118.9	105.2	100.0	107.6	116.7	152.5	143.1
Electronic Components	442	114.0	104.6	100.0	113.9	121.6	127.0	110.7
Industrial & Construction Machinery	345	87.2	101.1	100.0	104.1	108.5	106.6	101.9
Telecommunications & Computers	549	81.9	94.0	100.0	116.5	129.0	139.9	121.1
Metals, Timber & Construction								
Materials	336	95.3	96.4	100.0	97.7	92.7	86.1	78.1
General Wholesale Trade	396	99.7	103.3	100.0	109.9	108.7	79.9	69.9
Ship Chandlers & Bunkering	1,039	111.7	102.0	100.0	96.2	89.8	78.9	76.3
Transport Equipment	170	94.2	99.8	100.0	96.3	92.9	92.3	90.3
Other Wholesale Trade	638	112.9	109.3	100.0	117.2	109.1	106.7	103.2

1 The weights for the Domestic Wholesale Trade Index are computed based on the domestic wholesale sales contributions of the respective wholesale trade industries, using data obtained from the Annual Survey of Wholesale Trade for reference year 2011.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1956>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1953>

14.5 FOREIGN WHOLESALE TRADE INDEX

(2012 = 100)

	Weights ¹	2010	2011	2012	2013	2014	2015	2016
At Current Prices								
Total	10,000	80.1	93.2	100.0	104.9	101.9	86.5	78.9
Total (excl Petroleum)	5,524	87.0	97.5	100.0	108.0	107.3	102.1	96.3
Food, Beverages & Tobacco	405	93.5	101.4	100.0	99.0	97.2	96.0	91.6
Household Equipment & Furniture	110	106.4	108.3	100.0	89.9	86.3	85.7	98.3
Petroleum & Petroleum Products	4,476	73.0	88.8	100.0	101.0	95.2	67.3	57.5
Chemicals & Chemical Products	492	82.4	98.3	100.0	106.1	94.3	79.0	72.1
Electronic Components	529	94.4	94.8	100.0	112.0	109.4	112.1	92.7
Industrial & Construction Machinery	227	86.8	97.4	100.0	76.5	70.6	64.2	63.0
Telecommunications & Computers	790	77.5	86.4	100.0	99.6	102.5	104.9	114.8
Metals, Timber & Construction								
Materials	711	81.0	97.0	100.0	141.6	142.8	129.5	113.2
General Wholesale Trade	708	81.1	100.8	100.0	104.5	111.1	105.2	99.3
Ship Chandlers & Bunkering	234	82.3	97.7	100.0	101.4	101.0	63.7	54.3
Transport Equipment	230	85.6	79.8	100.0	96.9	95.1	95.9	92.2
Other Wholesale Trade	1,088	91.3	108.4	100.0	108.9	107.5	107.0	100.8
At Constant Prices								
Total	10,000	87.9	91.7	100.0	108.6	110.3	120.2	121.9
Total (excl Petroleum)	5,524	82.7	92.4	100.0	111.7	113.1	112.7	111.1
Food, Beverages & Tobacco	405	98.1	101.4	100.0	102.7	100.5	95.8	91.0
Household Equipment & Furniture	110	95.3	103.3	100.0	91.7	90.5	90.1	105.1
Petroleum & Petroleum Products	4,476	95.6	90.6	100.0	104.8	106.9	129.5	135.2
Chemicals & Chemical Products	492	97.3	99.2	100.0	110.0	101.5	109.9	114.0
Electronic Components	529	87.2	91.4	100.0	114.1	115.2	113.6	98.0
Industrial & Construction Machinery	227	83.9	98.3	100.0	77.8	70.9	65.5	67.9
Telecommunications & Computers	790	62.7	83.8	100.0	106.1	111.8	109.6	123.1
Metals, Timber & Construction								
Materials	711	78.2	89.6	100.0	143.1	142.8	141.9	131.4
General Wholesale Trade	708	82.2	99.7	100.0	107.5	116.9	119.0	118.6
Ship Chandlers & Bunkering	234	107.3	99.4	100.0	107.3	114.0	111.8	116.5
Transport Equipment	230	82.1	80.1	100.0	95.6	89.0	88.1	84.6
Other Wholesale Trade	1,088	86.1	92.2	100.0	114.5	117.1	116.3	110.7

1 The weights for the Foreign Wholesale Trade Index are computed based on the foreign wholesale sales contributions of the respective wholesale trade industries, using data obtained from the Annual Survey of Wholesale Trade for reference year 2011.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1958>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1957>

14.6 BUSINESS RECEIPTS INDEX FOR SERVICES INDUSTRIES

(2014 = 100)

	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Total Services ²	10,000	80.4	86.3	90.2	96.4	100.0	102.1	102.5
Transport & Storage ³	1,440	87.6	91.8	95.7	97.7	100.0	100.9	98.1
Information & Communications	958	87.9	91.4	93.6	95.9	100.0	103.1	105.6
Financial & Insurance	2,694	72.2	79.9	82.9	93.6	100.0	107.6	108.0
Business Services ⁴	3,422	80.3	86.3	90.3	97.8	100.0	99.0	99.0
Education	473	75.2	78.4	85.9	94.4	100.0	102.4	107.2
Health & Social Services	494	72.0	79.7	87.5	91.8	100.0	107.2	115.4
Recreation & Personal Services ⁵	519	87.4	98.0	102.3	103.5	100.0	91.0	86.6

1 The weights for the Business Receipts Index series are computed based on the value added contributions of the respective industries, using data obtained from the Annual Survey of Services for reference year 2013.

2 Excludes wholesale & retail trade and accommodation & food services.

3 Comprises land transport, water transport, air transport, warehousing & support activities for transportation and post & courier activities.

4 Comprises real estate activities, professional, scientific & technical and office administrative & support service activities, e.g. legal & accounting activities, activities of head offices, management consultancy activities, architectural, engineering and technical activities, rental & leasing activities, employment activities, travel agencies and security activities.

5 Comprises arts, entertainment & recreation, membership organisations' activities (e.g. business and professional membership organisations, religious organisations and interest groups), repair of computers, personal, household goods & vehicles and other personal services activities.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4672>

15



International Trade



Merchandise Trade



Sources of Data

Since April 1987, Singapore's merchandise trade statistics are compiled by the International Enterprise Singapore (IE Singapore) from the following information submitted to Singapore Customs:

- i) Import and export permits submitted by traders or declaring agents;
 - ii) Data on postal packages furnished by Singapore Post Limited; and
 - iii) Statement on bunker fuel, aircraft fuel and stores supplied to non-Singapore-registered ships and aircraft furnished by shipping and aircraft agents.
- v) Television news films, news or press materials;
 - vi) Ships and aircraft arriving for or departing after repairs;
 - vii) Goods temporarily taken into or out of the country to be returned after a specific purpose, for example, for an exhibition;
 - viii) Personal and household effects accompanying passengers or crews;
 - ix) Samples and specimens for test or analysis; and unaccompanied personal effects and gifts not exceeding the value of \$400;
 - x) Gold held as reserve assets that are exchanged between monetary authorities or authorised banks; and
 - xi) Issued currency notes and coins.

Prior to April 1987, merchandise trade statistics were compiled by the Singapore Department of Statistics from the same sources.

Coverage

The "general" system for recording merchandise trade statistics is adopted in Singapore. Under this system, all goods imported into or exported from Singapore are included in the merchandise trade statistics with the following major exceptions:

- i) Transshipment cargo on through bills of lading or through air waybills;
- ii) Fish and other marine produce landed by Singapore and Peninsular Malaysia-registered vessels direct from sea;
- iii) Goods imported and exported by, or on behalf of, diplomatic services and armed forces;
- iv) Exposed cinematographic films imported or exported on a rental basis;

Ships and aircraft are included if they are imported or exported as merchandise, whether or not they arrive or depart under their own power.

Definitions

Merchandise imports: Refers to all goods brought into Singapore, except those specified as excluded under the **Coverage** section, irrespective of whether they are for consumption, for processing, for use in manufacturing, or for subsequent re-shipment to other countries.

Merchandise exports: Refers to all goods taken out of Singapore, except those specified as excluded under the **Coverage** section. It comprises domestic exports and re-exports.

Domestic Exports: Refers to exports of Singapore origin. It comprises (i) primary commodities grown or produced in Singapore and (ii) goods which have been transformed, that is, manufactured, assembled or processed in



Singapore including those with imported materials or parts.

Re-exports: Refers to all goods which are exported from Singapore in the same form as they have been imported (including goods that have undergone minor processing, such as re-packing, splitting into lots, sorting or grading, marking and the like).



Merchandise Trade at 2012 Prices: This is obtained by adjusting the recorded value of trade using import and export price indices with base year 2012. The series on trade at 2012 prices indicate the volume of trade after adjusting for the effect of price changes.

Valuation

Merchandise imports are valued at 'CIF' (Cost, Insurance and Freight), that is, the value of goods at the frontier of the exporting country plus the cost of insurance and freight and any other charges when sold for export to Singapore.

Merchandise exports are valued at 'FOB' (Free On Board), that is, the value of goods when sold abroad up to the point where the goods are deposited on board the outgoing vessel, aircraft or vehicle.

Classification

With effect from 17 February 2012, the "Singapore Trade Classification, Customs and Excise Duties 2012" is adopted for the documentation of Singapore's merchandise trade. This classification adopts the ASEAN Harmonized Tariff Nomenclature 2012 (AHTN 2012) which

is based on the 6-digit Harmonized Commodity Description and Coding System (HS), developed by the World Customs Organization (WCO). However, for publication of merchandise trade statistics, the Standard International Trade Classification (SITC), Revision 4.1 is used from 1999 onwards and SITC, Revision 3 for years prior to 1999. Merchandise imports are classified by country of origin and exports by country of destination.

Trade in Services

The main source of Singapore's trade in services statistics is the International Trade in Services Survey.

Definitions

Exports of Services: Refers to the value of cross-border services provided by residents to non-residents.

Imports of Services: Refers to the value of cross-border services provided by non-residents to residents.



Other References

Detailed monthly merchandise trade statistics are available in the "[Singapore's External Trade](#)" report published monthly by IE Singapore.

Detailed annual data on trade in services are available in the "[Singapore's International Trade in Services](#)" publication.

Aggregated services trade estimates are also released on a quarterly basis in the "[Economic Survey of Singapore](#)" published by the Ministry of Trade and Industry, as well as in IE Singapore's quarterly and annual reviews of trade performance.

15.1 MERCHANDISE TRADE BY TYPE

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
At Current Prices							
Total Merchandise Trade	907,036.0	991,558.8	1,001,544.0	1,011,077.9	1,004,650.0	915,218.8	870,216.2
Merchandise Exports	480,709.5	523,270.6	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6
Oil	103,511.0	136,773.5	130,900.0	124,960.9	122,862.5	81,828.7	69,238.1
Non-oil	377,198.5	386,497.1	388,454.1	400,546.2	403,204.9	409,987.4	397,673.5
Domestic Exports	249,035.6	281,729.3	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3
Oil	75,011.1	103,953.8	106,814.4	106,476.0	106,986.4	72,503.6	63,374.5
Non-oil	174,024.5	177,775.4	178,354.5	164,740.8	162,791.8	165,229.2	160,558.8
Re-exports	231,673.9	241,541.3	234,185.3	254,290.4	256,289.3	254,083.3	242,978.4
Merchandise Imports	426,326.6	468,288.2	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6
Oil	115,591.6	149,945.6	154,803.0	146,278.6	143,740.2	88,772.5	70,528.3
Non-oil	310,735.0	318,342.6	327,386.9	339,292.1	334,842.4	334,630.2	332,776.3
At 2012 Prices							
Total Merchandise Trade	955,367.3	989,735.6	1,001,544.0	1,040,445.8	1,060,310.6	1,085,668.5	1,088,450.7
Merchandise Exports	499,170.1	521,184.5	519,354.1	540,767.1	553,449.2	567,062.8	569,706.3
Oil	135,889.0	140,180.6	130,900.0	131,938.4	138,523.4	147,063.9	152,642.2
Non-oil	363,281.1	381,003.9	388,454.1	408,828.7	414,925.8	419,998.9	417,064.1
Domestic Exports	264,328.6	281,144.9	285,168.9	280,371.2	287,719.4	296,487.0	306,737.0
Oil	98,366.8	106,415.3	106,814.4	112,620.3	120,731.2	128,956.8	138,438.9
Non-oil	165,961.8	174,729.6	178,354.5	167,750.9	166,988.1	167,530.2	168,298.0
Re-exports	234,841.5	240,039.6	234,185.3	260,395.9	265,729.9	270,575.8	262,969.4
Merchandise Imports	456,197.2	468,551.1	482,189.8	499,678.7	506,861.4	518,605.7	518,744.3
Oil	152,074.7	153,988.0	154,803.0	152,752.4	161,982.0	171,405.4	165,362.9
Non-oil	304,122.5	314,563.1	327,386.9	346,926.2	344,879.3	347,200.3	353,381.4

Source : International Enterprise Singapore

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4708><http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4712>

15.2 TOTAL MERCHANDISE TRADE BY REGION/COUNTRY

Million Dollars

Region / Country	2010	2011	2012	2013	2014	2015	2016
Total	907,036.0	991,558.8	1,001,544.0	1,011,077.9	1,004,650.0	915,218.8	870,216.2
America	109,679.7	117,255.2	115,371.6	119,467.7	114,015.5	102,863.0	95,623.6
Brazil	3,748.2	4,164.7	4,281.0	5,552.6	4,843.5	3,523.7	2,742.5
Canada	3,418.4	3,173.2	3,048.4	3,635.7	2,969.4	2,867.6	2,922.2
United States	78,390.8	75,869.6	75,339.5	76,987.9	75,762.3	75,733.0	72,414.2
Asia	638,096.3	696,891.9	705,894.8	712,566.5	708,864.5	653,178.6	623,042.1
Bahrain	424.2	337.0	596.0	696.8	601.7	426.6	338.7
Bangladesh	2,396.0	2,989.1	2,745.8	3,391.1	4,445.5	3,515.9	3,919.8
Brunei Darussalam	1,465.4	2,226.0	1,708.8	1,513.9	1,411.1	1,257.6	1,173.7
Cambodia	3,509.3	4,897.8	3,434.8	8,469.0	4,978.8	5,169.9	5,280.7
China	95,335.1	101,748.1	104,905.7	116,664.7	125,546.7	128,569.6	117,198.4
Hong Kong	60,826.1	60,752.8	61,804.1	62,126.3	62,426.4	61,571.3	64,192.6
India	30,814.7	35,774.3	30,980.1	25,745.8	25,039.1	23,027.2	22,011.7
Indonesia	68,865.5	81,555.8	81,866.1	78,924.6	72,857.4	61,561.0	56,057.2
Japan	55,868.0	57,062.7	52,559.7	47,914.8	47,000.1	47,383.1	49,527.5
Korea, Republic of	44,274.5	47,122.8	53,120.6	50,964.6	48,771.2	45,067.1	43,564.1
Kuwait	3,852.3	4,700.6	6,214.3	4,724.0	4,575.7	3,909.3	3,602.7
Laos	35.1	44.2	44.3	40.2	62.5	127.2	71.8
Malaysia	107,266.8	113,347.6	115,031.5	116,091.4	112,931.3	98,577.7	93,749.4
Myanmar	1,690.7	1,633.1	1,772.4	3,039.4	3,238.0	3,546.3	3,320.6
Pakistan	1,715.5	2,460.4	1,201.1	1,426.5	1,725.4	1,804.1	1,190.3
Philippines	22,298.1	16,299.5	15,467.3	14,745.0	15,025.4	15,053.3	15,472.5
Saudi Arabia	16,406.6	23,263.1	23,016.8	17,639.8	20,113.7	12,316.9	12,312.9
Sri Lanka	1,765.1	1,917.3	2,099.7	2,654.7	2,372.0	2,081.1	2,133.6
Taiwan	42,697.2	45,700.4	49,677.4	55,500.1	58,528.5	53,909.6	52,533.8
Thailand	31,289.1	32,072.4	32,679.7	30,873.4	30,774.7	30,381.6	28,973.4
United Arab Emirates	14,198.6	21,816.7	26,805.3	30,182.5	27,851.3	19,355.6	15,532.5
Viet Nam	12,254.1	14,832.8	15,411.6	16,754.7	19,532.1	21,599.5	19,828.1
Europe	116,878.1	127,587.3	126,905.2	127,524.1	125,310.7	116,237.6	117,229.2
France	17,649.5	18,352.5	19,158.3	15,421.9	14,494.7	14,187.9	15,972.0
Germany	20,499.8	21,486.7	20,645.3	20,916.6	20,310.9	19,931.5	19,974.4
Italy	4,762.3	5,699.5	5,478.6	5,843.5	6,148.2	5,654.5	5,984.3
Netherlands	15,667.6	18,249.1	18,677.9	15,188.1	15,191.5	14,150.3	14,755.6
Sweden	2,067.8	2,009.5	1,848.4	1,671.8	1,578.9	1,788.9	1,577.4
United Kingdom	15,937.5	15,926.4	16,495.0	14,308.5	12,416.9	12,142.2	11,500.8
Switzerland	8,452.5	11,981.7	11,684.4	18,790.8	14,824.9	14,512.9	15,687.9
Oceania	30,364.5	35,984.9	39,243.1	36,489.3	40,584.8	31,284.1	25,480.3
Australia	22,405.0	25,323.3	28,161.5	26,158.3	29,487.3	22,915.6	18,181.9
New Zealand	3,106.4	3,926.3	3,480.9	3,408.0	3,949.7	3,363.4	2,834.1
Africa	12,017.4	13,839.5	14,129.3	15,030.3	15,874.6	11,655.5	8,841.0
European Union ¹	99,474.6	106,093.2	105,417.0	96,670.3	95,916.7	90,831.8	93,181.8

Source : International Enterprise Singapore

- 1 The European Union (EU) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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15.3

MERCHANDISE IMPORTS BY REGION/COUNTRY

Million Dollars

Region / Country	2010	2011	2012	2013	2014	2015	2016
Total	426,326.6	468,288.2	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6
America	59,735.8	63,804.9	63,758.6	66,237.4	64,816.4	56,281.2	51,683.4
Brazil	1,759.7	2,410.6	2,555.2	2,131.1	2,822.4	1,950.9	1,539.5
Canada	1,436.9	1,408.1	1,555.9	1,619.7	1,732.6	1,839.4	1,895.3
United States	47,519.4	48,424.8	48,157.2	48,399.2	48,278.4	45,886.6	42,580.6
Asia	292,357.1	321,159.1	331,756.9	324,310.2	317,895.6	282,351.6	273,037.3
Bahrain	300.0	238.7	468.2	571.3	416.0	272.1	197.4
Bangladesh	78.1	134.7	131.8	154.6	167.7	209.3	300.2
Brunei Darussalam	178.1	244.7	164.0	69.2	293.4	189.4	114.2
Cambodia	217.4	259.3	723.2	228.8	344.2	219.9	1,840.8
China	45,852.9	48,083.7	49,604.0	55,017.4	56,284.5	57,915.3	55,945.8
Hong Kong	4,659.7	4,121.5	3,932.1	4,484.7	4,419.4	5,057.7	4,446.4
India	12,566.1	17,771.2	16,214.5	11,416.2	10,480.6	7,921.8	8,151.2
Indonesia	23,185.7	24,576.2	25,639.6	24,320.1	24,131.3	20,873.1	19,334.8
Japan	33,535.9	33,967.5	29,963.9	25,917.1	25,792.8	26,377.8	29,416.4
Korea, Republic of	24,726.8	27,664.1	32,407.4	30,167.3	27,633.3	25,165.9	23,510.4
Kuwait	3,607.0	4,515.2	5,991.3	4,325.1	4,326.4	3,667.5	3,326.7
Laos	3.8	0.6	6.8	7.2	19.6	18.3	7.4
Malaysia	49,610.8	49,242.3	50,592.2	51,150.7	49,472.0	45,439.7	44,536.6
Myanmar	112.9	108.0	98.8	224.3	203.1	172.6	174.5
Pakistan	123.6	95.4	81.0	150.2	245.1	319.5	106.3
Philippines	12,522.8	7,793.2	7,546.8	6,366.1	6,324.6	6,237.6	6,484.2
Saudi Arabia	15,297.1	22,163.5	21,508.6	16,095.0	18,504.3	10,957.7	11,228.4
Sri Lanka	134.4	216.1	105.5	177.2	138.7	146.3	132.0
Taiwan	25,255.7	27,344.4	31,619.2	36,357.8	38,089.8	34,065.9	32,184.5
Thailand	14,000.5	14,317.7	12,669.5	11,642.9	11,107.2	11,033.9	9,962.1
United Arab Emirates	8,984.5	15,835.2	20,890.4	23,095.7	20,163.0	11,898.0	9,899.5
Viet Nam	2,193.0	2,084.6	2,806.7	3,825.8	4,052.2	4,943.1	4,148.1
Europe	66,603.5	75,301.8	76,407.8	83,707.1	80,390.1	73,653.4	68,789.2
France	10,118.8	10,662.5	11,343.5	10,123.8	10,254.8	10,035.6	11,809.7
Germany	12,129.8	13,078.0	13,203.6	13,607.0	13,486.6	12,307.2	12,054.5
Italy	3,830.1	4,475.8	4,473.9	4,913.9	5,242.2	4,863.3	5,101.1
Netherlands	7,279.8	8,761.7	9,799.8	7,156.2	5,959.1	5,635.7	5,219.2
Sweden	1,674.3	1,632.7	1,614.2	1,521.1	1,417.7	1,599.9	1,352.3
United Kingdom	7,603.9	7,598.7	8,779.2	9,990.0	7,850.8	7,895.0	7,426.7
Switzerland	6,868.3	10,635.3	8,880.7	16,909.6	12,538.8	12,107.2	10,764.7
Oceania	6,142.9	6,494.0	7,934.8	7,877.1	11,123.0	8,367.4	6,435.6
Australia	5,255.9	5,112.6	6,899.7	6,725.9	9,918.7	7,063.2	5,240.9
New Zealand	783.9	1,253.2	872.5	1,062.5	1,125.2	989.9	824.8
Africa	1,487.4	1,528.3	2,331.8	3,438.9	4,357.6	2,749.0	3,359.0
European Union ¹	52,276.8	57,932.0	59,658.7	57,760.9	55,441.8	52,162.7	53,059.5

Source : International Enterprise Singapore

- 1 The European Union (EU) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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15.4 MERCHANDISE EXPORTS BY REGION/COUNTRY

Million Dollars

Region / Country	2010	2011	2012	2013	2014	2015	2016
Total	480,709.5	523,270.6	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6
America	49,943.9	53,450.3	51,613.0	53,230.3	49,199.1	46,581.8	43,940.2
Brazil	1,988.5	1,754.1	1,725.8	3,421.6	2,021.1	1,572.8	1,203.0
Canada	1,981.5	1,765.1	1,492.5	2,016.1	1,236.8	1,028.1	1,026.9
United States	30,871.4	27,444.8	27,182.3	28,588.7	27,484.0	29,846.3	29,833.7
Asia	345,739.3	375,732.8	374,137.9	388,256.3	390,968.9	370,827.0	350,004.7
Bahrain	124.2	98.3	127.8	125.6	185.8	154.5	141.2
Bangladesh	2,317.9	2,854.3	2,614.0	3,236.5	4,277.8	3,306.6	3,619.6
Brunei Darussalam	1,287.4	1,981.2	1,544.8	1,444.7	1,117.6	1,068.2	1,059.5
Cambodia	3,291.9	4,638.4	2,711.6	8,240.2	4,634.6	4,950.1	3,439.9
China	49,482.2	53,664.4	55,301.7	61,647.2	69,262.2	70,654.3	61,252.5
Hong Kong	56,166.4	56,631.3	57,872.0	57,641.6	58,007.0	56,513.6	59,746.2
India	18,248.6	18,003.0	14,765.6	14,329.5	14,558.4	15,105.4	13,860.5
Indonesia	45,679.8	56,979.7	56,226.5	54,604.4	48,726.0	40,687.8	36,722.4
Japan	22,332.1	23,095.2	22,595.8	21,997.7	21,207.2	21,005.3	20,111.1
Korea, Republic of	19,547.7	19,458.7	20,713.2	20,797.3	21,137.9	19,901.3	20,053.8
Kuwait	245.3	185.3	223.0	399.0	249.3	241.7	275.9
Laos	31.3	43.6	37.6	33.0	42.9	108.9	64.4
Malaysia	57,656.0	64,105.3	64,439.3	64,940.6	63,459.3	53,138.0	49,212.8
Myanmar	1,577.7	1,525.2	1,673.6	2,815.1	3,034.8	3,373.7	3,146.1
Pakistan	1,591.9	2,365.0	1,120.1	1,276.3	1,480.2	1,484.6	1,084.0
Philippines	9,775.3	8,506.2	7,920.4	8,378.9	8,700.9	8,815.7	8,988.2
Saudi Arabia	1,109.6	1,099.6	1,508.2	1,544.8	1,609.4	1,359.2	1,084.5
Sri Lanka	1,630.6	1,701.3	1,994.1	2,477.5	2,233.3	1,934.9	2,001.7
Taiwan	17,441.5	18,356.0	18,058.2	19,142.3	20,438.7	19,843.7	20,349.3
Thailand	17,288.6	17,754.7	20,010.1	19,230.5	19,667.5	19,347.6	19,011.4
United Arab Emirates	5,214.1	5,981.5	5,914.9	7,086.7	7,688.3	7,457.6	5,633.0
Viet Nam	10,061.1	12,748.2	12,604.8	12,928.9	15,479.8	16,656.4	15,680.0
Europe	50,274.6	52,285.5	50,497.3	43,816.9	44,920.7	42,584.2	48,440.0
France	7,530.6	7,690.0	7,814.8	5,298.1	4,239.9	4,152.3	4,162.3
Germany	8,370.0	8,408.7	7,441.8	7,309.7	6,824.4	7,624.3	7,919.9
Italy	932.1	1,223.7	1,004.7	929.6	906.0	791.2	883.2
Netherlands	8,387.8	9,487.4	8,878.1	8,031.9	9,232.3	8,514.6	9,536.4
Sweden	393.5	376.8	234.2	150.8	161.2	189.0	225.1
United Kingdom	8,333.6	8,327.8	7,715.8	4,318.5	4,566.1	4,247.2	4,074.0
Switzerland	1,584.2	1,346.4	2,803.7	1,881.2	2,286.1	2,405.6	4,923.2
Oceania	24,221.7	29,490.9	31,308.4	28,612.3	29,461.8	22,916.7	19,044.7
Australia	17,149.1	20,210.8	21,261.8	19,432.3	19,568.7	15,852.3	12,941.0
New Zealand	2,322.5	2,673.1	2,608.4	2,345.5	2,824.5	2,373.5	2,009.4
Africa	10,530.0	12,311.1	11,797.5	11,591.4	11,517.0	8,906.4	5,482.0
European Union ¹	47,197.8	48,161.2	45,758.3	38,909.4	40,474.9	38,669.1	40,122.3

Source : International Enterprise Singapore

- 1 The European Union (EU) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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15.5 DOMESTIC EXPORTS BY REGION/COUNTRY

Million Dollars

Region / Country	2010	2011	2012	2013	2014	2015	2016
Total	249,035.6	281,729.3	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3
America	36,358.2	40,392.0	38,748.9	36,257.8	33,989.0	30,309.4	27,215.6
Brazil	1,243.2	851.8	904.4	885.4	838.2	563.6	387.1
Canada	1,430.6	1,056.5	942.1	921.6	767.4	574.7	500.0
United States	19,697.5	17,339.6	17,156.3	16,471.2	15,375.3	16,573.5	16,132.8
Asia	155,337.7	175,014.6	179,367.8	177,387.7	179,302.6	161,415.4	152,904.4
Bahrain	53.1	36.1	41.3	59.2	73.2	82.9	86.4
Bangladesh	920.9	1,113.1	1,096.6	1,611.0	2,062.1	1,495.5	1,589.6
Brunei Darussalam	481.2	1,192.4	709.3	550.7	390.2	481.9	489.7
Cambodia	542.7	580.5	621.6	1,085.4	1,037.5	986.5	773.0
China	24,032.9	28,461.5	29,400.7	30,573.6	32,680.0	31,229.8	28,732.8
Hong Kong	25,718.3	26,186.3	26,534.5	25,336.0	19,575.2	17,608.9	19,272.5
India	7,712.8	8,461.2	6,268.1	6,389.3	6,720.5	7,024.3	6,187.9
Indonesia	16,315.6	20,226.2	22,243.0	22,782.4	23,804.7	18,246.8	16,251.3
Japan	11,806.4	12,279.9	12,047.3	10,554.8	10,021.1	10,033.1	9,173.8
Korea, Republic of	8,644.3	8,971.4	10,776.5	8,783.7	9,036.4	7,846.9	7,469.5
Kuwait	105.9	73.3	123.7	112.8	119.9	132.7	151.1
Laos	4.7	7.7	2.7	5.7	8.4	14.7	8.9
Malaysia	25,417.2	32,004.4	32,365.0	31,917.7	33,572.2	26,408.3	24,164.9
Myanmar	806.6	674.7	758.7	1,549.1	1,555.8	1,813.0	1,781.4
Pakistan	709.4	1,152.1	455.0	534.5	786.5	734.7	428.9
Philippines	5,488.8	4,283.4	3,919.7	3,880.0	4,094.7	4,103.0	4,074.6
Saudi Arabia	650.8	593.3	1,034.6	697.1	1,040.9	918.9	744.4
Sri Lanka	576.7	826.6	977.3	964.8	1,297.1	1,065.7	1,020.5
Taiwan	10,061.3	10,263.4	10,993.6	11,222.1	11,879.1	10,257.3	11,177.2
Thailand	7,755.8	8,071.2	8,717.7	8,192.5	8,677.8	8,488.9	8,261.6
United Arab Emirates	1,912.8	2,418.3	2,521.5	3,161.0	2,726.0	3,364.7	2,592.6
Viet Nam	3,889.4	5,360.1	5,558.9	5,460.1	6,437.7	7,327.7	6,856.4
Europe	34,326.3	37,205.5	36,607.6	28,901.5	28,281.1	25,594.0	28,815.5
France	4,998.0	5,384.3	5,786.1	2,938.5	2,442.4	2,191.5	1,937.0
Germany	4,868.0	4,955.6	4,302.8	3,864.7	2,847.9	2,639.0	2,514.1
Italy	625.2	713.1	720.5	623.5	555.6	493.5	449.1
Netherlands	4,988.7	5,882.9	5,912.9	4,776.8	5,058.5	5,033.0	5,460.0
Sweden	285.1	230.3	123.2	106.3	115.4	123.5	147.6
United Kingdom	6,358.2	6,616.4	5,758.6	2,362.1	2,532.2	2,189.1	1,836.8
Switzerland	858.5	885.6	1,913.6	1,037.7	1,297.3	1,186.5	3,249.0
Oceania	16,048.6	20,267.8	21,585.6	20,278.2	19,629.8	13,881.9	10,926.6
Australia	10,412.0	12,915.5	13,982.6	12,975.6	12,021.4	8,467.4	6,224.7
New Zealand	1,722.0	1,934.0	1,750.8	1,554.9	1,990.0	1,478.6	1,219.7
Africa	6,964.8	8,849.5	8,858.9	8,391.7	8,575.6	6,532.1	4,071.3
European Union ¹	32,512.7	34,038.1	33,275.9	25,397.5	25,464.6	23,355.1	23,023.0

Source : International Enterprise Singapore

- 1 The European Union (EU) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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15.6 NON-OIL DOMESTIC EXPORTS BY REGION/COUNTRY

Million Dollars

Region / Country	2010	2011	2012	2013	2014	2015	2016
Total	174,024.5	177,775.4	178,354.5	164,740.8	162,791.8	165,229.2	160,558.8
America	25,616.3	26,677.0	24,369.8	21,496.5	21,301.6	22,210.7	20,646.0
Brazil	1,190.1	813.4	866.9	810.6	836.0	562.3	381.9
Canada	1,290.6	951.8	664.4	712.0	564.0	449.1	419.4
United States	19,037.2	16,635.0	16,377.7	14,685.3	14,374.8	15,313.2	14,906.8
Asia	113,702.4	114,509.8	118,155.6	115,048.8	114,489.2	115,603.6	110,737.1
Bahrain	45.3	32.6	35.0	40.7	57.2	76.7	84.8
Bangladesh	473.5	465.1	381.2	519.2	664.6	683.9	598.1
Brunei Darussalam	398.8	974.5	469.0	499.1	365.3	356.3	252.7
Cambodia	84.9	125.7	141.5	536.2	461.3	693.5	439.6
China	19,254.1	20,626.5	21,209.7	23,553.7	25,743.4	25,981.5	24,228.0
Hong Kong	16,582.0	14,470.3	16,102.9	14,948.8	11,712.6	12,064.8	14,453.3
India	5,358.0	5,740.9	5,211.7	5,579.9	5,760.6	5,887.3	5,323.4
Indonesia	11,162.8	11,100.0	11,726.6	10,642.1	10,202.3	9,305.0	8,270.8
Japan	10,586.2	10,767.2	11,012.9	9,900.6	9,204.0	9,151.3	8,391.3
Korea, Republic of	7,964.4	7,746.1	8,672.7	6,477.5	6,189.9	6,402.4	6,255.2
Kuwait	86.3	67.1	113.3	86.8	86.6	128.5	147.5
Laos	4.7	7.7	2.7	5.7	8.4	14.1	8.4
Malaysia	14,903.4	14,880.6	14,034.6	12,807.9	13,657.0	13,179.4	12,517.7
Myanmar	293.8	367.7	380.8	853.0	571.7	584.9	418.7
Pakistan	423.7	388.1	349.3	366.3	353.7	374.1	345.5
Philippines	3,382.4	3,082.6	2,794.6	2,747.7	3,098.7	3,056.1	3,135.0
Saudi Arabia	448.4	564.2	894.5	599.7	865.2	840.7	627.1
Sri Lanka	301.5	315.2	286.0	274.1	281.3	341.1	310.5
Taiwan	9,626.3	9,564.0	10,394.0	10,495.0	10,990.6	9,901.3	10,379.3
Thailand	7,059.7	7,127.3	7,640.8	7,127.7	7,085.6	7,569.0	7,008.7
United Arab Emirates	1,753.2	1,968.4	2,150.8	2,580.1	2,324.2	3,029.4	2,228.3
Viet Nam	2,177.7	2,677.9	2,748.8	3,034.8	3,382.7	4,436.7	3,842.4
Europe	28,013.5	29,094.5	28,111.9	21,648.0	20,174.0	20,831.3	24,126.7
France	4,782.4	5,186.9	5,598.8	2,775.2	2,323.1	2,118.0	1,883.1
Germany	3,972.7	4,004.7	3,623.1	3,199.8	2,236.3	2,356.5	2,298.8
Italy	302.6	332.9	288.8	322.1	298.5	366.8	346.6
Netherlands	4,679.6	5,035.8	4,283.2	4,304.5	4,704.9	4,472.0	4,314.6
Sweden	264.3	199.6	98.2	70.9	91.0	112.6	143.9
United Kingdom	5,085.1	5,070.2	4,881.4	1,496.6	1,741.1	1,858.2	1,560.7
Switzerland	834.1	855.9	1,882.0	1,012.7	1,264.6	1,167.1	3,228.2
Oceania	5,272.5	5,754.9	5,650.0	5,113.2	5,446.2	5,417.5	4,051.6
Australia	4,461.6	4,883.4	4,727.2	4,155.9	4,267.7	4,422.2	3,227.9
New Zealand	655.6	652.3	620.0	654.7	909.8	741.4	591.5
Africa	1,419.8	1,739.3	2,067.1	1,434.2	1,380.7	1,166.1	997.4
European Union ¹	26,871.1	26,917.9	25,890.5	19,300.5	18,526.3	19,300.3	18,884.1

Source : International Enterprise Singapore

- 1 The European Union (EU) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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15.7

MERCHANDISE IMPORTS BY COMMODITY SECTION

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Total	426,326.6	468,288.2	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6
Food	9,290.3	10,295.7	10,035.6	10,590.7	11,353.5	11,254.1	10,780.8
Coffee, tea, cocoa, spices & manufactures	1,173.3	1,410.3	1,282.5	1,248.2	1,525.2	1,568.5	1,394.9
Fish, seafood (excl marine mammals) & preparations	1,295.7	1,435.8	1,316.8	1,318.5	1,387.0	1,482.4	1,533.8
Vegetables & fruits	1,523.1	1,665.6	1,723.5	1,874.4	2,012.9	2,148.5	2,239.7
Beverages & Tobacco	3,067.8	3,678.7	4,015.4	4,490.4	4,399.2	4,368.1	4,427.3
Beverages	2,333.4	2,849.0	3,070.6	3,475.8	3,361.0	3,233.9	3,219.1
Tobacco & manufactures	734.5	829.7	944.9	1,014.6	1,038.3	1,134.3	1,208.2
Crude Materials	3,003.9	3,726.0	3,881.3	4,203.9	3,615.3	3,369.0	3,204.5
Metalliferous ores & metal scrap	439.9	804.8	906.1	758.9	635.9	472.8	390.2
Crude rubber	688.1	902.4	716.8	517.8	377.7	653.0	627.4
Crude fertilizers & minerals (excl coal petroleum & precious stones)	1,031.0	1,070.2	1,113.9	1,625.3	1,295.3	970.8	880.3
Crude animal & vegetable materials nes	327.1	394.6	398.0	474.3	457.0	444.7	441.2
Mineral Fuels & Lubricants	115,591.6	149,945.6	154,803.0	146,278.6	143,740.2	88,772.5	70,528.3
Petroleum & products & related materials	110,815.7	143,796.5	147,140.8	138,063.8	135,273.8	83,754.9	66,717.0
Animal & Vegetable Oils	842.8	1,481.2	1,742.7	1,425.3	1,346.1	1,080.4	1,302.8
Fixed vegetable fats & oils, crude, refined or fractionated	759.8	1,242.9	1,416.8	877.4	823.9	625.5	586.8
Animal or vegetable fats & oils ¹ nes	68.8	41.3	47.9	43.4	67.0	78.9	169.8
Chemicals & Chemical Products	28,629.7	31,882.1	32,402.5	31,887.6	32,812.2	31,463.9	32,136.5
Organic chemicals	7,603.8	8,523.5	8,791.9	9,361.5	9,593.1	8,331.9	8,066.3
Plastics in primary forms	5,275.8	6,459.6	6,865.7	5,709.0	6,134.5	5,556.0	5,539.6
Medicinal & pharmaceutical products	3,253.8	3,525.6	3,263.4	3,263.7	3,352.7	3,669.2	3,784.5
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	3,155.1	3,478.8	3,502.7	3,858.2	4,016.3	4,258.0	4,812.5
Manufactured Goods	26,457.6	30,995.6	29,642.1	29,251.1	31,795.0	28,211.5	26,482.2
Non-ferrous metals	4,990.5	6,535.4	5,307.9	4,822.9	6,357.7	5,394.5	5,298.7
Iron & steel	6,786.8	8,639.9	8,163.0	7,943.6	7,399.7	5,966.7	4,438.9
Manufactures of metals nes	6,338.7	6,320.8	6,553.9	6,725.5	6,874.9	6,334.0	6,157.3
Non-metallic mineral manufactures nes	3,223.5	3,604.9	3,799.8	4,226.4	5,656.0	5,118.6	5,383.0
Textile yarn, fabrics, made-up articles nes & related products	1,423.7	1,446.5	1,390.6	1,386.2	1,373.8	1,339.6	1,304.6
Paper, paperboard & articles of paper pulp or paperboard pulp	1,773.8	2,303.7	2,278.9	2,169.4	2,131.1	2,067.1	2,069.4
Rubber manufactures nes	1,297.4	1,487.1	1,474.5	1,261.5	1,226.4	1,120.7	1,024.8

(continued on the next page)

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

¹ Includes processed waxes of animal or vegetable origin, inedible mixtures or preparations of animal or vegetable fats or oil nes.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4724><http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4712><http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7143>

15.7 MERCHANDISE IMPORTS BY COMMODITY SECTION (continued)

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Machinery & Equipment	196,105.6	188,268.1	196,288.1	195,446.1	191,976.9	194,597.3	193,317.0
Electronics	123,201.8	113,381.7	115,648.1	119,543.3	117,484.2	118,366.9	117,229.2
Integrated circuits	67,380.0	59,403.3	63,207.6	69,934.5	69,081.2	68,144.8	69,595.4
Parts of personal computers	13,678.0	11,794.7	10,862.1	9,790.7	9,644.8	9,838.6	9,128.8
Disk drives	2,604.8	2,324.8	2,545.0	2,401.8	2,474.2	2,719.6	2,121.6
Telecommunications equipment ²	11,443.0	12,711.3	12,722.0	11,886.4	10,874.0	11,432.8	11,337.4
Consumer electronics ³	5,798.0	5,213.9	4,618.7	4,220.1	4,093.2	3,502.6	3,281.2
Personal computers	4,408.9	4,834.4	5,123.7	4,761.7	4,302.7	4,782.3	4,443.3
Parts of integrated circuits	4,199.3	4,331.2	4,364.5	4,369.0	4,797.8	4,759.4	4,098.2
Diodes and transistors	6,787.6	6,311.9	5,504.3	5,857.5	6,251.2	7,003.3	7,098.7
Non-electronics	72,903.7	74,886.4	80,640.0	75,902.8	74,492.6	76,230.4	76,087.8
Electrical circuit apparatus	5,193.8	5,093.0	5,187.2	5,438.3	5,485.5	5,422.8	5,228.9
Electrical machinery nes	4,878.1	4,899.3	4,738.8	4,429.8	4,582.7	4,980.5	4,913.1
Miscellaneous Manufactures	29,683.6	30,861.2	33,934.6	35,966.4	35,237.3	35,686.0	37,169.2
Professional scientific & controlling instruments & apparatus nes	8,609.6	8,565.2	9,647.7	10,536.4	10,538.6	10,918.6	12,259.4
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	4,450.9	4,956.6	4,615.3	4,572.4	4,765.4	4,898.1	4,392.4
Articles of apparel & clothing accessories	2,669.8	2,934.8	2,985.7	3,649.1	3,272.1	3,350.0	3,334.2
Miscellaneous manufactured articles nes	10,727.7	10,847.8	12,833.1	13,169.2	12,488.6	12,174.4	12,642.6
Miscellaneous	13,653.6	17,154.1	15,444.5	26,030.5	22,307.0	24,600.0	23,955.8

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

2 Includes pagers, cellular/hand phones, TV cameras, video cameras and recorders, radar and navigational equipment, radio remote controls, satellite discs and parts for these products.

3 Includes television receivers, radio broadcast receivers, video and sound recorders, microphones, loudspeakers, headphones, earphones, television cameras, still image video cameras and other video camera recorders, and parts for these products.

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15.8

MERCHANDISE EXPORTS BY COMMODITY SECTION

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Total	480,709.5	523,270.6	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6
Food	5,455.3	6,663.2	6,230.0	7,063.7	8,231.7	8,219.7	7,861.8
Coffee, tea, cocoa, spices & manufactures	1,322.5	1,905.4	1,445.3	1,394.7	1,718.4	1,589.0	1,436.8
Fish, seafood (excl marine mammals) & preparations	502.7	505.1	445.0	409.6	406.8	512.0	492.2
Vegetables & fruits	307.8	396.5	388.8	411.6	459.6	484.1	505.2
Beverages & Tobacco	3,256.5	3,789.6	4,354.7	4,619.0	4,774.3	5,427.2	5,349.2
Beverages	2,466.2	2,913.7	3,311.6	3,501.4	3,506.7	3,749.7	3,711.1
Tobacco & manufactures	790.3	875.9	1,043.1	1,117.6	1,267.6	1,677.5	1,638.1
Crude Materials	2,819.9	3,315.2	3,030.6	3,643.2	3,472.5	3,572.3	3,942.6
Metalliferous ores & metal scrap	1,119.6	1,294.5	1,303.9	1,340.8	1,356.5	1,172.7	1,072.4
Crude rubber	658.7	872.5	647.4	581.0	691.8	1,156.2	1,376.7
Crude fertilizers & minerals (excl coal petroleum & precious stones)	303.5	372.6	341.1	701.7	395.8	281.9	322.3
Crude animal & vegetable materials nes	210.5	230.4	229.9	281.1	247.6	208.6	203.9
Mineral Fuels & Lubricants	103,511.0	136,773.5	130,900.0	124,960.9	122,862.5	81,828.7	69,238.1
Petroleum & products ¹ & related materials	103,220.1	136,470.0	130,406.1	124,640.1	122,495.7	81,465.8	68,904.4
Animal & Vegetable Oils	610.6	546.1	403.2	367.7	351.5	274.8	249.1
Fixed vegetable fats & oils, crude, refined or fractionated	394.7	433.5	279.5	243.5	227.3	168.5	148.0
Animal or vegetable fats & oils ² nes	197.4	100.3	107.6	102.3	103.0	89.7	85.2
Chemicals & Chemical Products	56,644.3	64,777.1	67,518.6	63,522.0	67,252.0	65,614.1	64,507.0
Organic chemicals	21,889.9	26,091.7	24,959.8	22,109.1	22,257.5	21,398.0	20,637.3
Plastics in primary forms	12,911.7	14,135.3	14,539.9	15,206.1	17,805.6	15,824.6	15,474.7
Medicinal & pharmaceutical products	8,332.1	8,847.5	11,431.5	9,998.0	10,411.7	10,477.7	9,270.0
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	4,884.1	6,087.6	6,400.5	6,172.8	6,383.2	6,842.1	7,799.4
Manufactured Goods	18,860.7	20,123.8	19,144.6	20,157.8	21,563.7	19,585.6	17,947.8
Non-ferrous metals	4,249.2	4,546.8	3,779.7	4,215.2	4,354.2	4,645.7	3,728.2
Iron & steel	4,200.2	4,694.1	4,770.8	4,476.7	4,310.3	3,209.8	2,617.5
Manufactures of metals nes	4,978.7	4,433.0	4,449.3	4,870.7	4,953.9	4,395.7	3,937.6
Non-metallic mineral manufactures nes	1,421.7	1,977.4	1,545.4	2,093.6	3,452.7	2,785.6	3,321.8
Textile yarn, fabrics, made-up articles nes & related products	1,101.9	1,069.5	1,015.5	1,129.3	1,121.2	1,064.7	1,036.2
Paper, paperboard & articles of paper pulp or paperboard pulp	1,480.5	1,792.0	1,975.3	1,983.7	2,011.7	2,031.7	1,966.9
Rubber manufactures nes	1,157.7	1,258.7	1,299.8	1,058.2	1,046.2	1,026.2	995.0

(continued on the next page)

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

1 Includes oil bunkers.

2 Includes processed waxes of animal or vegetable origin, inedible mixtures or preparations of animal or vegetable fats or oil nes.

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15.8

MERCHANDISE EXPORTS BY COMMODITY SECTION (continued)

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Machinery & Equipment	244,128.0	235,345.6	230,884.9	237,685.1	237,385.1	243,737.6	236,033.8
Electronics	175,660.2	157,916.7	153,270.4	161,591.7	161,803.4	165,382.1	157,766.0
Integrated circuits	93,928.6	88,291.0	87,398.3	96,293.3	98,778.7	100,725.4	96,426.5
Parts of personal computers	24,983.9	21,484.3	18,442.0	15,876.0	13,768.4	12,851.1	11,194.4
Disk drives	7,613.4	4,524.1	5,116.9	4,550.8	4,190.4	4,334.8	3,425.0
Telecommunications equipment ³	8,085.2	9,623.2	10,047.4	10,038.0	10,093.5	13,423.3	13,111.4
Consumer electronics ⁴	6,255.8	5,170.3	4,531.8	4,318.7	3,819.3	3,381.2	3,503.6
Personal computers	3,651.7	5,051.3	5,593.6	6,583.5	6,658.0	8,318.2	7,689.9
Parts of integrated circuits	10,894.5	6,779.1	6,124.9	7,639.3	7,223.3	3,357.3	2,706.8
Diodes and transistors	12,298.2	9,390.9	8,280.9	8,548.3	10,083.6	11,650.0	12,406.9
Non-electronics	68,467.8	77,428.9	77,614.5	76,093.4	75,581.7	78,355.5	78,267.7
Electrical circuit apparatus	6,245.5	7,264.5	7,325.8	6,557.7	6,134.5	5,884.0	5,973.7
Electrical machinery nes	6,717.0	6,908.2	6,739.5	6,240.9	7,060.5	8,067.4	8,079.4
Miscellaneous Manufactures	33,775.1	35,582.9	38,615.1	40,525.6	41,002.7	41,897.3	42,970.6
Professional scientific & controlling instruments & apparatus nes	10,204.1	11,411.6	13,233.3	14,278.8	14,813.7	15,365.8	15,808.5
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	4,063.7	4,123.1	4,343.7	4,738.9	4,941.3	5,137.2	4,691.7
Articles of apparel & clothing accessories	1,454.9	1,495.6	1,667.9	1,591.2	1,704.7	1,854.6	1,930.1
Miscellaneous manufactured articles nes	16,691.9	17,043.6	17,845.0	17,058.0	16,719.5	17,369.7	17,828.3
Miscellaneous	11,648.2	16,353.6	18,272.4	22,962.1	19,171.3	21,658.9	18,811.5

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

3 Includes pagers, cellular/hand phones, TV cameras, video cameras and recorders, radar and navigational equipment, radio remote controls, satellite discs and parts for these products.

4 Includes television receivers, radio broadcast receivers, video and sound recorders, microphones, loudspeakers, headphones, earphones, television cameras, still image video cameras and other video camera recorders, and parts for these products.

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15.9 DOMESTIC EXPORTS BY COMMODITY SECTION

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Total	249,035.6	281,729.3	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3
Food	3,639.7	4,108.5	4,202.6	4,948.3	5,867.1	5,746.3	5,752.8
Coffee, tea, cocoa, spices & manufactures	904.4	959.4	852.0	853.2	999.2	874.0	885.9
Fish, seafood (excl marine mammals) & preparations	194.7	194.6	183.6	153.2	144.0	159.9	190.2
Vegetables & fruits	27.8	31.7	37.4	43.4	48.7	52.1	47.4
Beverages & Tobacco	426.1	457.6	554.7	579.1	655.0	1,026.3	854.4
Beverages	183.6	195.5	239.3	241.5	240.1	254.3	243.0
Tobacco & manufactures	242.6	262.1	315.5	337.6	414.9	771.9	611.4
Crude Materials	1,523.5	1,705.6	1,654.3	1,798.3	2,073.9	2,044.9	2,113.7
Metalliferous ores & metal scrap	1,026.1	1,208.9	1,224.9	1,267.9	1,262.0	1,114.0	1,016.1
Crude rubber	21.4	5.9	7.1	92.3	409.5	594.7	714.6
Crude fertilizers & minerals (excl coal petroleum & precious stones)	151.4	140.1	126.9	167.6	128.6	85.5	136.8
Crude animal & vegetable materials nes	61.6	56.2	54.5	47.7	51.9	51.6	41.1
Mineral Fuels & Lubricants	75,011.1	103,953.8	106,814.4	106,476.0	106,986.4	72,503.6	63,374.5
Petroleum & products ¹ & related materials	74,722.3	103,651.7	106,322.6	106,157.1	106,621.9	72,240.6	63,107.2
Animal & Vegetable Oils	267.2	236.8	226.8	227.6	217.4	163.0	155.3
Fixed vegetable fats & oils, crude, refined or fractionated	104.8	130.7	108.1	109.9	98.2	65.3	62.0
Animal or vegetable fats & oils ² nes	146.0	97.3	105.1	98.5	98.9	81.9	79.3
Chemicals & Chemical Products	43,528.3	48,450.9	50,685.9	46,397.1	49,382.6	47,629.2	45,250.8
Organic chemicals	19,497.8	23,006.0	22,082.1	19,064.3	19,058.6	18,840.5	18,288.6
Plastics in primary forms	9,627.2	9,383.3	9,050.4	10,346.6	13,033.0	11,668.8	10,759.6
Medicinal & pharmaceutical products	7,133.7	7,632.3	10,169.1	8,501.1	8,971.4	8,157.8	6,929.6
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	2,107.8	2,557.7	2,976.5	2,358.0	2,017.3	2,091.9	2,177.9
Manufactured Goods	7,027.7	6,932.1	5,980.0	6,243.2	6,507.4	6,094.5	5,547.6
Non-ferrous metals	1,097.7	1,059.9	785.7	744.8	878.9	730.7	666.7
Iron & steel	824.2	870.1	799.1	735.1	845.7	689.7	645.6
Manufactures of metals nes	2,557.2	2,005.5	1,937.8	2,340.5	2,389.2	2,056.0	1,814.3
Non-metallic mineral manufactures nes	646.8	1,121.9	665.3	541.1	437.7	590.3	569.7
Textile yarn, fabrics, made-up articles nes & related products	362.7	331.4	324.4	367.2	420.2	424.9	401.1
Paper, paperboard & articles of paper pulp or paperboard pulp	1,092.3	1,070.8	1,065.9	1,046.7	1,064.6	1,133.9	1,011.3
Rubber manufactures nes	341.2	332.1	275.1	309.2	324.4	325.3	313.3

(continued on the next page)

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

¹ Includes oil bunkers.² Includes processed waxes of animal or vegetable origin, inedible mixtures or preparations of animal or vegetable fats or oil nes.

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15.9 DOMESTIC EXPORTS BY COMMODITY SECTION (continued)

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Machinery & Equipment	94,412.0	91,057.6	87,557.9	78,863.5	73,567.0	75,867.4	72,538.0
Electronics	64,685.5	56,135.0	53,590.9	48,871.9	44,058.7	44,045.1	41,952.1
Integrated circuits	26,872.2	25,434.9	25,002.7	22,522.4	20,849.9	21,904.6	21,821.3
Parts of personal computers	12,884.6	11,051.3	9,643.4	7,084.1	5,528.9	4,420.4	4,071.6
Disk drives	5,472.6	2,801.5	3,103.8	2,440.4	1,910.0	1,670.3	1,146.1
Telecommunications equipment ³	1,665.3	1,932.1	2,644.0	1,528.9	1,453.9	2,220.8	2,176.0
Consumer electronics ⁴	1,786.1	1,258.7	1,221.7	1,239.1	861.1	650.4	857.6
Personal computers	1,657.7	2,338.0	2,461.3	3,698.4	3,784.1	5,187.9	4,522.7
Parts of integrated circuits	7,811.8	4,730.3	3,804.1	4,259.9	3,933.8	1,465.9	1,246.2
Diodes and transistors	3,558.4	3,777.6	2,991.6	3,278.5	3,412.2	3,940.6	3,869.4
Non-electronics	29,726.4	34,922.6	33,967.1	29,991.6	29,508.3	31,822.3	30,585.9
Electrical circuit apparatus	2,979.2	2,961.0	3,001.2	2,800.3	2,316.8	2,115.5	1,905.4
Electrical machinery nes	3,204.1	3,017.8	3,012.8	2,447.7	2,911.0	2,993.1	3,007.0
Miscellaneous Manufactures	19,498.7	20,727.1	22,127.9	21,159.8	19,800.9	19,859.9	19,909.5
Professional scientific & controlling instruments & apparatus nes	5,889.5	6,803.6	7,789.7	8,175.7	8,014.2	8,097.9	8,247.2
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	1,513.3	1,498.4	1,609.7	1,494.6	1,674.7	1,707.8	1,487.6
Articles of apparel & clothing accessories	184.2	184.1	163.2	178.0	165.9	141.2	184.6
Miscellaneous manufactured articles nes	11,566.9	11,854.4	12,200.4	9,746.5	9,570.1	9,579.5	9,645.7
Miscellaneous	3,701.2	4,099.2	5,364.4	4,523.8	4,720.4	6,797.8	8,436.8

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

³ Includes pagers, cellular/hand phones, TV cameras, video cameras and recorders, radar and navigational equipment, radio remote controls, satellite discs and parts for these products.

⁴ Includes television receivers, radio broadcast receivers, video and sound recorders, microphones, loudspeakers, headphones, earphones, television cameras, still image video cameras and other video camera recorders, and parts for these products.

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15.10 RE-EXPORTS BY COMMODITY SECTION

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Total	231,673.9	241,541.3	234,185.3	254,290.4	256,289.3	254,083.3	242,978.4
Food	1,815.6	2,554.6	2,027.4	2,115.4	2,364.6	2,473.4	2,109.0
Coffee, tea, cocoa, spices & manufactures	418.0	946.1	593.4	541.4	719.2	715.0	550.9
Fish, seafood (excl marine mammals) & preparations	308.0	310.6	261.5	256.4	262.8	352.1	302.1
Vegetables & fruits	279.9	364.8	351.5	368.1	410.8	432.0	457.8
Beverages & Tobacco	2,830.3	3,332.0	3,800.0	4,040.0	4,119.3	4,400.9	4,494.8
Beverages	2,282.6	2,718.2	3,072.4	3,259.9	3,266.6	3,495.4	3,468.1
Tobacco & manufactures	547.7	613.8	727.6	780.0	852.6	905.5	1,026.7
Crude Materials	1,296.4	1,609.6	1,376.3	1,844.9	1,398.6	1,527.3	1,829.0
Metalliferous ores & metal scrap	93.6	85.6	79.0	72.9	94.6	58.8	56.3
Crude rubber	637.2	866.6	640.3	488.7	282.3	561.5	662.1
Crude fertilizers & minerals (excl coal petroleum & precious stones)	152.1	232.6	214.3	534.1	267.2	196.4	185.5
Crude animal & vegetable materials nes	149.0	174.3	175.4	233.4	195.7	157.0	162.8
Mineral Fuels & Lubricants	28,499.9	32,819.7	24,085.7	18,484.9	15,876.1	9,325.1	5,863.6
Petroleum & products & related materials	28,497.8	32,818.3	24,083.4	18,483.0	15,873.7	9,225.2	5,797.1
Animal & Vegetable Oils	343.4	309.3	176.4	140.0	134.2	111.8	93.9
Fixed vegetable fats & oils, crude, refined or fractionated	290.0	302.7	171.4	133.6	129.0	103.1	86.0
Animal or vegetable fats & oils ¹ nes	51.4	3.0	2.4	3.8	4.1	7.7	5.9
Chemicals & Chemical Products	13,116.0	16,326.2	16,832.7	17,124.9	17,869.4	17,985.0	19,256.3
Organic chemicals	2,392.0	3,085.8	2,877.8	3,044.8	3,198.9	2,557.5	2,348.7
Plastics in primary forms	3,284.5	4,752.1	5,489.6	4,859.5	4,772.6	4,155.8	4,715.1
Medicinal & pharmaceutical products	1,198.4	1,215.2	1,262.4	1,496.8	1,440.3	2,319.9	2,340.4
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	2,776.3	3,529.9	3,424.0	3,814.9	4,365.8	4,750.2	5,621.5
Manufactured Goods	11,833.0	13,191.7	13,164.7	13,914.6	15,056.3	13,491.1	12,400.2
Non-ferrous metals	3,151.5	3,486.9	2,994.0	3,470.4	3,475.3	3,915.0	3,061.5
Iron & steel	3,376.0	3,823.9	3,971.7	3,741.6	3,464.7	2,520.1	1,971.9
Manufactures of metals nes	2,421.5	2,427.5	2,511.4	2,530.1	2,564.7	2,339.7	2,123.3
Non-metallic mineral manufactures nes	775.0	855.6	880.1	1,552.4	3,015.1	2,195.4	2,752.1
Textile yarn, fabrics, made-up articles nes & related products	739.2	738.0	691.1	762.1	701.0	639.8	635.2
Paper, paperboard & articles of paper pulp or paperboard pulp	388.2	721.2	909.4	937.0	947.0	897.8	955.6
Rubber manufactures nes	816.5	926.6	1,024.7	749.0	721.8	700.8	681.6

(continued on the next page)

Source : International Enterprise Singapore

Notes : Data are based on Standard International Trade Classification (SITC) Rev 4.1.

1 Includes processed waxes of animal or vegetable origin, inedible mixtures or preparations of animal or vegetable fats or oil nes.

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15.10 RE-EXPORTS BY COMMODITY SECTION (continued)

Million Dollars

Commodity Section	2010	2011	2012	2013	2014	2015	2016
Machinery & Equipment	149,716.0	144,288.0	143,327.0	158,821.6	163,818.1	167,870.2	163,495.8
Electronics	110,974.7	101,781.7	99,679.5	112,719.9	117,744.7	121,337.1	115,813.9
Integrated circuits	67,056.4	62,856.1	62,395.6	73,770.9	77,928.9	78,820.8	74,605.2
Parts of personal computers	12,099.3	10,433.1	8,798.6	8,791.8	8,239.5	8,430.7	7,122.8
Disk drives	2,140.9	1,722.6	2,013.2	2,110.4	2,280.4	2,664.5	2,278.9
Telecommunications equipment ²	6,420.0	7,691.1	7,403.4	8,509.2	8,639.6	11,202.5	10,935.4
Consumer electronics ³	4,469.6	3,911.6	3,310.1	3,079.7	2,958.2	2,730.9	2,646.0
Personal computers	1,993.9	2,713.3	3,132.2	2,885.2	2,873.9	3,130.3	3,167.2
Parts of integrated circuits	3,082.7	2,048.9	2,320.8	3,379.4	3,289.4	1,891.4	1,460.6
Diodes and transistors	8,739.8	5,613.3	5,289.2	5,269.8	6,671.4	7,709.4	8,537.5
Non-electronics	38,741.3	42,506.3	43,647.4	46,101.7	46,073.4	46,533.1	47,681.8
Electrical circuit apparatus	3,266.3	4,303.5	4,324.6	3,757.4	3,817.7	3,768.4	4,068.4
Electrical machinery nes	3,513.0	3,890.4	3,726.7	3,793.2	4,149.4	5,074.3	5,072.4
Miscellaneous Manufactures	14,276.4	14,855.8	16,487.2	19,365.8	21,201.7	22,037.3	23,061.1
Professional scientific & controlling instruments & apparatus nes	4,314.6	4,608.0	5,443.6	6,103.1	6,799.5	7,267.9	7,561.3
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	2,550.4	2,624.7	2,734.0	3,244.3	3,266.6	3,429.4	3,204.1
Articles of apparel & clothing accessories	1,270.6	1,311.5	1,504.6	1,413.3	1,538.8	1,713.4	1,745.4
Miscellaneous manufactured articles nes	5,125.0	5,189.2	5,644.6	7,311.5	7,149.4	7,790.2	8,182.6
Miscellaneous	7,947.0	12,254.4	12,908.0	18,438.3	14,450.9	14,861.1	10,374.8

Source International Enterprise Singapore

Notes Data are based on Standard International Trade Classification (SITC) Rev 4.1.

2 Includes pagers, cellular/hand phones, TV cameras, video cameras and recorders, radar and navigational equipment, radio remote controls, satellite discs and parts for these products.

3 Includes television receivers, radio broadcast receivers, video and sound recorders, microphones, loudspeakers, headphones, earphones, television cameras, still image video cameras and other video camera recorders, and parts for these products.

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15.11 TRADE IN SERVICES

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Total Trade in Services	275,488.2	298,761.7	322,731.4	358,810.2	396,365.1	416,714.2	421,679.4
Exports of Services	137,484.7	150,009.3	159,163.9	174,790.7	194,370.9	204,297.0	206,737.5
Imports of Services	138,003.5	148,752.4	163,567.5	184,019.5	201,994.2	212,417.2	214,941.9

Notes : Figures presented in this table are compiled from various sources. The bulk of the data is compiled from the International Trade in Services Survey conducted by the Singapore Department of Statistics. These are supplemented by data from other sources.

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15.12 EXPORTS OF SERVICES BY SERVICES CATEGORY

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Exports Of Services	137,484.7	150,009.3	159,163.9	174,790.7	194,370.9	204,297.0	206,737.5
Maintenance And Repair Services	8,648.4	9,343.9	9,053.1	10,769.1	9,856.2	9,265.2	9,706.3
Transport	52,775.1	53,601.5	55,851.4	57,649.7	66,155.9	65,474.4	66,801.9
Freight	41,430.6	41,528.4	43,156.1	45,959.9	53,083.7	52,240.4	53,538.7
Others	11,344.5	12,073.1	12,695.3	11,689.8	13,072.2	13,234.0	13,263.2
Travel	19,331.2	22,551.8	23,488.4	24,036.6	24,243.4	22,771.4	25,401.2
Insurance	4,821.8	4,860.2	4,537.4	5,125.8	6,310.1	8,376.7	8,824.5
Government Goods And Services	350.8	346.2	360.8	382.9	378.0	388.9	389.1
Construction	1,406.5	1,941.0	2,006.6	2,219.9	1,559.9	1,307.4	1,309.5
Financial	16,653.2	19,555.5	20,695.0	23,614.0	26,777.3	28,954.7	26,072.4
Telecommunications, Computer & Information	4,831.2	4,891.6	5,272.1	6,116.7	6,598.7	8,831.8	8,918.4
Charges For The Use Of Intellectual Property	1,330.3	2,089.9	2,320.4	3,974.4	4,794.3	7,121.6	7,377.7
Personal, Cultural And Recreational	689.2	651.5	667.8	698.8	712.9	619.0	638.2
Other Business Services	26,647.0	30,176.2	34,910.9	40,202.8	46,984.2	51,185.9	51,298.3
Accounting	355.9	402.3	407.3	400.3	332.2	307.3	304.7
Advertising And Market Research	1,073.8	1,642.1	2,681.4	4,629.6	7,763.3	10,137.5	10,051.5
Architectural	270.0	302.0	354.1	312.5	389.6	381.1	377.8
Business Management	13,538.1	14,831.4	16,671.5	19,783.5	19,997.0	20,945.9	20,768.1
Engineering And Technical	2,424.3	3,397.2	4,195.5	5,059.4	6,081.0	5,019.2	5,199.5
Legal	528.3	558.1	600.1	643.4	676.8	766.8	760.2
Research And Development	612.8	635.6	719.4	1,109.1	869.2	1,003.1	1,039.3
Trade-related	3,970.0	4,808.3	5,489.9	3,928.1	4,899.9	5,413.9	5,449.2
Others	3,873.8	3,599.2	3,791.7	4,336.9	5,975.2	7,211.1	7,348.0

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15.13 IMPORTS OF SERVICES BY SERVICES CATEGORY

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Imports Of Services	138,003.5	148,752.4	163,567.5	184,019.5	201,994.2	212,417.2	214,941.9
Maintenance And Repair Services	874.1	872.3	837.0	845.2	880.7	937.5	918.5
Transport	40,595.1	41,990.2	44,817.9	47,891.1	59,225.2	66,813.0	67,239.7
Freight	23,787.4	26,450.5	26,570.4	28,766.2	37,897.0	44,148.0	45,048.1
Others	16,807.7	15,539.7	18,247.5	19,124.9	21,328.2	22,665.0	22,191.6
Travel	25,497.3	27,048.4	28,926.3	30,664.9	30,865.2	30,360.1	30,535.3
Insurance	5,510.2	5,699.9	5,992.8	6,016.8	5,291.9	7,491.5	8,192.0
Government Goods And Services	261.3	260.8	256.8	287.0	295.1	275.9	309.8
Construction	702.0	944.0	944.0	972.4	692.7	667.5	668.5
Financial	3,493.8	3,915.1	4,070.9	4,675.7	5,549.9	6,057.4	6,258.1
Telecommunications, Computer & Information	4,823.6	6,028.2	6,824.8	8,879.0	10,941.0	11,514.1	11,570.5
Charges For The Use Of Intellectual Property	22,647.6	24,678.8	27,549.9	28,237.2	26,033.9	25,706.4	26,630.9
Personal, Cultural And Recreational	643.6	616.6	595.2	568.6	639.4	624.1	643.6
Other Business Services	32,954.9	36,698.1	42,751.9	54,981.6	61,579.2	61,969.7	61,975.0
Accounting	205.4	222.2	271.1	260.3	291.0	331.3	328.6
Advertising And Market Research	2,139.5	2,214.8	2,448.0	2,745.9	2,985.0	3,323.1	3,294.9
Architectural	64.0	62.5	84.6	78.8	56.9	47.8	47.4
Business Management	10,347.4	12,930.4	13,934.6	15,264.5	16,988.4	18,282.3	18,136.4
Engineering And Technical	1,749.7	1,967.7	2,340.8	2,755.9	3,316.6	3,269.8	3,387.4
Legal	284.5	234.7	664.0	262.8	299.4	315.9	313.2
Research And Development	3,921.2	4,528.2	5,250.3	11,254.8	9,904.0	9,338.6	8,819.7
Trade-related	6,851.5	7,964.1	9,424.8	11,063.9	11,973.8	12,162.0	12,309.2
Others	7,391.7	6,573.5	8,333.7	11,294.7	15,764.1	14,898.9	15,338.2

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15.14 EXPORTS OF SERVICES BY MAJOR TRADING PARTNER

Million Dollars

Trading Partner	2009	2010	2011	2012	2013	2014	2015
Asia	41,903.4	47,943.5	49,496.3	51,185.6	56,067.1	63,497.9	69,696.9
Brunei Darussalam	335.1	507.6	476.8	482.3	485.2	550.8	494.2
Cambodia	101.0	78.7	109.6	115.1	89.6	87.2	115.3
China	5,706.1	7,814.8	7,134.7	7,574.1	9,354.1	11,398.5	11,913.0
Hong Kong	4,371.4	4,925.8	5,094.3	5,138.7	5,138.8	5,835.2	6,959.2
India	3,842.8	4,241.6	4,351.1	4,434.1	4,944.5	4,546.7	4,626.1
Indonesia	3,820.5	3,410.9	3,634.3	4,191.9	4,577.9	4,856.0	5,114.8
Japan	5,628.5	6,835.4	7,850.1	8,241.4	9,416.0	11,520.4	14,300.1
Korea, Republic of	2,303.1	2,542.7	2,640.2	2,736.0	2,882.3	3,585.6	3,449.8
Malaysia	4,096.3	3,697.8	4,015.3	4,373.2	4,560.8	5,073.8	5,429.5
Myanmar	200.5	179.3	219.8	228.4	373.2	366.1	427.2
Philippines	1,000.3	1,164.3	1,258.5	1,249.9	1,390.7	1,726.6	1,909.5
Saudi Arabia	569.6	617.5	746.1	560.2	600.4	606.5	582.0
Taiwan	2,053.5	2,567.9	2,171.4	2,102.8	2,209.1	2,682.7	2,579.4
Thailand	1,901.6	2,601.1	2,756.7	3,375.5	3,475.2	3,816.6	4,135.1
United Arab Emirates	1,633.2	1,745.0	1,709.0	1,883.2	1,699.3	1,674.1	1,714.0
Viet Nam	1,027.7	959.0	1,340.1	1,521.1	1,745.3	1,992.2	2,312.4
Europe	24,930.9	26,460.2	28,536.3	29,067.2	33,484.9	36,599.4	37,227.6
Belgium	371.9	508.0	482.2	394.4	511.5	605.8	579.7
Denmark	2,158.7	1,963.6	1,839.7	1,532.8	1,602.4	1,634.9	1,890.0
France	1,075.7	1,462.0	1,405.2	1,561.0	1,678.9	1,889.4	2,304.5
Germany	2,918.9	3,210.5	3,506.3	3,471.6	3,816.4	3,973.4	3,391.3
Italy	404.3	496.7	571.1	685.8	709.5	766.3	709.0
Netherlands	2,099.6	2,533.4	2,505.2	2,469.3	2,941.7	3,076.8	3,494.3
Norway	1,924.2	1,746.6	1,506.2	1,692.2	2,061.6	2,303.1	2,558.6
Switzerland	2,335.5	2,471.4	3,331.0	4,261.1	4,861.3	6,100.5	6,843.5
United Kingdom	7,810.5	7,575.1	8,210.9	8,314.7	10,657.8	11,168.7	10,678.7
North America	14,471.5	17,099.3	17,571.7	20,117.4	21,652.2	23,628.8	24,149.5
United States of America	13,628.2	15,968.8	16,402.1	18,945.1	20,395.6	22,237.7	22,875.7
Canada	841.4	1,129.0	1,167.6	1,169.6	1,256.4	1,390.2	1,267.9
Oceania	8,970.7	10,455.6	12,525.3	14,348.2	14,971.1	16,139.3	16,576.9
Australia	7,442.9	8,866.9	10,535.5	11,619.8	11,955.0	13,149.4	13,182.3
New Zealand	865.3	855.8	1,038.9	1,314.8	1,519.7	1,712.3	2,081.5

(continued on the next page)

Notes : Figures presented in this table are solely compiled from the International Trade in Services Survey.

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15.14 EXPORTS OF SERVICES BY MAJOR TRADING PARTNER *(continued)*

Million Dollars							
Trading Partner	2009	2010	2011	2012	2013	2014	2015
South and Central America and the Caribbean	3,325.3	4,151.8	5,061.9	5,593.8	7,078.0	8,225.1	8,630.0
Panama	163.9	279.9	237.0	359.8	357.8	370.3	430.2
Africa	2,131.7	2,014.7	2,503.7	2,821.0	4,679.2	6,036.0	7,800.3
South Africa	400.1	379.8	410.5	434.4	632.1	611.7	558.4
ASEAN ¹	12,574.5	12,730.8	13,904.0	15,609.3	16,718.4	18,509.9	19,969.3
European Union (EU-28) ²	19,470.9	20,765.4	22,426.1	21,762.2	25,048.2	26,942.0	26,710.1

Notes : Figures presented in this table are solely compiled from the International Trade in Services Survey.

1 ASEAN includes Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Thailand and Viet Nam.

2 The European Union (EU-28) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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15.15 IMPORTS OF SERVICES BY MAJOR TRADING PARTNER

Million Dollars

Trading Partner	2009	2010	2011	2012	2013	2014	2015
Asia	27,919.5	32,179.9	35,979.7	36,908.3	41,642.9	49,867.2	54,196.8
Brunei Darussalam	43.5	38.9	43.7	65.1	55.5	61.3	72.2
Cambodia	103.3	111.5	133.9	132.8	71.5	68.8	82.9
China	4,521.3	5,347.7	6,671.7	7,188.8	8,167.3	10,628.4	11,141.9
Hong Kong	3,570.6	4,307.3	4,002.8	4,236.3	5,092.4	7,780.1	8,909.6
India	2,399.7	2,907.5	2,978.1	2,970.7	3,421.5	3,731.4	3,823.0
Indonesia	1,632.3	1,826.0	1,809.4	1,902.4	1,999.4	2,076.1	2,261.8
Japan	5,154.1	5,720.9	7,044.6	6,333.8	6,623.7	7,091.5	7,361.0
Korea, Republic of	1,556.4	1,867.6	2,232.3	2,470.0	2,693.9	3,394.0	3,524.1
Malaysia	1,990.3	2,132.4	2,354.8	2,602.9	2,800.1	2,836.0	3,171.9
Myanmar	77.1	75.3	77.1	82.1	172.3	161.0	214.9
Philippines	677.2	750.8	908.2	890.8	1,208.9	1,009.0	1,229.2
Saudi Arabia	115.5	146.5	211.9	167.0	185.8	267.0	634.6
Taiwan	1,912.3	2,320.5	2,519.7	2,422.8	2,781.8	3,677.7	3,880.8
Thailand	1,230.2	1,375.6	1,462.0	1,435.7	1,579.4	2,103.6	2,333.8
United Arab Emirates	1,062.5	1,107.5	1,303.5	1,461.3	1,934.1	1,878.5	2,031.5
Viet Nam	585.6	672.9	744.5	916.0	924.0	944.4	956.2
Europe	23,165.4	27,346.4	30,655.5	32,974.1	42,013.1	42,378.1	46,471.6
Belgium	235.4	242.2	388.3	365.4	574.5	726.9	771.4
Denmark	745.1	768.3	965.8	1,117.4	1,327.4	1,625.2	1,879.2
France	2,196.5	2,186.8	2,561.4	3,125.5	3,628.8	4,209.6	3,903.2
Germany	2,300.5	2,594.1	3,064.9	2,802.3	3,105.3	3,554.7	3,218.0
Italy	274.2	367.5	519.1	467.8	471.0	986.0	763.9
Netherlands	4,073.0	6,707.7	6,328.8	7,846.8	9,624.8	9,671.2	12,275.8
Norway	990.1	1,020.5	1,050.6	984.8	1,201.9	1,435.2	1,487.3
Switzerland	2,291.7	2,571.9	3,551.6	4,290.6	5,968.4	5,954.6	6,835.2
United Kingdom	7,312.2	7,647.3	8,219.3	7,665.4	8,405.4	6,706.9	7,066.5
North America	23,827.3	25,498.3	21,235.2	29,102.7	29,875.9	36,322.7	38,280.1
United States of America	23,199.1	24,729.7	20,524.8	28,176.3	28,744.0	34,886.1	37,161.5
Canada	450.1	594.7	710.4	731.1	1,131.8	1,250.2	1,115.9
Oceania	3,439.6	3,856.0	5,635.7	6,590.3	7,410.0	8,030.7	8,881.8
Australia	2,785.4	3,121.5	4,464.1	4,927.8	5,558.8	5,542.7	5,394.1
New Zealand	341.8	335.5	561.4	812.2	804.5	765.1	978.0

(continued on the next page)

Notes : Figures presented in this table are solely compiled from the International Trade in Services Survey.

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15.15 IMPORTS OF SERVICES BY MAJOR TRADING PARTNER *(continued)*

Million Dollars							
Trading Partner	2009	2010	2011	2012	2013	2014	2015
South and Central America and the Caribbean	6,515.7	8,156.5	11,546.4	13,219.8	16,474.7	15,705.7	12,588.7
Panama	340.5	476.8	457.1	522.6	947.0	1,266.0	1,237.4
Africa	1,066.5	1,140.8	1,466.4	1,729.0	2,583.1	3,394.4	3,376.0
South Africa	97.2	147.9	162.8	236.8	323.3	333.6	324.3
ASEAN ¹	6,385.7	7,021.0	7,595.4	8,071.1	9,006.8	9,272.7	10,333.1
European Union (EU-28) ²	18,790.6	22,729.7	24,764.0	26,177.7	32,871.8	32,465.3	35,124.5

Notes : Figures presented in this table are solely compiled from the International Trade in Services Survey.

1 ASEAN includes Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Thailand and Viet Nam.

2 The European Union (EU-28) comprises Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Rep, Slovenia, Spain, Sweden and the United Kingdom.

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16



Transport

16 Transport



Maritime Statistics



The Maritime and Port Authority of Singapore (MPA) is responsible for Singapore's port and maritime development, taking on the roles of port authority, port regulator, port planner, International Maritime Centre (IMC) champion, and national maritime representative. MPA partners the industry and other agencies to enhance safety, security and environmental protection in Singapore's port waters, facilitate port operations and growth, expand the cluster of maritime ancillary services, and promote maritime research and development as well as manpower development.

Singapore is both a premier global hub port, as well as an international maritime centre for ship owners, operators and other maritime service providers. In total, the Singapore maritime cluster comprises over 5,000 establishments.

Statistics on vessel traffic, cargo volumes and other port activities within Singapore port waters are collated by MPA.

Sea Cargo Handled, 2016



Definitions

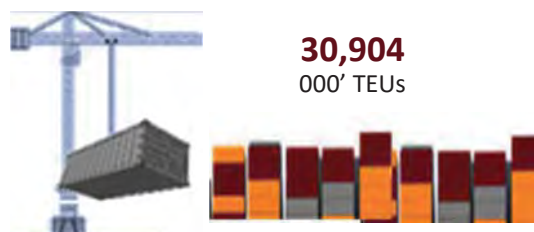


Vessel arrivals: Refers to the number of vessels exceeding 75 Gross Tonnage that arrive at the Port of Singapore during the year.

Total cargo: Refers to the volume of cargo handled by vessels at the Port of Singapore. The figures include transshipment cargo.

Total container throughput: Refers to the total number of containers (expressed in Twenty-Foot Equivalent Units) loaded and unloaded at the Port of Singapore. The figures include transshipment containers.

Container Throughput, 2016



Bunker sales: Refers to the volume of bunkers delivered within the Port of Singapore to vessels that are on international voyages.

Singapore Registry of Ships: Refers to the total number and tonnage of vessels registered under the Singapore flag.

Civil Air Traffic



The Civil Aviation Authority of Singapore (CAAS) provides air navigation services, regulates, promotes and facilitates the use and development of air services, airports and aerospace industries, as well as promotes and facilitates the development and improvement of civil aviation capabilities and skills in Singapore. Following the corporatisation of Changi Airport on 1 July 2009, the operations of Changi Airport, including the collection of data on passengers, airfreight, airmail and aircraft traffic passing through Changi Airport and Seletar Aerodrome, are managed by Changi Airport Group Pte Ltd (CAG).

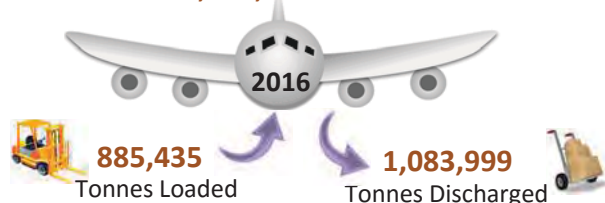
Statistics on passenger, airfreight, parcel mail and aircraft movements are compiled by CAAS from the data collected by CAG.

Transport ■



Air Cargo Handled ¹, 2016

1,969,434 Tonnes



¹ Refers to Changi Airport only. Excludes passenger baggage, diplomatic cargo and aircraft stores.

Public Roads



Public roads are classified into expressways, arterial roads, collector roads and local access roads ². Data on public roads refer to the length of roads measured in lane-kilometres.

Paved Roads, 2016

9,310 Lane-km



Definitions



Expressways: Refers to roads that provide planned long-distance mobility from one part of the island to another without the interruption of traffic lights.

Arterial Roads: Refers to roads connecting an expressway with roads surrounding or passing through estate developments. They also improve traffic circulation between adjacent towns.

Collector Roads: Refers to roads forming links between local roads and arterial roads and providing links to building or land developments.

Local Access Roads: Refers to roads that provide direct access to buildings and other developments and that only connect with collector roads.

Road Traffic Accident Casualties



Data on road traffic accident casualties are compiled from police records of fatal and injury traffic accidents that occurred on Singapore roads.

Total Casualties Fatalities, 2016



141

Total Casualties Injured, 2016



10,687

Public Transport



The Land Transport Authority (LTA) is a statutory board under the Ministry of Transport, which spearheads land transport developments in Singapore. As the agency responsible for planning, designing, building and maintaining Singapore's land transport infrastructure and systems, the LTA aims to bring about a greener and more inclusive public transport system, complemented by convenient options to walk and cycle for commuters in their daily travel. The LTA leverages on technology to strengthen the rail and bus infrastructure and provide exciting options for future land transport.

Vehicles Registered



All vehicles to be kept or used in Singapore must be registered with the LTA.

Motor Vehicle Population ³, 2016

956,430



³ Include vehicles which are exempted from Vehicle Quota System and all other taxes.

² Road length in lane-km data includes all public roads maintained by the Land Transport Authority. It excludes all roads maintained by the other agencies and on privately-owned areas.

16.1 SEA CARGO AND SHIPPING STATISTICS

	Unit	2010	2011	2012	2013	2014	2015	2016
Total Cargo	'000 Tonnes	503,342	531,176	538,012	560,888	581,268	575,846	593,297
General	'000 Tonnes	313,683	335,511	353,542	365,116	384,418	361,859	353,244
Bulk	'000 Tonnes	189,659	195,665	184,471	195,772	196,850	213,987	240,053
Total Container Throughput	'000 TEUs	28,431	29,938	31,649	32,579	33,869	30,922	30,904
Bunker Sales	'000 Tonnes	40,853	43,154	42,685	42,682	42,417	45,155	48,615
Singapore Registry of Ships	No.	3,978	4,111	4,232	4,379	4,595	4,739	4,717
(End of Period)	'000 GT	48,783	57,360	65,018	73,615	82,249	86,300	88,023

Source : Maritime and Port Authority of Singapore

Notes : GT refers to Gross Tonnage

TEU refers to Twenty-Foot Equivalent Unit

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16.2 VESSEL ARRIVALS ¹ BY TYPE

	2010	2011	2012	2013	2014	2015	2016
Number							
Total	127,299	127,998	130,422	139,417	134,883	132,922	138,998
Container ²	18,967	19,290	18,567	17,798	17,219	17,722	17,932
Freighter ³	8,742	8,530	8,103	7,990	7,591	7,900	8,686
Bulk Carrier ⁴	12,234	13,093	13,722	14,530	14,803	16,560	16,960
Tanker ⁵	21,355	22,280	22,230	22,617	22,218	22,062	23,695
Passenger ⁶	31,739	33,863	36,618	44,492	41,934	38,868	41,717
Barge ⁷	11,972	10,637	10,668	10,838	10,186	9,558	9,496
Tug ⁸	12,551	11,065	11,102	11,732	11,101	10,891	11,343
Miscellaneous ⁹	9,739	9,240	9,412	9,420	9,831	9,361	9,169
Shipping Tonnage ('000 GT)							
Total	1,919,408	2,120,282	2,254,353	2,326,121	2,371,107	2,504,155	2,662,695
Container ²	613,709	657,025	684,720	709,935	739,547	774,773	819,014
Freighter ³	42,853	43,222	41,228	43,201	40,608	41,852	50,694
Bulk Carrier ⁴	534,000	604,740	654,655	683,385	694,154	775,329	819,883
Tanker ⁵	569,394	652,682	693,839	704,844	707,464	719,445	780,849
Passenger ⁶	30,239	27,146	29,198	33,563	29,879	32,213	36,171
Barge ⁷	19,182	17,255	18,174	18,959	17,562	15,763	15,177
Tug ⁸	2,799	2,557	2,748	2,742	2,505	2,477	2,699
Miscellaneous	107,232	115,655	129,791	129,492	139,389	142,303	138,207

Source : Maritime and Port Authority of Singapore

1 Refers to the number of vessels exceeding 75 Gross Tonnage that arrive at the Port of Singapore during the reference period.

2 Refers to a ship structured specifically to carry containers.

3 Refers to a ship designed to carry general goods in parcel or in bulk form.

4 Refers to a ship which is intended primarily to carry dry cargo in bulk, including such types as ore carriers and combination carriers.

5 Refers to a ship constructed or adapted primarily to carry oil or gas in bulk in its cargo spaces and includes combination carriers.

6 Refers to a ship which carries more than twelve passengers.

7 Refers to a long flat-bottomed boat for carrying cargo, either under its own power or towed by another.

8 Refers to a boat used for pushing or towing other vessels.

9 Refers to vessels not categorised as container, freighter, bulk carrier, tanker, passenger, barge or tug.

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16.3 VESSEL ARRIVALS ¹ BY PURPOSE ²

	2010	2011	2012	2013	2014	2015	2016
	Number						
Cargo	52,548	51,515	50,562	50,288	49,890	48,842	49,830
Repairs	8,631	8,235	6,657	6,881	6,335	4,141	3,762
Bunkers	35,572	37,753	38,082	38,614	38,299	40,763	42,380
Supplies	21,629	22,685	24,166	26,334	27,340	29,756	31,265
Others	64,145	65,918	69,885	78,904	77,457	77,696	81,821
	Shipping Tonnage ('000 GT)						
Cargo	908,258	970,323	1,009,294	1,058,170	1,101,282	1,132,433	1,178,540
Repairs	34,593	37,267	34,886	34,076	40,247	40,898	30,221
Bunkers	1,376,135	1,544,991	1,643,832	1,692,737	1,691,125	1,784,106	1,884,256
Supplies	618,259	719,240	823,949	933,729	973,573	1,065,789	1,137,293
Others	613,812	720,272	810,699	920,117	1,076,411	1,230,833	1,274,139

Source : Maritime and Port Authority of Singapore

1 Refers to the number of vessels exceeding 75 Gross Tonnage that arrive at the Port of Singapore during the reference period.

2 The count of Vessel Arrivals by Purpose is based on the number of purposes a vessel performs in the Port of Singapore and a single vessel can perform more than one purpose.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14518>

16.4 CIVIL AIRCRAFT ARRIVALS/DEPARTURES, PASSENGERS AND MAIL

	Unit	2010	2011	2012	2013	2014	2015	2016
Aircraft								
Arrivals	No.	131,769	150,827	162,349	171,850	170,680	173,152	180,251
Departures	No.	131,824	150,884	162,373	171,915	170,706	173,182	180,239
Passengers								
Arriving	'000	20,486	22,778	25,056	26,500	26,669	27,491	29,204
Departing	'000	20,437	22,651	24,854	26,275	26,620	27,344	28,954
In Transit	'000	1,115	1,115	1,272	951	804	613	540
Mail								
In-coming	Tonnes	11,165	14,361	15,789	14,770	14,168	14,459	14,901
Out-going	Tonnes	16,027	19,235	19,844	20,973	22,163	19,386	21,990

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=959>

16.5 AIR CARGO DISCHARGED BY REGION/COUNTRY OF ORIGIN

							Tonnes
Region/Country	2010	2011	2012	2013	2014	2015	2016
Total	941,403	983,110	975,842	995,808	1,004,559	1,015,296	1,083,999
South East Asia	160,634	162,933	161,444	150,642	162,186	155,838	163,745
Indonesia	59,368	63,787	58,058	57,735	57,303	53,803	55,215
Malaysia	18,412	17,529	14,457	13,836	15,331	16,711	17,401
Philippines	15,126	13,527	12,648	11,360	11,684	11,032	11,401
Thailand	49,963	52,470	57,062	46,545	53,929	51,299	53,440
Vietnam	14,584	12,904	15,370	16,865	19,468	18,336	20,292
North East Asia	435,604	455,946	458,739	465,479	478,074	470,155	486,635
China	126,636	140,730	152,143	153,717	154,635	147,863	152,348
Hong Kong	119,850	128,050	135,449	138,482	140,056	139,585	140,873
Japan	69,998	67,479	60,775	63,751	72,660	78,870	85,340
South Asia	60,784	64,206	62,796	70,103	64,752	62,486	71,894
Middle East	22,536	22,859	26,936	30,280	30,691	34,671	39,980
Oceania	83,365	83,869	85,871	93,229	97,156	121,314	133,401
Europe	147,350	158,544	150,280	160,725	151,968	152,347	163,696
France	8,949	9,714	8,208	8,446	9,095	8,748	8,113
Germany	20,627	25,349	25,276	27,567	16,807	14,681	15,680
United Kingdom	21,522	23,110	22,902	27,436	25,449	25,224	22,757
North America	27,106	30,467	25,183	21,510	16,678	15,885	19,010
Other Regions	4,024	4,285	4,593	3,840	3,055	2,598	3,059
Not Stated	na	na	na	na	na	na	2,579

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.

Data exclude passenger baggage, diplomatic cargo and aircraft stores.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1361>

16.6 AIR CARGO LOADED BY REGION/COUNTRY OF DESTINATION

							Tonnes
Region/Country	2010	2011	2012	2013	2014	2015	2016
Total	872,406	882,142	853,278	841,894	839,240	837,791	885,435
South East Asia	186,976	183,053	187,900	185,273	182,370	175,283	179,785
Indonesia	62,726	67,358	65,095	69,638	60,832	55,664	60,099
Malaysia	31,494	28,977	29,054	29,881	29,881	29,170	23,531
Philippines	16,309	15,332	16,487	16,144	20,316	20,439	20,387
Thailand	50,213	48,082	55,639	44,743	45,338	43,098	43,005
Vietnam	20,987	17,752	15,684	16,986	17,530	17,935	22,570
North East Asia	283,049	296,887	275,545	279,504	281,000	285,797	307,118
China	84,084	87,420	78,801	82,602	79,801	85,106	86,088
Hong Kong	74,531	70,945	70,264	73,352	73,503	74,262	86,108
Japan	65,566	69,615	65,373	61,167	67,106	68,171	67,485
South Asia	76,527	74,211	69,059	67,213	68,605	68,773	75,280
Middle East	31,144	30,974	33,049	35,047	34,591	37,790	40,048
Oceania	107,074	115,393	120,755	118,970	123,250	125,467	121,686
Europe	134,549	131,523	118,869	115,514	116,346	111,300	120,225
France	9,549	8,910	8,022	8,247	8,245	7,676	9,151
Germany	28,855	26,845	25,351	21,743	19,317	18,124	19,889
United Kingdom	29,669	30,048	31,723	33,908	35,370	35,720	37,537
North America	42,209	37,682	31,654	29,100	22,183	24,069	29,756
Other Regions	10,878	12,419	16,446	11,274	10,896	9,311	10,215
Not Stated	na	na	na	na	na	na	1,322

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.

Data exclude passenger baggage, diplomatic cargo and aircraft stores.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1362>

16.7 AIR PASSENGER ARRIVALS BY REGION/COUNTRY OF EMBARKATION

Region/Country	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total	20,486	22,778	25,056	26,500	26,669	27,491	29,204
South East Asia	8,812	10,037	11,013	11,929	11,807	12,066	12,942
Indonesia	2,761	3,154	3,401	3,716	3,760	3,489	3,741
Malaysia	2,212	2,412	2,485	2,712	2,728	2,846	3,100
Philippines	967	1,191	1,251	1,279	1,273	1,314	1,353
Thailand	1,727	2,038	2,475	2,699	2,375	2,693	2,885
Vietnam	725	797	881	905	988	1,060	1,153
North East Asia	4,962	5,631	6,214	6,637	6,901	7,161	7,642
China	1,679	1,855	2,180	2,322	2,298	2,449	2,815
Hong Kong	1,435	1,701	1,717	1,716	1,870	1,843	1,827
Japan	889	914	1,049	1,209	1,286	1,362	1,402
South Asia	1,711	1,858	2,106	2,226	2,339	2,417	2,546
Middle East	420	461	530	605	639	749	795
Oceania	2,287	2,411	2,651	2,715	2,707	2,828	2,970
Europe	1,866	1,961	2,095	1,975	1,936	1,936	1,939
France	236	231	239	240	215	207	209
Germany	394	408	451	393	367	355	366
United Kingdom	654	692	722	633	594	602	601
North America	295	308	337	315	246	249	273
Other Regions	134	111	111	101	95	85	96

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.

Data exclude transit passengers who continued their journey on the same flight.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=5324>

16.8 AIR PASSENGER DEPARTURES BY REGION/COUNTRY OF DISEMBARKATION

Region/Country	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total	20,437	22,651	24,854	26,275	26,620	27,344	28,954
South East Asia	8,755	9,907	10,873	11,753	11,725	11,902	12,689
Indonesia	2,790	3,149	3,420	3,704	3,758	3,483	3,730
Malaysia	2,226	2,416	2,530	2,739	2,743	2,826	3,048
Philippines	934	1,156	1,189	1,236	1,238	1,285	1,336
Thailand	1,670	1,946	2,352	2,567	2,333	2,603	2,742
Vietnam	732	805	868	900	981	1,049	1,134
North East Asia	4,973	5,631	6,165	6,609	6,877	7,173	7,639
China	1,703	1,868	2,183	2,321	2,293	2,463	2,837
Hong Kong	1,414	1,691	1,684	1,692	1,846	1,829	1,793
Japan	894	906	1,044	1,212	1,287	1,388	1,410
South Asia	1,709	1,839	2,050	2,131	2,278	2,333	2,489
Middle East	412	448	545	623	643	742	786
Oceania	2,292	2,486	2,709	2,770	2,817	2,904	3,001
Europe	1,869	1,924	2,080	1,982	1,945	1,967	1,996
France	236	228	236	242	218	213	213
Germany	394	403	458	391	374	360	368
United Kingdom	647	658	693	629	586	603	635
North America	286	297	314	302	237	238	259
Other Regions	140	119	118	105	98	87	94

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.

Data exclude transit passengers who continued their journey on the same flight.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5328>

16.9 PUBLIC ROADS

(End of Period)

	Lane-Kilometres						
	2010	2011	2012	2013	2014	2015	2016
Total Paved Roads	8,895	9,045	9,081	9,178	9,233	9,246	9,310
Expressways	1,059	1,059	1,059	1,093	1,093	1,093	1,107
Arterial Roads	2,938	3,027	3,054	3,100	3,146	3,147	3,175
Collector Roads	1,526	1,580	1,584	1,593	1,599	1,607	1,622
Local Access Roads	3,372	3,380	3,384	3,392	3,394	3,399	3,406

Source : Land Transport Authority

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5248>**16.10 MOTOR VEHICLE POPULATION ¹ BY TYPE OF VEHICLE**

(End of Period)

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	945,829	956,704	969,910	974,170	972,037	957,246	956,430
Cars ²	584,399	592,361	605,149	607,292	600,176	575,353	552,427
Rental Cars	13,347	13,919	14,862	16,396	18,847	29,369	51,336
Taxis	26,073	27,051	28,210	27,695	28,736	28,259	27,534
Buses	16,309	17,046	17,162	17,509	17,554	18,183	18,804
Motorcycles & Scooters	148,160	146,559	144,110	144,934	145,026	143,900	143,052
Goods & Other Vehicles	157,541	159,768	160,417	160,344	161,698	162,182	163,277

Source : Land Transport Authority

¹ Includes vehicles which are exempted from Vehicle Quota System and all other taxes.² Includes private and company cars.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5270>

16.11 CAR POPULATION BY CC RATING

(End of Period)

CC Rating							Number
	2010	2011	2012	2013	2014	2015	2016
Total	595,185	603,723	617,570	621,345	616,609	602,311	601,257
1,000 cc & below	7,367	6,622	6,490	6,364	6,189	5,799	4,821
1,001 to 1,600 cc	331,246	329,957	335,409	335,419	331,104	321,082	325,700
1,601 to 2,000 cc	153,471	157,846	162,217	164,768	164,424	162,791	165,042
2,001 to 3,000 cc	87,986	92,432	94,712	95,295	95,251	93,358	87,832
3,001 cc & above	15,115	16,866	18,742	19,499	19,641	19,281	17,862

Source : Land Transport Authority

Notes : Data refer to private cars, company cars and rental cars only.
They do not include taxis and tax exempted cars.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5319>

16.12 AGE DISTRIBUTION OF CARS

(End of Period)

Age (Years)							Number
	2010	2011	2012	2013	2014	2015	2016
Total	595,185	603,723	617,570	621,345	616,609	602,311	601,257
Below 1	41,407	27,748	27,297	21,952	28,547	57,387	87,157
1 - below 2	68,503	41,426	27,759	27,299	21,943	28,540	57,370
2 - below 3	96,887	68,512	41,439	27,747	27,288	21,932	28,523
3 - below 4	105,917	96,877	68,512	41,420	27,727	27,267	21,759
4 - below 5	115,583	105,783	96,822	68,488	41,402	27,701	27,144
5 - below 6	88,437	115,335	105,599	96,742	68,460	41,372	27,635
6 - below 7	37,564	87,554	115,056	105,403	96,674	68,437	41,318
7 - below 8	14,014	34,178	86,307	114,665	105,216	96,602	68,362
8 - below 9	4,713	11,710	29,983	84,212	113,962	104,943	96,263
9 - below 10	3,790	3,376	8,089	23,039	73,764	107,529	97,596
10 - below 11	558	588	368	628	1,840	9,561	28,820
11 - below 12	501	558	585	362	614	1,817	9,378
12 - below 13	581	501	558	582	357	592	1,749
13 - below 14	475	575	500	556	567	345	554
14 - below 15	1,082	464	559	493	533	526	305
15 & above	15,173	8,538	8,137	7,757	7,715	7,760	7,324

Source : Land Transport Authority

Notes : Data refer to private cars, company cars and rental cars only.
They do not include taxis and tax exempted cars.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5325>

16.13 ROAD TRAFFIC ACCIDENT CASUALTIES

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total Casualties							
Fatalities	193	195	168	160	155	151	141
Injured	11,328	10,611	10,253	9,751	9,858	10,412	10,687
Pedestrians							
Fatalities	55	49	44	43	45	43	47
Injured	1,057	1,049	1,069	989	883	973	1,065
Cyclists & Pillion ¹							
Fatalities	16	15	16	15	15	17	20
Injured	562	513	442	436	503	606	594
Motor Cyclists & Pillion Riders							
Fatalities	89	99	76	73	74	72	62
Injured	5,490	5,003	4,800	4,383	4,634	4,928	5,102
Motor Vehicle Drivers & Passengers							
Cars & Station Wagons							
Fatalities	14	15	14	16	12	7	8
Injured	2,839	2,982	2,782	2,811	2,686	2,746	2,698
Goods Vans & Pick-Ups							
Fatalities	3	1	0	3	2	2	1
Injured	282	258	234	226	193	219	235
Lorries, Tipper Trucks & Trailers							
Fatalities	9	15	11	9	6	8	3
Injured	580	531	574	647	578	554	540
Buses							
Fatalities	2	1	4	1	0	2	0
Injured	481	245	320	243	342	358	415
Others							
Fatalities	5	0	3	0	1	0	0
Injured	37	30	32	16	39	28	38

Source : Singapore Police Force

1 Includes those using power assisted bicycles.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5513>

16.14 VEHICLES INVOLVED IN FATAL AND INJURY ROAD TRAFFIC ACCIDENTS BY TYPE OF VEHICLE

	2010	2011	2012	2013	2014	2015	Number 2016
Total	15,569	15,296	14,357	13,906	14,322	14,982	15,369
Bicycles and Power Assisted Bicycles	590	538	472	466	530	643	633
Motor Cycles & Scooters	5,100	4,801	4,572	4,231	4,506	4,694	4,913
Motor Cars & Station Wagons	7,168	7,308	6,821	6,637	6,723	6,930	7,172
Goods Vans & Pick-Ups	697	702	592	630	576	617	657
Lorries, Tipper Trucks & Trailers	1,372	1,364	1,345	1,361	1,384	1,413	1,321
Buses	557	496	465	499	505	568	572
Others	85	87	90	82	98	117	101

Source : Singapore Police Force

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5512>

16.15 PUBLIC TRANSPORT OPERATION AND RIDERSHIP

	Unit	2010	2011	2012	2013	2014	2015	2016
Rail Length	km	158.7	175.3	177.7	182.0	183.0	199.6	199.6
Mass Rapid Transit (MRT)	km	129.9	146.5	148.9	153.2	154.2	170.8	170.8
Light Rail Transit (LRT)	km	28.8	28.8	28.8	28.8	28.8	28.8	28.8
Rail Km Operated								
MRT Km Operated	Train-km ('000)	20,265	22,465	26,492	26,420	28,173	28,795	34,194
LRT Km Operated	Car-km ('000)	3,311	3,620	3,883	4,435	4,787	5,937	6,620
Average Daily Ridership								
MRT	'000 passenger-trips	2,069	2,295	2,525	2,623	2,762	2,871	3,095
LRT	'000 passenger-trips	100	111	124	132	137	153	180
Bus	'000 passenger-trips	3,199	3,385	3,481	3,601	3,751	3,891	3,939
Taxi	'000 passenger-trips	912	933	967	967	1,020	1,010	954

Source Land Transport Authority

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=9997>

17



InfoComm and Media



Revenue of the Information and Communication Technology Industry



The revenue of the information and communication technology industry refers to all sales income that is derived from carrying out the main activities of the enterprise from the industry, and is booked in Singapore, as reflected in total receipts.

It includes the total value of services rendered and commissions earned, agency fees, as well as administration and management fees, but excludes Goods and Services Tax and other sources of income such as rental and interests earned. All manufacturing output and sales to distributors are also excluded.

From 1999, the survey frame comprises companies with business activities relating to IT products and services as classified by the Singapore Standard Industrial Classification (SSIC), companies in the telecommunications business and companies providing content services. Companies based on the 5-digit SSIC as identified by the Info-communications Media Development Authority of Singapore (IMDA) are selected from the Commercial Establishment Information System (CEIS) database.

Radio and Television **ON AIR**

Mediacorp has the widest range of media platforms in Singapore, spanning digital, television, radio and print media. It pioneered the development of Singapore's broadcasting industry, with the broadcast of radio in 1936 and television in 1963. Today, Mediacorp has over 50 products in four languages (English, Mandarin, Malay and Tamil).

SPH Radio Pte Ltd manages and operates three radio stations, ONE FM 91.3, Kiss92 and UFM 100.3. ONE FM 91.3 is a 24-hour English music station that caters to male listeners aged 30 years and over, offering music that are popular among this demographic group, together with up-to-date sports and men's lifestyle news from leading sources.

Kiss92 is a 24-hour English music station that caters to female listeners aged 25 years and over. It provides in-depth content for women and families, coupled with adult contemporary music. Kiss92 is one of the nation's fastest growing radio stations, reaching out to almost 600,000 listeners weekly.

UFM 100.3 is a 24-hour Mandarin infotainment station that caters to listeners aged between 35 and 49 years. It delivers relevant and informative content in current affairs, health and wellness, financial planning, property investment, lifestyle, music and entertainment in a lively style, engaging more than 350,000 listeners weekly.

SAFRA Radio is a radio broadcaster specialising in defence-related information and lifestyle content including travel, food and movies. It has two radio stations under its wings, namely 88.3Jia FM and Power 98FM. 88.3Jia FM is the only bilingual station in Singapore that plays both Mandarin and English all-time favourite ballads from the 1980s to current hits. Power 98FM is an English lifestyle station that plays songs from the 1980s to current hits. In 2016, SAFRA Radio achieved an average weekly listenership of 402,000, comprising 208,000 from 88.3Jia FM and 194,000 from Power 98FM.

17.1

POSTAL ARTICLES HANDLED AND TELECOMMUNICATIONS

	Unit	2010	2011	2012	2013	2014	2015	2016
Postal Articles Handled	Million	2,009.1	2,085.5	2,029.6	1,997.7	1,997.8	1,983.4	1,896.7
Subscriptions ¹								
Fixed Line	'000	1,983.9	2,016.9	1,989.5	1,970.8	1,996.6	2,017.3	2,003.2
Residential	'000	1,203.1	1,237.1	1,214.1	1,207.7	1,247.6	1,280.6	1,295.9
Corporate	'000	780.8	779.7	775.4	763.1	749.0	736.8	707.3
Mobile Phone	'000	7,288.6	7,755.2	8,063.0	8,420.7	8,093.3	8,211.4	8,399.7
2G	'000	2,584.2	1,999.8	1,582.4	1,111.5	302.9	221.6	132.3
Post-paid	'000	289.8	204.5	152.7	117.8	89.8	49.2	30.9
Pre-paid	'000	2,294.4	1,795.3	1,429.7	993.7	213.1	172.4	101.4
3G	'000	4,704.5	5,755.4	6,480.6	5,258.3	4,608.8	3,913.5	3,412.1
Post-paid	'000	3,472.7	3,825.3	4,113.2	2,393.9	1,674.4	1,163.4	855.7
Pre-paid	'000	1,231.8	1,930.1	2,367.4	2,864.4	2,934.4	2,750.1	2,556.4
4G	'000	na	na	na	2,050.8	3,181.6	4,076.3	4,855.2
Post-paid	'000	na	na	na	na	2,924.0	3,628.6	4,085.1
Pre-paid	'000	na	na	na	na	257.6	447.7	770.1
Dial-up Internet ²	'000	67.5	58.3	23.8	20.6	18.3	12.9	11.3
Broadband ³	'000	7,849.3	9,222.3	10,194.9	10,653.6	11,537.2	11,992.1	12,543.7
Residential Wired ⁴	'000	na	1,237.9	1,277.6	1,295.4	1,347.5	1,359.9	1,335.9
Corporate Wired ⁵	'000	na	85.5	93.4	98.0	106.5	113.4	118.8
Wireless ⁶	'000	6,587.2	7,898.9	8,823.9	9,260.1	10,083.3	10,518.8	11,088.9
Total SMS Messages ⁷	Million	27,714.3	28,947.0	24,052.9	17,893.4	13,508.0	11,447.9	9,780.3
International Telephone Call Minutes ⁸	Million	12,436.3	12,367.4	13,444.8	14,489.6	18,165.5	22,018.2	23,638.8

Sources : Singapore Post

Info-communications Media Development Authority

Notes : With effect from 1 Oct 2016, the Infocomm Development Authority and the Media Development Authority were restructured to form the Info-communications Media Development Authority and the Government Technology Agency of Singapore.

¹ Refers to end of period.

² Includes contributions from Internet Access Service Providers (IASPs).

³ Includes retail xDSL, cable modems, leased line Internet, 3G, 3.5G/HSDPA, WiMAX or its equivalent and Wi-Fi hotspots access (including Wireless@SG subscriptions).

⁴ Includes all retail residential wired broadband subscriptions provided over xDSL, cable modems, leased line and optical fibre. Residential wireless broadband subscriptions are excluded.

⁵ Includes all retail corporate wired broadband subscriptions provided over xDSL, cable modems, leased line and optical fibre. Corporate wireless broadband subscriptions are excluded.

⁶ Includes all retail broadband Internet access subscriptions provided via wireless platforms such as 3G, 3.5G/HSDPA, WiMAX or its equivalent and Wi-Fi hotspots (including Wireless@SG subscriptions).

⁷ Includes 2G and 3G phones. Includes both sent and received SMS messages.
With effect from Mar 2013, data includes SMS messages sent and received over 4G mobile network.

⁸ Includes traffic contributed by all Service-Based Operators.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7394>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=7330>

17.2 REVENUE OF THE INFORMATION AND COMMUNICATION TECHNOLOGY INDUSTRY

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Local and Export Market ¹							
Total	82,842	94,521	113,286	156,341	167,054	189,569	175,803
Local	36,216	35,822	35,455	48,531	50,695	53,393	48,041
Export	46,626	58,699	77,831	107,810	116,359	136,177	127,763
Hardware and Software/IT Services Market ¹							
Total	82,842	94,521	113,286	156,341	167,054	189,569	175,803
Hardware	44,988	59,481	74,904	106,606	114,962	138,612	130,562
Software / IT Services	21,787	22,021	25,420	34,037	34,829	34,803	31,408
Telecommunications	14,038	10,221	10,838	12,281	13,941	12,412	11,114
Content Activities ²	2,029	2,798	2,125	3,417	3,322	3,742	2,720

Source : Info-communications Media Development Authority

Notes : With effect from 1 Oct 2016, the Infocomm Development Authority and the Media Development Authority were restructured to form the Info-communications Media Development Authority and the Government Technology Organisation.

Revenues were computed using data from large ICT companies and a sample of the remaining ICT companies stratified by the Singapore Standard Industrial Classification 2015.

Numbers may not add up to total due to rounding.

1 Includes telecommunication services revenue, resellers revenue and content services revenue.

2 Excludes revenue from 'Advertising activities' and 'Art and graphic design services'.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5240>

17.3 RADIO AND TELEVISION TRANSMISSION AND PAY TV SUBSCRIBERS

	Unit	2010	2011	2012	2013	2014	2015	2016
Radio (Mediacorp, SPH Radio & SAFRA)	Hours per Week	2,856	2,856	2,856	3,024	3,024	3,024	2,982
Television (Mediacorp)	Hours per Week	951	959	961	1,007	1,007	1,007	1,009
Pay TV Subscribers ¹	'000	802	898	934	951	962	960	906

Sources : StarHub Cable Vision Ltd
Singapore Telecommunications (Singtel)
Mediacorp Pte Ltd
SPH Radio Pte Ltd
SAFRA Radio

1 End of period.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5253>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5263>

17.4 DAILY NEWSPAPER CIRCULATION

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	1,520,424	1,498,078	1,466,150	1,439,563	1,374,856	1,337,718	1,251,217
English	782,295	763,149	747,419	738,760	715,025	696,046	672,392
Chinese	663,774	660,409	649,127	635,115	597,826	585,465	530,487
Malay	59,530	57,350	53,299	49,986	46,584	43,280	37,291
Tamil	14,825	17,170	16,305	15,702	15,421	12,927	11,047

Sources : Singapore Press Holdings Ltd
Mediacorp Press Ltd

Notes : Refers to daily average circulation for January-December.
English Newspapers - The Straits Times / Sunday Times, Business Times, The New Paper, New Paper Sunday (up to Nov 2016) / Little Red Dot / IN / TODAY, Tabla.
Chinese Newspapers - Lianhe Zaobao, Lianhe Wanbao, Shin Min Daily News, Thumbs Up, Thumbs Up Junior (from 2011), Thumbs Up Little Junior (from 2013), My Paper (up to Nov 2016), and zbComma.
Malay Newspapers - Berita Harian / Berita Minggu.
Tamil Newspapers - Tamil Murasu / Tamil Murasu Sunday.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5306>

18



Tourism

18 Tourism



International Visitor Arrivals



The Singapore Tourism Board publishes monthly statistics on international visitor arrivals. Quarterly and annual summaries of visitor profiles from major source markets are available from the “Quarterly Tourism Focus” and “Annual Report on Tourism Statistics” reports.

Data on international visitor arrivals are compiled from Disembarkation/Embarkation Forms completed by all visitors arriving in Singapore at the points of entry.

Definitions



Length of Stay: Refers to the actual length of stay in Singapore. The date of arrival as indicated in the disembarkation/embarkation card is matched against the date of departure to

compute the actual length of stay. As some visitors may not depart within the calendar year, the number of visitor departures may be lower than total visitor arrivals during the year.

In computing the average length of stay, visitors staying beyond 60 days were treated as having stayed 60 days for comparability among the ASEAN countries. This is to ensure that the overall average length of stay is not affected by long-staying visitors.

Standard Average Occupancy Rate:

Obtained by dividing gross lettings (room-nights) by available room-nights. Gross lettings refer to both paid and complimentary lettings. Available room-nights refer to room-nights available for occupancy, excluding rooms closed for renovations and staff use as declared by the hotels.

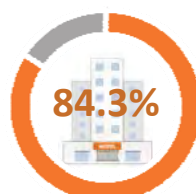
Key Indicators for 2016



16.4 mil
International
Visitor Arrivals ¹

¹ Excludes arrivals of Malaysians by land.

Standard Average
Occupancy Rate



9,474,205
Outbound Departures
of Singapore Residents...

...by Air
7,770,593



...by Sea
1,703,612



Average Length of Stay

3.4
days

Tourism Receipts: **\$24,595 mil**



18.1 INTERNATIONAL VISITOR ARRIVALS BY REGION/COUNTRY OF RESIDENCE

Region/Country	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total	11,641.7	13,171.3	14,496.1	15,567.9	15,095.2	15,231.5	16,403.6
Americas	524.8	563.7	616.4	641.5	635.3	657.3	680.7
Canada	75.1	82.9	87.8	92.7	92.8	96.2	98.5
United States	417.2	440.6	477.2	491.9	484.9	499.5	516.5
Asia	8,678.6	10,039.1	11,077.4	12,006.1	11,568.4	11,684.7	12,739.3
ASEAN ¹	4,821.8	5,414.3	5,779.6	6,166.4	6,113.1	5,748.2	6,007.5
Brunei	62.2	62.2	71.8	79.9	77.7	73.6	69.9
Indonesia	2,306.2	2,592.2	2,837.5	3,088.9	3,025.2	2,731.7	2,893.6
Malaysia	1,037.5	1,140.9	1,231.7	1,280.9	1,233.0	1,171.1	1,151.6
Philippines	544.4	677.7	656.8	687.8	676.5	673.4	691.6
Thailand	430.1	472.7	477.7	497.4	506.5	516.4	546.6
Viet Nam	322.9	332.2	366.2	380.5	424.4	418.3	469.4
Myanmar	78.3	94.2	93.0	99.4	112.8	105.5	113.6
China	1,171.5	1,577.5	2,034.2	2,269.9	1,722.4	2,106.2	2,863.7
Hong Kong	387.6	464.4	472.2	539.8	631.0	609.9	538.0
India	829.0	869.0	895.0	933.6	943.6	1,014.0	1,097.2
Kuwait	8.4	8.3	7.6	10.6	11.0	10.8	11.1
Japan	529.0	656.4	757.1	832.8	824.7	789.2	783.9
Korea, Republic of	360.7	414.9	445.2	471.8	537.0	577.1	566.5
Pakistan	21.9	20.9	21.2	20.2	17.7	18.9	22.2
Saudi Arabia	12.6	17.0	18.0	19.9	25.8	16.1	14.5
Sri Lanka	79.0	84.0	83.4	95.6	88.8	93.1	101.9
Taiwan	191.2	238.5	282.2	350.3	337.4	378.0	394.2
United Arab Emirates	56.5	62.7	65.6	72.6	75.7	78.7	80.2
Europe	1,373.5	1,401.5	1,537.3	1,591.2	1,617.2	1,635.7	1,743.0
Austria	20.1	19.9	23.3	24.7	26.5	25.1	26.8
Belgium & Luxembourg	24.4	25.0	26.8	27.4	28.7	27.6	29.4
France	130.5	140.3	158.9	160.0	156.9	157.5	170.9
Germany	209.3	220.0	252.4	251.6	263.5	286.7	328.8
Greece	8.0	7.1	8.1	7.2	8.3	8.9	8.7
Italy	51.1	53.5	65.6	66.7	67.1	69.4	74.6
Netherlands	76.5	81.1	81.6	82.9	81.8	79.1	82.2

(continued on the next page)

Source : Singapore Tourism Board

Notes : Data for visitor arrivals are compiled from Disembarkation/Embarkation Forms (IMM 27) completed by all visitors arriving in Singapore at the points of entry. Excludes arrivals of Malaysians by land.

- 1 ASEAN stands for 'Association of South East Asian Nations'. ASEAN comprises Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Singapore, Thailand and Viet Nam. However, when used in this statistical table, the term excludes Singapore.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2264>

18.1 INTERNATIONAL VISITOR ARRIVALS BY REGION/COUNTRY OF RESIDENCE *(continued)*

							Thousand
Region/Country	2010	2011	2012	2013	2014	2015	2016
Europe <i>(continued)</i>							
Scandinavia ²	96.5	97.0	111.5	113.1	109.5	105.6	104.3
Switzerland	74.4	79.0	83.9	94.4	103.4	100.8	101.5
United Kingdom	461.8	442.6	446.5	461.5	451.9	473.8	489.2
CIS ³ & Eastern Europe	119.7	127.9	153.8	177.5	191.2	167.0	183.5
Oceania	989.1	1,093.4	1,189.1	1,261.1	1,207.9	1,186.3	1,168.1
Australia	880.6	956.0	1,050.4	1,125.2	1,074.9	1,043.6	1,027.3
New Zealand	95.8	123.0	123.7	120.4	118.7	127.6	121.1
Africa	75.5	73.4	68.0	66.6	66.1	67.5	72.5
Not Stated	0.1	0.1	7.8	1.4	0.3	0.0	0.1

Source : Singapore Tourism Board

Notes : Data for visitor arrivals are compiled from Disembarkation/Embarkation Forms (IMM 27) completed by all visitors arriving in Singapore at the points of entry. Excludes arrivals of Malaysians by land.

2 Scandinavia comprises Denmark, Norway and Sweden.

3 CIS denotes The Commonwealth of Independent States comprising Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Republic of Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2264>

18.2 INTERNATIONAL VISITOR ARRIVALS BY (a) SEX AND (b) AGE GROUP

	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Total ¹	11,641.7	13,171.3	14,496.1	15,567.9	15,095.2	15,231.5	16,403.6
Sex							
Males	6,029.1	6,743.9	7,471.4	8,104.8	7,872.9	7,841.8	8,257.6
Females	5,131.0	5,920.0	6,705.0	7,458.1	7,222.2	7,389.7	8,145.9
Age Group (Years)							
Under 15	970.3	1,131.2	1,219.4	1,420.3	1,424.7	1,428.9	1,533.6
15 - 19	412.5	480.3	514.7	552.8	533.7	548.6	574.5
20 - 24	813.7	915.8	1,014.3	1,079.6	1,065.2	1,058.7	1,132.0
25 - 34	2,645.3	3,004.2	3,304.0	3,501.0	3,456.4	3,423.9	3,593.9
35 - 44	2,538.8	2,855.7	3,071.3	3,262.9	3,208.6	3,150.1	3,340.3
45 - 54	2,082.8	2,320.4	2,534.9	2,678.1	2,547.1	2,563.3	2,802.0
55 - 64	1,415.9	1,598.2	1,827.1	1,962.6	1,807.0	1,904.0	2,111.9
65 & Over	736.9	838.6	985.1	1,091.2	1,052.5	1,154.0	1,302.5
Not Stated	25.5	26.8	25.3	19.4	0.0	0.0	13.1

Source : Singapore Tourism Board

Notes : Data for visitor arrivals are compiled from Disembarkation/Embarkation Forms (IMM 27) completed by all visitors arriving in Singapore at the points of entry. Excludes arrivals of Malaysians by land.

¹ Includes sex not stated.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1993>

18.3 INTERNATIONAL VISITOR ARRIVALS BY LENGTH OF STAY

	Unit	2010	2011	2012	2013	2014	2015	2016
Total	'000	11,126.9	12,644.5	13,937.2	14,983.1	14,513.4	14,595.2	15,839.7
Under 1	'000	2,480.5	2,781.1	3,397.8	3,669.5	3,231.3	3,179.5	3,490.3
1	'000	2,188.4	2,464.0	2,786.7	3,065.2	2,627.1	2,729.7	3,194.3
2	'000	1,961.1	2,225.7	2,358.7	2,565.4	2,572.3	2,494.4	2,631.2
3	'000	1,636.2	1,954.8	2,058.6	2,156.9	2,265.4	2,274.8	2,406.6
4	'000	874.5	1,045.0	1,094.4	1,170.4	1,286.5	1,370.2	1,470.3
5	'000	469.8	535.0	560.0	593.0	659.5	707.4	781.0
6	'000	289.1	321.6	333.6	353.3	388.5	398.6	433.6
7	'000	204.3	226.8	232.4	245.9	264.6	270.7	286.4
8-10	'000	285.3	315.3	320.0	333.6	352.0	354.6	361.1
11-14	'000	204.7	220.1	221.2	229.5	236.1	235.9	232.4
15 - 29	'000	352.7	373.7	387.5	408.2	438.6	415.6	396.5
30 - 59	'000	130.7	133.5	137.5	141.3	140.9	117.1	111.0
60 & Over	'000	49.8	47.9	48.7	51.1	50.7	46.7	44.9
Average Length of Stay	Days	3.9	3.7	3.6	3.5	3.7	3.6	3.4

Source : Singapore Tourism Board

Notes : Data for visitor arrivals are compiled from Disembarkation/Embarkation Forms (IMM 27) completed by all visitors arriving in Singapore at the points of entry. Excludes arrivals of Malaysians by land.
Refers to visitors who left Singapore where length of stay is less than a year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1992>

18.4 TOURISM RECEIPTS BY MAJOR COMPONENTS

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Tourism Receipts	18,931	22,277	23,081	23,469	23,560	21,777	24,607
Accommodation	3,623	4,390	5,038	5,332	5,309	4,680	5,891
Food & Beverage	1,903	2,239	2,246	2,294	2,263	2,319	2,781
Shopping	3,971	4,489	4,588	4,553	4,116	3,913	5,914
Sightseeing, Entertainment & Gaming	4,013	5,391	5,240	5,471	5,823	5,093	4,364
Others ¹	5,421	5,768	5,970	5,819	6,049	5,772	5,657

Source : Singapore Tourism Board

¹ Includes expenditure on airfares, port taxes, local transportation, business, medical, education and transit visitors.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1765>

18.5 OUTBOUND DEPARTURES OF SINGAPORE RESIDENTS BY MODE OF TRANSPORT

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	7,342,276	7,752,926	8,047,808	8,647,066	8,902,705	9,125,331	9,474,205
Air	5,617,110	6,082,620	6,485,268	6,960,428	7,163,778	7,371,377	7,770,593
Sea	1,725,166	1,670,306	1,562,540	1,686,638	1,738,927	1,753,954	1,703,612

Source : Immigration & Checkpoints Authority

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=149>

18.6 GAZETTED HOTEL STATISTICS

	Unit	2010	2011	2012	2013	2014	2015	2016
Gazetted Hotels (At End Year) ¹	No.	96	98	101	113	134	148	155
Available Room Nights ²	'000	11,262.0	12,377.9	12,450.9	13,118.4	14,241.5	15,130.6	16,161.9
Standard Average Occupancy Rate ³	%	85.2	86.4	86.5	86.3	85.5	85.0	84.3
Standard Average Room Rate ⁴	\$	217.9	247.1	261.7	258.1	258.1	245.4	235.9
Room Revenue	\$m	2,091.0	2,643.5	2,818.4	2,923.1	3,146.9	3,163.8	3,221.1
Food and Beverage Revenue	\$m	1,052.0	1,315.1	1,309.9	1,344.7	1,424.9	1,460.5	1,474.7

Source : Singapore Tourism Board (STB)

1 Based on monthly hotel returns submitted to STB.

2 Refers to room-nights available for occupancy. Excludes rooms closed for renovations and staff use as declared by the hotels in the statutory forms. Data refer to hotels with 50 or more rooms.

3 Refers to gross lettings (room nights) divided by available room-nights. Data refer to hotels with 50 or more rooms.

4 Refers to total room revenue divided by gross lettings.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1990>

19



Finance

19 Finance



Household Sector Balance Sheet



The quarterly Household Sector Balance Sheet is compiled by the Singapore Department of Statistics. The quarterly series start from the reference period of 1st Quarter 1995. The Household Sector Balance Sheet shows the household sector's assets and liabilities at a particular point in time (i.e. as at end-of-period).

Household assets can be classified as financial or non-financial assets. Financial assets include currency and deposits, shares and securities (e.g. listed shares, unlisted shares, unit trusts and investment funds), life insurance (attributable to households as policyholders), CPF balances and pension funds. Non-financial assets, which refer mainly to residential property assets, are categorised into public housing and private housing.

Household liabilities comprise mortgages (from HDB and financial institutions) and personal loans (e.g. motor vehicle loans, credit or charge card loans and other personal loans from banks and other financial institutions).

Banking, Finance and Insurance



Before 1971, the various monetary functions normally associated with a central bank were performed by several government departments and agencies. To centralise these functions, the Monetary Authority of Singapore (MAS) was established in 1971 to assume the central bank role except for the currency issuing function which remained the responsibility of the Board of Commissioners of Currency Singapore (BCCS). In October 2002, the BCCS was merged with the MAS.

The MAS conducts monetary and exchange rate policies appropriate for sustained

and non-inflationary economic growth in Singapore. It administers the statutes pertaining to money and banking and formulates policies for the development of a sound banking system and an orderly financial market. It aims to develop Singapore into an international financial centre.

Statistics on banking, finance and insurance are compiled from returns submitted to the MAS. They may be found in the "[Monthly Statistical Bulletin](#)" and [Annual Reports](#) published by the MAS.

Asian Dollar Market



The Asian Dollar Market was officially established in October 1968 when approval was first given for a bank to operate an Asian Currency Unit (ACU). Since then, merchant banks have also been allowed to operate ACUs. As at 31 December 2016, there was a total of 154 ACUs in operation.

Insurance



The insurance industry is regulated by the MAS under the Insurance Act (Cap 142).

Insurance business in Singapore is divided into two classes – life business and general business.

The range of products offered by life insurers includes traditional whole life, endowment, term, accident, health and annuity plans as well as investment-linked insurance plans. General insurers provide coverage for a wide range of risks such as fire, marine and aviation, motor, work injury compensation and public liability.

Central Provident Fund



Please see Chapter 4.

Definitions

Money Supply: Refers to the amount of money in an economy. Narrowly defined, money supply (M1) consists of currency in active circulation and demand deposits. A broad definition of money supply (M2) comprises M1 and quasi money. The latter includes fixed, savings and other deposits with banks as well as negotiable certificates of deposit in Singapore dollar issued by Singapore banks. Money supply (M3) consists of M2 and net deposits with non-bank financial institutions.

Asian Currency Unit (ACU): Refers to an operational entity of a financial institution which has been granted approval by the MAS to participate in the Asian Dollar Market in Singapore. The ACU is essentially a separate accounting unit of a financial institution set up for its transactions in the Asian Dollar Market.

Official Foreign Reserves: Refers to the gross official reserves held by the MAS. These include gold and foreign exchange, Special Drawing Rights and Singapore's reserve position in the International Monetary Fund (IMF). Prior to May 1999, Singapore's official foreign reserves were valued at book cost. With effect from May 1999, the book value of foreign reserve

assets are translated at market exchange rates prevailing at the end of each reporting month.

Special Drawing Rights (SDR): Refers to an international reserve asset created by the IMF and allocated to its members in proportion to their quotas as a supplement to existing reserve assets. The SDR serves as the unit of account of the IMF. The valuation of the SDR is determined on the basis of a basket of five currencies: the US dollar, Euro, Chinese Renminbi, Japanese Yen and Pound Sterling.

Main Cards and Supplementary Cards: Refers to both credit and charge cards issued by the card issuing companies.

Total Cards Billings: Refers to total billings of Singapore cardholders excluding interest charges and membership fees.

Rolled Over Balances: Refers to balances that are subject to interest charges because they are not settled within the 'free credit' period. These include the minimum payment not settled by due date as well as the amount that is rolled over after settlement of the minimum sum.

Bad Debts Written Off: As the period when bad debts are written off differs from one card issuer to another, they are included as and when they occur.

Key Indicators

Household Sector Balance Sheet, 2016

Assets Billion Dollars		Liabilities Billion Dollars	
	Financial Assets	233.2	Mortgage Loans
	Residential Property Assets	75.9	Personal Loans
		309.1	Total Liabilities
	Total Assets		
	1,938.7		
		Net Worth Billion Dollars	
		1,629.6	

Money Supply, M1
was **\$172.8bil** in 2016



Official Foreign Reserves
was **\$356.3bil** in 2016
(end of year)



Assets/Liabilities of Asian
Currency Units was
US\$1,134.1bil in 2016



19.1 HOUSEHOLD SECTOR BALANCE SHEET

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Net Worth	1,191,575.5	1,273,593.2	1,378,668.6	1,437,209.0	1,477,102.3	1,533,948.1	1,629,598.2
Assets	1,403,144.1	1,510,197.0	1,641,560.2	1,717,246.6	1,771,440.5	1,835,361.4	1,938,682.1
Financial Assets	713,793.2	750,090.9	828,370.3	888,831.1	952,730.0	1,001,871.7	1,076,457.2
Currency & Deposits	247,094.2	273,927.1	298,331.4	322,598.2	342,273.5	365,826.5	395,597.0
Shares & Securities	160,796.1	146,391.8	166,205.5	174,846.8	184,163.2	179,079.4	181,972.2
Listed Shares	83,375.7	70,851.4	88,092.6	91,834.6	91,986.9	83,796.2	83,375.5
Unlisted Shares	37,757.7	35,036.8	31,861.1	31,423.4	34,695.6	36,852.3	38,157.4
Unit Trusts & Investment Funds	39,662.7	40,503.6	46,251.8	51,588.8	57,480.7	58,430.9	60,439.3
Life Insurance	107,262.3	108,533.9	119,720.0	124,339.1	136,665.7	141,756.4	153,973.0
Central Provident Fund ¹	185,888.0	207,545.5	230,157.7	252,968.6	275,363.9	299,522.4	328,895.3
Pension Funds	12,752.6	13,692.7	13,955.7	14,078.4	14,263.7	15,687.0	16,019.6
Residential Property Assets	689,351.0	760,106.1	813,189.9	828,415.5	818,710.5	833,489.7	862,224.9
Public Housing	349,156.4	389,420.4	415,738.5	412,752.5	394,669.3	400,951.4	413,575.6
Private Housing	340,194.6	370,685.7	397,451.4	415,663.0	424,041.2	432,538.3	448,649.3
Liabilities	211,568.6	236,603.8	262,891.6	280,037.6	294,338.3	301,413.3	309,083.9
Mortgage Loans	158,326.3	174,589.5	193,006.9	205,385.2	216,714.2	224,732.5	233,227.9
Financial Institutions	115,279.6	133,605.7	154,071.2	168,623.1	179,536.2	186,863.5	194,187.8
Housing Development Board	43,046.7	40,983.8	38,935.7	36,762.1	37,178.0	37,869.0	39,040.1
Personal Loans	53,242.3	62,014.4	69,884.8	74,652.4	77,624.1	76,680.8	75,855.9
Motor Vehicle	15,075.7	14,449.2	14,324.7	12,433.0	10,265.0	9,611.0	9,737.7
Credit/Charge Cards	6,899.9	7,891.3	8,972.8	9,948.8	10,429.1	10,266.1	10,800.3
Others ²	31,266.7	39,673.9	46,587.3	52,270.7	56,929.9	56,803.7	55,317.9

Notes : Data are non-seasonally adjusted.

Numbers may not add up due to rounding.

1 Refers to the total amount due to members (net of withdrawals).

2 Includes education loans, renovation loans, pawnshop loans, hire purchase loans (excluding those for motor vehicles), overdrafts and loans extended to individuals for investment and business purposes.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1952>

19.2 CURRENCY IN CIRCULATION

(End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Gross Circulation	25,772.8	28,180.1	32,266.1	33,806.1	36,428.8	39,688.8	45,318.8
Notes	24,585.4	26,941.7	30,984.2	32,479.5	35,049.4	38,254.1	43,830.7
Coins	1,187.4	1,238.4	1,281.9	1,326.6	1,379.4	1,434.7	1,488.1

Source : Monetary Authority of Singapore

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5405>

19.3 MONEY SUPPLY

(End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Money Supply (M1)	112,487.0	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5
Currency in Active Circulation ¹	22,299.5	24,690.3	26,361.3	28,851.6	31,506.9	34,042.3	38,525.0
Demand Deposits of Private Sector	90,187.5	105,901.6	114,347.8	125,745.7	128,710.8	126,403.5	134,228.5
Money Supply (M2)	403,096.1	443,358.1	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4
M1	112,487.0	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5
Quasi-Money	290,609.1	312,766.2	334,683.4	341,310.5	352,213.1	359,793.9	389,333.9
Fixed Deposits	154,417.3	160,699.6	175,270.8	171,989.3	172,712.0	174,465.4	189,277.6
S\$ Negotiable Cert of Deposits	20.0	165.0	90.2	482.8	390.8	722.0	327.1
Savings and Other Deposits	136,171.8	151,901.6	159,322.4	168,838.4	179,110.3	184,606.5	199,729.2
Money Supply (M3)	410,109.3	451,666.3	485,915.4	506,900.0	524,166.4	532,944.5	573,906.0
M2	403,096.1	443,358.1	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4
Net Deposits with Finance Companies	7,013.2	8,308.2	10,522.9	10,992.2	11,735.6	12,704.8	11,818.6

Source : Monetary Authority of Singapore (MAS)

1 Excludes commemorative, numismatic and bullion coins issued by the Monetary Authority of Singapore and cash held by commercial banks and other financial institutions.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5398>

19.4 MONETARY SURVEY

(End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Money Supply							
M1	112,487.0	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5
Quasi-Money	290,609.1	312,766.2	334,683.4	341,310.5	352,213.1	359,793.9	389,333.9
M2	403,096.1	443,358.1	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4
Domestic Credit	402,502.2	466,122.4	522,034.6	582,704.8	626,023.9	638,949.5	668,524.3
Government	92,334.1	98,231.2	105,428.5	105,211.8	114,853.2	120,563.4	123,215.7
Private Sector	310,168.1	367,891.2	416,606.1	477,493.0	511,170.7	518,386.1	545,308.6
Government Deposits	142,188.2	160,243.4	178,122.1	162,779.8	133,431.9	151,767.7	114,128.1
Net Foreign Position	309,700.1	301,355.1	304,296.3	291,126.5	291,404.1	303,668.2	315,115.0
Monetary Authorities	287,658.8	306,983.9	315,467.1	341,133.8	343,503.9	352,515.5	352,596.8
Banks	22,041.3	-5,628.8	-11,170.8	-50,007.3	-52,099.8	-48,847.3	-37,481.8
Other Items	-166,918.0	-163,876.0	-172,816.3	-215,143.7	-271,565.3	-270,610.3	-307,423.8

Source : Monetary Authority of Singapore

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5402>

19.5 OFFICIAL FOREIGN RESERVES

(End of Period)

	Unit	2010	2011	2012	2013	2014	2015	2016
Total Foreign Reserves	\$m	288,954.1	308,403.2	316,744.2	344,729.2	340,438.1	350,990.8	356,253.9
Special Drawing Rights	\$m	1,969.8	1,732.9	1,641.1	1,697.7	1,677.9	1,717.7	1,446.4
Reserve Position in the International Monetary Fund	\$m	421.0	1,080.8	1,115.8	1,296.7	1,084.1	852.6	1,441.7
Gold & Foreign Exchange	\$m	286,563.3	305,589.5	313,987.3	341,734.8	337,676.1	348,420.5	353,365.8
Total Foreign Reserves	US\$m	225,754.2	237,737.0	259,307.1	273,065.1	256,860.4	247,747.4	246,575.3

Source : Monetary Authority of Singapore

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5401>

19.6 EXCHANGE RATES

(Average for the Year)

	2010	2011	2012	2013	2014	2015	2016
S\$ Per Unit of :							
Australian Dollar	1.2524	1.2971	1.2940	1.2107	1.1431	1.0339	1.0272
Chinese Renminbi	0.2014	0.1946	0.1981	0.2035	0.2057	0.2187	0.2080
Euro	1.8095	1.7495	1.6071	1.6621	1.6837	1.5267	1.5286
Hong Kong Dollar	0.1755	0.1616	0.1611	0.1613	0.1634	0.1773	0.1780
Malaysian Ringgit	0.4234	0.4111	0.4046	0.3973	0.3873	0.3534	0.3333
Pound Sterling	2.1073	2.0161	1.9803	1.9573	2.0873	2.1023	1.8726
US Dollar	1.3635	1.2579	1.2497	1.2513	1.2671	1.3748	1.3815
S\$ Per 100 Units of :							
Indian Rupee	2.9827	2.7027	2.3442	2.1448	2.0768	2.1434	2.0557
Indonesian Rupiah	0.0150	0.0143	0.0133	0.0120	0.0107	0.0103	0.0104
Japanese Yen	1.5543	1.5780	1.5672	1.2840	1.1996	1.1364	1.2727
Korean Won	0.1180	0.1135	0.1109	0.1144	0.1204	0.1215	0.1190
New Taiwan Dollar	4.3292	4.2798	4.2262	4.2155	4.1812	4.3298	4.2831
Philippine Peso	3.0228	2.9038	2.9592	2.9492	2.8535	3.0199	2.9086
Thai Baht	4.2986	4.1252	4.0199	4.0750	3.9002	4.0175	3.9141

Source : Monetary Authority of Singapore

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5297>

19.7 NUMBER OF FINANCIAL INSTITUTIONS IN SINGAPORE

	2011	2012	2013	2014	2015	2016	Number 2017
Banks	120	123	123	124	126	124	128
Local	6	6	6	5	5	5	5
Full banks	5	5	6	5	5	5	5
Wholesale banks ¹	1	1	0	0	0	0	0
Foreign	114	117	117	119	121	119	123
Full banks	26	26	27	28	28	28	29
Wholesale banks ¹	50	52	53	55	56	53	57
Offshore banks	38	39	37	36	37	38	37
(Banking offices including head offices and main offices)	428	432	425	425	429	428	428
Asian Currency Units	163	165	161	159	160	155	157
Banks	117	120	120	121	123	122	126
Merchant banks	46	45	41	38	37	33	31
Finance Companies	3	3	3	3	3	3	3
(Finance companies' offices including head offices)	39	39	39	39	39	39	39
Merchant Banks	47	46	42	39	38	34	32
Insurance Companies	157	164	168	177	181	186	186
Direct insurers	63	70	72	79	80	79	81
Professional reinsurers	28	29	28	31	31	32	31
Authorised reinsurers	6	6	6	6	6	5	4
Captive insurers	60	59	62	61	64	70	70
Insurance Brokers	64	67	69	71	74	75	77
Bank Representative Offices	34	36	38	36	37	39	42
International Money Brokers	10	9	9	9	10	12	12
Licensed Financial Advisers	67	67	62	58	60	62	61

(continued on the next page)

Source : Monetary Authority of Singapore

Notes : Data as at end March of each year.

¹ Previously known as restricted banks.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1768>

19.7 NUMBER OF FINANCIAL INSTITUTIONS IN SINGAPORE *(continued)*

	Number						
	2011	2012	2013	2014	2015	2016	2017
Capital Markets Services Licensees	251	250	295	443	493	533	584
Dealing in Securities	98	94	106	118	123	137	151
Trading in Futures Contracts	47	50	52	59	60	68	71
Advising on Corporate Finance	33	34	37	40	42	40	46
Fund Management	118	119	158	289	335	367	404
Leveraged Foreign Exchange Trading	19	20	23	24	24	27	29
Securities Financing	18	17	17	17	17	17	18
Providing Custodial Services for Securities	40	40	38	37	37	37	42
Real Estate Investment Trust Management	22	23	26	31	34	36	38
Providing Credit Rating Services ²	na	na	3	3	4	4	4
Licensed Trust Companies	48	50	51	52	54	53	58
Registered Fund Management Companies ³	na	na	74	236	275	273	273

Source : Monetary Authority of Singapore (MAS)

Notes : Data as at end March of each year.

As the data breakdown of "Capital Markets Services Licensees" refer to the types of regulated activities which a "Capital Markets Services Licensee" is licensed to conduct, the components of "Capital Markets Services Licensees" will not add up to its total.

² Regulation of credit rating services came into effect on 17 January 2012.

³ Registration of fund management companies commenced under an enhanced regulatory regime which came into effect on 7 August 2012.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1768>

19.8 ASSETS OF DOMESTIC BANKING UNITS

(End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Total Assets	781,607.4	855,811.4	911,009.0	967,814.4	1,055,131.1	1,057,520.7	1,146,172.7
Cash	2,219.9	2,796.4	2,756.0	2,807.5	2,917.1	4,396.2	3,989.1
Amounts Due from Banks	232,272.3	216,223.0	184,902.7	142,986.5	183,016.5	170,139.1	231,231.9
In Singapore	77,972.8	58,857.6	44,059.5	27,601.4	32,391.8	26,960.5	45,371.3
Outside Singapore	85,147.4	95,240.3	96,781.5	86,168.3	103,735.6	91,518.4	121,833.5
Asian Currency Units	69,152.1	62,125.1	44,061.6	29,216.8	46,889.1	51,660.2	64,027.0
Balances with Monetary Authority of Singapore	15,878.7	17,815.3	19,503.3	32,107.0	20,311.6	22,218.5	21,967.4
Securities and Equities Issued by Private Entities	36,034.3	38,484.1	41,562.4	49,723.3	56,476.5	58,452.8	58,778.8
Debt Securities							
In Singapore	8,365.6	9,922.2	10,973.6	12,326.8	11,414.4	11,106.5	9,273.7
Outside Singapore	12,416.8	13,572.4	14,803.7	12,376.5	12,633.0	14,122.2	16,022.0
Equity Investments							
In Singapore	10,088.1	9,957.9	10,362.0	11,541.7	18,523.9	11,474.7	11,966.2
Outside Singapore	5,163.8	5,031.6	5,423.1	13,478.3	13,905.3	21,749.3	21,516.9
Debt Securities by Government Related Entities	94,047.0	99,227.4	111,755.8	117,755.4	128,484.0	136,437.7	143,477.3
Government of Singapore	84,853.4	91,417.5	98,422.4	98,213.9	107,852.9	112,648.2	114,335.5
Statutory Authorities	4,219.1	6,780.8	9,372.0	17,111.0	16,377.5	14,121.2	18,632.8
Other Governments	4,974.6	1,029.2	3,961.4	2,430.5	4,253.6	9,668.3	10,509.0
Loans & Advances including Bills Financing	322,743.8	420,455.5	490,706.5	574,274.4	607,200.5	599,756.0	617,347.4
Bills Discounted or Purchased ¹	20,050.4	44,582.2	56,292.0	79,657.4	75,343.9	52,846.8	44,599.1
Payable In Singapore	4,430.6	6,947.6	8,490.1	12,921.7	11,735.7	11,410.3	10,966.5
Payable Outside Singapore	15,619.8	37,634.6	47,801.9	66,735.7	63,608.2	41,436.5	33,632.6
Loans & Advances	302,693.4	375,873.3	434,414.5	494,617.1	531,856.6	546,909.1	572,748.3
Resident	283,064.5	334,282.5	377,408.3	423,591.8	453,119.3	470,273.3	494,469.3
Non-Resident	19,628.9	41,590.8	57,006.2	71,025.3	78,737.3	76,635.8	78,279.0
Other Assets ²	78,411.4	60,809.6	59,822.4	48,160.2	56,724.9	66,120.5	69,380.9

Source : Monetary Authority of Singapore (MAS)

¹ Excludes bills rediscounted between banks.

² Includes S\$NCDs held and the value of fixed assets is reported before depreciation.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5393>

19.9 LIABILITIES OF DOMESTIC BANKING UNITS

(End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Total	781,607.4	855,811.4	911,009.0	967,814.4	1,055,131.1	1,057,520.7	1,146,172.7
Capital & Reserves	62,441.7	64,845.4	66,305.4	66,291.7	71,000.0	76,107.6	82,989.2
Deposits of Non-bank Customers ¹	433,757.8	483,110.3	518,840.7	537,582.9	550,363.9	560,011.5	596,611.5
Demand Deposits	100,394.2	120,133.3	130,965.7	142,676.7	147,007.3	141,953.0	151,193.5
Fixed Deposits	185,564.8	197,609.5	213,657.9	210,490.5	207,959.3	216,838.7	228,464.0
Savings Deposits	146,802.5	163,782.5	171,785.5	181,865.7	192,101.8	197,140.1	211,446.2
Other Deposits	996.3	1,585.1	2,431.7	2,549.9	3,295.4	4,079.6	5,507.7
Amounts Due to Banks	188,564.9	226,427.6	244,892.2	293,986.6	339,191.0	318,247.1	359,009.8
In Singapore	14,189.7	9,900.5	12,088.7	11,244.2	12,876.3	11,353.0	17,412.8
Outside Singapore	55,024.4	69,048.4	70,056.7	76,612.7	101,883.9	94,913.2	110,533.6
Asian Currency Units	119,350.8	147,478.7	162,746.8	206,129.6	224,430.8	211,980.9	231,063.4
Other Liabilities ²	96,843.1	81,428.0	80,970.7	69,953.3	94,576.2	103,154.6	107,562.2

Source : Monetary Authority of Singapore

1 Excludes non-bank customers' holdings of Singapore dollar negotiable certificates of deposits (S\$NCDs).

2 Includes accumulated depreciation for fixed assets and S\$NCDs issued.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5393>

19.10 LOANS AND ADVANCES OF DOMESTIC BANKING UNITS TO NON-BANK CUSTOMERS BY INDUSTRY (End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Total	322,743.8	420,455.5	490,706.5	574,274.4	607,200.5	599,756.0	617,347.4
Loans to Businesses	171,224.5	240,916.4	284,173.2	349,231.0	370,760.6	357,001.0	367,008.1
Agriculture, Mining & Quarrying	382.2	1,719.7	2,104.3	4,905.9	5,536.0	5,611.6	5,834.2
Manufacturing	10,917.6	19,023.5	27,166.3	31,601.6	29,614.7	26,000.9	26,227.6
Building & Construction ¹	53,593.9	67,304.4	78,704.0	91,274.7	103,712.6	119,405.2	121,387.2
General Commerce	30,982.9	48,809.6	57,349.8	75,888.3	78,082.4	65,954.1	63,958.1
Transport, Storage & Communication	9,018.1	11,883.2	13,089.2	17,162.7	20,045.3	20,810.4	20,998.7
Business Services	2,990.5	4,667.6	4,748.1	7,056.6	8,586.9	7,246.9	7,946.9
Financial Institutions	37,984.6	55,550.9	64,895.1	76,387.4	80,984.1	68,697.9	80,391.2
Professional & Private Individuals - Business Purposes	3,258.0	4,237.3	5,920.7	7,186.5	9,746.0	9,419.1	8,930.0
Others	22,096.7	27,720.2	30,195.7	37,767.3	34,452.6	33,854.9	31,334.2
Consumer Loans	151,519.4	179,539.0	206,533.3	225,043.5	236,439.9	242,754.8	250,339.5
Housing & Bridging Loans	112,381.3	131,106.5	152,003.0	166,542.0	177,434.6	184,680.6	192,099.8
Professional & Private Individuals							
Car Loans	11,678.5	12,743.9	12,523.5	10,693.3	8,641.5	7,845.3	7,858.1
Credit Cards	6,888.9	7,881.6	8,963.9	9,941.1	10,422.4	10,260.5	10,795.4
Share Financing	1,319.6	931.5	1,060.1	1,167.0	989.6	2,266.7	2,457.6
Others	19,251.1	26,875.5	31,982.8	36,700.1	38,951.8	37,701.7	37,128.6

Source : Monetary Authority of Singapore

Notes : Data include bills financing.

The industry categories have been refined according to Singapore Standard Industrial Classification 2015, and is by end-use of loans.

If this classification is not possible, the borrower's main business activity will be used.

1 Includes loans to building and building co-operative societies, building developers and real estate agents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6006>

19.11 ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS

(End of Period)

Million US Dollars

	2010	2011	2012	2013	2014	2015	2016
Assets							
Total	971,299.4	1,019,532.9	1,093,264.6	1,180,374.8	1,190,475.4	1,155,822.6	1,134,099.6
Loans to Non-bank Customers	268,081.7	312,814.0	340,914.0	400,597.0	433,648.4	407,968.8	388,691.8
Inter-bank Funds	501,891.4	528,823.2	562,970.6	614,645.6	569,140.4	536,726.3	540,056.3
In Singapore	92,715.5	113,361.8	133,171.6	162,830.7	169,487.9	149,080.8	159,712.2
Inter-Asian Currency Units	53,762.1	53,383.9	53,768.7	56,274.7	51,138.2	60,510.7	50,997.9
Outside Singapore	355,413.7	362,077.5	376,030.3	395,540.2	348,514.3	327,134.9	329,346.2
Debt Securities & Equities	130,155.8	97,100.6	113,131.6	90,751.0	98,626.6	118,749.3	117,322.2
Other Assets	71,170.5	80,795.1	76,248.3	74,381.2	89,060.0	92,378.2	88,029.3
Liabilities							
Total	971,299.4	1,019,532.9	1,093,264.6	1,180,374.8	1,190,475.4	1,155,822.6	1,134,099.6
Deposits of Non-bank Customers	273,980.3	296,376.6	327,863.5	365,141.3	393,116.8	395,070.2	393,165.2
Inter-bank Funds	584,218.2	599,568.3	628,109.0	648,170.8	615,036.2	574,723.1	558,849.0
In Singapore	79,206.4	77,629.4	75,466.9	60,529.3	62,608.9	63,393.3	63,112.6
Inter-Asian Currency Units	53,812.3	53,603.0	53,934.8	56,261.1	51,721.6	60,595.7	51,807.1
Outside Singapore	451,199.5	468,335.9	498,707.3	531,380.3	500,705.7	450,734.1	443,929.3
Other Liabilities	113,100.9	123,588.0	137,292.1	167,062.7	182,322.4	186,029.3	182,085.4

Source : Monetary Authority of Singapore

Notes : Asian Currency Unit is a separate accounting unit of banks and other financial institutions given approval to transact in the Asian Dollar Market.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9699>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9701>

19.12 ASSETS AND LIABILITIES OF FINANCE COMPANIES

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Assets							
Total	11,523.6	12,165.3	14,967.5	14,985.7	15,975.7	17,409.8	16,407.7
Cash & Balances with Monetary Authority of Singapore	225.6	263.3	328.6	339.2	368.8	397.4	370.2
Deposits with Banks & Other Institutions	1,885.0	1,176.2	1,810.1	1,369.2	1,495.4	1,895.9	1,735.9
Securities & Equities	1,259.3	1,161.9	1,414.7	1,522.5	1,613.0	1,735.6	1,641.1
Loans & Advances ¹	8,058.2	9,460.2	11,311.5	11,653.9	12,385.4	13,251.7	12,546.5
Hire Purchase	2,069.9	2,037.7	2,089.9	1,891.5	1,779.4	1,978.1	2,113.4
On Motor Vehicles	1,930.4	1,899.6	1,877.1	1,637.0	1,464.8	1,619.4	1,785.3
On Consumer Durables	0.1	0.0	10.6	0.2	0.1	0.3	0.2
On Other Goods	139.4	138.0	202.3	254.3	314.6	358.3	327.9
Housing Loans	1,485.5	1,517.1	1,402.8	1,394.0	1,448.4	1,475.8	1,397.4
Other Loans & Advances	4,502.8	5,905.4	7,818.8	8,368.4	9,157.6	9,797.8	9,035.7
Other Assets	95.5	103.7	102.5	101.0	113.1	129.2	113.9
Liabilities							
Total	11,523.6	12,165.3	14,967.5	14,985.7	15,975.7	17,409.8	16,407.7
Capital & Reserves	1,926.2	1,999.2	2,104.8	2,109.6	2,214.2	2,242.4	2,263.2
Deposits	8,891.4	9,481.0	12,347.6	12,396.1	13,295.7	14,667.1	13,603.8
Savings Deposits	266.6	252.7	220.9	240.3	217.3	197.9	209.8
Fixed Deposits	8,614.6	9,218.7	11,909.9	11,887.0	12,897.2	14,313.5	13,247.7
Other Deposits	10.2	9.7	216.8	268.7	181.2	155.8	146.3
Other Creditors	79.6	45.6	22.6	17.0	6.9	4.3	5.4
Other Liabilities	626.4	639.5	492.5	463.0	458.9	496.0	535.3

Source : Monetary Authority of Singapore

¹ Includes lease financing and bills discounted/purchased and block discounting agreement among finance companies.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5400><http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5406>

19.13 FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY

(End of Period)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Total ¹	4,394.4	5,786.0	7,685.2	8,230.5	9,002.6	9,588.0	8,763.3
Agriculture, Mining & Quarrying	0.0	0.0	0.0	0.9	0.9	0.8	2.6
Manufacturing	39.7	64.3	65.6	71.2	109.8	126.1	136.1
Building & Construction	2,204.6	3,228.8	4,190.6	4,736.8	4,846.5	4,791.6	3,987.1
General Commerce	187.4	166.2	188.9	194.5	237.9	300.2	300.3
Transport, Storage & Communications	89.4	73.3	164.0	152.2	201.6	247.9	299.7
Financial Institutions	182.8	349.7	694.1	898.3	1,157.9	1,409.0	1,516.9
Professional & Private Individuals	834.3	876.9	878.2	841.4	895.0	876.3	697.7
Others	856.1	1,026.7	1,503.9	1,335.3	1,553.1	1,836.1	1,823.0

Source : Monetary Authority of Singapore

1 Excludes lease financing, factoring, block discounting and warehouse inventory financing and accounts receivable financing.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=5296>

19.14

ASSETS AND LIABILITIES OF DOMESTIC AND ASIAN CURRENCY
UNIT OPERATIONS OF MERCHANT BANKS

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Assets							
Total	89,760.3	87,851.1	92,411.0	84,944.9	96,256.8	106,583.3	95,888.3
Amounts Due from Banks	22,604.2	22,815.1	21,646.5	21,226.5	19,532.4	25,050.5	26,014.2
In Singapore	2,254.7	2,567.3	3,170.6	3,433.8	3,556.6	2,803.5	2,891.1
Asian Currency Units	5,097.9	4,615.0	5,300.3	5,212.7	7,432.7	9,345.2	8,000.3
Outside Singapore	15,251.7	15,632.8	13,175.6	12,580.0	8,543.2	12,901.8	15,122.8
Loans & Advances to Non-bank Customers	25,976.8	29,095.7	26,832.3	25,533.8	26,640.2	23,322.0	19,350.7
Securities & Equities	36,100.0	28,618.0	38,303.3	32,642.1	43,415.1	50,320.9	43,193.7
Other Assets	5,079.2	7,322.2	5,628.9	5,542.5	6,669.1	7,889.8	7,329.7
Liabilities							
Total	89,760.3	87,851.1	92,411.0	84,944.9	96,256.8	106,583.3	95,888.3
Capital & Reserves	9,510.2	9,983.6	12,168.2	12,381.3	12,560.9	13,024.6	13,566.2
Amounts Due to Banks	51,264.3	46,928.5	55,045.1	51,658.0	63,112.6	70,528.6	61,856.6
In Singapore	3,101.8	585.8	615.2	408.6	406.4	514.3	5,814.2
Asian Currency Units	22,920.9	23,772.5	22,413.9	20,349.2	21,296.9	23,184.9	17,967.6
Outside Singapore	25,241.5	22,570.2	32,016.0	30,900.2	41,409.4	46,829.4	38,074.8
Borrowings from Non-bank Customers	21,249.1	22,623.4	17,741.8	13,600.6	12,564.7	13,291.2	12,370.2
Other Liabilities	7,736.8	8,315.7	7,456.0	7,305.0	8,018.6	9,738.8	8,095.3

Source : Monetary Authority of Singapore

Notes : Provision of corporate financial advisory services, underwriting and operations in the gold market are not reflected in the data.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5395>

19.15

DOMESTIC INTEREST RATES

(End of Period)

	Per Cent Per Annum						
	2010	2011	2012	2013	2014	2015	2016
Singapore Overnight Rate Average ¹	0.1181	0.1011	0.0380	0.0698	0.2484	0.7159	0.4595
Banks ²							
Prime Lending Rate	5.38	5.38	5.38	5.38	5.35	5.35	5.35
Fixed Deposits							
3 Months	0.19	0.14	0.14	0.14	0.14	0.18	0.19
6 Months	0.28	0.19	0.20	0.20	0.21	0.24	0.25
12 Months	0.45	0.32	0.32	0.32	0.31	0.34	0.35
Savings Deposits	0.13	0.11	0.11	0.10	0.11	0.14	0.14
Finance Companies ³							
Fixed Deposits							
3 Months	0.19	0.15	0.20	0.18	0.18	0.30	0.30
6 Months	0.26	0.22	0.28	0.25	0.25	0.38	0.38
12 Months	0.53	0.46	0.53	0.53	0.53	0.58	0.50
Savings Deposits	0.25	0.17	0.17	0.17	0.17	0.17	0.17

Source : Monetary Authority of Singapore

1 Refers to volume-weighted average of unsecured Singapore dollar overnight cash transactions brokered by money brokers in Singapore between 9.00am and 6.15pm of the reference/trading day.

2 Refers to the average quoted by 10 leading banks.

3 Refers to the average rates compiled from that quoted by all leading finance companies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5392>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5397>

19.16

CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Contributions (net of refunds) by members ¹	21,992.7	24,628.4	26,048.4	28,530.0	29,722.1	32,049.1	35,851.7
Interest credited to members	6,709.8	7,472.7	8,290.6	9,144.2	9,971.9	10,834.5	12,048.2
Withdrawals (net of refunds) by members ²	9,618.5	10,443.6	11,726.8	14,863.2	17,298.7	18,725.1	18,527.0
Amount due to members	185,888.0	207,545.5	230,157.7	252,968.6	275,363.9	299,522.4	328,895.3

Source : Central Provident Fund Board

1 Includes dividends from Special Discounted Shares and Government Grants.

2 Includes transfers to / from Reserve Account / general moneys of the Fund.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1835>

19.17 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

	2010	2011	2012	2013	2014	2015	2016
	Million Dollars						
Withdrawals (net of refunds) by members ¹	9,618.5	10,443.6	11,726.8	14,863.2	17,298.7	18,725.1	18,527.0
Housing Schemes							
Public Housing	4,006.8	5,464.3	5,703.1	5,841.3	6,892.3	7,069.9	6,971.9
Residential Properties	845.9	1,346.6	2,290.6	2,500.1	2,706.0	3,310.6	3,905.5
Reached 55 Years of Age and Above ²	1,771.1	1,940.1	2,048.2	2,819.6	2,945.8	3,720.7	3,343.7
Leaving Singapore & Malaysia Permanently ³	454.6	505.5	541.5	579.8	665.6	712.8	753.6
Death	378.3	434.6	487.9	530.4	606.8	672.8	756.2
Medisave Scheme	678.2	721.7	767.4	798.5	852.9	899.9	931.3
Private Medical Insurance Scheme	286.1	335.5	384.6	484.1	542.9	581.0	674.4
Others ⁴	1,197.5	-304.7	-496.5	1,309.4	2,086.4	1,757.4	1,190.4
	Number						
Housing Schemes ⁵							
Public Housing	739,922	749,989	752,740	742,813	733,637	731,292	739,964
Residential Properties	148,205	153,893	164,704	173,105	177,360	188,640	201,763
Reached 55 Years of Age and Above ²	207,868	227,540	245,645	261,573	296,333	389,598	343,136
Leaving Singapore & Malaysia Permanently ³	13,454	14,619	15,038	13,868	14,081	13,591	13,046
Death	18,544	19,869	18,472	18,796	19,395	20,510	20,465

Source : Central Provident Fund Board

1 Includes transfers to / from Reserve Account / general moneys of the Fund.

2 Includes first and subsequent withdrawals.

3 Includes Malaysians leaving Singapore permanently.

4 Includes withdrawals under Home Protection Insurance, Retirement Sum (previously known as Minimum Sum), Dependants' Protection Insurance, Education, MediShield Life (previously known as Medishield), ElderShield, Lifelong Income, Non-residential Properties, Investment and Special Discounted Shares schemes, transfers to/from Reserve Account/general moneys of the Fund and on grounds of permanent incapacity and unsound mind.

5 Refers to the number of members who made withdrawals for the year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2804>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1836>

19.18

TURNOVER ON THE SINGAPORE EXCHANGE (EQUITIES)

	Unit	2010	2011	2012	2013	2014	2015	2016
SGX Mainboard								
Volume	Million	342,864.0	254,663.2	357,633.8	541,726.2	307,505.1	262,911.6	223,565.5
Basic Materials	Million	20,403.7	13,129.9	14,168.3	16,097.6	14,343.8	12,020.1	5,638.2
Consumer Goods	Million	73,556.3	58,493.9	94,724.5	115,598.2	45,164.9	38,991.7	29,023.9
Consumer Services	Million	50,640.8	32,932.4	34,476.8	42,775.7	27,282.2	20,498.5	15,813.4
Financials	Million	47,610.5	37,527.6	38,856.2	77,412.1	40,738.7	47,372.6	46,454.3
Health Care	Million	8,626.4	3,478.1	3,858.5	2,995.9	2,364.2	2,959.5	1,434.3
Industrials	Million	90,137.0	64,617.9	120,133.5	184,896.5	102,478.6	82,566.7	69,684.6
Oil & Gas	Million	13,308.0	18,302.1	13,160.3	23,613.4	19,184.5	17,882.5	34,251.7
Technology	Million	25,390.8	12,673.7	27,685.7	49,125.2	23,865.9	26,032.3	11,894.1
Telecommunications	Million	6,044.9	6,792.4	7,256.1	6,326.9	5,128.2	6,957.3	7,019.7
Utilities	Million	7,145.5	6,715.1	3,313.8	22,884.9	26,954.1	7,630.4	2,351.3
Value	S\$m	376,751.6	341,256.1	306,418.9	322,357.3	244,061.6	263,867.4	252,981.2
Basic Materials	S\$m	11,582.6	9,153.2	8,049.1	5,140.7	3,381.3	1,657.4	1,118.4
Consumer Goods	S\$m	49,241.6	44,473.8	48,174.1	36,501.3	21,822.8	15,562.5	18,345.3
Consumer Services	S\$m	72,301.5	61,357.6	35,316.2	35,930.6	25,617.3	27,861.8	25,684.4
Financials	S\$m	115,972.5	100,174.4	84,491.6	115,431.2	96,621.3	119,251.3	117,060.6
Health Care	S\$m	6,427.9	2,858.9	3,743.1	2,682.6	2,212.1	2,940.7	1,596.8
Industrials	S\$m	66,978.0	60,046.7	65,390.0	60,024.9	45,022.6	45,915.0	41,170.4
Oil & Gas	S\$m	28,735.9	37,886.7	31,398.3	30,288.7	22,684.9	19,191.2	19,303.0
Technology	S\$m	6,120.2	3,233.6	7,815.0	12,013.2	3,873.5	3,198.9	1,703.0
Telecommunications	S\$m	16,531.1	19,491.4	20,843.5	21,729.2	17,411.4	25,711.7	25,670.1
Utilities	S\$m	2,860.3	2,580.1	1,198.0	2,614.9	5,414.6	2,577.0	1,329.2

(continued on the next page)

Source : Singapore Exchange Limited

Notes : All Mainboard stocks are classified based on Industry Classification Benchmark.
Includes Ordinary Shares, Stapled Securities and Unit Trusts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5217>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5221>

19.18

TURNOVER ON THE SINGAPORE EXCHANGE (EQUITIES) (continued)

	Unit	2010	2011	2012	2013	2014	2015	2016
SGX Catalist								
Volume	Million	37,683.2	27,039.6	86,015.5	268,959.6	127,480.1	83,075.8	98,223.5
Basic Materials	Million	19.4	605.7	650.3	32,834.3	19,418.7	8,698.6	24,194.1
Consumer Goods	Million	2,652.8	1,317.7	7,424.9	14,180.0	5,439.4	3,119.3	4,307.3
Consumer Services	Million	1,813.3	1,447.2	9,935.4	32,541.6	6,926.9	5,933.4	14,550.6
Financials	Million	132.7	1,084.6	1,805.8	1,251.9	8,984.7	3,222.6	721.6
Health Care	Million	4,825.5	874.9	3,281.3	13,537.4	11,046.3	17,120.3	18,073.3
Industrials	Million	19,564.8	14,926.2	26,854.7	93,561.0	50,807.0	28,839.4	23,244.8
Oil & Gas	Million	1,702.6	1,514.4	5,585.0	457.2	3,037.9	4,787.2	8,592.6
Technology	Million	5,698.4	4,682.8	11,501.5	44,318.9	9,144.8	8,200.7	2,724.0
Telecommunications	Million	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utilities	Million	1,273.8	586.2	18,976.6	36,277.3	12,674.5	3,154.4	1,815.2
Value	S\$m	4,953.7	3,380.9	7,743.8	18,322.8	13,030.4	8,232.8	7,086.5
Basic Materials	S\$m	2.2	290.3	286.9	2,745.3	1,625.3	743.7	1,633.0
Consumer Goods	S\$m	304.9	132.4	361.4	748.2	284.9	71.4	110.2
Consumer Services	S\$m	613.8	256.0	257.5	1,260.2	789.2	750.3	2,215.3
Financials	S\$m	20.8	166.9	514.5	409.4	807.3	232.6	120.1
Health Care	S\$m	804.7	82.7	239.5	1,263.6	2,773.6	3,429.3	978.6
Industrials	S\$m	2,104.2	1,700.3	2,783.4	8,280.4	4,385.3	1,918.2	1,207.6
Oil & Gas	S\$m	692.5	578.1	2,553.7	222.5	1,286.3	543.2	626.7
Technology	S\$m	316.4	142.0	263.3	1,587.8	313.4	474.1	178.3
Telecommunications	S\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utilities	S\$m	94.1	32.0	483.7	1,805.5	765.3	70.1	16.7

Source : Singapore Exchange Limited

Notes : All Catalist stocks are classified based on Industry Classification Benchmark.
Includes Ordinary Shares, Stapled Securities and Unit Trusts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5232>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5229>

19.19 PLEDGES AT PAWNSHOPS

	Unit	2010	2011	2012	2013	2014	2015	2016
Pledges								
Received	'000	2,977.1	3,498.1	4,003.9	4,206.0	4,236.2	4,374.4	4,452.5
Redeemed	'000	2,788.8	3,342.0	3,793.2	4,017.4	4,081.0	4,198.6	4,251.3
Amount of Loans								
Given Out	\$m	2,745.4	4,946.8	7,067.6	5,470.6	5,276.2	5,381.1	5,525.5
Redeemed including Interest	\$m	2,604.3	4,755.1	7,123.5	5,577.7	5,310.5	5,420.2	5,503.6

Source : Registry of Pawnbrokers

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2005>

19.20

LIFE INSURANCE POLICIES

(End of Period)

	2009	2010	2011	2012	2013	2014	2015
	Thousand						
Policies in Force	11,386.2	11,763.7	12,191.8	12,591.7	12,900.4	13,140.1	13,466.8
New Policies	1,058.5	1,065.0	1,128.2	1,121.2	1,097.4	1,046.8	1,052.7
Policies Matured or Discontinued	99.8	687.5	700.1	721.3	788.7	807.0	724.9
	Million Dollars						
Policies in Force							
Amount Insured	586,346.2	629,474.7	713,645.4	783,874.9	839,804.0	903,071.2	990,566.8
Annual Premiums	8,407.5	9,213.5	10,324.4	11,407.1	13,015.5	14,352.5	15,686.2
New Policies							
Amount Insured	82,707.7	91,616.1	116,309.6	134,122.9	123,355.7	132,495.8	168,194.2
Single Premium	5,177.1	5,610.4	6,537.3	5,861.1	7,038.1	8,672.9	9,463.5
Annual Premiums	1,151.8	1,451.2	1,784.5	2,133.9	2,687.9	2,451.5	2,632.3
Policies Matured or Discontinued							
Amount Insured	31,305.9	48,487.6	55,770.1	63,904.7	67,530.1	69,228.6	80,637.8
Annual Premiums	480.1	645.2	695.3	1,051.4	1,088.9	1,114.5	1,267.1

Source : Monetary Authority of Singapore

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5269>

19.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Million Dollars

	2009	2010	2011	2012	2013	2014	2015
Revenue							
Total	29,422.6	23,471.0	15,713.6	28,010.5	21,947.3	32,487.7	23,995.4
Net Premiums Written	13,357.6	14,300.4	16,395.8	16,841.2	19,189.7	22,225.4	22,228.7
Net Investment Income	15,872.5	6,693.6	-901.4	10,948.8	2,485.7	9,998.8	1,457.0
Miscellaneous	192.5	2,477.0	219.2	220.5	271.9	263.5	309.7
Expenditure							
Total	29,422.6	23,471.0	15,713.6	28,010.5	21,947.3	32,487.7	23,995.4
Claims on Death, Disability & Maturity	6,325.0	6,377.1	7,329.9	8,487.7	9,657.7	10,193.7	8,870.5
Surrenders	2,949.6	3,253.3	3,259.3	3,285.0	3,707.3	4,067.4	4,417.8
Cash Bonuses & Annuities	433.3	452.0	472.0	480.7	514.5	565.4	635.1
Management Expenses	596.2	628.9	729.6	768.4	880.2	934.1	1,039.0
Distribution Expenses	1,135.9	1,235.2	1,582.9	1,820.2	2,090.7	2,334.2	2,416.6
Miscellaneous	17,982.6	11,524.5	2,339.9	13,168.5	5,096.9	14,392.9	6,616.4

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1829>

19.22 ASSETS OF LIFE INSURANCE FUNDS

(End of Period)

Million Dollars

	2009	2010	2011	2012	2013	2014	2015
Total	108,404.4	117,673.8	118,606.3	132,476.3	136,178.8	151,329.3	159,536.4
Land & Buildings	2,658.6	2,889.4	3,055.8	3,109.4	3,187.8	3,243.4	3,266.4
Loans							
On Mortgages	1,631.7	1,387.6	974.1	659.4	680.5	640.9	610.1
On Policies	2,383.9	2,347.8	2,340.9	2,326.9	2,333.7	2,377.3	2,411.2
Others	177.2	313.5	579.9	345.5	312.4	318.1	645.2
Investments							
Debt Securities	56,067.7	60,460.5	64,850.1	75,322.0	76,196.0	87,457.7	94,458.3
Equity Securities	38,263.2	41,900.8	36,235.1	41,288.5	46,102.7	50,936.3	51,599.1
Cash & Deposits	4,765.7	5,244.8	8,085.7	6,675.5	5,578.9	5,070.5	5,439.9
Miscellaneous (including Outstanding Premiums) ¹	2,456.4	3,129.4	2,484.7	2,749.1	1,786.8	1,285.1	1,106.2

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

¹ Includes furniture.Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5320>

19.23 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS

Million Dollars

	2009	2010	2011	2012	2013	2014	2015
Net Premiums ¹							
Total	2,235.8	2,518.1	2,645.3	2,784.9	2,866.9	2,936.1	2,649.5
Marine, Aviation or Transit	209.3	231.1	229.7	225.0	215.0	229.5	233.2
Others							
Fire	195.1	199.4	211.7	218.7	235.1	244.9	220.9
Motor Vehicles	1,015.3	1,112.8	1,148.9	1,182.5	1,169.7	1,123.1	943.0
Miscellaneous	816.1	974.8	1,055.0	1,158.7	1,247.1	1,338.6	1,252.4
Net Claims Settled ²							
Total	1,175.9	1,157.5	1,176.1	1,353.2	1,366.3	1,355.7	1,481.3
Marine, Aviation or Transit	88.3	78.8	94.8	101.6	106.9	110.2	129.4
Others							
Fire	48.7	50.2	56.5	102.5	69.8	41.6	79.0
Motor Vehicles	654.3	632.6	623.8	693.4	689.6	660.7	651.4
Miscellaneous	384.6	395.9	401.0	455.7	500.0	543.2	621.5

Source : Monetary Authority of Singapore

1 Refers to gross premiums less premiums paid for re-insurance in and out of Singapore.

2 Refers to gross claims paid less recoveries from re-insurance placed in and out of Singapore.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1830>

19.24 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Million Dollars

	2009	2010	2011	2012	2013	2014	2015
Revenue							
Total	2,572.1	2,762.2	2,709.4	3,120.6	3,028.6	3,226.3	2,786.8
Net Premiums Written	2,235.8	2,518.1	2,645.3	2,784.9	2,866.9	2,936.1	2,649.5
Net Investment Income	311.5	219.7	44.1	302.9	135.1	246.2	92.0
Miscellaneous	24.8	24.4	20.0	32.8	26.6	44.0	45.3
Expenditure							
Total	2,572.1	2,762.2	2,709.4	3,120.6	3,028.6	3,226.3	2,786.8
Net Claims Settled	1,175.9	1,157.5	1,176.1	1,353.2	1,366.3	1,355.7	1,481.3
Management Expenses	431.4	482.4	532.5	542.8	601.5	658.2	735.8
Distribution Expenses	322.9	350.8	361.9	371.2	396.9	416.9	283.5
Increase (Decrease) in Policy Liabilities	44.7	251.2	342.3	172.1	131.9	65.4	-172.6
Miscellaneous	597.2	520.3	296.6	681.3	532.0	730.1	458.8

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1833>

19.25 ASSETS OF GENERAL INSURANCE FUNDS

(End of Period)

	Million Dollars						
	2009	2010	2011	2012	2013	2014	2015
Total	7,761.4	8,363.9	8,742.2	9,446.5	9,989.2	10,489.3	11,070.6
Land & Buildings	183.0	165.3	199.9	200.2	260.9	293.0	286.6
Loans	43.1	49.9	34.5	39.8	48.6	44.8	50.8
Investments							
Debt Securities	3,880.9	4,274.2	4,451.4	4,703.5	4,967.9	5,495.9	6,155.4
Equity Securities	517.3	906.6	800.1	960.1	1,016.0	1,027.9	941.4
Cash & Deposits	2,460.3	2,212.2	2,399.6	2,578.0	2,721.0	2,577.2	2,273.7
Miscellaneous	676.8	755.7	856.7	964.9	974.8	1,050.5	1,362.7

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5314>

19.26 CREDIT AND CHARGE CARDS

	Unit	2010	2011	2012	2013	2014	2015	2016
Main Cards ¹	No.	6,141,870	6,883,993	7,843,765	7,984,608	8,156,466	8,044,900	7,818,154
Supplementary Cards ¹	No.	1,378,817	1,450,282	1,502,591	1,573,936	1,554,840	1,490,254	1,438,589
Total Card Billings	\$m	30941.9	35230.1	38419.2	41602.2	44582.4	47103.9	49904.1
Rollover Balance ¹	\$m	4014.7	4537.9	4991.8	5362.9	5500.6	5290.3	5301.3
Bad Debts Written Off	\$m	181.9	186.7	226.6	247.8	273.9	319.1	319.3

Source : Monetary Authority of Singapore

1 As at end of period.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1809>

20



Public Finance



The presentation of the annual Government Budget is based on the financial year (FY) of the Government, which runs from 1 April of the year to 31 March of the following year.

Under Singapore's Constitution, a distinction is made between the reserves accumulated by the Government during its current term of office, and past reserves, which refer to the reserves not accumulated in the current term of Government. The Government is expected to balance the budget within its term and can only draw on past reserves with the approval of the President. This Constitutional framework protects past reserves by enforcing fiscal prudence, while allowing the Government to draw on them in times of need.

The Overall Budget Balance that is published by the Ministry of Finance and presented to the Parliament is based on revenues that the Government of the day can spend under the Constitution. Not all Government revenues and receipts collected can be spent by the Government. Receipts such as land sales accrue to past reserves.

Singapore separately publishes a set of government finance data that follows the International Monetary Fund's presentation format for government finance statistics. This set of data includes all receipts, including items not available for spending by the Government of the day under Singapore's Constitution.

Government Revenue



The main revenue-collecting agencies are the Inland Revenue Authority of Singapore (IRAS) and the Singapore Customs. IRAS is responsible for the collection of income tax, property tax, Goods and Services Tax (GST), stamp duty, betting duty, casino tax and private lotteries duty. The Singapore Customs collects import GST as well as customs and excise duties on liquors, tobacco, petroleum products

and motor vehicles.

A person who has stayed or exercised employment in Singapore for a period of 183 days or more in the year preceding the year of assessment would be considered a tax resident of Singapore. Tax residents pay personal income tax at progressive rates on the chargeable income of the preceding year after appropriate deductions (e.g. allowable expenses, donations and reliefs) have been made. Non-tax resident individuals are not entitled to personal reliefs or rebates and are normally taxed at a flat rate.

A company is taxed at a flat rate on its chargeable income earned in the preceding financial year. Tax reliefs in the form of tax exemption schemes and corporate income tax rebates are available for companies to help reduce their taxes. More related information is available at the IRAS website.

GST is a consumption tax levied on the import of goods, and all supplies of goods and services in Singapore, except for the sales and leases of residential properties, importation and local supply of investment precious metals and the provision of financial services. The GST rate is 7 per cent. International services and export of goods are zero-rated (i.e. GST is charged at 0 per cent).

Government Expenditure



Total Expenditure consists of Operating Expenditure and Development Expenditure.

Operating Expenditure includes Running Costs and Transfers. Running Costs represent the day-to-day operating expenditure of the Government Ministries and Departments on the maintenance of the operations and other regular activities of the Government. The main components of Running Costs are expenditure on manpower, other operating expenditure and operating grants to Statutory Boards and other institutions. Transfers are payments made by the



Government to members of the public and outside organisations. These include public assistance, subsidies, subventions and Government contributions to local and external organisations. Operating Expenditure is met from the Consolidated Fund ¹.

Development Expenditure refers to expenses that represent a longer-term investment or result in the formation of a capitalisable asset of the Government. Examples of spending areas are the acquisition of heavy equipment, as well as capitalisable assets, for example, buildings and roads. Development Expenditure is met from the Development Fund ².

The funding sources of the Development Fund are:

- i) monies appropriated from time to time from the Consolidated Fund;
- ii) proceeds of any loan raised for the purposes of the fund and appropriated to such purposes by the law raising the loan;
- iii) loans or grants from time to time made to Singapore for the purposes of or properly allocable to the fund;
- iv) revenues of Singapore allocated to the fund;
- v) interest and other income from investments of the fund and profits arising from the realisation of any such investments; and
- vi) repayments of any loans made from the fund, or payments of interest on such loans.

The Development Fund may be used for:

- i) construction, improvement, acquisition

or replacement of capital assets (for example, buildings, vehicles, aircraft, machinery, rolling-stock, roads) required in respect of or in connection with the economic development or general welfare of Singapore;

- ii) acquisition of land and of any right or interest in or over land and in respect of the use of any invention; and
- iii) grants and loans to, or investments in any public authority or corporation for any of the purposes mentioned in (i) and (ii) above.

Government Debt



The Government issues the following debt securities: Treasury Bills, Singapore Government Securities (SGS) bonds, Special Singapore Government Securities (SSGS) and Singapore Savings Bonds (SSB), all for reasons unrelated to the Government's fiscal needs:

- i) SGS bonds and Treasury Bills are tradable debt instruments issued to develop Singapore's debt markets;
- ii) SSGS are non-tradable bonds issued primarily to meet the investment needs of the Central Provident Fund (CPF) Board, Singapore's national pension fund; and
- iii) SSB are introduced to provide individual investors with a long-term savings option that offers safe returns.

The Government does not borrow to fund its Budget. Under the Protection of Reserves Framework in Singapore's Constitution, borrowing proceeds are not revenues that the Government is allowed to spend. All borrowing proceeds from the issuance of securities are therefore invested.

The Singapore Government has a strong balance sheet with assets in excess of its liabilities.

¹ The consolidated Fund was constituted by Article 145 of the Constitution of the Republic of Singapore (1999 Revised Edition).

² The Development Fund was established by the Development Fund Act (Cap. 80, 2013 Revised Edition).

20.1 OVERALL FISCAL POSITION

Million Dollars

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Operating Revenue ¹	39,546.5	46,060.2	51,077.2	55,814.5	57,020.3	60,838.2	64,823.2
Corporate Income Tax	9,550.9	10,686.6	12,096.3	12,821.3	12,679.6	13,371.5	13,815.1
Personal Income Tax	6,113.5	6,469.6	6,871.4	7,713.7	7,688.1	8,926.7	9,234.9
Withholding Tax	1,137.2	957.4	1,258.0	1,337.3	1,152.4	1,126.0	1,402.0
Statutory Boards' Contributions	409.7	573.2	353.2	539.1	529.8	515.9	438.3
Assets Taxes	1,987.3	2,803.2	3,901.9	3,768.3	4,181.9	4,340.6	4,455.0
Customs and Excise Taxes	2,125.3	2,048.5	2,132.8	2,141.7	2,189.4	2,539.7	2,833.0
Goods and Services Tax	6,913.7	8,198.0	8,687.0	9,038.0	9,512.7	10,215.0	10,345.1
Motor Vehicle Taxes	1,855.6	1,850.9	1,919.6	1,802.9	1,654.6	1,602.9	1,759.7
Betting Taxes	1,727.0	2,278.7	2,373.4	2,304.8	2,378.8	2,591.0	2,719.0
Stamp Duty	2,386.2	3,276.5	3,175.1	4,309.5	3,929.9	2,783.5	2,769.0
Other Taxes ²	2,410.0	2,705.6	3,307.3	4,341.8	5,248.4	6,097.1	5,876.2
Vehicle Quota Premiums	623.3	1,602.1	2,112.0	2,572.1	2,721.7	3,394.0	5,424.8
Other Fees and Charges ³	2,141.8	2,384.3	2,587.2	2,707.7	2,903.0	3,010.5	3,248.9
Others ⁴	164.8	225.8	302.0	416.1	250.0	323.8	502.2
Total Expenditure ⁵	41,890.9	45,337.8	46,563.4	49,003.9	51,727.8	56,648.3	67,447.0
Social Development	18,145.6	20,102.1	21,659.5	21,877.4	24,179.4	27,206.8	31,292.6
Security and External Relations	14,383.5	14,637.5	14,805.7	15,397.4	16,093.6	17,196.1	18,451.6
Economic Development	8,041.6	9,156.5	8,570.2	9,824.8	9,573.8	10,146.8	15,540.7
Government Administration	1,320.2	1,441.7	1,528.0	1,904.4	1,881.0	2,098.6	2,162.2
Primary Surplus/(Deficit)	-2,344.3	722.4	4,513.7	6,810.6	5,292.5	4,189.9	-2,623.9
Special Transfers ⁶	5,481.4	7,094.6	8,426.7	8,859.5	8,583.6	12,356.2	10,369.2
Special Transfers Excluding Top-ups to Endowment and Trust Funds	4,071.4	1,504.6	2,909.2	1,457.5	2,989.6	3,856.2	4,369.2
Basic Surplus/(Deficit) ⁷	-6,415.7	-782.3	1,604.5	5,353.0	2,302.9	333.7	-6,993.0
Top-ups to Endowment and Trust Funds	1,410.0	5,590.0	5,517.5	7,402.0	5,594.0	8,500.0	6,000.0
Net Investment Income/Net Investment Returns Contribution ⁸	7,006.5	7,352.4	7,915.6	7,870.1	8,289.4	8,737.8	8,943.3
Overall Budget Surplus/(Deficit)	-819.2	980.1	4,002.7	5,821.1	4,998.2	571.5	-4,049.7

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year.

Figures may not add up due to rounding.

¹ Excludes the repayment of loans and advances, interest income, investment income and capital receipts.² Includes the foreign worker levy, annual tonnage tax, water conservation tax and development charge.³ Includes revenue from licenses, permits, service fees, sales of goods, rental of premises, fines and forfeitures and reimbursements.⁴ Excludes repayment of loans and advances, interest income, investment income and capital receipts.⁵ Comprises Operating Expenditure and Development Expenditure. Development Expenditure excludes loans to statutory boards, industrial and commercial enterprises and land-related expenditure items.⁶ Refers to discretionary transfers made by the Government and these include one-off direct transfers to businesses and households, as well as top-ups to endowment and trust funds created by the Government for specific expenditure objectives.⁷ Surplus/Deficit before Top-ups to Endowment and Trust Funds and Net Investment Income/Returns Contribution.⁸ Net Investment Returns Contribution (NIRC) is the sum of: (1) up to 50% of the expected long-term real return on the relevant assets specified in the Constitution; and (2) up to 50% of the net investment income on the remaining assets.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1838>

20.2 GOVERNMENT OPERATING REVENUE

Million Dollars

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Total ¹	39,546.5	46,060.2	51,077.2	55,814.5	57,020.3	60,838.2	64,823.2
Tax Revenue	36,616.6	41,848.0	46,076.1	50,118.5	51,145.6	54,109.8	55,647.3
Income Tax	17,211.3	18,686.8	20,578.9	22,411.4	22,049.9	23,940.0	24,890.4
Corporate Income Tax	9,550.9	10,686.6	12,096.3	12,821.3	12,679.6	13,371.5	13,815.1
Personal Income Tax	6,113.5	6,469.6	6,871.4	7,713.7	7,688.1	8,926.7	9,234.9
Withholding Tax ²	1,137.2	957.4	1,258.0	1,337.3	1,152.4	1,125.9	1,402.0
Contributions by Statutory Boards	409.7	573.2	353.2	539.1	529.8	515.9	438.3
Assets Taxes	1,987.3	2,803.2	3,901.9	3,768.3	4,181.9	4,340.6	4,455.0
Property Tax	1,979.1	2,798.0	3,898.9	3,760.1	4,178.8	4,340.1	4,455.6
Estate Duty ³	8.2	5.2	2.9	8.2	3.1	0.5	-0.6
Customs and Excise Duties	2,125.3	2,048.5	2,132.8	2,141.7	2,189.4	2,539.7	2,833.1
Liquors	432.5	469.5	495.9	516.6	518.3	634.0	637.6
Tobacco	931.6	889.1	967.1	969.1	1,042.8	1,227.7	1,205.2
Petroleum Products	413.3	418.8	416.4	414.8	414.2	419.4	583.8
Motor Vehicles	343.6	266.5	248.0	233.3	206.2	250.5	399.0
Compressed Natural Gas Unit Duty	na	na	0.7	3.2	2.8	2.6	2.2
Other Excise Duty	4.2	4.5	4.7	4.8	5.1	5.5	5.3
Goods and Services Tax	6,913.7	8,198.0	8,687.0	9,038.0	9,512.7	10,215.0	10,345.1
Taxes on Motor Vehicles ⁴	1,855.6	1,850.9	1,919.6	1,802.9	1,654.6	1,602.9	1,759.7
Betting Taxes ⁵	1,727.0	2,278.7	2,373.4	2,304.8	2,378.8	2,591.0	2,719.0
Stamp Duty	2,386.2	3,276.5	3,175.1	4,309.5	3,929.9	2,783.6	2,768.9
Other Taxes ⁶	2,410.0	2,705.6	3,307.3	4,341.8	5,248.4	6,097.1	5,876.2

(continued on the next page)

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year. Figures may not add up due to rounding.

1 Refers to receipts credited to the Consolidated Revenue Account and Development Fund Account, but excludes the repayment of loans and advances, interest income, investment income and capital receipts.

2 With effect from April 2010, Withholding Tax, which was included in the figures reported under Personal Income Tax, has been reported separately. This item refers to collections under Section 45 of the Income Tax Act, which is a withholding tax on locally-sourced income earned by non-residents.

3 Refers to a tax on the total market value of a person's assets (cash and non-cash) at the date of his or her death. It has been removed for deaths occurring on and after 15 February 2008.

4 Comprises additional registration fees, road tax, special tax on heavy-oil engines, passenger vehicle seating fees and non-motor vehicle licences, but exclude excise duties on motor vehicles which are classified under Customs and Excise Duties.

5 Includes casino tax collected under Section 146 of the Casino Control Act with effect from March 2010.

6 Includes the foreign worker levy, annual tonnage tax, water conservation tax and development charge.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1112>

20.2 GOVERNMENT OPERATING REVENUE *(continued)*

	Million Dollars						
	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Fees and Charges	2,765.2	3,986.4	4,699.1	5,279.8	5,624.7	6,404.5	8,673.6
Vehicle Quota Premiums	623.3	1,602.1	2,112.0	2,572.1	2,721.7	3,394.1	5,424.8
Other Fees and Charges ⁷	2,141.8	2,384.3	2,587.2	2,707.7	2,903.0	3,010.4	3,248.8
Others ⁸	164.8	225.8	302.0	416.1	250.0	323.8	502.2

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year. Figures may not add up due to rounding.

7 Includes revenue from licenses, permits, service fees, sales of goods, rental of premises, fines and forfeitures and reimbursements.

8 Excludes repayment of loans and advances, interest income, investment income and capital receipts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1112>

20.3 GOVERNMENT OPERATING EXPENDITURE BY SECTOR

	Million Dollars						
	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Total Operating Expenditure ¹	30,908.9	33,270.1	35,150.0	36,420.8	39,724.9	42,685.2	48,090.4
Social Development	14,714.2	16,458.9	18,056.3	18,495.6	20,943.2	22,611.8	26,258.2
Education	7,837.9	8,998.7	9,697.8	9,637.3	10,664.9	10,712.4	11,235.7
National Development	959.3	789.5	1,428.0	948.8	673.3	857.9	1,331.6
Health	2,920.2	3,258.0	3,488.8	4,066.1	5,043.9	5,872.4	7,519.8
The Environment and Water Resources	656.2	720.0	726.4	812.7	957.5	1,048.5	1,125.1
Culture, Community and Youth ²	na	na	na	364.5	1,003.0	1,335.0	1,794.6
Social and Family Development ²	1,564.7	1,828.7	1,721.5	1,739.3	1,598.3	1,722.4	2,121.0
Communications and Information ²	421.9	500.0	524.5	429.7	336.0	354.5	424.4
Manpower (Financial Security)	354.1	364.0	469.4	497.3	666.4	708.7	706.0
Security and External Relations	13,522.5	13,919.8	14,088.0	14,677.6	15,233.3	16,289.7	17,495.4
Defence	10,603.3	10,623.4	10,796.8	11,056.0	11,329.1	11,866.9	12,671.6
Home Affairs	2,576.7	2,936.8	2,947.4	3,266.3	3,521.9	4,029.1	4,377.1
Foreign Affairs	342.6	359.6	343.8	355.4	382.3	393.7	446.7
Economic Development	1,564.8	1,666.3	1,674.6	1,869.8	2,027.3	2,223.7	2,631.8
Transport	370.6	455.8	463.8	501.9	554.9	597.7	782.9
Trade and Industry	704.2	683.6	670.8	685.4	709.6	728.5	783.4
Manpower (excluding Financial Security)	413.8	439.1	379.9	455.9	495.9	519.8	611.1
Info-Communications and Media Development ²	76.2	87.7	160.1	226.6	267.0	377.7	454.4
Government Administration	1,107.4	1,225.1	1,331.1	1,377.8	1,521.1	1,560.0	1,704.6
Finance	528.0	552.4	616.9	630.8	711.4	681.8	739.6
Law	126.8	119.2	122.9	162.7	167.3	176.8	173.9
Organs of State	249.3	313.2	318.1	325.5	352.3	383.6	410.2
Prime Minister's Office	203.3	240.3	273.3	258.8	290.2	317.8	380.9

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year. Refinements have been made over time to the sectoral classification of Ministries' expenditure to better reflect the nature of the programmes. In FY2013, expenditure by the Ministry of Manpower under the Financial Security and Lifelong Employability programme (subsequently re-named as the Financial Security for Singaporeans programme) was reclassified from the Economic Development sector to the Social Development sector.

Figures may not add up due to rounding.

1 Refers to expenditure on manpower, other operating expenditure (excluding expenses on investment and agency fees on land sales), operating grants and transfers. Excludes Special Transfers and spending from Government Endowment and Trust Funds.

2 With effect from 1 November 2012, the Ministry of Community Development, Youth and Sports (MCYS) and the Ministry of Information, Communications and the Arts (MICA) were restructured to form three Ministries: (i) MCYS was renamed as the Ministry of Social and Family Development (MSF), (ii) MICA was renamed as the Ministry of Communications and Information (MCI) and (iii) the new Ministry of Culture, Community and Youth (MCCY) was formed to undertake functions transferred from MCYS and MICA.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10304>

20.4 GOVERNMENT DEVELOPMENT EXPENDITURE BY SECTOR

	Million Dollars						
	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Total Development Expenditure ¹	10,981.9	12,067.8	11,413.4	12,583.2	12,003.0	13,963.1	19,356.6
Social Development	3,431.4	3,643.2	3,603.2	3,381.8	3,236.3	4,595.1	5,033.9
Education	847.1	876.7	1,042.5	859.6	973.4	886.0	699.0
National Development	1,307.0	1,646.4	1,572.1	1,353.7	900.7	1,307.9	1,321.0
Health	710.5	484.8	453.1	605.4	722.9	1,146.8	1,413.1
The Environment and Water Resources	323.1	406.0	349.0	352.3	325.2	427.3	567.3
Culture, Community and Youth ²	na	na	na	95.3	212.5	617.1	778.6
Social and Family Development ²	115.3	120.4	63.6	36.8	40.7	61.8	110.6
Communications and Information ²	128.0	108.8	122.9	78.7	60.8	148.2	144.3
Manpower (Financial Security)	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Security and External Relations	861.0	717.8	717.8	719.7	860.3	906.5	956.0
Defence	440.0	437.7	479.4	467.7	422.4	428.6	430.9
Home Affairs	350.2	240.4	194.1	207.0	378.9	437.9	505.8
Foreign Affairs	70.7	39.7	44.3	45.0	59.1	40.0	19.3
Economic Development	6,476.8	7,490.2	6,895.6	7,955.0	7,546.6	7,923.0	12,909.1
Transport	4,082.0	4,249.7	4,002.9	5,413.7	5,503.8	5,488.6	10,332.4
Trade and Industry	2,334.1	2,673.1	2,552.7	2,387.2	1,946.6	2,101.8	2,398.0
Manpower (excluding Financial Security)	22.3	42.4	61.7	27.7	28.3	36.7	25.5
Info-Communications and Media Development ²	38.3	524.9	278.2	126.4	67.9	295.9	153.2
Government Administration	212.8	216.6	196.9	526.6	359.8	538.5	457.4
Finance	17.0	21.1	29.9	24.1	25.2	43.9	53.4
Law	166.4	148.0	130.5	316.4	273.2	434.4	318.8
Organs of State	17.5	13.8	16.6	163.1	21.5	22.6	47.5
Prime Minister's Office	11.9	33.8	19.9	23.0	40.0	37.6	37.7

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year. Refinements have been made over time to the sectoral classification of Ministries' expenditure to better reflect the nature of the programmes. In FY2013, expenditure by the Ministry of Manpower under the Financial Security and Lifelong Employability programme (subsequently re-named as the Financial Security for Singaporeans programme) was reclassified from the Economic Development sector to the Social Development sector. Figures may not add up due to rounding.

1 Excludes land-related expenditure, Special Transfers, spending from Government Endowment and Trust Funds, and loans to statutory boards, industrial and commercial enterprises.

2 With effect from 1 November 2012, the Ministry of Community Development, Youth and Sports (MCYS) and the Ministry of Information, Communications and the Arts (MICA) were restructured to form three Ministries: (i) MCYS was renamed as the Ministry of Social and Family Development (MSF), (ii) MICA was renamed as the Ministry of Communications and Information (MCI) and (iii) the new Ministry of Culture, Community and Youth (MCCY) was formed to undertake functions transferred from MCYS and MICA.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10343>

20.5 GOVERNMENT DEBT BY INSTRUMENT (As at End of Calendar Year)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Total	321,182.3	354,023.4	384,997.6	390,407.1	387,250.7	421,302.1	463,165.6
Domestic Debt	321,182.3	354,023.4	384,997.6	390,407.1	387,250.7	421,302.1	463,165.6
Registered Stocks and Bonds	253,841.3	279,635.0	304,946.0	333,943.8	362,741.4	396,598.8	438,900.9
Treasury Bills	57,100.0	59,100.0	60,000.0	38,800.0	8,000.0	8,500.0	9,000.0
Advance Deposits	10,241.0	15,288.4	20,051.6	17,663.3	16,509.3	16,203.3	15,264.7
External Debt	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Memorandum item : Debt Guarantees ¹	-	-	-	-	-	-	-

Sources : Accountant-General's Department
Monetary Authority of Singapore

Notes : The debt is raised through the issuance of the Singapore Government Securities (SGS) Bonds, Treasury Bills, Singapore Saving Bonds and Special Singapore Government Securities (SSGS).
SGS bonds and Treasury Bills are for purposes of developing Singapore's debt markets, SSGS are non-tradable bonds issued specifically to meet the investment needs of the Central Provident Fund (CPF) Board and SSB are issued to provide individual investors with a long-term savings option.
Under the Protection of Reserves Framework in the Singapore Constitution, borrowing proceeds are not revenues that the Government is allowed to spend. All borrowing proceeds from the issuance of securities are therefore invested.

1 Refers to the market value of debt guarantees.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5284>

20.6 GOVERNMENT DEBT BY MATURITY (As at End of Calendar Year)

	Million Dollars						
	2010	2011	2012	2013	2014	2015	2016
Domestic Debt (excluding Advance Deposits)	310,941.3	338,735.0	364,946.0	372,743.8	370,741.4	405,098.8	447,900.9
1 year maturity or less	80,915.5	84,615.5	83,815.5	68,894.0	32,554.0	38,854.0	36,212.0
More than 1 year maturity	230,025.8	254,119.5	281,130.5	303,849.8	338,187.4	366,244.8	411,688.9
External Debt	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source : Monetary Authority Singapore

Notes : The debt is raised through the issuance of the Singapore Government Securities (SGS) Bonds, Treasury Bills, Singapore Saving Bonds and Special Singapore Government Securities (SSGS).
SGS bonds and Treasury Bills are for purposes of developing Singapore's debt markets, SSGS are non-tradable bonds issued specifically to meet the investment needs of the Central Provident Fund (CPF) Board and SSB are issued to provide individual investors with a long-term savings option.
Under the Protection of Reserves Framework in the Singapore Constitution, borrowing proceeds are not revenues that the Government is allowed to spend. All borrowing proceeds from the issuance of securities are therefore invested.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5289>

20.7 TAXABLE INDIVIDUALS BY ASSESSED INCOME GROUP, YEAR OF ASSESSMENT 2015

	Unit	Total	Assessed Income Group (\$)					
			20,000 & below	20,001- 25,000	25,001- 30,000	30,001- 40,000	40,001- 50,000	50,001- 60,000
Taxpayers	No.	1,682,369	21,279	71,622	145,140	308,174	238,972	177,563
Tax resident	No.	1,649,436	0	69,439	143,520	305,969	237,594	176,611
Non-tax resident ¹	No.	32,933	21,279	2,183	1,620	2,205	1,378	952
Assessable Income	\$m	149,013	160	1,667	4,027	10,740	10,697	9,731
Tax resident	\$m	147,998	0	1,618	3,982	10,664	10,635	9,679
Non-tax resident ¹	\$m	1,015	160	49	44	76	62	52
Net Tax Assessed	\$m	9,039	28	11	15	42	59	77
Tax resident	\$m	8,859	0	2	7	29	48	68
Non-tax resident ¹	\$m	180	28	9	8	14	11	9

	Unit	Assessed Income Group (\$)						
		60,001- 80,000	80,001- 100,000	100,001- 150,000	150,001- 200,000	200,001- 300,000	300,001- 1,000,000	1,000,001 & above
Taxpayers	No.	218,244	129,102	169,546	76,425	64,969	56,165	5,168
Tax resident	No.	217,092	128,424	168,720	76,144	64,754	56,028	5,141
Non-tax resident ¹	No.	1,152	678	826	281	215	137	27
Assessable Income	\$m	15,067	11,525	20,624	13,152	15,715	25,984	9,925
Tax resident	\$m	14,988	11,464	20,524	13,104	15,663	25,923	9,754
Non-tax resident ¹	\$m	79	60	100	48	52	61	171
Net Tax Assessed	\$m	179	228	761	808	1,415	3,581	1,835
Tax resident	\$m	165	218	744	800	1,406	3,571	1,802
Non-tax resident ¹	\$m	14	10	17	8	8	10	34

Source : Inland Revenue Authority of Singapore

¹ Refers to an individual who has worked in Singapore for less than 183 days in the previous year (i.e. 2014 for Year of Assessment 2015).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1840>

20.8 TAXABLE COMPANIES BY CHARGEABLE INCOME GROUP, YEAR OF ASSESSMENT 2015

	Unit	Total	Chargeable Income Group (\$)				
			10,000 & below	10,001- 20,000	20,001- 30,000	30,001- 60,000	60,001- 100,000
Companies	No.	69,919	16,658	7,112	6,839	9,159	6,998
Tax resident	No.	67,901	16,327	6,858	6,613	8,804	6,813
Non-tax resident ¹	No.	2,018	331	254	226	355	185
Chargeable Income	\$m	108,647	56	105	177	398	548
Tax resident	\$m	97,562	55	101	171	382	534
Non-tax resident ¹	\$m	11,086	1	4	6	15	15
Net Tax Assessed	\$m	13,594	7	13	24	49	68
Tax resident	\$m	12,278	7	12	24	47	66
Non-tax resident ¹	\$m	1,315	0	0	1	2	2

	Unit	Chargeable Income Group (\$)					
		100,001- 300,000	300,001- 500,000	500,001- 1,000,000	1,000,001- 3,000,000	3,000,001- 5,000,000	5,000,001 & above
Companies	No.	9,840	3,058	3,565	3,520	970	2,200
Tax resident	No.	9,631	2,994	3,472	3,417	930	2,042
Non-tax resident ¹	No.	209	64	93	103	40	158
Chargeable Income	\$m	1,653	1,194	2,491	6,100	3,761	92,164
Tax resident	\$m	1,619	1,170	2,425	5,919	3,607	81,579
Non-tax resident ¹	\$m	33	25	66	182	154	10,584
Net Tax Assessed	\$m	205	144	320	910	585	11,269
Tax resident	\$m	201	141	311	883	561	10,026
Non-tax resident ¹	\$m	4	3	9	27	24	1,243

Source : Inland Revenue Authority of Singapore

¹ Refers to a company where the control and management of its business is not exercised in Singapore.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1839>

20.9 TAXABLE COMPANIES BY ECONOMIC SECTOR , YEAR OF ASSESSMENT 2015

	No. of Companies	Chargeable Income (\$m)	Net Tax Assessed (\$m)
Total	69,919	108,647	13,594
Manufacturing	5,144	12,578	1,473
Construction	5,660	3,076	485
Utilities ¹	187	771	129
Other Goods Industries ²	185	279	29
Wholesale & Retail Trade	19,261	25,093	2,850
Accommodation & Food Service Activities	2,232	1,358	220
Transportation & Storage	3,670	5,945	882
Information & Communications	3,244	3,652	549
Financial & Insurance Activities	8,128	31,091	3,726
Real Estate & Business Activities ³	16,383	21,014	2,891
Others ⁴	5,825	3,789	359

Source : Inland Revenue Authority of Singapore

Notes : The industries are classified according to the Singapore Standard Industrial Classification (SSIC) 2010.

1 Includes Electricity, Gas & Air-Conditioning Supply, Water Supply, Sewerage, and Waste Management & Remediation Activities.

2 Includes Agriculture & Fishing and Mining & Quarrying.

3 Includes Real Estate Activities, Professional, Scientific & Technical Activities, and Administrative & Support Service Activities.

4 Includes all other industries such as Education, Health & Social Services, Arts, Entertainment & Recreation, and Other Service Activities.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1841>

20.10 SOURCES AND USES OF DEVELOPMENT FUND

	Million Dollars						
	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Balance (Beginning of Financial Year)	93,488	89,015	98,712	103,567	104,202	100,736	98,498
Sources							
Total	16,464	26,608	20,461	17,364	14,825	18,162	25,040
Consolidated Revenue Account	7,916	16,441	12,200	8,685	5,579	7,200	14,000
Consolidated Loan Account	0	0	0	0	0	0	0
Others	8,548	10,167	8,261	8,679	9,247	10,962	11,040
Uses							
Total	20,937	16,910	15,606	16,730	18,291	20,399	28,884
Government Development Expenditure	14,053	13,710	12,929	13,855	13,222	15,331	20,759
Loans to Statutory Boards & Enterprises	6,884	3,200	2,677	2,875	5,069	5,068	8,125
Others	0	0	0	0	0	0	0

Source Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year.

Figures may not add up due to rounding.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1842>

20.11 GENERAL GOVERNMENT FINANCE

	Million Dollars						
	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Cash surplus/deficit ¹	4,421	24,407	31,889	31,185	31,006	28,460	17,778
Net cash inflow from operating activities	7,767	14,277	14,927	18,781	18,721	19,556	8,772
Cash receipts from operating activities	48,161	54,864	59,806	64,449	66,350	71,894	76,208
Cash payments for operating activities	40,394	40,587	44,879	45,668	47,629	52,338	67,436
Net cash outflow from investments in non-financial assets	3,346	-10,130	-16,962	-12,404	-12,285	-8,904	-9,006
Purchases of non-financial assets	7,380	6,172	5,904	6,032	5,265	6,022	6,536
Sales of non-financial assets	4,034	16,302	22,866	18,436	17,550	14,926	15,542
Net cash inflow from financing activities ²	34,810	35,171	39,364	32,448	-15,314	15,454	37,567
Net incurrence of liabilities	36,283	31,331	36,461	29,457	-14,899	14,652	40,115
Domestic	36,283	31,331	36,461	29,457	-14,899	14,652	40,115
Foreign	0	0	0	0	0	0	0
Net acquisition of financial assets other than cash	1,473	-3,840	-2,903	-2,991	415	-802	2,548
Domestic excluding cash	1,473	-3,840	-2,903	-2,991	415	-802	2,548
Foreign excluding cash	0	0	0	0	0	0	0

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year.

Presentation format of the table follows that of the National Summary Data Page for Singapore, which disseminates the data prescribed by the International Monetary Fund's Special Data Dissemination Standards. Data in the table represent a broader definition of Government revenues and receipts than what are permissible for Government spending as presented in each year's Budget Statement. This is because some revenues and receipts accrue to the Government's past reserves, which cannot be drawn on without the approval of the President.

The data prior to FY2015 follow the IMF Government Financial Statistics Manual (GFSM), i.e., GFSM 2001.

Data from FY 2015 follow the latest IMF Government Financial Statistics Manual (GFSM), GFSM 2014, which is an update from the previous GFSM 2001. Details on the differences in the reporting format for GFSM 2014 and GFSM 2001 can be found in IMF's website <http://www.imf.org/external/pubs/ft/gfs/manual/aboutgfs.htm>.

General government finance includes budgetary and extra-budgetary accounts.

Figures may not add up due to rounding.

1 Does not reflect the fiscal position of the current term of government, as it takes into account land sales and capital receipts (which accrue primarily to past reserves) in addition to taxes and other revenues, as well as land-related expenditure.

2 Data reflect the net issuance of Government securities and lending minus repayments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1843>

20.12 GOVERNMENT FINANCE

	Million Dollars						
	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
Cash surplus/deficit ¹	-442	19,621	27,366	25,321	25,262	22,358	11,006
Net cash inflow from operating activities	2,904	9,491	10,404	12,917	12,977	13,454	2,000
Cash receipts from operating activities	46,741	53,451	58,454	62,932	64,750	69,973	74,244
Cash payments for operating activities	43,837	43,959	48,050	50,015	51,773	56,519	72,244
Net cash outflow from investments in non-financial assets	3,346	-10,130	-16,962	-12,404	-12,285	-8,904	-9,006
Purchases of non-financial assets	7,380	6,172	5,904	6,032	5,265	6,022	6,536
Sales of non-financial assets	4,034	16,302	22,866	18,436	17,550	14,926	15,542
Net cash inflow from financing activities ²	34,810	35,171	39,364	32,447	-15,314	15,454	37,567
Net incurrence of liabilities	36,283	31,331	36,461	29,457	-14,899	14,652	40,115
Domestic	36,283	31,331	36,461	29,457	-14,899	14,652	40,115
Foreign	0	0	0	0	0	0	0
Net acquisition of financial assets other than cash	1,473	-3,840	-2,903	-2,991	415	-802	2,548
Domestic excluding cash	1,473	-3,840	-2,903	-2,991	415	-802	2,548
Foreign excluding cash	0	0	0	0	0	0	0

Source : Accountant-General's Department

Notes : Data refer to the Government's financial year, which begins on 1 April of the current year and ends on 31 March of the following year.

Presentation format of the table follows that of the National Summary Data Page for Singapore, which disseminates the data prescribed by the International Monetary Fund's Special Data Dissemination Standards. Data in the table represent a broader definition of Government revenues and receipts than what are permissible for Government spending as presented in each year's Budget Statement. This is because some revenues and receipts accrue to the Government's past reserves, which cannot be drawn on without the approval of the President.

Data prior to April 2015 follow the IMF Government Financial Statistics Manual (GFSM), i.e., GFSM 2001.

Data from April 2015 follow the latest IMF Government Financial Statistics Manual (GFSM), GFSM 2014, which is an update from the previous GFSM 2001. Details on the reporting format for GFSM 2014 and GFSM 2001 can be found in IMF's website <http://www.imf.org/external/pubs/ft/gfs/manual/aboutgfs.htm>.

Figures may not add up due to rounding.

1 Does not reflect the fiscal position of the current term of government, as it takes into account land sales and capital receipts (which accrue primarily to past reserves) in addition to taxes and other revenues, as well as land-related expenditure.

2 Data reflect the net issuance of Government securities and lending minus repayments.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1844>

21



Prices

21 Prices



Consumer Price Index



The Consumer Price Index (CPI) measures the average price changes in a fixed basket of consumption goods and services commonly purchased by households over time. The weighting pattern for the 2014-based CPI was derived from the expenditure values collected in the Household Expenditure Survey (HES) conducted from October 2012 to September 2013. These expenditure values were updated to 2014 values by taking into account price changes between 2012/13 and 2014.

The CPI is compiled on a monthly basis. The annual CPI is derived by taking a simple average of the 12 months' indices for the year. The annual inflation rate for a specific year is computed by comparing the average for the 12 monthly indices with that for the preceding year.

Details on the compilation of the 2014-based CPI can be obtained from the Information Paper "[Rebasing of The Consumer Price Index \(Base Year 2014 = 100\)](#)", published by the Singapore Department of Statistics (DOS).

Average Retail Prices of Consumer Items



Retail prices of selected goods and services are collected regularly from a wide range of retailers and service providers commonly patronised by households.

The average annual retail price refers to the simple average of the 12 monthly retail prices for the year.

Average retail prices of consumer items starting from January 2014 are based on the 2014-based CPI basket. These prices may not be strictly comparable with those published based on earlier CPI baskets due to changes in the sample of brands, varieties and outlets priced.

Singapore Manufactured Products & Domestic Supply Price Indices



The Singapore Manufactured Products Price Index measures the changes in the prices of goods manufactured by local manufacturers. The Domestic Supply Price Index monitors the price changes of commodities, either locally manufactured or imported from abroad, which are retained for use in the domestic economy. The 2012-based series is compiled using the 'modified Laspeyres' formula, where the weight reference period is 2011 and the price reference period is 2012.

The weights for Singapore manufactured products are derived from production data collected in the 2011 Census of Industrial Production. The weights for the Domestic Supply Price Index are made proportionate to the combined value of retained imports and locally manufactured goods sold in the domestic market. Ex-factory prices are collected from selected local manufacturers every month.

Indices at the commodity division and commodity section levels can be found on the [SingStat Website](#) via the following selections: Economy → Prices → Producer Price Indices. Analyses of price changes are published in the monthly reports on Singapore Manufactured Products & Domestic Supply Price Indices.

Import & Export Price Indices



The Import & Export Price Indices track the price movements of imported and exported goods. Prices for imported products are valued at 'CIF' (Cost, Insurance and Freight) and prices for exported products are valued at 'FOB' (Free On Board). The 2012-based series is compiled using the Laspeyres formula, where the price and weight reference periods are aligned to the reference period of 2012.

Prices

The weights for the imported and exported products are derived from the import and export statistics in 2012. Monthly prices are collected from selected importers and exporters.

Indices at the commodity division and commodity section levels can be found on the [SingStat Website](#) via the following selections: Economy → Prices → International Trade Price Indices. Analyses of price changes are available in the monthly report on Import & Export Price Indices.

Construction Material Market Prices

The Building and Construction Authority (BCA) compiles data on construction material

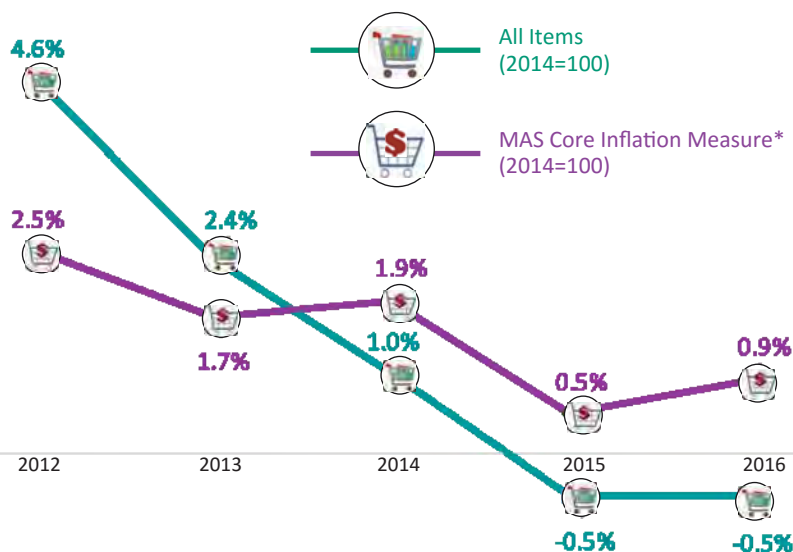
market prices. Construction material market prices are computed based on the average market prices of construction materials for the respective years.

Other Price Indices

The Housing and Development Board (HDB) compiles the Price Index of HDB Resale Flats, while the Urban Redevelopment Authority (URA) compiles the Private Residential Property Price Index and Commercial Property Price and Rental Indices. The Industrial Property Price Index, previously released by URA, is compiled by the JTC Corporation with effect from the fourth quarter of 2013.

Key Indicators

**Consumer Price Index
(Year-on-Year Change)**



* Excludes the components of "Accommodation" and "Private Road Transport"

**Domestic Supply Price Index
(Year-on-Year Change)**

2015	2016	-6.9%
2014	2015	-15.3%
2013	2014	-3.3%
2012	2013	-2.7%
2011	2012	0.5%

21.1 CONSUMER PRICE INDEX

(2014 = 100)

Division and Group	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Consumer Price Index								
All Items	10,000	87.8	92.5	96.7	99.0	100.0	99.5	98.9
Food	2,167	90.2	93.0	95.1	97.1	100.0	101.9	104.0
Clothing & Footwear	273	98.9	99.0	100.5	100.8	100.0	100.1	100.3
Housing & Utilities	2,625	82.2	89.6	97.1	99.9	100.0	96.5	92.5
Household Durables & Services	475	85.9	91.4	93.6	98.2	100.0	99.4	101.2
Health Care	615	87.7	89.8	93.7	97.3	100.0	99.9	101.0
Transport	1,579	82.6	92.4	99.0	101.2	100.0	98.6	96.2
Communication	385	103.2	101.7	101.6	100.2	100.0	100.3	99.9
Recreation & Culture	788	97.6	96.2	97.1	98.2	100.0	100.3	101.2
Education	615	86.4	89.5	93.1	96.7	100.0	103.4	106.6
Miscellaneous Goods & Services	478	95.0	95.9	96.9	98.7	99.9	99.9	100.1
All Items less Imputed Rentals on Owner-Occupied Accommodation ²	8,101	89.8	93.6	97.0	98.8	100.0	100.1	100.3
All Items less Accommodation	7,713	89.9	93.7	96.9	98.8	100.0	100.1	100.4
MAS Core Inflation Measure ³	6,564	92.0	94.0	96.4	98.1	100.0	100.5	101.4
Percentage Change Over Previous Year								
All Items	10,000	2.8	5.2	4.6	2.4	1.0	-0.5	-0.5
Food	2,167	1.4	3.0	2.3	2.1	2.9	1.9	2.1
Clothing & Footwear	273	0.5	0.1	1.5	0.3	-0.8	0.1	0.2
Housing & Utilities	2,625	2.2	9.0	8.4	2.8	0.1	-3.5	-4.1
Household Durables & Services	475	1.0	6.4	2.4	4.9	1.8	-0.6	1.8
Health Care	615	1.8	2.4	4.4	3.8	2.8	-0.1	1.1
Transport	1,579	10.3	11.9	7.1	2.3	-1.2	-1.4	-2.4
Communication	385	-2.2	-1.5	-0.1	-1.4	-0.2	0.3	-0.4
Recreation & Culture	788	1.0	-1.4	1.0	1.1	1.8	0.3	0.9
Education	615	3.4	3.6	4.1	3.8	3.4	3.4	3.1
Miscellaneous Goods & Services	478	0.7	0.9	1.1	1.9	1.2	0.0	0.3
All Items less Imputed Rentals on Owner-Occupied Accommodation ²	8,101	3.3	4.2	3.6	1.9	1.2	0.1	0.3
All Items less Accommodation	7,713	3.3	4.2	3.5	1.9	1.2	0.1	0.3
MAS Core Inflation Measure ³	6,564	1.5	2.2	2.5	1.7	1.9	0.5	0.9

1 The weighting pattern of the Consumer Price Index (CPI) was derived from the expenditure values collected from the 2012/13 Household Expenditure Survey (HES) and updated to 2014 values by taking into account price changes between 2012/13 and 2014.

2 A significant share of the CPI Accommodation group is "owner-occupied accommodation (OOA) cost", which is computed based on the imputed rental concept under the rental equivalence method. Besides the imputed rentals on OOA, actual rentals paid on rented units are included separately under the CPI Accommodation group. Given that imputed rentals on OOA have no impact on the cash expenditure of most households in Singapore as they already own their homes, "All Items less imputed rentals on OOA" is compiled as an additional indicator.

3 MAS Core Inflation Measure excludes the components of "Accommodation" and "Private Road Transport".

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6763>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6766>

21.2 CONSUMER PRICE INDEX FOR HOUSEHOLDS IN DIFFERENT INCOME GROUPS

(2014 = 100)

Income Group	All Items	Food	Clothing & Footwear	Housing & Utilities	Household Durables & Services	Health Care	Transport	Communication	Recreation & Culture	Education	Miscellaneous Goods & Services	All Items less Imputed Rentals on Owner-Occupied Accommodation ²
Weights ¹ Per 10,000												
Lowest 20%	10,000	2,435	157	4,002	359	812	732	397	466	261	379	7,076
Middle 60%	10,000	2,360	283	2,615	432	623	1,404	453	737	602	491	8,104
Highest 20%	10,000	1,835	280	2,396	555	562	1,984	288	920	700	480	8,263
Consumer Price Index												
2014												
Lowest 20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
Middle 60%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
Highest 20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
2015												
Lowest 20%	98.9	101.6	100.3	96.7	99.3	96.8	100.7	100.1	100.5	101.6	100.2	99.6
Middle 60%	99.7	101.9	100.2	96.5	99.4	99.7	99.7	100.3	100.4	103.2	100.0	100.3
Highest 20%	99.3	102.1	99.9	96.4	99.3	101.5	97.3	100.5	100.2	103.7	99.5	99.8
2016												
Lowest 20%	97.8	103.6	100.7	92.7	101.0	96.2	99.3	99.7	102.0	104.0	100.4	99.8
Middle 60%	99.2	103.9	100.4	92.4	101.1	100.7	97.7	99.9	101.2	106.3	100.2	100.6
Highest 20%	98.8	104.3	100.2	92.7	101.2	103.0	94.5	100.2	101.1	106.9	99.9	100.0
Percentage Change Over Previous Year												
2014												
Lowest 20%	1.5	3.0	-1.1	0.6	1.3	2.9	0.7	-0.3	1.9	2.7	2.6	1.8
Middle 60%	1.2	3.0	-0.9	0.4	1.5	2.7	-1.1	-0.2	1.9	3.4	1.4	1.3
Highest 20%	0.7	2.8	-0.7	-0.5	2.1	2.7	-1.5	-0.1	1.5	3.5	0.6	1.0
2015												
Lowest 20%	-1.1	1.6	0.3	-3.3	-0.7	-3.1	0.7	0.1	0.5	1.6	0.2	-0.4
Middle 60%	-0.3	1.9	0.2	-3.5	-0.6	-0.3	-0.3	0.3	0.4	3.2	0.1	0.3
Highest 20%	-0.7	2.1	-0.1	-3.6	-0.6	1.5	-2.6	0.5	0.2	3.7	-0.4	-0.1
2016												
Lowest 20%	-1.1	2.0	0.3	-4.1	1.7	-0.7	-1.3	-0.5	1.5	2.4	0.2	0.2
Middle 60%	-0.5	2.0	0.2	-4.2	1.7	1.0	-2.0	-0.4	0.9	3.0	0.2	0.4
Highest 20%	-0.5	2.1	0.3	-3.8	1.9	1.5	-2.9	-0.3	0.9	3.1	0.4	0.1

1 The weighting pattern of the Consumer Price Index (CPI) was derived from the expenditure values collected from the 2012/13 Household Expenditure Survey (HES) and updated to 2014 values by taking into account price changes between 2012/13 and 2014.

2 A significant share of the CPI Accommodation group is "Owner-Occupied Accommodation (OOA) cost", which is computed based on the imputed rental concept under the rental equivalence method. Besides the imputed rentals on OOA, actual rentals paid on rented units are included separately under the CPI Accommodation group. Given that imputed rentals on OOA have no impact on the cash expenditure of most households in Singapore as they already own their homes, "All Items less Imputed Rentals on OOA" is compiled as an additional indicator.

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<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6760>

21.3

PRICE INDICES OF SELECTED CONSUMER ITEMS

(2014 = 100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Health Care								
Medical & Dental Treatment	475	86.5	88.5	92.8	96.8	100.0	99.6	101.0
Consultation Fees at Polyclinics & General Practitioners	57	90.2	91.7	96.6	99.6	100.0	87.7	89.5
Transport								
Petrol	250	84.3	94.0	97.0	99.4	100.0	95.3	91.5
Overall Bus & Train Fares	174	96.5	97.0	97.8	97.8	100.0	102.7	101.7
Taxi Fares	105	88.3	89.0	99.1	99.2	100.0	100.3	100.7
Education								
Miscellaneous Fees for Primary Schools	25	82.8	82.8	82.8	99.7	100.0	100.0	100.0
School & Miscellaneous Fees for Secondary Schools & Junior Colleges	40	82.2	84.3	86.7	101.6	100.0	100.1	101.3
Tuition Fees for Polytechnics & Local Universities	107	86.4	90.2	93.6	97.0	100.0	102.7	105.6

1 The weighting pattern of the Consumer Price Index (CPI) was derived from the expenditure values collected from the 2012/13 Household Expenditure Survey (HES) and updated to 2014 values by taking into account price changes between 2012/13 and 2014.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3443>

21.4 AVERAGE RETAIL PRICES OF SELECTED CONSUMER ITEMS

Dollars

Item	Unit	2010	2011	2012	2013	2014	2015	2016
Bread & Cereals								
Thai Rice 100% Fragrant	Per 5 kg pkts	12.43	12.45	12.67	12.78	13.07	13.07	13.13
Ordinary White Bread	Per 400 g	1.40	1.45	1.46	1.49	1.57	1.60	1.62
Vitamin Enriched Bread	Per 400 g	1.63	1.60	1.60	1.68	1.88	1.88	1.88
Wholemeal Bread	Per 420 g	na	na	na	na	2.14	2.14	2.14
Instant Noodles	Per 5 pkts	2.16	2.23	2.23	2.23	2.21	2.19	2.26
Meat								
Chilled Lean Pork	Per kg	12.66	12.75	13.07	13.14	13.21	13.32	13.81
Chilled Streaky Pork	Per kg	13.62	13.91	14.40	14.67	14.88	15.04	15.76
Chilled Pork Rib Bones	Per kg	15.84	16.13	16.48	16.40	16.44	16.72	17.20
Chilled Beef	Per kg	20.25	21.23	21.96	21.43	21.64	22.15	22.93
Chilled Mutton	Per kg	15.12	17.60	17.79	17.89	17.79	18.15	18.27
Hen	Per kg	5.54	5.82	5.87	5.96	6.14	6.11	6.35
Chilled Chicken Wing	Per kg	na	na	na	na	7.87	7.89	8.04
Duck	Per kg	6.59	6.78	6.75	6.87	6.83	6.95	7.09
Fish & Seafood								
Cod Fish	Per kg	39.79	46.30	48.85	49.58	48.60	51.61	59.51
Gold Banded Scad (Kuning)	Per kg	5.71	6.11	6.57	6.57	6.77	6.96	6.98
Flowery Grouper	Per kg	13.09	14.28	14.62	14.63	13.79	13.88	14.44
White Pomfret	Per kg	21.85	24.28	24.76	24.70	25.02	26.29	27.66
Salmon	Per kg	25.10	26.17	25.41	26.23	27.42	27.26	28.87
Sea Bass	Per kg	10.67	12.15	12.46	12.29	12.35	11.97	12.45
Sea Bream (Kerisi)	Per kg	7.22	7.56	8.27	8.43	8.61	8.60	8.81
Golden Snapper	Per kg	15.43	16.74	16.77	17.71	18.04	18.78	18.66
Spanish Mackerel (Tenggiri)	Per kg	10.15	10.44	10.97	11.07	11.36	11.61	11.57
Kurau (Cut)	Per kg	42.77	44.36	44.80	48.53	51.18	52.93	56.95
Small Prawns	Per kg	10.02	10.47	11.17	11.69	12.92	13.19	13.39
Medium Prawns	Per kg	15.98	16.91	17.23	17.88	18.69	18.65	18.80
Large Prawns	Per kg	21.95	24.01	23.53	24.71	24.78	24.71	24.50
Squids	Per kg	9.81	11.15	11.32	11.97	12.72	13.30	14.51
Fish Balls	Per 10	1.79	1.88	1.91	1.90	1.92	1.97	2.05
Milk, Cheese & Eggs								
Fresh Milk	Per 1 litre pkts	2.76	2.85	2.88	2.93	2.87	2.84	2.81
Infant Milk Powder	Per 900 g tin	35.44	38.81	40.28	44.30	51.01	53.69	56.06
Cheese	Per pkt of 12 slices	4.76	5.06	5.07	4.85	4.74	4.77	4.56
Hen Eggs	Per 10	1.85	1.98	1.88	1.94	2.14	2.22	2.17

Notes : Prices of items starting from January 2014 are based on the 2014-based CPI basket. Prices may not be strictly comparable with those published based on the earlier CPI baskets due to changes in the sample of brands/varieties and outlets priced.

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21.4 AVERAGE RETAIL PRICES OF SELECTED CONSUMER ITEMS *(continued)*

								Dollars
Item	Unit	2010	2011	2012	2013	2014	2015	2016
Oil & Fats								
Cooking Oil	Per 2 kg bottle	5.52	6.04	5.99	5.67	6.50	6.31	6.00
Fruits								
Bananas (Emas)	Per kg	1.51	1.56	1.65	1.81	2.12	2.18	2.31
Papaya	Per kg	1.55	1.68	1.79	1.92	2.15	1.96	1.97
Watermelon	Per kg	1.16	1.31	1.34	1.46	1.65	1.61	1.52
Orange	Each	0.34	0.34	0.34	0.36	0.35	0.39	0.43
Apple	Each	0.37	0.38	0.40	0.42	0.45	0.45	0.43
Grapes	Per kg	7.68	7.66	7.88	8.43	8.92	9.25	9.26
Pear	Each	0.88	0.92	0.93	0.95	0.97	0.94	0.99
Vegetables								
Broccoli	Per kg	6.83	6.80	7.54	7.38	6.06	5.90	6.31
Cabbage	Per kg	1.73	1.81	1.91	1.94	2.01	2.09	2.26
Kale	Per kg	4.02	4.11	4.13	4.31	5.14	5.17	5.89
Small Mustard	Per kg	2.81	3.16	2.97	3.04	3.20	3.18	3.32
Spinach (Bayam)	Per kg	2.64	2.83	2.79	2.81	2.79	2.78	2.81
Tomatoes	Per kg	2.03	1.96	2.00	2.20	2.33	2.37	2.25
Potatoes	Per kg	1.59	1.79	1.71	1.78	1.95	1.98	2.07
Carrots	Per kg	1.90	1.95	1.96	1.98	2.04	2.07	2.13
Sugar, Preserves & Confectionery								
Sugar	Per 2 kg pkt	3.16	3.37	3.34	3.28	3.19	3.13	3.09
Non-Alcoholic Beverages								
Instant Coffee	Per 200 g bottle	9.33	9.79	10.07	9.96	9.94	10.11	10.27
Aerated Soft Drinks	Per 330 ml can	0.62	0.65	0.67	0.68	0.68	0.69	0.69
Non-Aerated, Soft Drinks	Per 6 pkts of 250 ml	2.32	2.36	2.38	2.42	2.49	2.46	2.40
Alcoholic Drinks & Tobacco								
Beer	Per 330 ml can	3.10	3.09	3.10	3.10	3.22	3.30	3.26
Cigarettes	Per 20-stick pack	10.66	10.73	10.80	10.86	11.82	11.99	12.04
Petroleum Related Products								
Diesel	Per litre	1.22	1.46	1.50	1.51	1.50	1.17	1.04
Petrol, 98 Octane	Per litre	1.84	2.04	2.13	2.20	2.22	2.19	2.17
Petrol, 95 Octane	Per litre	1.75	1.96	2.00	2.05	2.05	1.92	1.82
Petrol, 92 Octane	Per litre	1.69	1.90	1.95	1.99	2.00	1.87	1.77
Liquefied Petroleum Gas	Per kg	2.87	3.09	3.15	3.20	3.34	3.04	3.08

Notes : Prices of items starting from January 2014 are based on the 2014-based CPI basket. Prices may not be strictly comparable with those published based on the earlier CPI baskets due to changes in the sample of brands/varieties and outlets priced.

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21.5 DOMESTIC SUPPLY PRICE INDEX

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
All Items	10,000	91.8	99.5	100.0	97.3	94.1	79.7	74.1
Non-Oil Items	6,300	101.2	100.7	100.0	98.2	97.2	95.9	92.6
Food & Live Animals	327	99.4	102.7	100.0	101.9	104.8	101.7	99.7
Live animals	14	96.4	103.6	100.0	101.9	103.8	102.8	101.9
Meat & meat preparations	44	96.5	101.7	100.0	101.1	103.3	100.3	97.3
Dairy products & birds' eggs	72	101.6	107.2	100.0	109.4	116.2	100.3	90.8
Fish, seafood & preparations	23	100.9	101.5	100.0	98.5	100.6	103.9	109.6
Cereals & cereal preparations	49	96.6	101.7	100.0	102.2	102.9	102.6	100.8
Vegetables & fruit	26	95.1	99.6	100.0	106.7	108.6	110.9	104.3
Sugar, sugar preparations & honey	13	101.9	105.7	100.0	92.8	88.3	85.6	92.5
Coffee, tea, cocoa, spices & manufactures	27	106.0	105.9	100.0	93.2	101.5	106.0	113.1
Animal feeding stuff (excl unmilled cereals)	4	101.6	96.7	100.0	100.0	104.4	103.8	104.7
Miscellaneous food preparations	55	101.4	101.0	100.0	98.5	99.0	100.1	100.3
Beverages & Tobacco	44	102.1	100.5	100.0	99.9	101.0	101.9	101.5
Beverages	31	102.1	99.2	100.0	99.4	100.5	100.8	99.4
Tobacco & manufactures	13	102.2	103.0	100.0	101.1	102.3	104.4	106.3
Crude Materials (excl fuels)	59	90.0	99.6	100.0	99.4	100.5	96.5	87.9
Hides, skins & furskins raw	2	na	na	100.0	106.5	108.0	106.0	97.0
Oil seeds & oleaginous fruits	1	91.5	95.4	100.0	99.0	96.0	102.3	96.4
Crude rubber	2	108.5	132.4	100.0	99.9	103.8	101.4	94.1
Cork & wood	5	90.2	95.8	100.0	96.1	94.7	96.0	92.2
Textile fibres & their wastes	1	na	na	100.0	104.1	107.8	108.6	111.2
Crude fertilizers & minerals	31	94.6	98.3	100.0	99.8	100.1	93.9	81.8
Metalliferous ores & metal scrap	11	72.7	90.8	100.0	93.9	95.6	90.2	87.1
Crude animal & vegetable materials nes	6	98.7	99.9	100.0	108.5	114.6	116.4	109.5
Mineral Fuels, Lubricants & Related Materials	3,700	76.2	97.6	100.0	95.9	88.7	52.1	42.6
Petroleum & products & related materials	3,527	76.2	97.6	100.0	95.6	88.4	51.7	42.1
Gas	173	85.6	94.0	100.0	101.5	93.9	59.9	52.5

(continued on the next page)

Notes : The Domestic Supply Price Index measures the change in prices of imported and locally manufactured products retained for use in the economy.

1 The weight for each commodity item was proportional to the value of its total supply or availability in the domestic market in 2011.

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<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12099>

21.5 DOMESTIC SUPPLY PRICE INDEX *(continued)*

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Animal & Vegetable Oils,								
Fats & Waxes	44	88.3	104.9	100.0	84.9	84.2	74.2	78.0
Fixed vegetable fats & oils	32	90.3	103.9	100.0	83.6	83.6	72.4	80.0
Animal & vegetable oils, fats & waxes nes	12	83.4	110.1	100.0	88.5	85.8	79.2	72.4
Chemicals & Chemical Products	1,181	95.8	100.7	100.0	100.1	98.8	86.2	82.4
Organic chemicals	612	93.7	101.8	100.0	102.0	100.6	79.6	74.9
Inorganic chemicals	64	87.4	98.8	100.0	87.8	83.9	83.5	82.8
Dyeing, tanning & colouring materials	17	96.2	98.0	100.0	93.5	92.3	90.5	88.7
Medicinal & pharmaceutical products	102	100.4	98.1	100.0	95.1	92.0	85.4	83.7
Essential oils & perfume; toilet cleaning products	30	101.1	100.1	100.0	100.6	101.8	98.8	98.8
Plastics in primary forms	92	100.7	103.8	100.0	101.4	103.7	90.8	83.6
Plastics in non-primary forms	24	102.1	101.9	100.0	100.9	101.3	100.6	98.3
Chemical materials & products nes	240	94.5	97.1	100.0	100.6	99.3	99.0	96.2
Manufactured Goods	668	102.0	104.1	100.0	97.4	96.7	94.8	89.1
Leather manufactures nes	2	99.2	97.9	100.0	107.1	120.2	122.5	125.5
Rubber manufactures nes	18	98.7	98.3	100.0	96.4	94.5	98.1	96.0
Wood & cork manufactures (excl furniture)	7	98.9	99.4	100.0	99.7	100.3	101.2	102.2
Paper manufactures	67	103.1	102.7	100.0	99.1	99.1	100.4	98.8
Textile manufactures	11	106.3	103.8	100.0	98.2	98.9	101.0	100.7
Non-metal mineral manufactures nes	130	93.0	98.9	100.0	100.9	102.4	102.6	97.1
Iron & steel	148	103.4	106.7	100.0	94.6	92.1	85.0	75.2
Non-ferrous metals	118	105.2	110.5	100.0	94.6	91.9	86.5	81.8
Manufactures of metals nes	167	101.2	101.1	100.0	98.5	98.6	99.5	94.0

(continued on the next page)

Notes : The Domestic Supply Price Index measures the change in prices of imported and locally manufactured products retained for use in the economy.

1 The weight for each commodity item was proportional to the value of its total supply or availability in the domestic market in 2011.

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<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12099>

21.5 DOMESTIC SUPPLY PRICE INDEX *(continued)*

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Machinery & Transport Equipment	3,229	105.5	100.3	100.0	97.4	95.9	98.6	95.1
Power-generating machinery & equipment	176	97.0	96.1	100.0	103.4	108.8	120.2	124.5
Machinery specialized for particular industries	188	109.4	102.4	100.0	97.8	97.0	96.8	94.7
Metal working machinery	6	98.7	100.4	100.0	99.3	98.2	98.7	101.2
General industrial machinery	149	101.5	100.3	100.0	100.2	101.4	102.1	101.7
Office machines & data-processing machines	234	109.6	102.3	100.0	97.9	98.1	99.6	98.8
Telecommunication apparatus	233	115.5	106.1	100.0	91.9	79.7	76.8	73.2
Electrical machinery apparatus nes, electrical parts	2,176	104.8	99.1	100.0	97.2	95.6	98.8	93.9
Road vehicles	67	102.6	100.9	100.0	98.7	105.2	105.8	106.7
Miscellaneous Manufactured Articles	748	95.7	97.7	100.0	97.9	98.0	98.5	99.0
Prefabricated building, sanitary plumbing, lighting nes	10	92.5	95.6	100.0	100.3	100.8	102.0	99.0
Furniture, bedding, mattresses, cushions & others	51	108.3	100.8	100.0	99.7	100.9	102.5	104.1
Travel goods, handbags & similar containers	22	100.5	97.7	100.0	103.7	110.7	116.6	118.8
Articles of apparel & clothing accessories	24	94.1	95.2	100.0	103.4	105.5	107.4	107.9
Footwear	14	100.1	99.7	100.0	100.2	103.8	103.1	104.7
Professional scientific & controlling instruments nes	312	103.9	100.4	100.0	100.0	100.9	100.7	100.2
Photographic & optical goods nes; watches & clocks	93	97.5	98.4	100.0	98.4	98.8	98.4	97.0
Miscellaneous manufactured articles nes	222	89.0	95.8	100.0	93.1	90.5	91.4	93.5

Notes : The Domestic Supply Price Index measures the change in prices of imported and locally manufactured products retained for use in the economy.

¹ The weight for each commodity item was proportional to the value of its total supply or availability in the domestic market in 2011.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12119>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12099>

21.6 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
All Items	10,000	94.6	99.6	100.0	96.9	93.6	85.0	80.4
Non-Oil Items	7,782	101.7	100.2	100.0	97.2	94.8	92.7	89.8
Food & Live Animals	266	98.7	101.3	100.0	101.3	104.9	103.5	102.6
Meat & meat preparations	22	99.1	101.7	100.0	100.7	101.5	100.0	99.5
Dairy products & birds' eggs	58	103.9	103.2	100.0	106.6	109.7	102.3	94.1
Fish, seafood & preparations	7	97.3	100.2	100.0	98.6	107.5	109.0	111.2
Cereals & cereal preparations	44	95.3	99.5	100.0	101.6	104.1	105.2	106.2
Vegetables & fruit	4	93.8	97.8	100.0	100.0	100.0	101.9	103.3
Sugar, sugar preparations & honey	2	na	na	100.0	101.0	109.6	95.5	92.2
Coffee, tea, cocoa, spices & manufactures	31	98.6	103.9	100.0	93.8	109.5	106.2	113.2
Animal feeding stuff (excl unmilled cereals)	9	100.8	97.9	100.0	97.7	103.6	104.4	104.3
Miscellaneous food preparations	89	99.0	100.4	100.0	101.2	101.6	103.1	102.8
Beverages & Tobacco	54	98.5	98.9	100.0	99.9	100.6	101.4	101.8
Beverages	27	98.5	97.3	100.0	99.4	100.5	101.7	99.4
Tobacco & manufactures	27	98.4	101.2	100.0	100.4	100.7	101.2	104.2
Crude Materials (excl fuels)	7	104.2	100.4	100.0	101.7	104.2	104.9	109.0
Cork & wood	1	93.3	97.1	100.0	115.0	117.4	117.6	116.9
Crude fertilizers & minerals	3	106.4	101.5	100.0	102.7	107.9	109.3	118.6
Metalliferous ores & metal scrap	3	100.0	100.0	100.0	98.5	98.5	98.5	98.4
Mineral Fuels, Lubricants & Related Materials	2,218	78.5	98.5	100.0	96.0	89.6	58.3	47.1
Petroleum & products & related materials	2,187	78.5	98.5	100.0	96.0	89.6	58.4	47.2
Gas	31	85.6	94.0	100.0	96.7	90.0	51.5	41.4
Animal & Vegetable Oils,								
Fats & Waxes	28	88.2	99.3	100.0	87.2	94.3	90.1	95.2
Fixed vegetable fats & oils	16	90.0	100.5	100.0	87.0	101.5	99.4	113.6
Animal & vegetable oils, fats & waxes	12	na	na	100.0	87.5	84.7	78.0	71.0

(continued on the next page)

1 The weights for Singapore Manufactured Products Price Index are compiled based on the production value of the commodity item in 2011.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12118>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12108>

21.6 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX *(continued)*

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Chemicals & Chemical Products	2,335	98.4	102.3	100.0	100.4	99.1	88.1	86.4
Organic chemicals	1,402	97.3	102.8	100.0	99.9	97.0	82.0	82.0
Inorganic chemicals	56	86.0	96.1	100.0	95.0	91.7	89.2	84.1
Dyeing, tanning & colouring materials	33	96.5	99.8	100.0	97.2	96.7	94.7	90.6
Medicinal & pharmaceutical products	157	104.6	99.3	100.0	100.3	101.0	104.0	99.8
Essential oils & perfume; toilet cleaning products	64	101.6	103.1	100.0	95.8	97.2	100.1	102.6
Plastics in primary forms	323	100.0	105.1	100.0	104.2	107.1	91.8	85.6
Plastics in non-primary forms	38	98.6	101.9	100.0	102.7	103.8	102.5	100.1
Chemical materials & products nes	262	98.7	98.4	100.0	101.0	101.3	100.5	96.3
Manufactured Goods	439	98.6	102.1	100.0	99.6	98.9	98.0	94.3
Leather manufactures nes	5	98.6	96.8	100.0	107.1	120.2	122.5	125.5
Rubber manufactures nes	18	91.2	94.8	100.0	98.7	98.9	104.7	107.1
Wood & cork manufactures (excl furniture)	8	99.7	99.7	100.0	99.6	100.1	100.9	102.0
Paper manufactures	44	93.7	99.5	100.0	103.2	104.1	103.8	100.1
Textile manufactures	10	126.9	110.6	100.0	100.0	100.0	101.6	102.2
Non-metal mineral manufactures nes	77	91.8	101.7	100.0	99.9	102.2	100.1	96.5
Iron & steel	63	99.3	104.1	100.0	96.6	91.6	86.3	74.6
Non-ferrous metals	31	97.5	107.9	100.0	97.8	95.9	92.9	89.7
Manufactures of metals nes	183	100.8	101.9	100.0	99.8	98.6	99.1	96.8
Machinery & Transport Equipment	3,900	103.8	98.6	100.0	94.4	90.6	93.7	89.7
Power-generating machinery & equipment	33	90.0	96.5	100.0	94.5	91.5	94.6	91.5
Machinery specialized for particular industries	376	109.1	100.7	100.0	97.3	93.9	94.6	89.1
Metal working machinery	21	98.8	100.2	100.0	103.2	103.2	97.4	96.3
General industrial machinery	167	99.8	99.0	100.0	98.9	99.7	100.7	101.0
Office machines & data-processing machines	1,143	110.5	100.9	100.0	87.4	79.7	82.8	82.2
Telecommunication apparatus	49	87.3	98.4	100.0	101.3	99.9	102.5	101.5
Electrical machinery apparatus nes, electrical parts	2,076	103.3	96.9	100.0	97.1	94.6	98.4	92.3
Road vehicles	35	98.8	99.2	100.0	101.7	108.2	111.4	113.9
Miscellaneous Manufactured Articles	753	102.3	102.2	100.0	98.8	96.4	93.8	92.8
Furniture, bedding, mattresses, cushions & others	31	100.6	97.6	100.0	100.2	102.4	105.5	109.4
Travel goods, handbags & similar containers	1	89.1	92.7	100.0	103.7	110.5	115.8	115.4
Articles of apparel & clothing accessories	27	94.2	93.9	100.0	96.8	93.8	102.9	98.5
Professional scientific & controlling instruments nes	327	101.9	100.8	100.0	98.4	97.9	94.5	94.0
Photographic & optical goods nes; watches & clocks	21	103.2	99.0	100.0	101.0	101.7	102.1	82.6
Miscellaneous manufactured articles nes	346	103.9	104.7	100.0	99.0	94.2	90.8	90.3

1 The weights for Singapore Manufactured Products Price Index are compiled based on the production value of the commodity item in 2011.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12118>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12108>

21.7 IMPORT PRICE INDEX

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
All Items	10,000	95.7	100.3	100.0	97.2	94.5	82.5	78.1
Non-Oil Items	6,684	102.5	101.3	100.0	97.9	97.3	97.7	95.7
Food & Live Animals	215	97.2	102.6	100.0	100.9	104.2	101.5	99.0
Live animals	9	96.4	103.5	100.0	101.6	103.6	102.9	101.7
Meat & meat preparations	26	95.5	100.8	100.0	101.3	104.4	100.8	96.5
Dairy products & birds' eggs	28	101.3	106.8	100.0	111.5	121.5	98.0	87.3
Fish, seafood & preparations	28	101.1	102.0	100.0	99.1	101.5	104.5	109.5
Cereals & cereal preparations	21	97.1	102.5	100.0	102.3	100.7	98.6	93.6
Vegetables & fruit	37	92.6	101.6	100.0	105.2	108.5	111.1	104.3
Sugar, sugar preparations & honey	12	102.1	106.1	100.0	92.5	87.8	84.5	91.4
Coffee, tea, cocoa, spices & manufactures	28	89.4	100.4	100.0	96.5	105.0	109.2	109.6
Animal feeding stuff (excl unmilled cereals)	3	103.5	93.3	100.0	101.6	105.1	102.2	103.7
Miscellaneous food preparations	23	105.8	103.4	100.0	90.6	90.5	89.2	89.2
Beverages & Tobacco	86	101.3	98.5	100.0	101.1	102.1	104.7	104.4
Beverages	66	98.0	96.4	100.0	100.8	101.4	103.3	103.1
Tobacco & manufactures	20	108.9	103.3	100.0	102.1	104.4	109.2	108.8
Crude Materials (excl fuels)	83	96.5	106.2	100.0	95.7	93.4	88.0	81.8
Hides, skins & furskins raw	1	94.7	93.9	100.0	106.5	108.0	106.0	97.0
Oil seeds & oleaginous fruits	1	91.5	95.4	100.0	96.1	91.6	101.2	96.4
Crude rubber	17	110.8	133.9	100.0	82.9	67.6	56.2	56.1
Cork & wood	5	91.1	96.1	100.0	94.6	93.3	95.0	91.0
Textile fibres & their wastes	3	89.0	90.7	100.0	103.7	102.9	102.1	102.8
Crude fertilizers & minerals	26	94.7	98.1	100.0	99.6	99.9	94.7	82.6
Metalliferous ores & metal scrap	21	80.5	93.3	100.0	94.5	94.3	87.9	83.4
Crude animal & vegetable materials nes	9	100.9	100.1	100.0	107.9	116.4	115.7	107.9
Mineral Fuels, Lubricants & Related Materials	3,316	76.2	97.4	100.0	95.9	88.8	52.0	42.8
Petroleum & products & related materials	3,152	76.2	97.4	100.0	95.5	88.5	51.5	42.2
Gas	164	na	na	100.0	102.1	94.3	60.8	53.7
Animal & Vegetable Oils, Fats & Waxes	37	87.5	108.8	100.0	83.1	82.1	70.1	76.0
Fixed vegetable fats & oils	36	90.8	110.9	100.0	82.6	81.6	69.4	75.7
Animal & vegetable oils, fats & waxes nes	1	83.5	108.8	100.0	97.7	95.5	90.3	85.2

(continued on the next page)

1 The weights for the Import Price Index are compiled based on the value of the commodity item imported in 2012.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12117>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12109>

21.7 IMPORT PRICE INDEX (continued)

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Chemicals & Chemical Products	694	97.0	100.5	100.0	98.9	97.9	92.0	88.1
Organic chemicals	188	96.5	103.6	100.0	99.0	95.8	83.9	76.2
Inorganic chemicals	34	90.7	101.1	100.0	81.4	77.8	79.7	82.8
Dyeing, tanning & colouring materials	28	97.7	97.5	100.0	92.5	90.9	88.3	87.5
Medicinal & pharmaceutical products	70	97.5	97.3	100.0	96.6	94.2	88.8	87.6
Essential oils & perfume; toilet cleaning products	75	103.2	101.9	100.0	100.9	102.7	102.0	102.7
Plastics in primary forms	147	99.4	101.5	100.0	103.0	105.8	96.0	90.2
Plastics in non-primary forms	31	103.4	102.1	100.0	100.1	100.9	100.8	98.6
Chemical materials & products nes	121	92.4	95.9	100.0	99.9	97.4	97.6	94.3
Manufactured Goods	635	101.3	104.4	100.0	97.2	97.7	94.2	87.7
Rubber manufactures nes	32	93.0	96.7	100.0	96.5	94.7	96.5	93.6
Paper manufactures	50	106.5	104.0	100.0	98.6	99.0	101.9	100.5
Textile manufactures	31	97.3	101.1	100.0	98.3	99.7	102.6	101.8
Non-metal mineral manufactures nes	83	97.3	96.7	100.0	101.9	101.9	104.0	97.5
Iron & steel	179	104.0	107.3	100.0	95.6	96.8	89.9	79.7
Non-ferrous metals	116	106.3	115.2	100.0	94.0	93.9	81.8	78.1
Manufactures of metals nes	144	99.1	100.9	100.0	98.7	99.4	99.2	90.9
Machinery & Transport Equipment	4,205	105.1	101.4	100.0	97.9	96.8	98.7	97.3
Power-generating machinery & equipment	298	98.8	97.2	100.0	102.9	107.5	117.0	120.7
Machinery specialized for particular industries	352	105.5	102.4	100.0	96.4	94.6	94.7	94.4
Metalworking machinery	31	100.8	100.5	100.0	94.9	92.8	92.9	96.6
General industrial machinery	328	102.5	100.9	100.0	99.3	100.1	99.9	101.1
Office machines & data-processing machines	495	101.8	100.7	100.0	98.2	98.5	101.4	100.8
Telecommunication apparatus	422	128.4	113.5	100.0	92.3	80.8	78.4	74.8
Electrical machinery apparatus nes, electrical parts	2,116	103.8	100.2	100.0	98.2	97.7	100.1	97.3
Road vehicles	163	99.5	100.1	100.0	97.9	101.1	99.0	100.9
Miscellaneous Manufactured Articles	729	96.2	97.4	100.0	97.4	97.4	100.5	101.3
Prefabricated building, sanitary plumbing, lighting nes	16	95.3	97.3	100.0	100.4	101.2	103.0	100.0
Furniture, bedding, mattresses, cushions & others	25	109.4	101.3	100.0	98.9	98.9	98.3	97.6
Travel goods, handbags & similar containers	25	97.1	95.9	100.0	103.0	110.1	114.9	116.2
Articles of apparel & clothing accessories	64	95.3	96.6	100.0	102.7	104.6	106.5	106.8
Footwear	16	100.1	99.8	100.0	99.9	103.0	102.4	104.0
Professional scientific & controlling instruments	207	103.8	100.5	100.0	100.7	102.1	111.2	111.8
Photographic & optical goods nes; watches & clocks	99	97.8	97.5	100.0	97.2	97.8	97.2	96.3
Miscellaneous mfd articles nes	277	89.1	95.0	100.0	92.7	90.3	91.1	93.0

1 The weights for the Import Price Index are compiled based on the value of the commodity item imported in 2012.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12117>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12109>

21.8 EXPORT PRICE INDEX

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
All Items	10,000	98.8	101.1	100.0	97.3	95.0	88.5	83.7
Non-Oil Items	7,395	106.0	102.1	100.0	98.2	97.3	99.8	97.1
Food & Live Animals	124	93.9	102.8	100.0	96.6	101.5	103.6	100.7
Meat & meat preparations	2	104.1	112.1	100.0	103.8	104.5	106.5	103.9
Dairy products & birds' eggs	7	96.9	99.2	100.0	105.6	124.4	101.5	79.6
Fish, seafood & preparations	9	98.9	99.9	100.0	95.1	95.5	99.4	100.2
Cereals & cereal preparations	7	96.6	100.2	100.0	100.8	102.0	104.9	106.0
Vegetables & fruit	8	85.1	127.7	100.0	92.6	121.4	133.0	126.3
Sugar, sugar preparations & honey	6	102.7	106.1	100.0	90.1	88.7	88.3	95.5
Coffee, tea, cocoa, spices & manufactures	29	90.9	99.6	100.0	96.5	107.4	109.9	107.2
Animal feeding stuff (excl unmilled cereals)	6	98.6	98.5	100.0	99.3	99.7	119.1	116.6
Miscellaneous food preparations	50	92.7	100.2	100.0	95.9	94.4	96.2	94.2
Beverages & Tobacco	87	97.8	98.2	100.0	98.1	100.2	107.2	109.4
Beverages	66	93.3	97.0	100.0	96.6	98.1	103.6	105.0
Tobacco & manufactures	21	106.0	100.5	100.0	102.8	107.2	118.7	123.2
Crude Materials (excl fuels)	60	105.6	113.0	100.0	90.6	84.0	74.8	69.8
Crude rubber	15	116.3	143.6	100.0	81.4	57.6	50.1	50.6
Cork & wood	2	81.0	84.6	100.0	98.0	101.3	100.7	95.4
Pulp and waste paper	6	108.5	121.5	100.0	92.6	95.1	97.9	97.8
Textile fibres & their wastes	3	88.3	89.7	100.0	109.3	94.4	95.0	83.8
Metalliferous ores & metal scrap	29	105.6	110.2	100.0	91.0	89.4	74.6	66.0
Crude animal & vegetable materials nes	5	104.4	98.7	100.0	99.8	103.3	99.0	96.1
Mineral Fuels, Lubricants & Related Materials	2,605	76.3	97.8	100.0	94.6	88.6	56.3	45.6
Petroleum & products & related materials	2,595	76.3	98.0	100.0	94.6	88.6	56.3	45.6
Gas	10	70.5	80.7	100.0	94.5	83.7	52.2	38.9
Animal & Vegetable Oils,								
Fats & waxes	8	95.9	107.2	100.0	93.2	90.4	84.6	84.6
Animal oils & fats	1	92.1	95.7	100.0	107.7	104.1	99.7	93.4
Fixed vegetable fats & oils	5	95.9	109.6	100.0	90.1	86.7	80.4	80.3
Animal & vegetable oils, fats & waxes nes	2	96.6	101.4	100.0	99.1	97.8	93.4	94.3

(continued on the next page)

1 The weights for the Export Price Index are compiled based on the value of the commodity item exported in 2012.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12115>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12101>

21.8 EXPORT PRICE INDEX (continued)

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Chemicals & Chemical Products	1,344	100.4	100.9	100.0	99.7	100.3	97.5	92.5
Organic chemicals	498	99.6	99.0	100.0	98.4	97.5	93.1	85.3
Inorganic chemicals	13	93.7	99.1	100.0	96.4	95.0	93.7	91.1
Dyeing, tanning & colouring materials	32	97.2	98.6	100.0	91.3	91.8	90.0	90.3
Medicinal & pharmaceutical products	228	105.3	101.1	100.0	97.2	99.6	100.1	96.8
Essential oils & perfume; toilet cleaning products	127	102.2	102.9	100.0	104.9	105.0	105.7	109.2
Plastics in primary forms	289	103.1	106.0	100.0	102.4	104.5	95.5	87.9
Plastics in non-primary forms	29	81.6	98.4	100.0	99.7	101.0	101.8	96.9
Chemical materials & products nes	128	99.0	99.6	100.0	99.9	101.5	107.7	106.0
Manufactured Goods	381	102.0	105.1	100.0	98.8	99.3	96.3	92.9
Rubber manufactures nes	26	99.1	99.1	100.0	99.2	98.9	98.4	98.4
Wood & cork manufactures (excl furniture)	2	111.4	107.4	100.0	103.5	110.8	109.4	107.8
Paper manufactures	40	105.1	101.3	100.0	101.0	101.2	105.3	101.1
Textile manufactures	20	102.0	106.1	100.0	100.6	100.4	107.0	105.5
Non-metal mineral manufactures nes	31	106.4	103.3	100.0	91.3	89.2	90.7	95.8
Iron & steel	96	101.7	104.1	100.0	99.9	99.4	95.1	83.0
Non-ferrous metals	76	102.0	115.8	100.0	97.7	100.2	85.0	87.4
Manufactures of metals nes	90	101.3	98.1	100.0	99.7	100.8	101.7	98.6
Machinery & Transport Equipment	4,595	108.8	102.3	100.0	98.3	96.9	101.2	98.2
Power-generating machinery & equipment	188	99.8	99.0	100.0	100.7	101.4	105.2	105.3
Machinery specialized for particular industries	397	104.8	100.5	100.0	98.8	99.6	97.4	90.8
Metalworking machinery	28	112.0	106.8	100.0	100.0	101.6	105.3	108.2
General industrial machinery	243	101.7	98.4	100.0	98.9	99.7	105.1	105.8
Office machines & data-processing machines	680	112.7	100.9	100.0	96.1	96.5	105.1	104.2
Telecommunication apparatus	336	116.9	107.6	100.0	96.0	90.6	89.3	85.6
Electrical machinery apparatus nes, electrical parts	2,582	107.3	102.9	100.0	98.7	96.2	101.1	97.3
Road vehicles	141	102.2	98.2	100.0	101.7	106.6	109.5	111.0

(continued on the next page)

1 The weights for the Export Price Index are compiled based on the value of the commodity item exported in 2012.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12115>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12101>

21.8 EXPORT PRICE INDEX *(continued)*

(2012 =100)

Item	Weights ¹	2010	2011	2012	2013	2014	2015	2016
Miscellaneous Manufactured Articles	796	103.2	99.8	100.0	96.0	93.6	97.8	101.4
Prefabricated building, sanitary plumbing, lighting	6	107.6	107.6	100.0	102.7	113.8	112.9	115.9
Furniture, bedding, mattresses, cushions & others	5	95.0	96.4	100.0	104.0	104.6	104.8	106.5
Travel goods, handbags & similar containers	11	106.7	98.3	100.0	108.1	117.3	123.0	123.4
Articles of apparel & clothing accessories	33	98.8	99.8	100.0	100.3	100.9	102.2	102.2
Footwear	8	94.4	98.3	100.0	100.1	100.5	102.0	102.1
Professional scientific & controlling instruments	264	102.4	99.4	100.0	98.7	97.4	104.8	106.4
Photographic & optical goods nes; watches & clocks	86	103.1	97.4	100.0	98.8	97.9	96.1	93.9
Miscellaneous mfd articles nes	383	104.9	100.7	100.0	92.5	88.1	91.9	98.6

1 The weights for the Export Price Index are compiled based on the value of the commodity item exported in 2012.

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12115>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12101>

21.9 CONSTRUCTION MATERIAL MARKET PRICES

Material	Unit	2010	2011	2012	2013	2014	2015	2016
Cement in bulk (Ordinary Portland Cement)	\$/Tonne	89.14	93.78	100.87	100.23	97.93	92.97	82.95
Steel Bars ¹ (16-32 mm High Tensile)	\$/Tonne	833.41	931.26	887.13	766.90	653.90	501.40	500.52
Granite ² (20 mm Aggregate)	\$/Tonne	19.63	21.58	21.26	20.61	22.45	19.71	15.43
Concreting Sand ²	\$/Tonne	28.19	25.96	24.10	22.99	23.25	22.68	18.30
Ready Mixed Concrete ³	\$/m ³	95.44	108.99	110.23	106.85	111.15	99.47	85.01

Source : Building and Construction Authority

- 1 Between January 2009 and December 2014, the market prices of steel bars are based on fixed price supply contracts with contract period of 6 months or less.
With effect from January 2015, the market prices of steel bars are based on fixed price supply contracts with contract period of 1 year or less.
- 2 The market prices of granite and concreting sand exclude delivery charges to concrete batching plants.
- 3 The market prices of ready mixed concrete are based on contracts with non-fixed price, fixed price and market retail price for "Grade 40 Pump".

Download times series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=957>

21.10

PRICE INDEX OF HOUSING & DEVELOPMENT BOARD RESALE FLATS

(1st Quarter 2009 = 100)

(End of Period)

	2010	2011	2012	2013	2014	2015	2016
Resale Price Index	124.4	137.7	146.7	145.8	137.0	134.8	134.6

Source : Housing & Development Board

Notes : The index is based on quarterly average resale price by date of registration. The index prior to 4Q 2014 was computed using stratification method, while that from 4Q 2014 is computed using stratified hedonic regression method.

Indices prior to 4Q 2014 have been rescaled to the new base period at 1Q 2009.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2487>

21.11

PRIVATE PROPERTY PRICE INDEX BY TYPE OF PROPERTY
(End of Period)

Type of Property	2010	2011	2012	2013	2014	2015	2016
(1st Quarter 2009 = 100)							
Residential ¹	139.2	147.4	151.5	153.2	147.0	141.6	137.2
Landed	155.1	171.0	177.0	177.1	167.6	160.8	153.6
Non-Landed	135.0	141.2	144.8	147.6	142.5	137.4	133.8
(4th Quarter 1998 = 100)							
Commercial ²							
Office Space	109.4	124.5	126.2	132.8	138.8	138.6	134.7
Retail Space ³	na	121.4	123.8	129.5	130.7	129.6	122.6
(4th Quarter 2012 = 100)							
Industrial ⁴	62.5	79.5	100.0	103.2	106.8	105.0	95.4
Multiple-User Factory ⁵	63.2	80.3	100.0	103.2	107.7	105.9	98.7
Single-User Factory ⁶	74.6	87.8	100.0	97.8	99.0	97.2	85.4

Sources : Urban Redevelopment Authority

JTC Corporation (With effect from 4Q 2013, for data pertaining to industrial properties)

- 1 Data are computed using stratified hedonic regression method. The sum of values of transactions from 1Q 2014 to 1Q 2015 is used as weights to compute the index. Prior to 3Q 2016, data are compiled based on transaction prices given in contracts submitted for stamp duty payment and data provided by licensed developers on new units sold. From 3Q 2016, net prices of units sold by de-licensed developers are included as well.
- 2 The weights used to compute the index are updated every quarter.
- 3 With effect from 1Q 2014, the coverage of shop space statistics has been expanded to include non-shop retail uses (i.e. food & beverage (F&B), entertainment and health & fitness) and referenced as 'retail space'.
- 4 Prior to 4Q 2014, the price index was computed based on transactions of multiple-user factories in the Central region and island-wide multiple-user warehouses, with weights updated every quarter using past 12 quarters' transaction values. From 4Q 2014, the price index is computed based on island-wide transactions of multiple-user factories and single-user factories. From 4Q 2014 to 4Q 2015, the weights were fixed using 2012 transaction values. From 1Q 2016, the weights are fixed using 2015 transaction values. The price index is also re-scaled to 100 at 4Q 2012.
- 5 Prior to 4Q 2014, the price index was computed based on transactions of multiple-user factories in the Central region. From 4Q 2014, the scope of the price index is expanded to include transactions outside the Central region. From 4Q 2014 to 4Q 2015, the weights were fixed using 2012 transaction values. From 1Q 2016, the weights are fixed using 2015 transaction values. The price index is also re-scaled to 100 at 4Q 2012.
- 6 The price index is computed using fixed weights based on 2009 transaction values prior to 1Q 2013. From 1Q 2013 to 4Q 2015, the weights were fixed using 2012 transaction values. From 1Q 2016, the weights are fixed using 2015 transaction values.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4299>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5203>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=2967>

21.12

**PRICE INDICES OF NON-LANDED PRIVATE RESIDENTIAL PROPERTIES
BY LOCALITY AND COMPLETION STATUS ¹**

(1st Quarter 2009 = 100)

(End of Period)

	2010	2011	2012	2013	2014	2015	2016
Core Central Region ²	133.9	139.2	140.3	137.6	131.9	128.6	127.0
Rest of Central Region ³	145.9	152.5	155.0	154.8	146.6	140.3	136.4
Outside Central Region	138.6	149.2	158.9	169.3	165.6	159.4	154.0

Source : Urban Redevelopment Authority

Notes : Map of Central Region and areas in Core Central Region are available in the Urban Redevelopment Authority's website.

1 Data are computed using stratified hedonic regression method.

The sum of values of transactions from Q1 2014 to Q1 2015 is used as weights to compute the index.

Prior to 2016, data are compiled based on transaction prices given in contracts submitted for stamp duty payment given and data provided by licensed developers on new units sold. With effect from 2016, data are compiled based on transaction prices in contract submitted for stamp duty payment, and data provided by both licensed and de-licensed developers on new units sold.

2 Refers to Postal Districts 9, 10, 11, Downtown Core and Sentosa.

3 Refers to Central Region outside postal districts 9, 10, 11, Downtown Core and Sentosa.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=4097>

21.13

COMMERCIAL PROPERTY RENTAL INDEX BY TYPE OF PROPERTY

(4th Quarter 1998 =100)

(End of Period)

Type of Property	2010	2011	2012	2013	2014	2015	2016
Office Space ¹							
Central Region	159.4	172.8	170.5	172.8	189.8	177.4	162.8
Central Area	163.6	176.8	173.7	176.9	196.2	183.8	168.6
Fringe Area	131.5	142.7	143.1	143.9	154.4	144.8	133.6
Retail Space ²							
Central Region	na	118.9	118.3	117.3	118.4	113.5	104.1
Central Area	na	121.6	120.3	119.3	120.8	115.2	105.1
Fringe Area	na	108.9	109.8	110.5	111.8	108.8	101.6

Source : Urban Redevelopment Authority

Notes : Data refer to properties owned by the private sector.

The weights used to compute the index are updated every quarter from 4th Quarter 1998.

1 Rental indices are computed from data on rentals provided by the Inland Revenue Authority of Singapore.

2 With effect from 2014, the coverage of shop space statistics has been expanded to include non-shop retail uses (i.e. food & beverage (F&B), entertainment and health & fitness) and referenced as 'retail space'.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1687><http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1688>

22



Education and Literacy



Singapore's education system aims to bring out the best in every child by enabling students to discover their talents, realise their full potential, and develop a passion for life-long learning. There are multiple educational pathways catering to students with different strengths, interests and learning styles, developing each child to his full potential.

The bilingual policy is a cornerstone of Singapore's education system. It requires students to offer two languages: English Language and a Mother Tongue Language. The learning of the Mother Tongue Language reinforces cultural identity and enables Singaporeans to connect with communities across Asia and the world who speak the same language or share similar culture.

Schools in Singapore provide a rich diversity of learning experiences for students. On top of building a strong foundation in literacy and numeracy, students are developed holistically in the physical, aesthetic, moral, social and emotional spheres.

Primary Education

At the primary level, students go through a six-year course designed to give them a strong educational foundation. This includes developing language and numeracy skills, building character and nurturing sound values and good habits.

At the end of Primary 6, students take the Primary School Leaving Examination (PSLE), which places them in the secondary school course that matches their learning pace and aptitude.

Secondary Education

At the secondary level, three core courses, namely Express Course, Normal (Academic) course and Normal (Technical) Course are offered to match students' learning needs.

Specialised Schools, Specialised Schools for Normal (Technical) Students, Specialised Independent Schools, Independent Schools and schools which offer the Integrated Programme form the diverse secondary school landscape, to suit the unique needs of every child. In addition, all secondary schools have distinctive programmes to better support students' interests and talents.

Post-Secondary Education

After Secondary 4 or Secondary 5, most students proceed to one of the following post-secondary educational institutions:

Junior Colleges/Centralised Institute

Students can apply for pre-university education at the junior colleges (two-year course) or the centralised institute (three-year course) leading to the Singapore-Cambridge General Certificate of Education (GCE) A-Level exam.

Polytechnics

Students with O-Level certificates, the National ITE Certificate (*Nitec*) or *Higher Nitec* qualifications may apply for full-time diploma courses at any of the five polytechnics. Those with other qualifications such as A-Level certificates may also be considered. Students with N-Level certificates may apply for a place in the polytechnics through the Polytechnic Foundation Programme, which admits students to the foundation year of a specific diploma course. The polytechnics offer a wide range of courses that equip students for careers in diverse fields.

Institute of Technical Education (ITE)

Students with O- or N-Level certificates can opt for full-time courses at the ITE. These courses lead to the *Nitec* or the *Higher Nitec* qualifications. ITE taps on industry expertise to

Education and Literacy ■

ensure its graduates are well-equipped with skills needed by industries.

Arts Institutions

Students with O-Level certificates, *Nitec* or *Higher Nitec* qualifications may apply for diploma courses offered by the LASALLE College of the Arts and the Nanyang Academy of Fine Arts (NAFA). These institutions offer a range of publicly-funded full-time and diploma programmes in the visual and performing arts. They also offer a range of full-time degree programmes for students who are interested in pursuing visual or performing arts at a higher level.

Universities

Today, there are six publicly-funded universities.

National University of Singapore (NUS)

NUS is a research-intensive university with 16 faculties and schools, including a music conservatory. Aside from traditional undergraduate programmes, NUS also offers inter-disciplinary academic experience through its University Scholars Programme, and the liberal arts degree programme offered by the Yale-NUS college. In addition, it offers a wide range of graduate programmes, including that in the Duke-NUS Medical School and the Lee Kuan Yew School of Public Policy.

Nanyang Technological University (NTU)

NTU is a comprehensive, research-intensive university, with a strong focus on engineering, science and technology. It is made up of five Colleges and five autonomous entities including the National Institute of Education which conducts professional training for teachers. NTU's Lee Kong Chian School of Medicine was established in collaboration with Imperial College London and admitted its first batch of medical students in 2013.

Singapore Management University (SMU)

SMU offers undergraduate and postgraduate programmes across its six schools in accountancy, business, law, social sciences, economics and information systems. SMU is known for its interactive pedagogy of seminar-style teaching in small class sizes.

Singapore University of Technology & Design (SUTD)

SUTD was established in collaboration with the Massachusetts Institute of Technology and Zhejiang University. It is a small, top-tier research-intensive university focusing on design education in engineering and architecture, and hosts an International Design Centre (IDC) that conducts research on technologically-intensive design.

Singapore Institute of Technology (SIT)

SIT is one of the pioneers of the applied degree pathway, with a focus on science and technology. It offers its own applied degrees, as well as degree programmes in partnership with reputable overseas universities that have a strong emphasis on practice-oriented learning, a strong nexus with industry, and integration of work and study.

Singapore University of Social Sciences (SUSS)

SUSS became Singapore's sixth Autonomous University in 2017. It provides an applied education that targets both fresh school leavers and adult learners, in the domain of the social sciences, as well as in disciplines that have a strong impact on human and community development.

Lifelong Learning

Working adults who wish to deepen their skills or acquire new ones can undergo continual learning in post-secondary education institutions. These institutions provide a wide range of learning options, which help to

Education and Literacy ■

address manpower and skills gaps and enable the workforce to stay employable amidst rapid shifts in the economic landscape.

ITE offers part-time *Nitec*, *Higher Nitec*, *Specialist Nitec*, and ITE Skills Certificate courses. For adult learners who wish to resume or continue with academic upgrading at the secondary level, ITE offers MOE-subsidised lessons for Secondary One Normal to N- and O-Levels under its General Education Programme.

The polytechnics offer part-time programmes at diploma and post-diploma levels.

Similarly, the universities also offer part-time degree courses at both undergraduate and postgraduate levels. In addition, ITE, polytechnics and universities offer tailored modular training which adult learners can access more flexibly.

Education Profile and Key Educational Indicators

The education composition of the population is commonly associated with its highest qualification attained. Specifically, based on the highest educational level that a person has attained, the population can be broadly divided into five categories, namely “Below Secondary”, “Secondary”, “Post-Secondary (Non-Tertiary)”, “Diploma & Professional Qualification” and “University”.

The highest qualification attained statistics are collected annually in the Census of Population and General Household Survey conducted by the Department of Statistics (DOS) or the mid-year Labour Force Survey conducted by the Ministry of Manpower. Data pertain to residents who are not attending educational institutions as full-time students.

Other key educational indicators, namely mean years of schooling and literacy rate, are also compiled annually for the resident

population. These indicators are commonly used internationally as an indication of the educational development of the population.

Definitions

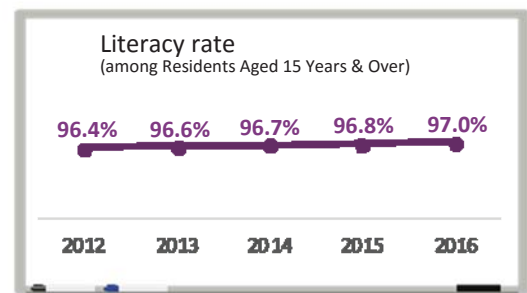
Highest Qualification Attained: Refers to the highest grade or standard a person has passed or the highest level where a certificate, diploma, or degree is awarded. The Singapore Standard Educational Classification is used to classify persons by highest qualification attained.

Mean Years of Schooling: Refers to the years of education a person received on average.

Mean Years of Schooling in 2016
(among Residents Aged 25 Years & Over)



Literacy Rate: Refers to the proportion of population who is literate.



Other References

The Ministry of Education (MOE) publishes detailed education statistics which can be found in “[Education Statistics Digest 2017](#)”. An overview of Singapore’s education system is also available from the MOE [website](#).

Statistics on the highest qualification attained by the resident population, mean years of schooling and literacy rates are available in the annual report “[Population Trends](#)” published by DOS.

22.1 ENROLMENT IN EDUCATIONAL INSTITUTIONS

	2010	2011	2012	2013	2014	2015	Number 2016
Total	702,567	693,268	685,841	675,034	668,697	661,365	651,655
Primary Schools	263,906	258,293	252,735	244,045	241,683	239,102	238,140
Secondary Schools	214,388	207,974	202,520	197,165	190,107	186,036	180,000
Junior Colleges ¹	32,420	32,296	32,087	32,165	31,613	29,559	28,442
Institute of Technical Education ²	24,789	25,279	25,370	26,288	28,036	29,295	27,519
Arts Institutions ³	4,023	3,860	4,702	4,631	4,441	4,600	4,901
Polytechnics ⁴	83,542	84,988	86,016	87,785	87,636	85,562	82,808
National Institute of Education ⁵	4,965	4,452	4,429	3,793	3,853	3,317	3,263
Universities ⁶	74,534	76,126	77,982	79,162	81,328	83,894	86,582

Sources : Ministry of Education, Institute of Technical Education, LASALLE College of the Arts, Nanyang Academy of Fine Arts, Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic, Republic Polytechnic, National Institute of Education, National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design and SIM University.

Notes : Data for primary and secondary schools, junior colleges and universities exclude private schools or institutions.

- 1 Includes Centralised Institute.
- 2 Refers to full-time peak student enrolment.
- 3 Refers to students in full-time diploma and degree (from 2011) courses offered by LASALLE College of the Arts and Nanyang Academy of Fine Arts.
- 4 Refers to students in full-time and part-time polytechnic diploma and advanced diploma courses offered by Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic. Students enrolled in Polytechnic Foundation Programme are excluded.
- 5 Refers to students in full-time and part-time diploma, postgraduate diploma and higher degree courses.
- 6 Refers to full-time and part-time undergraduate and postgraduate students in National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology (from 2010), Singapore University of Technology and Design (from 2011) and full-time undergraduates in SIM University (from 2014).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=6567>

22.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, 2016

	Instituti- ons	Number					
		Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	382	651,655	335,648	316,007	50,190	20,405	29,785
Primary Schools	185	230,989	118,663	112,326	14,997	2,887	12,110
Secondary Schools	150	160,909	81,146	79,763	13,350	4,744	8,606
Mixed Levels ¹	16	36,425	19,566	16,859	3,045	1,161	1,884
Junior Colleges ²	14	18,259	8,430	9,829	1,986	812	1,174
Institute of Technical Education	3	27,519	17,173	10,346	1,787	1,126	661
Arts Institutions ³	2	4,901	1,438	3,463	887	522	365
Polytechnics ⁴	5	82,808	43,511	39,297	5,707	3,226	2,481
National Institute of Education	1	3,263	1,056	2,207	348	187	161
Universities ⁵	6	86,582	44,665	41,917	8,083	5,740	2,343

Sources : Ministry of Education, Institute of Technical Education, LASALLE College of the Arts, Nanyang Academy of Fine Arts, Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic, Republic Polytechnic, National Institute of Education, National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design and SIM University.

Notes : Data for primary and secondary schools, junior colleges and universities exclude private schools or institutions. Except for the Institute of Technical Education, data for institutions of higher learning include part-time students and teachers.

- 1 Refers to institutions that offer multiple educational levels, namely: primary & secondary (P1-S4/5) and secondary & junior college (S1-JC2).
- 2 Includes Centralised Institute.
- 3 Refers to LASALLE College of the Arts and Nanyang Academy of Fine Arts. Data refer to students in full-time diploma and degree courses.
- 4 Refers to Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic. Data for students exclude those enrolled in Polytechnic Foundation Programme.
- 5 Refers to National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design and SIM University. Data for students in SIM University refer to full-time undergraduates and data on teachers in SIM University are not available.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6632>

22.3

**ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED PRIMARY SCHOOLS
BY LEVEL AND AGE**

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	263,906	258,293	252,735	244,045	241,683	239,102	238,140
Level							
Primary 1	39,595	39,295	39,582	40,168	40,927	40,063	38,904
Primary 2	42,405	39,492	39,258	39,407	40,179	40,774	40,077
Primary 3	43,022	42,542	39,610	39,273	39,440	40,199	40,733
Primary 4	48,418	43,165	42,652	39,510	39,252	39,461	40,136
Primary 5	45,141	48,281	43,042	42,384	39,277	39,094	39,252
Primary 6	45,325	45,518	48,591	43,303	42,608	39,511	39,038
Age (in years)							
Under 7	38,634	38,640	38,952	39,576	40,444	39,720	38,481
7 & Under 8	41,785	38,944	38,975	39,157	39,879	40,538	40,013
8 & Under 9	42,395	41,833	39,020	38,968	39,131	39,765	40,487
9 & Under 10	47,990	42,440	41,901	38,973	38,953	39,081	39,655
10 & Under 11	44,376	48,045	42,436	41,743	38,840	38,931	38,949
11 & Under 12	44,094	44,211	47,889	42,167	41,505	38,632	38,710
12 & Under 13	3,204	2,917	2,620	2,601	2,217	1,928	1,453
13 & Under 14	1,062	1,021	781	741	654	466	351
14 & Over	366	242	161	119	60	41	41

Source : Ministry of Education

Notes : Age is as at the start of the year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6580>

22.4

**ENROLMENT IN GOVERNMENT, GOVERNMENT-AIDED,
INDEPENDENT, SPECIALISED INDEPENDENT AND SPECIALISED SECONDARY
SCHOOLS AND JUNIOR COLLEGES BY LEVEL AND AGE**

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	246,808	240,270	234,607	229,330	221,720	215,595	208,442
Level							
Secondary 1	48,670	45,213	45,198	48,094	42,969	42,217	39,550
Special	na	na	na	na	na	na	na
Express	29,785	27,732	27,293	28,870	27,490	26,736	24,613
Normal (Academic)	12,394	11,436	11,848	12,747	9,873	9,972	10,033
Normal (Technical)	6,491	6,045	6,057	6,477	5,606	5,509	4,904
Secondary 2	50,935	49,356	45,705	45,548	48,328	43,256	42,477
Special	na	na	na	na	na	na	na
Express	31,296	30,226	28,038	27,671	29,241	27,719	26,976
Normal (Academic)	12,978	12,882	11,825	12,132	12,973	10,141	10,248
Normal (Technical)	6,661	6,248	5,842	5,745	6,114	5,396	5,253
Secondary 3	53,178	52,961	50,795	46,715	46,712	49,202	44,250
Special	na	na	na	na	na	na	na
Express	32,933	32,869	31,387	28,897	28,619	30,007	28,387
Normal (Academic)	14,048	13,579	13,324	12,144	12,447	13,222	10,614
Normal (Technical)	6,197	6,513	6,084	5,674	5,646	5,973	5,249
Secondary 4	52,073	51,263	51,325	49,190	45,183	45,413	47,869
Special	4,053	na	na	na	na	na	na
Express	28,356	31,984	32,011	30,585	28,293	28,115	29,444
Normal (Academic)	13,003	13,307	13,084	12,776	11,446	11,784	12,533
Normal (Technical)	6,661	5,972	6,230	5,829	5,444	5,514	5,892
Secondary 5 Normal (Academic)	9,532	9,181	9,497	7,618	6,915	5,948	5,854
Junior College 1 / Pre-U 1	16,898	16,746	16,727	16,890	15,937	14,512	14,602
Junior College 2 / Pre-U 2	15,165	15,203	15,023	14,973	15,386	14,675	13,455
Pre-U 3	357	347	337	302	290	372	385
Age (in years)							
Under 13	45,019	41,329	41,639	45,172	39,910	39,483	37,139
13 & Under 14	48,563	47,236	43,466	43,450	47,056	41,587	41,011
14 & Under 15	49,740	49,819	48,216	44,159	44,160	47,723	42,044
15 & Under 16	51,604	50,726	50,415	48,542	44,426	44,343	47,901
16 & Under 17	28,836	28,274	28,366	26,209	24,837	22,433	22,213
17 & Under 18	17,916	17,915	17,658	17,220	16,774	16,029	14,514
18 & Under 19	3,787	3,772	3,704	3,598	3,578	3,173	2,880
19 & Under 20	1,119	998	947	855	836	696	617
20 & Over	224	201	196	125	143	128	123

Source : Ministry of Education

Notes : The Special and Express streams were merged, starting from Secondary 1, 2008.

Normal (Technical) includes students on ITE Skill Certificate (ISC) Courses.

Age is as at the start of the year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6575>

22.5

ENROLMENT IN POLYTECHNIC DIPLOMA COURSES BY TYPE OF COURSE

Type of Course	Number						
	2010	2011	2012	2013	2014	2015	2016
MALES	42,960	43,427	44,092	45,299	44,893	43,235	41,287
Education	36	50	54	79	69	71	75
Applied Arts ¹	2,387	2,503	2,637	2,546	2,685	2,287	2,172
Humanities & Social Sciences	625	843	966	1,053	1,092	274	262
Mass Communication & Information Science	516	523	513	522	519	537	484
Business & Administration ²	6,931	6,822	6,906	7,440	7,414	6,624	6,284
Legal Studies	156	176	211	221	223	218	203
Science & Related Technologies	1,605	1,774	1,764	1,818	1,852	1,823	1,773
Health Sciences	1,869	1,868	1,880	1,812	1,830	2,203	2,102
Information Technology	6,758	6,880	7,048	7,263	7,085	6,503	6,107
Architecture & Building ³	951	817	903	986	1,010	934	832
Engineering Sciences	20,486	20,450	20,252	20,426	19,405	19,234	18,567
Services ⁴	640	721	958	1,133	1,709	2,527	2,426
FEMALES	37,940	38,508	38,773	39,541	39,407	38,518	36,841
Education	737	815	886	966	960	1,067	1,407
Applied Arts ¹	3,054	3,104	3,346	3,389	3,448	3,186	3,064
Humanities & Social Sciences	850	1,109	1,248	1,284	1,307	773	758
Mass Communication & Information Science	1,215	1,283	1,182	1,328	1,413	1,496	1,436
Business & Administration ²	11,055	11,007	11,139	11,881	12,267	10,968	10,425
Legal Studies	245	276	340	331	312	312	308
Science & Related Technologies	2,647	2,846	2,971	2,990	3,046	2,881	2,723
Health Sciences	5,860	5,879	5,621	5,468	5,219	5,803	5,704
Information Technology	5,002	4,963	4,823	4,541	4,226	3,644	3,186
Architecture & Building ³	1,067	1,063	1,185	1,310	1,329	1,283	1,207
Engineering Sciences	5,846	5,722	5,472	5,385	4,920	5,253	4,892
Services ⁴	362	441	560	668	960	1,852	1,731

Sources : Ministry of Education (from 2011), Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic.

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.
Covers full-time and part-time polytechnic diploma courses.
Data include students who are concurrently enrolled in advanced diploma courses.

1 Includes Digital Media Design and Media Production.

2 Includes Accountancy.

3 Includes Real Estate.

4 Includes Maritime Transportation, Nautical Studies and Police Studies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=6574>

22.6

ENROLMENT IN UNIVERSITY FIRST DEGREE COURSES BY TYPE OF COURSE

Type of Course	2010	2011	2012	2013	2014	2015	2016
MALES	28,375	29,500	30,447	30,863	31,800	32,702	34,010
Education	465	468	420	317	258	207	169
Applied Arts ¹	469	539	586	628	641	665	670
Humanities & Social Sciences	3,121	3,242	3,327	3,550	3,756	3,861	4,046
Mass Communication	185	183	184	173	174	174	178
Accountancy	1,321	1,627	1,685	1,768	1,912	2,039	2,181
Business & Administration	2,688	2,543	2,705	2,782	2,980	3,111	3,284
Law	640	706	757	755	799	844	853
Natural, Physical & Mathematical Sciences	3,159	3,340	3,258	3,140	3,223	3,237	3,300
Medicine	685	681	695	725	784	860	933
Dentistry	76	79	81	83	84	85	75
Health Sciences	281	319	345	387	422	441	525
Information Technology	2,178	2,465	2,617	2,737	2,809	3,071	3,352
Architecture & Building ²	669	694	710	760	777	784	775
Engineering Sciences	12,326	12,362	12,732	12,687	12,895	12,971	13,314
Services ³	112	252	345	371	286	352	355
FEMALES	28,742	29,209	30,309	30,943	32,063	33,412	34,266
Education	1,376	1,369	1,189	1,021	845	771	583
Applied Arts ¹	607	640	761	864	937	934	958
Humanities & Social Sciences	6,573	6,447	6,760	7,095	7,535	8,054	8,449
Mass Communication	490	490	494	529	555	602	596
Accountancy	1,882	2,244	2,316	2,274	2,456	2,684	2,909
Business & Administration	3,738	3,237	3,368	3,406	3,597	4,027	4,230
Law	783	742	717	736	715	706	740
Natural, Physical & Mathematical Sciences	4,481	4,482	4,625	4,715	4,922	4,989	4,967
Medicine	620	647	679	744	801	859	912
Dentistry	108	111	120	124	132	134	145
Health Sciences	783	820	948	1,054	1,076	1,126	1,335
Information Technology	1,029	1,178	1,236	1,321	1,343	1,504	1,513
Architecture & Building ²	1,117	1,163	1,119	1,123	1,213	1,189	1,205
Engineering Sciences	4,968	5,064	5,275	5,386	5,543	5,460	5,342
Services ³	187	575	702	551	393	373	382

Sources : Ministry of Education (from 2011), National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology (from 2010), Singapore University of Technology and Design (from 2012) and SIM University (from 2014).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.
Covers full-time and part-time first degree courses.

1 Includes Industrial Design.

2 Includes Real Estate.

3 Includes Maritime Studies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6566>

22.7

GRADUATES FROM POLYTECHNIC DIPLOMA COURSES BY TYPE OF COURSE

Type of Course	Number						
	2010	2011	2012	2013	2014	2015	2016
MALES	11,595	12,455	12,819	13,213	13,602	13,632	13,693
Education	7	5	16	12	21	20	30
Applied Arts ¹	489	573	704	783	725	731	759
Humanities & Social Sciences	92	151	188	258	315	86	92
Mass Communication & Information Science	156	163	201	175	162	174	203
Business & Administration ²	1,662	2,080	2,098	2,118	2,306	2,171	2,273
Legal Studies	35	46	43	66	62	59	66
Science & Related Technologies	407	446	546	547	555	577	590
Health Sciences	380	514	576	612	594	622	661
Information Technology	2,075	2,163	2,096	2,062	2,133	2,156	2,051
Architecture & Building ³	221	268	241	277	272	319	323
Engineering Sciences	5,826	5,816	5,870	5,938	5,990	5,946	5,838
Services ⁴	245	230	240	365	467	771	807
FEMALES	10,619	11,314	12,011	12,189	12,354	12,378	12,573
Education	167	200	202	302	273	298	292
Applied Arts ¹	703	770	855	963	995	977	1,024
Humanities & Social Sciences	183	278	289	369	388	257	261
Mass Communication & Information Science	325	348	452	463	393	470	498
Business & Administration ²	3,034	3,364	3,462	3,490	3,598	3,639	3,655
Legal Studies	90	68	90	126	87	87	92
Science & Related Technologies	663	732	845	922	931	923	914
Health Sciences	1,619	1,678	1,971	1,868	1,843	1,697	1,895
Information Technology	1,493	1,610	1,589	1,513	1,488	1,300	1,281
Architecture & Building ³	318	297	271	353	435	396	420
Engineering Sciences	1,917	1,861	1,856	1,672	1,656	1,718	1,650
Services ⁴	107	108	129	148	267	616	591

Sources : Ministry of Education (from 2011), Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic.

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.
Covers full-time and part-time polytechnic diploma courses.
Data refer to academic year.

1 Includes Digital Media Design and Media Production.

2 Includes Accountancy.

3 Includes Real Estate.

4 Includes Maritime Transportation, Nautical Studies and Police Studies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6579>

22.8

GRADUATES FROM UNIVERSITY FIRST DEGREE COURSES BY TYPE OF COURSE

Type of Course							Number
	2010	2011	2012	2013	2014	2015	2016
MALES	6,496	6,428	6,778	7,724	7,756	7,872	7,703
Education	67	103	116	167	124	99	79
Applied Arts ¹	84	84	108	138	165	187	173
Humanities & Social Sciences	703	708	737	818	803	743	803
Mass Communication	30	41	37	62	44	42	35
Accountancy	380	332	447	399	473	480	439
Business & Administration	674	633	572	693	631	771	751
Law	139	121	140	189	180	187	178
Natural, Physical & Mathematical Sciences	568	619	837	870	786	790	755
Medicine	134	136	129	134	134	137	131
Dentistry	16	16	21	21	15	19	25
Health Sciences	39	42	61	95	124	128	112
Information Technology	419	388	484	573	708	689	670
Architecture & Building ²	97	121	155	143	146	188	185
Engineering Sciences	3,117	3,060	2,880	3,286	3,288	3,258	3,283
Services ³	29	24	54	136	135	154	84
FEMALES	6,300	7,281	7,228	8,085	7,620	7,638	8,192
Education	262	303	526	422	401	317	341
Applied Arts ¹	121	132	149	152	229	233	259
Humanities & Social Sciences	1,474	1,772	1,494	1,766	1,619	1,450	1,760
Mass Communication	147	133	133	100	114	130	153
Accountancy	554	507	589	688	649	556	664
Business & Administration	859	944	825	897	846	848	969
Law	90	208	207	179	176	168	173
Natural, Physical & Mathematical Sciences	1,091	1,217	1,074	1,257	1,103	1,145	1,195
Medicine	94	119	123	124	127	115	147
Dentistry	25	26	21	27	30	32	28
Health Sciences	196	213	218	296	309	353	368
Information Technology	154	195	280	251	289	377	381
Architecture & Building ²	178	247	241	258	258	351	274
Engineering Sciences	1,020	1,215	1,213	1,323	1,251	1,375	1,385
Services ³	35	50	135	345	219	188	95

Sources : Ministry of Education (from 2011), National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology (from 2012) and Singapore University of Technology and Design (from 2015).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.
Covers full-time and part-time first degree courses.
Data refer to academic year.

1 Includes Industrial Design.

2 Includes Real Estate.

3 Includes Maritime Studies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6570>

22.9

ENROLMENT IN POLYTECHNIC ADVANCED DIPLOMA COURSES BY
TYPE OF COURSE

Type of Course	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	2,642	3,053	3,151	2,945	3,336	3,809	4,680
Education	82	186	239	376	281	357	388
Applied Arts ¹	92	51	78	22	48	71	132
Humanities & Social Sciences	105	94	128	105	121	27	46
Business & Administration ²	633	521	533	472	491	479	502
Science & Related Technologies	202	180	148	118	197	176	264
Health Sciences	646	1,133	1,203	1,120	1,120	1,176	1,177
Information Technology	302	313	288	415	572	886	1,370
Architecture & Building ³	36	35	42	37	62	61	87
Engineering Sciences	492	482	427	222	439	556	589
Services ⁴	52	58	65	58	5	20	125

Sources : Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic.

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.

Covers full-time and part-time post diploma, advanced diploma, management diploma, specialist diploma and postgraduate diploma courses.

Includes students who are concurrently enrolled in diploma courses.

1 Includes Digital Media Design and Media Production.

2 Includes Accountancy.

3 Includes Real Estate.

4 Includes Maritime Transportation and Police Studies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6577>

22.10

ENROLMENT IN HIGHER DEGREE COURSES BY TYPE OF COURSE

Type of Course							Number
	2010	2011	2012	2013	2014	2015	2016
Total ¹	19,566	19,289	19,040	19,137	19,198	19,548	20,079
Education	1,549	1,351	1,266	1,273	1,229	1,364	1,397
Humanities & Social Sciences	1,977	1,869	1,957	2,085	2,133	2,104	2,148
Mass Communication	380	358	381	348	364	390	364
Business & Administration ²	2,808	2,809	2,746	2,997	3,014	3,302	3,806
Law	244	299	305	289	275	281	262
Natural, Physical & Mathematical Sciences	2,741	2,793	2,764	2,398	2,317	2,247	2,182
Health Sciences ³	1,199	1,493	1,447	1,495	1,562	1,562	1,414
Information Technology	1,537	1,380	1,273	1,384	1,626	1,685	1,861
Architecture & Building ⁴	581	588	590	489	466	458	529
Engineering Sciences	6,354	6,151	6,119	6,229	6,059	5,967	5,902
Services	190	191	179	105	104	149	143
Others	6	7	13	12	27	36	41

Sources : National Institute of Education, National University of Singapore, Nanyang Technological University, Singapore Management University and Singapore University of Technology and Design (from 2011).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.
Covers full-time and part-time postgraduate diploma and higher degree courses offered by National University of Singapore, Nanyang Technological University, Singapore Management University and Singapore University of Technology and Design, and higher degree courses offered by National Institute of Education.

1 With effect from 2013, there are courses whose main field of study is not elsewhere classifiable.

2 Includes Accountancy.

3 Includes Medicine, Dentistry, Pharmacy and Nursing.

4 Includes Real Estate.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=6578>

22.11

GRADUATES FROM POLYTECHNIC ADVANCED DIPLOMA COURSES BY
TYPE OF COURSE

Type of Course							Number
	2010	2011	2012	2013	2014	2015	2016
Total	1,766	2,258	2,063	2,012	1,610	1,945	2,216
Education	140	177	152	215	123	164	182
Applied Arts ¹	19	51	43	16	12	33	53
Humanities & Social Sciences	24	60	66	56	50	0	24
Business & Administration ²	436	389	427	251	209	206	157
Science & Related Technologies	86	170	147	81	63	92	138
Health Sciences	509	631	653	773	640	720	694
Information Technology	224	281	141	158	245	384	573
Architecture & Building ³	3	30	28	41	38	31	37
Engineering Sciences	273	419	353	370	225	314	271
Services ⁴	52	50	53	51	5	1	87

Sources : Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic.

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.

Covers full-time and part-time post diploma, advanced diploma, management diploma, specialist diploma and postgraduate diploma courses.

1 Includes Digital Media Design and Media Production.

2 Includes Accountancy.

3 Includes Real Estate.

4 Includes Maritime Transportation and Police Studies.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=6576>

22.12

GRADUATES FROM HIGHER DEGREE COURSES BY TYPE OF COURSE

Type of Course	Number						
	2010	2011	2012	2013	2014	2015	2016
Total ¹	6,794	6,977	7,186	7,514	7,824	7,811	8,280
Education	543	561	459	561	531	406	522
Humanities & Social Sciences	677	731	732	739	855	818	864
Mass Communication	182	189	196	210	193	190	228
Business & Administration ²	1,426	1,452	1,518	1,561	1,738	1,769	1,936
Law	168	168	207	189	173	167	174
Natural, Physical & Mathematical Sciences	383	484	567	558	629	610	618
Health Sciences ³	508	469	633	732	730	778	774
Information Technology	694	706	580	613	682	763	806
Architecture & Building ⁴	263	307	306	252	266	282	326
Engineering Sciences	1,836	1,797	1,896	1,989	1,947	1,905	1,933
Services	107	106	92	83	66	100	91
Others	7	7	0	3	4	1	5

Sources : National Institute of Education, National University of Singapore, Nanyang Technological University, Singapore Management University and Singapore University of Technology and Design (from 2013).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 onwards are classified according to SSEC 2015.

Covers full-time and part-time postgraduate diploma and higher degree courses offered by National University of Singapore, Nanyang Technological University, Singapore Management University and Singapore University of Technology and Design, and higher degree courses offered by National Institute of Education.

1 With effect from 2013, there are courses whose main field of study is not elsewhere classifiable.

2 Includes Accountancy.

3 Includes Medicine, Dentistry, Pharmacy and Nursing.

4 Includes Real Estate.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6565>

22.13

ENROLMENT AND GRADUATES OF ARTS INSTITUTION BY COURSE AND LEVEL, 2016

Course/Level	Number					
	Enrolment			Graduates		
	Total	Males	Females	Total	Males	Females
Total	4,901	1,438	3,463	1,290	395	895
Business & Administration						
Diploma	217	52	165	64	14	50
Design & Applied Arts						
Diploma	1,990	545	1,445	477	140	337
Degree	774	184	590	249	61	188
Fine & Applied Arts						
Degree	107	18	89	31	4	27
Fine & Performing Arts						
Diploma	1,137	362	775	266	85	181
Degree	360	126	234	122	42	80
Media Production						
Diploma	196	95	101	51	28	23
Degree	120	56	64	30	21	9

Sources : LASALLE College of the Arts and Nanyang Academy of Fine Arts.

Notes : Covers full-time diploma and degree courses offered by LASALLE College of the Arts and Nanyang Academy of Fine Arts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15186>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15187>

22.14

**INTAKE OF STUDENTS/TRAINEES UNDER THE FULL-TIME INSTITUTIONAL
TRAINING AND TRAINEESHIP PROGRAMMES AND STUDENTS/TRAINEES
WHO COMPLETED THE PROGRAMMES, 2016**

Type of Training/Level	Number					
	Intake of Students/Trainees			Students/Trainees who Completed the Programmes ¹		
	Total	Males	Females	Total	Males	Females
Total	15,142	9,338	5,804	12,800	7,819	4,981
Engineering						
Diploma	80	74	6	48	45	3
Higher National ITE Certificate (<i>Higher Nitec</i>)	2,786	2,182	604	2,265	1,807	458
National ITE Certificate (<i>Nitec</i>)	4,235	3,467	768	3,605	2,984	621
Info-Communications Technology						
Higher National ITE Certificate (<i>Higher Nitec</i>)	835	553	282	744	501	243
National ITE Certificate (<i>Nitec</i>)	1,216	836	380	1,029	694	335
Business & Services						
Diploma	20	12	8	18	11	7
Higher National ITE Certificate (<i>Higher Nitec</i>)	2,334	930	1,404	2,176	774	1,402
National ITE Certificate (<i>Nitec</i>)	3,636	1,284	2,352	2,915	1,003	1,912

Source : Institute of Technical Education

Notes : The Full-time Institutional Training and Traineeship Programmes are offered to school leavers with GCE 'O' and 'N' level qualifications.

1 Refers to the number of students/trainees who graduated from Full-Time Institutional Training and Traineeship Programmes.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=6573>

22.15 TRAINING PLACES TAKEN UP UNDER THE SKILLS TRAINING AND CONTINUING ACADEMIC EDUCATION PROGRAMMES AND PERSONS WHO COMPLETED THE PROGRAMMES, 2016

Type of Training/Level	Number					
	Intake of Students/Trainees			Students/Trainees who Completed the Programmes ¹		
	Total	Males	Females	Total	Males	Females
Total	10,952	7,210	3,742	4,765	2,849	1,916
Skills Training Programme ²	9,148	6,426	2,722	3,912	2,490	1,422
Engineering						
Higher National ITE Certificate (<i>Higher Nitec</i>)	1,589	1,494	95	192	175	17
National ITE Certificate (<i>Nitec</i>)	2,465	2,279	186	528	448	80
ITE Skills Certificate (<i>ISC</i>)	1,464	1,423	41	1,388	1,358	30
Info-Communications Technology						
Higher National ITE Certificate (<i>Higher Nitec</i>)	223	194	29	15	14	1
National ITE Certificate (<i>Nitec</i>)	198	141	57	13	7	6
Business & Services						
Higher National ITE Certificate (<i>Higher Nitec</i>)	863	256	607	79	25	54
National ITE Certificate (<i>Nitec</i>)	1,831	436	1,395	1,078	235	843
ITE Skills Certificate (<i>ISC</i>)	515	203	312	619	228	391
Continuing Academic Education Programme						
Continuing Education (Secondary 1-5)	1,804	784	1,020	853	359	494

Source : Institute of Technical Education

- 1 Refers to number of persons who graduated or completed the Skills Training and Continuing Academic Education programmes.
- 2 Most of the Skills Training programmes are offered in modules of 6 months' duration. A person may attend more than one module a year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6572>

22.16 GOVERNMENT EXPENDITURE ON EDUCATION

Thousand Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Total	9,875,445	10,740,250	10,496,911	11,638,313	11,598,458	11,934,956	12,660,000
Recurrent Expenditure	8,998,709	9,697,793	9,637,312	10,664,868	10,712,445	11,235,741	12,000,000
Primary Schools	1,839,190	1,820,988	1,946,159	2,185,580	2,263,510	2,457,901	2,703,967
Secondary Schools & Junior Colleges ¹	2,568,469	2,517,230	2,680,062	2,912,565	3,001,876	3,106,955	3,186,926
Institute of Technical Education	328,067	346,106	351,658	376,896	399,949	432,961	465,206
Tertiary	3,554,419	4,274,059	3,846,318	4,367,236	4,170,881	4,302,171	4,585,085
Universities ²	2,305,921	2,973,812	2,536,971	2,969,921	2,736,642	2,897,770	3,120,890
National Institute of Education	123,625	119,266	113,312	99,668	94,941	86,526	82,688
Polytechnics ³	1,124,873	1,180,981	1,196,035	1,297,647	1,339,298	1,317,875	1,381,507
Others ⁴	708,564	739,410	813,115	822,591	876,229	935,753	1,058,816
Development Expenditure	876,736	1,042,457	859,599	973,445	886,013	699,215	660,000

Source : Ministry of Education

Notes : Data refer to the financial year which begins in April and ends in March of the following year.

¹ Includes Centralised Institute.

² Refers to National University of Singapore, Nanyang Technological University, Singapore Management University, SIM University, Singapore University of Technology and Design and Singapore Institute of Technology.

³ Refers to Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic.

⁴ Includes MOE Headquarters, ISEAS - Yusof Ishak Institute, Science Centre Board, Special Education, LASALLE College of the Arts, Nanyang Academy of Fine Arts, Singapore Examinations and Assessment Board and SkillsFuture Singapore (wef FY2016).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6568>

22.17 GOVERNMENT RECURRENT EXPENDITURE ON EDUCATION PER STUDENT

	Dollars						
	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Primary Schools	6,624	6,712	7,396	8,549	9,123	10,081	10,600
Secondary Schools ¹	9,008	9,022	9,940	11,434	12,261	13,213	13,931
Junior Colleges ²	12,331	11,830	12,806	13,942	14,379	15,326	16,717
Institute of Technical Education ³	11,839	11,898	11,837	12,491	12,650	13,619	13,830
Polytechnics ⁴	14,552	14,687	14,487	15,304	15,681	16,118	15,943
Universities ⁵	20,630	20,505	20,777	21,870	22,181	21,988	21,853

Source : Ministry of Education

Notes : Data refer to the financial year which begins in April and ends in March of the following year.

1 Excludes Independent Schools.

2 Includes Centralised Institute.

3 Refers to full-time Nitec/Higer Nitec courses offered by the Institute of Technical Education (ITE).

Publicly-funded full-time diploma courses offered by ITE are included under "Polytechnics" from FY2012 onwards.

4 Refers to publicly-funded full-time diploma courses offered by Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic. From FY2012, it includes publicly-funded full-time diploma courses offered by ITE, LASALLE College of the Arts and Nanyang Academy of Fine Arts.

5 Refers to publicly-funded full-time degree courses offered by National University of Singapore, Nanyang Technological University, Singapore Management University and Singapore Institute of Technology. It includes publicly-funded full-time degree courses offered by Singapore University of Technology & Design, LASALLE College of the Arts and Nanyang Academy of Fine Arts from FY2012 and SIM University from FY2014.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6569>

22.18 SINGAPORE RESIDENTS AGED 25 YEARS AND OVER BY HIGHEST QUALIFICATION ATTAINED AND SEX

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	2,576,000	2,601,900	2,626,400	2,669,100	2,732,600	2,750,900	2,795,200
Below Secondary	888,200	869,800	848,200	833,300	832,100	800,000	819,300
Secondary	490,600	510,900	499,800	501,200	502,500	519,200	500,400
Post Secondary (Non-Tertiary)	244,800	230,300	239,400	232,400	238,000	250,500	249,800
Diploma & Professional Qualification	342,400	352,300	364,600	372,600	401,800	405,500	411,500
University	610,000	638,600	674,400	729,700	758,100	775,800	814,200
Total Males	1,242,400	1,249,500	1,259,100	1,277,800	1,309,900	1,316,000	1,334,500
Below Secondary	388,600	378,900	368,000	360,600	363,400	345,100	349,400
Secondary	222,400	225,900	217,900	220,700	217,000	227,400	218,600
Post Secondary (Non-Tertiary)	132,200	127,500	132,100	127,700	130,200	137,300	139,300
Diploma & Professional Qualification	177,300	186,100	187,400	189,200	203,600	205,300	211,800
University	321,900	331,300	353,700	379,700	395,700	401,000	415,500
Total Females	1,333,600	1,352,400	1,367,300	1,391,400	1,422,700	1,434,900	1,460,600
Below Secondary	499,600	491,000	480,100	472,700	468,700	454,900	469,900
Secondary	268,300	285,100	281,900	280,600	285,500	291,800	281,800
Post Secondary (Non-Tertiary)	112,600	102,900	107,300	104,700	107,800	113,200	110,600
Diploma & Professional Qualification	165,100	166,100	177,300	183,400	198,200	200,200	199,700
University	288,100	307,300	320,700	350,000	362,400	374,800	398,700

Notes : Data pertain to residents who are not attending educational institutions as full-time students.

Data include those who are upgrading their qualifications through part-time courses while working.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9569>

22.19 MEAN YEARS OF SCHOOLING

	Years						
	2010	2011	2012	2013	2014	2015	2016
Mean Years Of Schooling (25 Years & Over)	10.1	10.2	10.3	10.5	10.6	10.7	10.7
Males	10.6	10.7	10.9	11.0	11.1	11.2	11.2
Females	9.7	9.7	9.9	10.0	10.1	10.3	10.3

Notes : Data pertain to residents who are not attending educational institutions as full-time students.
Data include those who are upgrading their qualifications through part-time courses while working.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3036>

22.20 LITERACY RATE

	Per Cent						
	2010	2011	2012	2013	2014	2015	2016
Literacy Rate (15 Years & Over)	95.9	96.2	96.4	96.6	96.7	96.8	97.0
Males	98.0	98.4	98.5	98.5	98.6	98.6	98.7
Females	93.8	94.1	94.4	94.7	94.9	95.2	95.4

Notes : Refers to resident population aged 15 years and over.
Data for 2010 and 2015 are from the Population Censuses and the General Household Survey respectively.
Data for 2013 were revised in March 2017 due to availability of more data sources.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=967>

23



Health

23 Health



The Ministry of Health (MOH) is committed to promoting good health, providing good healthcare services and encouraging medical excellence.

Through MOH, the Government manages the public healthcare system to ensure that quality and affordable basic medical services are available to all Singaporeans. Financing schemes including subsidies, Medisave savings and insurance help to ensure affordability of healthcare. There will also be more investment in healthcare facilities and information infrastructure to enhance the accessibility and continuum of care. At the same time, MOH continues to encourage individuals to adopt a healthy lifestyle and to take charge of their own health to lead better, healthier lives. Safety nets are provided to ensure that no Singaporean is denied access to healthcare because of financial difficulty.

Public Healthcare Services



Singapore's public healthcare establishments provide a full range of acute services ranging from primary care at the polyclinics to secondary and tertiary care at hospitals. These include nine acute hospitals, one psychiatric hospital, three community hospitals and eighteen polyclinics.

Statutory Boards



Two statutory boards under MOH were established on 1 April 2001.

The Health Promotion Board (HPB) aims to empower Singaporeans to attain optimal health, increase the quality and years of healthy life, and prevent illness, disability and premature death. As the key driver of national health promotion and disease prevention programmes, HPB

spearheads programmes reaching out to the healthy, the at-risk and the unhealthy at all stages of life. Health promotion programmes include nutrition, mental health, physical activity, tobacco control, and communicable disease education. HPB also promotes healthy ageing, integrated health screening, and chronic disease education and management.

The Health Sciences Authority (HSA) is a multidisciplinary scientific and regulatory agency that serves three key functions to protect and advance national health and safety. It is the national regulator for drugs, innovative therapeutics, medical devices and health-related products, ensuring they are well-regulated to high standards of safety, quality and efficacy. As the national blood service, it secures the nation's blood supply by ensuring a safe and adequate blood supply for public and private hospitals. It is also the provider of national expertise in forensic medicine, forensic science and analytical chemistry testing to serve the administration of justice and safeguard public health.

Public Health



Statistics on immunisation are collected by the National Immunisation Registry in HPB from various healthcare institutions, including polyclinics, general practitioners and hospitals. Data on patient attendances at primary healthcare clinics are obtained from statistical returns.

Hospital Statistics



Data on public hospital beds, patient admissions and outpatient attendances are obtained from administrative records and the computerised patient registration systems of the hospitals. For non-public hospitals, the data are

compiled from returns prescribed by MOH and from administrative data.

Medical Personnel

Data on registered healthcare personnel refer to the number of doctors, dentists, pharmacists, nurses and midwives, optometrists and opticians, allied health professionals, as well as traditional Chinese medicine practitioners registered respectively under the Medical Registration Act (Chapter 174),

the Dental Registration Act (Chapter 76), the Pharmacists Registration Act (Chapter 230), the Nurses and Midwives Act (Chapter 209), the Optometrists and Opticians Act (Chapter 213A), Allied Health Professions Act (Chapter 6B) and the Traditional Chinese Medicine Practitioners Act (Chapter 333A). Manpower registers are maintained by the respective professional bodies and the statistics pertaining to these healthcare personnel are derived from the registers.

Key Indicators

**Healthcare Providers
Per 10,000 Population, 2016**



Per Capita Government Health Expenditure



23.1

HEALTH FACILITIES

	2010	2011	2012	2013	2014	2015	Number 2016
Hospitals							
Acute Hospitals ¹	15	15	17	17	18	19	19
Public	8	8	8	8	8	9	9
Not-for-Profit	1	1	1	1	1	1	1
Private	6	6	8	8	9	9	9
Psychiatric Hospitals	1	1	1	1	1	1	1
Public	1	1	1	1	1	1	1
Not-for-Profit	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0
Community Hospitals	6	6	6	6	6	7	8
Public ²	0	1	1	1	1	3	3
Not-for-Profit ³	5	4	4	4	4	4	4
Private ⁴	1	1	1	1	1	0	1
Residential Long-Term Care Facilities							
Nursing Homes	62	64	64	66	65	71	69
Public	0	1	1	5	6	11	13
Not-for-Profit	30	31	31	28	27	26	26
Private	32	32	32	33	32	34	30
Inpatient Hospices	2	2	2	2	2	2	2
Public	0	0	0	0	0	0	0
Not-for-Profit	2	2	2	2	2	2	2
Private	0	0	0	0	0	0	0

(continued on the next page)

Source : Ministry of Health

Notes : Public health facilities refer to those owned or controlled by a government unit or another public corporation (where control is defined as the ability to determine the general corporate policy).

Not-for profit health facilities refer to those producing health goods and services, but are not permitted to be a source of income, profit or financial gain for the unit(s) that establish, control or finance them.

Private health facilities refer to those set up for the purpose of producing health goods and services and are capable of generating a profit or other financial gains for their owners.

A residential health facility providing more than one residential care service will be categorised based on its highest level of medical capability (LMC), provided the highest LMC beds make up at least 25 per cent of total bed capacity.

For example, a health facility providing both community hospital and chronic sick services will be categorised as a Community Hospital' if its number of community hospital beds is at least per cent of its total bed capacity.

1 Comprises both general hospitals and specialty centres (excluding Psychiatric Hospitals) with acute care inpatient facilities. With effect from 2010, data include Khoo Teck Puat Hospital.

With effect from 2012, data include Mount Elizabeth Novena Hospital and Fortis Colorectal Hospital (currently known as Concord International Hospital).

With effect from 2014, data include Farrer Park Hospital.

With effect from 2015, data include Ng Teng Fong General Hospital.

2 With effect from 2011, data include Bright Vision Hospital.

With effect from 2015, data include Jurong Community Hospital and Yishun Community Hospital.

3 With effect from Apr 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).

4 West Point Hospital closed on Dec 2015 and re-opened in Sep 2016.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=15181>

23.1 HEALTH FACILITIES *(continued)*

	Number						
	2010	2011	2012	2013	2014	2015	2016
Primary Care Facilities							
Public - Polyclinics	18	18	18	18	18	18	18
Private - General Practitioner Clinics	1,651	1,685	1,743	1,805	1,868	1,933	2,017
Dental Clinics							
Public (Total)	240	241	240	236	248	247	251
Polyclinic Dental Clinics	9	9	9	9	9	9	9
Hospital/Institution Dental Clinics ⁵	6	6	6	6	6	6	6
School Dental Clinics	225	226	225	221	233	232	236
Private	610	631	660	694	722	792	822
Pharmacies	226	249	245	247	253	232	235
Public	58	56	50	51	63	62	62
Private	168	193	195	196	190	170	173

Source : Ministry of Health

Notes : Public health facilities refer to those owned or controlled by a government unit or another public corporation (where control is defined as the ability to determine the general corporate policy).

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Private health facilities refer to those set up for the purpose of producing health goods and services and are capable of generating a profit or other financial gains for their owners.

A residential health facility providing more than one residential care service will be categorised based on its highest level of medical capability (LMC), provided the highest LMC beds make up at least 25 per cent of total bed capacity.

For example, a health facility providing both community hospital and chronic sick services will be categorised as a 'Community Hospital' if its number of community hospital beds is at least 25 per cent of its total bed capacity.

⁵ Includes National Dental Centre. With effect from March 2010, data include dental clinic at Khoo Teck Puat Hospital. With effect from Jun 2015, data include dental clinic at Ng Teng Fong General Hospital.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15181>

23.2

BEDS IN INPATIENT FACILITIES

	2010	2011	2012	2013	2014	2015	Number 2016
Hospitals							
Acute Hospitals ¹	8,249	8,304	8,725	8,939	9,262	9,844	10,318
Public	6,871	6,925	7,170	7,377	7,652	8,128	8,561
Not-for-Profit	283	283	283	283	283	316	316
Private	1,095	1,096	1,272	1,279	1,327	1,400	1,441
Psychiatric Hospitals	2,010	2,010	2,010	2,010	1,950	1,950	1,950
Public	2,010	2,010	2,010	2,010	1,950	1,950	1,950
Not-for-Profit	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0
Community Hospitals	842	800	842	852	1,065	1,464	1,663
Public ²	0	100	100	110	142	503	690
Not-for-Profit ³	818	680	722	722	905	961	961
Private ⁴	24	20	20	20	18	0	12

(continued on the next page)

Source : Ministry of Health

Notes : Public health facilities refer to those owned or controlled by a government unit or another public corporation (where control is defined as the ability to determine the general corporate policy).

Not-for profit health facilities refer to those producing health goods and services, but are not permitted to be a source of income, profit or financial gain for the unit(s) that establish, control or finance them.

Private health facilities refer to those set up for the purpose of producing health goods and services and are capable of generating a profit or other financial gains for their owners.

A residential health facility providing more than one residential care service will be categorised based on its highest level of medical capability (LMC), provided the highest LMC beds make up at least 25 per cent of total bed capacity.

For example, a health facility providing both community hospital and chronic sick services will be categorised as a 'Community Hospital' if its number of community hospital beds is at least 25 per cent of its total bed capacity.

Prior to 2010, hospitals were licensed for built-in bed capacity. With effect from 2010, hospitals are licensed for actual bed complement (i.e. beds that are regularly maintained and staffed).

1 Comprises both general hospitals and specialty centres (excluding Psychiatric Hospitals) with acute care inpatient facilities.

With effect from 2010, data include Khoo Teck Puat Hospital.

With effect from 2012, data include Mount Elizabeth Novena Hospital and Fortis Colorectal Hospital (currently known as Concord International Hospital).

With effect from 2014, data include Farrer Park Hospital.

With effect from 2015, data include Ng Teng Fong General Hospital.

2 With effect from 2011, data include Bright Vision Hospital.

With effect from 2015, data include Jurong Community Hospital and Yishun Community Hospital.

3 With effect from Apr 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).

4 West Point Hospital closed in Dec 2015 and re-opened in Sep 2016.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15185>

23.2

BEDS IN INPATIENT FACILITIES (continued)

	2010	2011	2012	2013	2014	2015	Number 2016
Residential Long-Term Care Facilities (by services offered) ⁵							
Nursing Homes ⁶	9,551	9,690	9,721	10,838	10,968	12,185	13,022
Public	0	250	202	1,230	1,372	2,488	3,110
Not-for-Profit ³	6,293	6,137	6,119	5,924	6,021	5,802	6,058
Private	3,258	3,303	3,400	3,684	3,575	3,895	3,854
Inpatient Hospices	123	133	149	149	141	141	173
Public	0	32	48	48	40	40	24
Not-for-Profit ³	123	101	101	101	101	101	149
Private	0	0	0	0	0	0	0

Source : Ministry of Health

Notes : Public health facilities refer to those owned or controlled by a government unit or another public corporation (where control is defined as the ability to determine the general corporate policy).

Not-for profit health facilities refer to those producing health goods and services, but are not permitted to be a source of income, profit or financial gain for the unit(s) that establish, control or finance them.

Private health facilities refer to those set up for the purpose of producing health goods and services and are capable of generating a profit or other financial gains for their owners.

A residential health facility providing more than one residential care service will be categorised based on its highest level of medical capability (LMC), provided the highest LMC beds make up at least 25 per cent of total bed capacity.

For example, a health facility providing both community hospital and chronic sick services will be categorised as a Community Hospital' if its number of community hospital beds is at least 25 per cent of its total bed capacity.

Prior to 2010, hospitals were licensed for built-in bed capacity. With effect from 2010, hospitals are licensed for actual bed complement (i.e. beds that are regularly maintained and staffed).

3 With effect from Apr 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).

5 Beds are classified by services offered regardless of facility.

6 Includes beds for chronic sick services.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15185>

23.3

HOSPITAL ADMISSIONS AND PUBLIC SECTOR OUTPATIENT
ATTENDANCES

	Number						
	2010	2011	2012	2013	2014	2015	2016
Hospital Admissions ¹							
Acute Hospitals ²	427,305	446,384	459,902	474,193	489,574	499,889	546,256
Public	333,573	347,398	354,076	364,911	372,661	379,973	416,663
Non-Public ³	93,732	98,986	105,826	109,282	116,913	119,916	129,593
Psychiatric Hospitals	9,759	9,628	8,382	8,110	9,050	8,986	9,028
Public	9,759	9,628	8,382	8,110	9,050	8,986	9,028
Non-Public ³	0	0	0	0	0	0	0
Community Hospitals ⁴	7,534	7,679	7,751	8,702	9,067	10,670	13,881
Public ⁵	0	572	688	1,053	1,467	2,187	5,432
Non-Public ³	7,534	7,107	7,063	7,649	7,600	8,483	8,449
Public Sector Outpatient Attendances							
Specialist Outpatient Clinics	4,023,686	4,234,139	4,353,385	4,436,621	4,535,104	4,658,110	4,921,017
Accident & Emergency							
Departments	858,781	934,485	985,289	1,006,800	968,371	965,426	1,008,718
Polyclinics	4,314,496	4,502,043	4,614,038	4,623,623	4,648,374	4,874,697	5,263,999
Dental Clinics ⁶	862,874	875,802	893,058	943,971	966,240	996,779	1,048,220
Day Surgeries	229,638	238,071	246,313	262,381	272,914	293,107	321,623

Source : Ministry of Health

Notes : Public health facilities refer to those owned or controlled by a government unit or another public corporation (where control is defined as the ability to determine the general corporate policy).

Not-for profit health facilities refer to those producing health goods and services, but are not permitted to be a source of income, profit or financial gain for the unit(s) that establish, control or finance them

Private health facilities refer to those set up for the purpose of producing health goods and services and are capable of generating a profit or other financial gains for their owners.

A residential health facility providing more than one residential care service will be categorised based on its highest level of medical capability (LMC), provided the highest LMC beds make up at least 25 per cent of total bed capacity.

For example, a health facility providing both community hospital and chronic sick services will be categorised as a 'Community Hospital' if its number of community hospital beds is at least 25 per cent of its total bed capacity.

1 Refer to inpatient discharges.

2 Comprises both general hospitals and specialty centres (excluding Psychiatric Hospitals) with acute care inpatient facilities

3 "Non-Public" comprises "Private" and "Not-for-Profit" health facilities.

4 Refer to inpatient discharges for all services (including chronic sick and inpatient hospice) in community hospital.

5 With effect from Apr 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).

6 Include dental services/clinics in hospitals, polyclinics, schools and National Dental Centre.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1855>

23.4 HOSPITAL ADMISSION ¹ RATE BY SEX AND AGE

Per 1,000 resident population

	2010	2011	2012	2013	2014	2015	2016
Acute Hospitals ²							
Male	93.2	96.9	100.7	104.5	108.2	110.5	123.6
Age Group (Years)							
0 - 14	104.3	111.6	118.5	120.2	126.6	128.5	142.0
15 - 64	63.8	65.4	66.7	70.0	71.0	71.4	81.4
65 & Above	339.6	345.2	347.6	343.7	347.7	347.6	366.5
Female	98.3	102.7	105.5	107.7	111.0	111.9	123.3
Age Group (Years)							
0 - 14	88.0	95.6	101.2	102.0	109.4	112.0	121.4
15 - 64	74.2	75.7	77.2	78.3	80.0	80.1	88.5
65 & Above	295.3	308.0	304.0	302.6	299.9	292.9	314.0
Psychiatric Hospitals							
Male	2.8	2.8	2.3	2.2	2.4	2.6	2.4
Age Group (Years)							
0 - 14	0.2	0.1	0.1	0.2	0.2	0.1	0.1
15 - 64	3.5	3.5	2.8	2.7	3.0	3.2	2.9
65 & Above	2.9	2.6	1.8	1.8	2.0	2.3	2.0
Female	1.7	1.6	1.4	1.4	1.4	1.6	1.3
Age Group (Years)							
0 - 14	0.1	0.1	0.1	0.1	0.1	0.2	0.2
15 - 64	2.0	1.9	1.7	1.6	1.7	1.9	1.5
65 & Above	1.8	1.7	1.4	1.7	1.5	1.6	1.4
Community Hospitals ³							
Male	1.7	1.7	1.6	1.8	1.9	2.3	3.1
Age Group (Years)							
0 - 14	-	-	-	-	-	-	0.1
15 - 64	0.7	0.6	0.6	0.6	0.6	0.7	1.1
65 & Above	14.9	14.9	13.0	13.9	14.4	16.0	20.2
Female	2.0	2.1	2.1	2.3	2.4	2.8	3.7
Age Group (Years)							
0 - 14	-	-	-	-	-	-	-
15 - 64	0.4	0.5	0.5	0.5	0.5	0.6	0.8
65 & Above	16.9	17.5	16.0	16.8	16.7	18.4	23.2

Source : Ministry of Health

1 Refer to inpatient discharges, excluding normal deliveries and legalised abortions.

2 Comprises both general and specialised hospitals (excluding Psychiatric Hospitals) with inpatient facilities that provide acute care to patients.

3 Refer to inpatient discharges for all services (including chronic sick and inpatient hospice) in community hospital.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1853>

23.5 REGISTERED HEALTH PERSONNEL

(End of Period)

							Number
	2010	2011	2012	2013	2014	2015	2016
Doctors	9,030	9,646	10,225	10,953	11,733	12,459	12,967
Public	5,180	5,621	6,131	6,661	7,330	7,909	8,358
Private	3,310	3,449	3,515	3,678	3,790	3,914	3,979
Not in active practice	540	576	579	614	613	636	630
Specialists	3,374	3,635	3,867	4,124	4,485	4,788	5,047
Public	1,996	2,165	2,342	2,511	2,829	3,052	3,299
Private	1,151	1,229	1,293	1,351	1,411	1,470	1,485
Not in active practice	227	241	232	262	245	266	263
Non-Specialists	5,656	6,011	6,358	6,829	7,248	7,671	7,920
Public	3,184	3,456	3,789	4,150	4,501	4,857	5,059
Private	2,159	2,220	2,222	2,327	2,379	2,444	2,494
Not in active practice	313	335	347	352	368	370	367
Dentists	1,579	1,611	1,699	1,821	1,905	2,060	2,198
Public	354	318	357	396	444	449	486
Private	1,059	1,160	1,215	1,411	1,435	1,541	1,644
Not in active practice	166	133	127	14	26	70	68
Dental Specialists	286	285	303	309	313	324	333
Public	87	77	86	88	96	102	106
Private	185	199	203	219	216	215	219
Not in active practice	14	9	14	2	1	7	8
General Dental Practitioners	1,293	1,326	1,396	1,512	1,592	1,736	1,865
Public	267	241	271	308	348	347	380
Private	874	961	1,012	1,192	1,219	1,326	1,425
Not in active practice	152	124	113	12	25	63	60
Oral Health Therapists	290	312	337	364	377	400	401
Public	212	222	228	216	220	228	229
Private	64	77	88	129	128	144	128
Not in active practice	14	13	21	19	29	28	44
Pharmacists	1,814	2,013	2,172	2,376	2,563	2,757	2,875
Public	712	842	934	1,082	1,179	1,307	1,367
Private	931	978	1,048	1,104	1,174	1,221	1,248
Not in active practice	171	193	190	190	210	229	260

(continued on the next page)

Source : Ministry of Health

Notes : Registered health personnel in the public sector refer to Government, Government Restructured Hospitals, Statutory Boards and University personnel.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=10308>

23.5 REGISTERED HEALTH PERSONNEL *(continued)*

(End of Period)

	2010	2011	2012	2013	2014	2015	Number 2016
Registered Nurses	21,575	23,598	25,971	27,556	28,864	29,894	31,615
Public	12,994	14,494	15,916	16,738	17,667	18,566	19,618
Private	5,140	5,661	6,321	6,716	6,863	7,356	7,616
Not in active practice	3,441	3,443	3,734	4,102	4,334	3,972	4,381
Enrolled Nurses	7,478	7,869	8,274	8,273	8,528	8,931	8,781
Public	4,525	4,661	4,995	4,890	5,006	5,305	5,149
Private	1,757	1,979	2,027	2,049	2,078	2,377	2,322
Not in active practice	1,196	1,229	1,252	1,334	1,444	1,249	1,310
Registered Midwives	287	282	262	246	226	180	165
Public	94	95	89	79	71	71	62
Private	68	69	65	61	61	51	47
Not in active practice	125	118	108	106	94	58	56
Advanced Practice Nurses ¹	48	78	88	117	145	172	197
Public	46	74	82	110	137	166	189
Private	2	4	5	5	8	5	8
Not in active practice	0	0	1	2	0	1	0
Optometrists and Opticians ²	2,419	2,441	2,478	2,461	2,610	2,624	2,650
Public	113	133	155	159	159	156	166
Private	2,237	2,198	2,124	2,210	2,337	2,345	2,265
Not in active practice	69	110	199	92	114	123	219
Occupational Therapists ³	na	na	na	na	905	967	1,067
Public	na	na	na	na	776	793	632
Private	na	na	na	na	128	134	366
Not in active practice	na	na	na	na	1	40	69
Physiotherapists ³	na	na	na	na	1,394	1,550	1,693
Public	na	na	na	na	1,099	1,145	1,031
Private	na	na	na	na	293	339	550
Not in active practice	na	na	na	na	2	66	112

(continued on the next page)

Source : Ministry of Health

Notes : Registered health personnel in the public sector refer to Government, Government Restructured Hospitals, Statutory Boards and University personnel.

1 Advanced Practice Nurses is a subset of Registered Nurses.

2 Refers to those who were officially registered with the enactment of Optometrists and Opticians Act in 2008.

3 Registration of Allied Health professionals (Occupational Therapists, Physiotherapists and Speech Therapists) started in 2013.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10308>

23.5 REGISTERED HEALTH PERSONNEL *(continued)*

(End of Period)

	2010	2011	2012	2013	2014	2015	Number 2016
Speech therapists ³	na	na	na	na	400	474	524
Public	na	na	na	na	287	324	229
Private	na	na	na	na	113	132	255
Not in active practice	na	na	na	na	0	18	40
Traditional Chinese Medicine (TCM) Physicians	2,322	2,444	2,538	2,629	2,740	2,808	2,868
In Active practice	1,974	2,054	2,133	2,155	2,199	2,217	2,241
Not in Active Practice	348	390	405	474	541	591	627
Acupuncturists ⁴	218	235	235	244	240	249	247
In Active practice	173	174	174	147	153	152	146
Not in Active Practice	45	61	61	97	87	97	101

Source : Ministry of Health

Notes : Registered health personnel in the public sector refer to Government, Government Restructured Hospitals, Statutory Boards and University personnel.

³ Registration of Allied Health professionals (Occupational Therapists, Physiotherapists and Speech Therapists) started in 2013.⁴ Refers to those registered only as Acupuncturists.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=10308>

23.6 VISITS TO PUBLIC SECTOR DENTAL CLINICS

	Number						
	2010	2011	2012	2013	2014	2015	2016
Dental Clinics	862,874	875,802	893,058	943,971	966,240	996,779	1,048,220
Schools	448,362	436,566	438,133	455,475	449,372	456,931	463,751
Hospitals/Institutions ¹	291,247	295,016	319,812	339,319	357,878	371,888	405,143
Polyclinics	123,265	144,220	135,113	149,177	158,990	167,960	179,326

Source : Ministry of Health

¹ Includes National Dental Centre.

With effect from March 2010, data include dental clinic at Khoo Teck Puat Hospital.

With effect from June 2015, data include dental clinic at Ng Teng Fong General Hospital.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1861>

23.7 NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES

	Number						
	2010	2011	2012	2013	2014	2015	2016
Dengue/DHF	5,363	5,330	4,632	22,170	18,326	11,294	13,115
Malaria	192	149	143	111	62	47	31
Enteric fever ¹	120	104	141	107	77	76	71
Viral Hepatitis	256	241	275	202	194	207	204
Cholera	4	2	2	2	2	3	2
Poliomyelitis	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0
Viral Encephalitis	33	29	27	38	37	30	28
Legionellosis	25	21	31	24	37	17	12
Hand, Foot & Mouth Disease	30,878	20,287	37,276	31,779	22,171	28,216	42,148
Nipah Virus Infection	0	0	0	0	0	0	0
SARS	0	0	0	0	0	0	0
Tuberculosis	2,791	3,032	3,210	2,801	2,741	2,704	3,130
Leprosy	12	11	14	8	4	3	9

Source : Ministry of Health

Notes : No cases of plague, smallpox and yellow fever were reported during the period.

¹ Refers to typhoid and paratyphoid.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1858>

23.8 IMMUNISATION ¹ BY PUBLIC AND NON-PUBLIC SECTORS

	No of Children						
	2010	2011	2012	2013	2014	2015	2016
Vaccination against							
Tuberculosis (BCG)							
National	33,454	31,362	29,480	30,488	32,624	30,623	32,196
Public	13,963	13,190	12,255	12,527	12,952	12,501	13,418
Non-Public ²	19,491	18,172	17,225	17,961	19,672	18,122	18,778
Diphtheria							
National	32,523	29,981	28,485	29,471	31,618	30,388	31,301
Public	14,541	16,097	15,268	15,890	17,299	19,901	22,204
Non-Public ²	17,982	13,884	13,217	13,581	14,319	10,487	9,097
Poliomyelitis							
National	32,496	31,455	28,476	29,459	31,596	29,720	31,284
Public	16,921	16,921	15,262	15,882	17,295	19,624	22,195
Non-Public ²	15,575	14,534	13,214	13,577	14,301	10,096	9,089
Hepatitis B							
National	31,186	30,026	28,464	29,418	31,585	29,677	31,209
Public	16,750	16,118	15,238	15,815	17,220	19,471	21,986
Non-Public ²	14,436	13,908	13,226	13,603	14,365	10,206	9,223
Measles							
National	32,165	29,737	28,072	28,975	31,259	29,331	30,750
Public	16,958	16,104	15,165	15,935	17,567	19,502	21,959
Non-Public ²	15,207	13,633	12,907	13,040	13,692	9,829	8,791

Source : Health Promotion Board

1 Refers to immunisation given to children who are Singapore citizens or permanent residents.

2 "Non-Public" comprises "Private" and "Not-for-Profit" health facilities.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15175>

23.9 IMMUNISATION ¹ COVERAGE FOR CHILDREN AT 2 YEARS OF AGE

	Per Cent						
	2010	2011	2012	2013	2014	2015	2016
Vaccination against :							
Tuberculosis (BCG)	99	100	99	99	99	99	99
Diphtheria	96	96	97	97	96	98	96
Poliomyelitis	96	96	97	97	96	96	96
Hepatitis B	96	96	97	97	96	96	96
Measles	95	95	95	95	95	95	95

Source : Health Promotion Board

1 Refers to immunisation given to children who are Singapore citizens and permanent residents.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3393>

23.10 VACCINATION AND IMMUNISATION OF SCHOOL CHILDREN

	Thousand Doses						
	2010	2011	2012	2013	2014	2015	2016
Diphtheria Tetanus ¹	48.7	50.8	44.2	43.2	41.7	41.7	41.4
Poliomyelitis Immunisation ²	89.3	92.0	85.8	85.9	47.4	45.0	44.5
Measles, Mumps and Rubella ³	86.6	88.5	41.7	39.1	35.7	29.2	22.3

Source : Health Promotion Board

1 Booster doses were given to Primary 5 students.

2 Booster doses were given to Primary 1 and Primary 5 students.

With effect from Jan 2014, School Health Service ceased to give polio vaccination for Primary 1 students due to a change in the National Childhood Immunisation Schedule.

3 Vaccinations were given to Primary 1 students.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1865>

23.11 STUDENT MEDICAL CHECK-UP

	2010	2011	2012	2013	2014	2015	Thousand 2016
Total	435.9	429.5	422.2	414.9	407.5	400.9	377.0
Primary 1 and equivalent age groups	39.4	39.0	39.6	40.4	40.7	40.3	39.3
Primary 5 and equivalent age groups	45.2	48.4	43.4	42.8	39.8	39.6	39.8
Screening of other educational levels ¹	350.1	340.8	338.1	328.7	323.9	317.8	294.9
Others ²	1.2	1.3	1.1	3.0	3.1	3.2	3.0

Source : Health Promotion Board

1 Refers to screening for Primary 2, 3, 4 and 6, as well as Secondary 1, 2, 4 and Secondary 3 students with health problems.

2 Refers to general medical examination done for students in educational levels other than Primary 1 and Primary 5.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1867>

23.12 COMMON HEALTH PROBLEMS OF STUDENTS EXAMINED

	2010	2011	2012	2013	2014	2015	2016
Per 10,000 Males Examined							
Incidence of :							
Defective Vision	5,349	5,339	5,297	5,271	5,178	5,175	4,835
Obesity ¹							
Primary 1 and equivalent age groups	1,218	1,269	1,121	1,199	1,089	1,082	1,166
Primary 5 and equivalent age groups	1,748	1,853	1,557	1,590	1,593	1,524	1,710
Per 10,000 Females Examined							
Incidence of :							
Defective Vision	5,762	5,747	5,688	5,663	5,586	5,562	5,143
Obesity ¹							
Primary 1 and equivalent age groups	1,059	1,126	921	979	929	917	962
Primary 5 and equivalent age groups	1,197	1,250	1,191	1,232	1,217	1,183	1,271

Source : Health Promotion Board

- 1 Body Mass Index percentile replaced Nutritional Status in the calculation of overweight/obesity since July 2010. The reporting started in 2012.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3384>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1864>

24



Hawkers and Food Establishments

24

Hawkers and Food Establishments

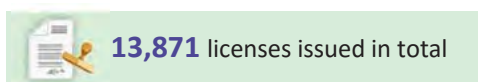


Hawker stalls and retail food establishments are licensed by the National Environment Agency (NEA). Food factories are licensed by the Agri-Food & Veterinary Authority (AVA). Both agencies ensure that food sold in Singapore is safe for consumption.

Licensed Hawkers

Licensed hawkers refer to hawkers who are issued with the licence by NEA to operate stalls in wet markets and hawker centres, as well as itinerant street hawkers.

Licensed Hawkers by Type of Premises (End of Period) 2016



13,310 market/
food centre



561 street



Licensed Food Establishments

Licensed food establishments are grouped under five separate categories, namely, food shops, food stalls, food factories, supermarkets and private markets.

Businesses that require a food shop license include restaurants, cake shops, eating houses, coffeeshops, food courts, pubs, bars, market produce shops, food caterers, and mobile food wagons.

A food stall refers to a compartmentalised unit housed in a food shop, such as coffeeshop, eating house, food court or canteen.

Food factories refer to AVA licensed food establishments where food is manufactured, processed, prepared or packed for the purpose of distribution to wholesalers and retailers. These food establishments include noodles and pasta

manufacturers, bakery and flour confectionery manufacturers, meat and fish processing establishments, slaughterhouses and cold stores used for the storage of meat and/or fish products.

These food establishments are subjected to regular inspections to ensure that the food produced is safe and fit for human consumption. They are also graded and classified under grade 'A', 'B', 'C' or 'D' according to their food safety and hygiene standards.

Supermarkets refer to air-conditioned retail markets that sell meat, fish, fruit, vegetable, poultry, egg or other article of food (cooked or uncooked) and other household items. They are operated on a self-service basis.

Private markets refer to markets (including any stalls therein) licensed to private operators for the sale of meat, fish, fruit, vegetable, poultry, egg or other article of food (cooked or uncooked).

Licensed Food Establishments (End of Period), 2016



17,196
food shops



14,350
food stalls



1,664
food factories



491
supermarkets



331
private markets

24.1 LICENSED HAWKERS UNDER NATIONAL ENVIRONMENT AGENCY

(End of Period)

	2010	2011	2012	2013	2014	2015	Number 2016
Total Licences Issued	14,470	14,305	14,165	14,227	14,466	14,055	13,871
Type of Premises							
Market/Food Centre	13,624	13,508	13,410	13,537	13,828	13,440	13,310
Street ¹	846	797	755	690	638	615	561
Type of Goods Sold							
Market Produce	5,879	5,763	5,694	5,706	5,857	5,612	5,485
Cooked Food	5,842	5,855	5,831	5,939	6,049	5,943	5,970
Piece & Sundries ²	2,749	2,687	2,640	2,582	2,560	2,500	2,416

Source : National Environment Agency

Notes : Data include MEWR and HDB Markets/Hawker Centres.
Private markets/food centres of other Statutory Boards are excluded.

1 Refers to street hawkers, who sell ice-cream, as well as not easily perishable food items and goods.

2 Includes items sold by street hawkers.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5291>

24.2 LICENSED FOOD ESTABLISHMENTS

(End of Period)

	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	29,509	30,291	30,691	31,267	32,166	33,074	34,032
Food Shops ¹	13,828	14,377	14,642	15,307	15,875	16,490	17,196
Food Stalls ²	13,686	13,829	13,889	13,776	13,979	14,179	14,350
Food Factories ³	1,348	1,408	1,476	1,482	1,548	1,618	1,664
Supermarkets ⁴	344	367	398	422	441	469	491
Private Markets ⁵	303	310	286	280	323	318	331

Sources : National Environment Agency (NEA)
Agri-Food & Veterinary Authority of Singapore

- 1 Refers to establishments which are licensed to retail food.
With effect from 2014, hawker centres under JTC Corporation are licensed by NEA as food shops.
- 2 Refers to smaller compartmentalised units which are housed within a food shop.
With effect from 2014, licensed hawker stalls under JTC Corporation are licensed by NEA as food stalls.
- 3 Refers to food processing establishments where food is manufactured, processed, prepared or packed for the purpose of distribution to wholesalers and retailers.
- 4 Refers to larger stores or premises that sell fresh food such as meat, fish, vegetables and other prepacked foods.
- 5 Refers to private shops and stalls that sell fresh food such as meat, fish, vegetables and other prepacked foods.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5300>

25



Community Services



The Ministry of Social and Family Development (MSF) aims to nurture resilient individuals, strong families and a caring society. MSF oversees policies on social assistance, social services, family, child care and child development, vulnerable adults and elderly, disability, as well as the management of problem gambling. In addition to its developmental role, MSF directly administers services which include the protection of children and rehabilitation of youth delinquents, registration of civil marriages, licensing of child care centres and public education on family matters. MSF also oversees regulatory functions under the various legislations such as the Maintenance of Parents Act, the Children and Young Persons Act, the Women's Charter and the Mental Capacity Act. To address social needs, MSF works closely with its partners in the sector, which include Voluntary Welfare Organisations (VWOs), Community Development Councils (CDCs), major funders such as the Singapore Totalisator Board (or Tote Board), corporate entities as well as the public.

The Ministry of Culture, Community and Youth (MCCY) seeks to inspire Singaporeans through the arts and sports, strengthen community bonds, and promote volunteerism and philanthropy. Since its inception in November 2012, MCCY has been actively engaging the arts, heritage, sports, community and youth sectors. MCCY aims to bring into sharper focus the efforts to build a more cohesive and vibrant society, and to deepen a sense of identity and belonging to the nation. MCCY works with its stakeholders to create an environment where Singaporeans can pursue their aspirations for a better quality of life and together, build a gracious and caring society.

People's Association

The People's Association (PA) is a statutory board set up on 1 July 1960 to promote racial

harmony and social cohesion. The PA also connects the people and the Government through consultation and feedback gathering to close last-mile delivery.

PA achieves its mission through a wide range of programmes offered by its network¹ of about 1,900 Grassroots Organisations (GROs) and five Community Development Councils.

Community Development Councils



The Community Development Councils (CDCs) were set up in 1997 under the PA to "Assist the Needy, Bond the People and Connect the Community" (in short, the "ABC" mission) to strengthen community bonding and social cohesion, and to foster the community spirit of self-help and mutual support. Guided by the mission, the CDCs develop and implement programmes that identify existing and emerging needs in the community, and work closely with public, private and people (3P) partners to develop and implement sustainable programmes that promote caring for environment, helping the elderly and vulnerable, volunteerism, self-reliance and upward social mobility.

Through the 3P partnership, the CDCs aim to rally the community to strengthen social infrastructure, build social resilience and social capital, and promote the culture of giving back so as to build a "Great Home and a Caring Community" and a "Cohesive and Compassionate Nation".

¹ Includes Citizens' Consultative Committees, Community Club Management Committees, Residents' Committees, Neighbourhood Committees, Community Sports Clubs, Community Emergency and Engagement Committees, Women's Executive Committees, Youth Executive Committees, Senior Citizens' Executive Committees, Malay Activity Executive Committees, Indian Activity Executive Committees and Teens Network Club Management Committees.

Community Services ■

Volunteers

"Volunteers" refer to individuals who provide services in community and welfare programmes without receiving full market rates of remuneration or allowances.

Child Care Centres and Kindergartens

The Early Childhood Development Agency (ECDA) serves as the regulatory and developmental authority for the early childhood sector in Singapore, overseeing key aspects of children's development below the age of 7 years in kindergartens and child care centres. It is jointly overseen by the Ministry of Education (MOE) and MSF.

Child care centres provide child care services for children aged 18 months to 6 years. Some centres also provide infant care services for infants aged 2 months to 18 months. Centres may offer regular full-day, half-day and flexible programmes to cater to the different needs of parents and children.

Kindergartens provide pre-school developmental programmes for children from 3 to 6 years of age. Most kindergartens run two sessions a day, with each session ranging from 3 to 4 hours, 5 days a week.

In 2016, there were 1,332 child care centres and 480 kindergartens in Singapore, located in HDB void decks, community spaces and workplaces to provide parents with ease of access and choices in meeting the early childhood needs of their children.

Student Care Centres

Student Care Centres provide care and supervision to school-going children in the Primary to lower Secondary levels outside school hours, while their parents are at work. There are currently over 400 student care centres located in the community and in schools that administer the Student Care Fee Assistance (SCFA) scheme to support lower income families in accessing the service.

MSF works with MOE in the development of student care centres within primary school premises.

ComCare Short-to-Medium Term Assistance

ComCare Short-to-Medium Term Assistance is available to low-income families and individuals who are temporarily unable to work (e.g. due to illness, caregiving responsibilities), those earning a low income and require temporary financial support, and those who are unemployed and require temporary financial support while they seek employment. A Social Assistance officer will work with the family to develop a plan of action to improve their circumstances. Beneficiaries may receive a monthly cash grant, rental and/or Service and Conservancy Assistance, medical assistance and employment assistance.

ComCare Long Term Assistance

ComCare Long Term Assistance (also known as the Public Assistance, or PA scheme) provides long-term help to persons who are unable to work due to old age, illness or disability, have limited or no means of income, and have little or no family support. Besides a monthly cash allowance, beneficiaries receive free medical treatment in polyclinics and government or restructured hospitals as well as assistance for other specialised needs such as



Community Services ■

recurrent healthcare consumables and one-off purchase of essential household items. They may be referred to community-based agencies for services aid, for example, home help, befriending, and enrolment at day care centres to support their living in the community.

Student Care Fee Assistance

ComCare provides monthly fee subsidies for children from eligible families to attend student care centres while their parents are at work. These subsidies are available to children attending student care centres registered with MSF, including special student care centres for students with special needs. The families are also given a one-off Start Up Grant to offset the initial costs of placing their child in the centre.

Family Service Centres

Family Service Centres (FSCs) play a key role in building strong and stable families in Singapore. FSCs are community-based social work entities that serve low income and vulnerable individuals and families, through social work intervention, to help them achieve independence, stability and resilience. FSCs are staffed by social service practitioners providing an integrated practice of casework, group work and community work to meet the diverse and complex needs of clients. There are currently 46 FSCs serving more than 25,000 families a year island-wide.

Services for Senior Citizens

As Secretariat to the Ministerial Committee on Ageing, the Ageing Planning Office (APO) in the Ministry of Health (MOH) works with government, private and public agencies to plan and develop initiatives to help Singaporeans age successfully as part of the Action Plan for

Successful Ageing. This includes working with the PA, the Council for Third Age (C3A), the Health Promotion Board (HPB) and various agencies to promote active and healthy ageing. MOH also undertakes the planning and development of aged care services for senior citizens, which includes both the health and social aspects of aged care services, ranging from home and community-based services to residential care services.

MOH's focus is to enhance the accessibility, quality and affordability of aged care services. New initiatives include the development of Active Ageing Hubs which provide active ageing services as well as integrated care services across the health and social care continuum.

MSF oversees the provision of social support for low-income and vulnerable seniors without family support. To better reach out to and support vulnerable seniors to age within the community and receive coordinated care, MSF has organised its community-based social services into networks within each Housing and Development Board (HDB) town. Each town is supported by a range of services comprising Senior Activity Centres, case management teams, assisted living options, and befriending services.



30,896

seniors had access to Senior Activity Centres in FY2016

Other References

The Singapore Social Statistics in Brief (SSIB) is an annual publication compiled by the Strategic Planning, Research and Development Division, Ministry of Social and Family Development. The SSIB provides updates on key social indicators and population statistics.

25.1 GRASSROOTS ORGANISATIONS

(End of Period)

	Number						
	2010	2011	2012	2013	2014	2015	2016
Community Development Councils	5	5	5	5	5	5	5
Citizens' Consultative Committees (CCCs)	84	87	87	87	87	89	89
CCC-Area Sub Committees	43	39	38	39	41	41	42
Community Club Management Committees	105	106	106	107	107	108	109
Residents' Committees	556	564	571	574	582	600	627
Neighbourhood Committees	115	121	134	149	161	174	197
Malay Activity Executive Committees	97	97	97	99	98	98	97
Indian Activity Executive Committees	94	94	94	95	94	94	96
Senior Citizens' Executive Committees	321	314	309	295	292	286	268
Youth Executive Committees	99	99	100	101	102	102	102
Women's Executive Committees	104	104	104	105	104	105	104
Community Emergency and Engagement Committees	84	86	86	87	87	87	88
Community Sports Clubs ¹	84	86	86	86	86	87	88
T-Net Club Management Committees	8	8	8	8	8	8	8
Building Fund Committees	28	38	44	50	53	53	51

Source : People's Association (PA)

1 Constitutency Sports Clubs has been renamed to Community Sports Clubs in 2011.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10309>

25.2 VOLUNTEERS

(End of Period)

							Number
	2010	2011	2012	2013	2014	2015	2016
Community Service							
Total (Volunteers)	42,778	44,515	44,616	46,884	48,486	49,445	49,848
Community Development Councils	309	299	298	298	291	284	290
CCCs / CCC-Area Sub Committees	4,617	4,762	4,796	4,999	5,153	5,280	5,477
Community Club Management Committees	3,631	3,713	3,723	3,789	3,804	3,807	3,858
Residents' Committees (RC) ¹	13,137	13,978	14,008	14,955	15,372	15,945	16,165
Neighbourhood Committees	2,047	2,324	2,593	2,908	3,224	3,454	3,877
Malay Activity Executive Committees	1,787	1,886	1,885	1,988	1,947	1,978	1,930
Indian Activity Executive Committees	1,681	1,788	1,733	1,838	1,882	1,873	1,902
Senior Citizens' Executive Committees	5,767	5,815	5,718	5,600	5,633	5,535	5,165
Youth Executive Committees	2,456	2,305	2,392	2,462	2,689	2,503	2,516
Women's Executive Committees	2,313	2,399	2,344	2,466	2,538	2,550	2,496
Community Emergency and Engagement Committees	2,319	2,240	2,160	2,105	2,131	2,146	2,156
Community Sports Clubs ²	2,046	2,160	2,073	2,147	2,137	2,214	2,178
T-Net Club Management Committees	146	147	140	147	161	163	155
Building Fund Committees	522	699	753	887	925	919	884
Constituency Grassroots Member Scheme	na	na	na	295	599	794	799
Welfare Service							
Total (Volunteers)	887	936	903	861	900	1,046	1,185
Welfare Service Boards/Committees	15	15	15	17	17	18	18
Volunteer Probation Officers	319	321	284	229	223	253	296
Volunteers in MSF Youth Homes ³	295	315	256	258	238	238	192
Enable-A-Family (EAF) Volunteer Scheme	58	58	76	76	77	89	129
Foster Parents ⁴	200	227	243	243	282	357	420
Volunteer Transport Minders ⁵	na	na	29	38	49	52	58
ProPALS ⁶	na	na	na	na	14	39	72

Sources : Ministry of Social and Family Development (MSF)
People's Association (PA)

Notes : CCCs = Citizens' Consultative Committees
The PA introduced the Grassroots Member Scheme in 2013.
Grassroots members can be appointed at the constituency level and to any grassroots organisations.

- 1 Includes RC Block Representatives.
- 2 Constituency Sports Clubs has been renamed to Community Sports Clubs in 2011.
- 3 Excludes institutions that are no longer part of the MSF Youth Homes.
- 4 Refers to the number of foster families under MSF's Fostering Scheme.
- 5 Volunteer Transport Minders support the routine and access to services for children and young persons under MSF's Child Protective Service. They assist to ferry children and young persons from their place of alternative care to schools, venues for contact with their families, medical appointments, counselling/therapy sessions. This scheme started in 2012.
- 6 ProPALS (Promoting Pathways in Arts, Leisure and Sports) started in Aug 2014. Data refer to the number of agencies/groups. Through the ProPALS scheme, volunteers motivate and inspire children and youths under the care of MSF in their journey towards transformation and growth through sports, arts and recreational initiatives that impart life lessons and build resilience. Volunteers share their expertise in sports, arts or other professional skills to increase competencies of children and youth, and also plan and implement programmes and activities.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14553>

25.3 NUMBER, CAPACITY AND ENROLMENT IN CHILD CARE CENTRES

	2010	2011	2012	2013	2014	2015	Number 2016
Number of Child Care Centres	855	944	1,002	1,077	1,148	1,243	1,332
Child care centres which also provide infant care services ¹	198	253	285	324	361	418	471
Capacity in Child Care Centres	75,738	84,665	91,387	100,388	109,856	121,698	135,224
Total Enrolment in Child Care Centres	66,193	73,547	79,679	86,124	92,932	99,175	106,155
Full-Day Programme	55,422	62,649	69,075	75,986	82,872	89,855	97,672
Anchor Operators ²	9,513	12,812	15,879	19,076	23,668	28,219	33,105
Voluntary Welfare Organisations	9,953	10,309	10,514	10,793	10,058	9,945	7,048
Private ³	35,956	39,528	42,682	46,117	49,146	51,691	43,059
Partner Operators ⁴	na	na	na	na	na	na	14,460
Half-Day Programme	8,509	8,811	8,504	7,940	7,230	6,912	6,362
Flexicare Programme	2,262	2,087	2,100	2,198	2,830	2,408	2,121

Sources : Early Childhood Development Agency, ECDA (with effect from Apr 2013)
 Ministry of Social and Family Development (between Nov 2012 to Mar 2013)
 Ministry of Community Development, Youth and Sports (prior to Nov 2012)

Notes : Annual data reported are presented as at October each year as it is when enrolment in child care centres peaks for the year, which is taken into account in the planning of child care capacity.

1 Infant care services cater for children aged 2 to 18 months.

2 Refers to the 5 operators appointed by ECDA under the Anchor Operator Scheme. They include PAP Community Foundation, My First Skool, MY World Preschool, Skool4Kidz, and E-Bridge Pre-school.

3 With effect from 2013, Workplace figures which were reported separately are subsumed under the Private category.

4 Refers to the 23 operators appointed by the ECDA under the Partner Operator Scheme introduced in 2016. More information are available in ECDA website (<https://www.ecda.gov.sg/parents/pages/POP.aspx#operators>).

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10366>

25.4 NUMBER AND ENROLMENT IN KINDERGARTENS

	2010	2011	2012	2013	2014	2015	Number 2016
Number of Kindergartens	493	495	504	498	503	492	480
Total Enrolment in Kindergartens	68,720	67,652	67,734	68,057	68,999	66,331	65,306
Anchor Operators ¹	37,506	37,372	36,447	35,015	33,302	30,142	27,943
Voluntary Welfare Organisations	20,769	20,155	20,657	21,398	24,282	23,899	23,622
Private	10,445	10,125	10,586	11,589	11,173	11,290	11,904
Government / Statutory Board ²	na	na	44	55	242	1,000	1,837

Source : Early Childhood Development Agency, ECDA

1 Refers to the 5 operators appointed by ECDA under the Anchor Operator Scheme. They include PAP Community Foundation, My First Skool, MY World Preschool, Skool4Kidz, and E-Bridge Pre-school.

2 Refers to the Ministry of Education Kindergartens and Preschool Learning Academy at Temasek Polytechnic.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10357>

25.5 COMCARE SCHEMES

(End of Period)

	Number of cases						
	2010	2011	2012	2013	2014	2015	2016
ComCare Long Term Assistance ¹ (also known as Public Assistance)	2,929	3,034	3,047	3,164	3,421	3,832	3,887
ComCare Short-to-Medium Term Assistance ^{1,2}	4,595	6,571	10,432	12,535	15,763	15,164	16,917
Student Care Fee Assistance ³	2,598	2,549	3,797	5,030	5,723	7,192	6,552

Source : Ministry of Social and Family Development

1 Refers to the number of active households under the Scheme.

2 ComCare Short-to-Medium Term Assistance comprises schemes that were previously known as Work Support Programme and ComCare Transitions.

3 Refers to the number of active individual beneficiaries under the Scheme.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10402>

25.6 SENIOR ACTIVITY CENTRES

	2011	2012	2013	2014	2015	2016
Number of Senior Activity Centres	43	52	53	59	61	67
Number of Seniors Having Access to Senior Activity Centres	23,000	25,531	27,546	28,995	28,415	30,896

Source : Ministry of Social and Family Development

Notes : Senior Activity Centres are drop-in centres which provide social and recreational activities for seniors.
Data refer to the Government's financial year which begins in April of the current year and ends in March of the following year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10418>

25.7 RESIDENTS IN OLD FOLKS' HOMES BY TYPE OF ORGANISATION AND SEX

(End of Period)

	2010	2011	2012	2013	2014	2015	Number 2016
Total	9,755	9,904	10,016	10,410	10,547	11,078	11,712
Males	4,603	4,765	4,848	5,130	5,198	5,606	6,089
Females	5,152	5,139	5,168	5,280	5,349	5,472	5,623
Government Welfare Homes ¹	1,173	1,189	1,221	1,147	1,146	1,251	1,263
Males	923	938	963	885	875	980	995
Females	250	251	258	262	271	271	268
Sheltered Homes	670	697	689	698	685	673	666
Males	330	343	341	354	350	338	341
Females	340	354	348	344	335	335	325
Voluntary Nursing Homes	5,033	4,979	4,978	5,295	5,418	5,903	6,253
Males	2,173	2,142	2,155	2,386	2,475	2,819	3,060
Females	2,860	2,837	2,823	2,909	2,943	3,084	3,193
Commercial Nursing Homes	2,879	3,039	3,128	3,270	3,298	3,251	3,530
Males	1,177	1,342	1,389	1,505	1,498	1,469	1,693
Females	1,702	1,697	1,739	1,765	1,800	1,782	1,837

Sources : Government Welfare Homes and Sheltered Homes
 Ministry of Social and Family Development (with effect from Nov 2012)
 Ministry of Community Development, Youth and Sports (prior to Nov 2012)
 Voluntary Nursing Homes and Commercial Nursing Homes - Ministry of Health

1 Data include only those aged 60 years and above.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10281>

25.8 FAMILY SERVICE CENTRES

	Unit	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Number of Centres	No.	36	38	39	43	43	46	46
Casework and Counselling	Cases	24,983	26,386	28,695	31,074	32,844	28,486	25,050
Information and Referral	No.	36,941	38,655	36,091	38,054	40,707	37,036	27,198

Source : Ministry of Social and Family Development

Notes : Data refer to the Government's financial year which begins in April of the current year and ends in March of the following year.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10401>

26



Culture and Recreation

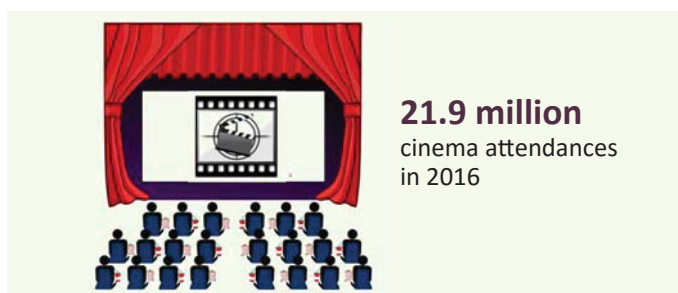


Singapore aims to be a vibrant city of the arts, culture and media, and a sporting and learning nation, so as to provide a better quality of life for all.

Cinema



Data on cinema attendances are compiled by the Singapore Department of Statistics from returns submitted by cinema organisations. Prior to April 1994, they were obtained from the Singapore Customs. Total attendances are based on the number of tickets sold.



Library



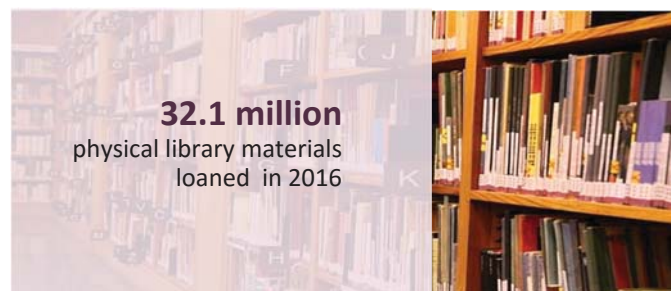
The National Library Board (NLB) aims to nurture the learning needs of a Knowledgeable Society, where all Singaporeans are Readers for Life and are actively engaged in Learning Communities. NLB has a membership of around 2.4 million. In addition to the National Library, there are 26 public libraries located conveniently across Singapore. This consists of 13 libraries located in shopping malls, 10 stand-alone public libraries and 3 regional libraries. NLB also manages 7 libraries belonging to government agencies and institutions.

NLB has a physical collection totalling 7.5 million books, serials and special materials. Out of this collection, some 2.8 million fiction items and 3.7 million non-fiction items are in the lending collection. Over 32 million loans were made on them.

The reference collection offered by the Lee Kong Chian Reference Library at the

National Library Building consists of over 730,000 items covering social sciences and humanities, arts, science and technology, business and management.

NLB also provides library users with on-site and remote access to a digital library at www.nlb.gov.sg. Its eResources site offers more than 4 million copies of eBooks, over 80 databases with more than 5,000 titles of electronic newspapers in 60 languages, and approximately 1.9 million music tracks.



Sports



As the national sports agency, Sport Singapore recognises the value of sport to transform the nation by advancing the national priorities of developing our people, bonding our communities and strengthening national identity and pride.

In line with *Vision 2030: Live Better Through Sport* recommendations, Sport Singapore uses sport to create greater sporting opportunities and access, more inclusivity and integration, as well as broader development of capabilities. Sport Singapore collaborates with a vast network of public, private and people sector partners to enable individuals to live better through sport.

Through its Sport Facilities Master Plan & ActiveSG, the national movement for sport and physical activity, Sport Singapore creates opportunities for Singaporeans of all ages and abilities to conveniently participate in sport within their communities anytime and anywhere.

Culture and Recreation ■



SportCares activates sport as a force for social good, enabling Persons With Disabilities (PWDs) and vulnerable groups to lead more enriched and fulfilling lives through personal empowerment, social inclusion and bridging communities through sport.

Team Nila, the national volunteer movement, empowers individuals to give back to society through sport and to contribute to the nation as One Team Singapore.



Lifeskills and Lifestyle Courses and Interest Groups



The People's Association (PA) and its grassroots network promote friendship and trust amongst residents of all races and backgrounds through its wide range of community activities and courses pertaining to arts and lifestyle, education and lifeskills, performing arts and sports. These are held at Community Clubs, Resident's Committee Centres, Water Venture Centres and other community spaces. The PA also encourages the formation of interest groups for residents to deepen their friendships through the pursuit of common interests.

The Arts

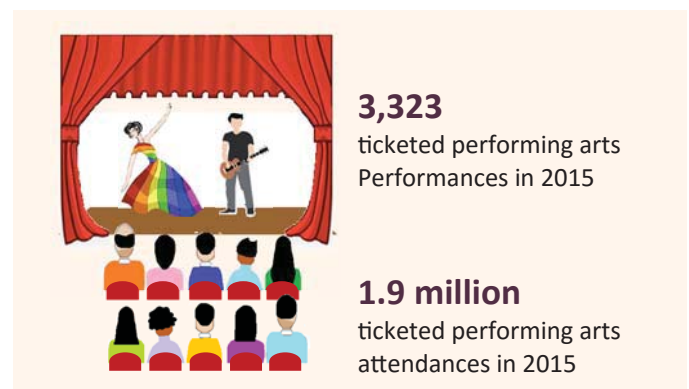


The Ministry of Culture, Community and Youth (MCCY)'s publication "Singapore Cultural Statistics", published annually since 2008, provides an update on the state of the arts and cultural landscape in Singapore. The statistics reported in this publication include data on arts and cultural performance, heritage events and museum exhibitions.

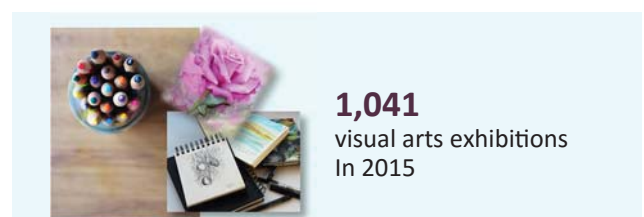
Definitions



Performing arts: Refers to folk, traditional, classical, contemporary and popular forms of dance, music and theatre performances. Community arts and cultural events such as cultural festivals and district arts festivals are included.



Visual arts: Refers to public exhibitions of abstract or representational art objects such as paintings, prints, sculpture, pottery, ceramics, creative photography, installation art and multi-media art. Applied arts like film, video, graphic design, fashion design, jewellery design and handicrafts are excluded.



26.1 CINEMAS, SEATING CAPACITY AND ATTENDANCES

	Unit	2010	2011	2012	2013	2014	2015	2016
Cinemas	No. of Screens	167	186	187	207	220	231	241
Seating Capacity	'000	33	36	35	38	38	40	41
Attendances	Million	20.3	22.1	21.2	22.1	21.6	21.9	21.9

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5323>

26.2 NATIONAL LIBRARY BOARD LIBRARY MEMBERSHIP, COLLECTIONS AND LOANS

	Unit	2010	2011	2012	2013	2014	2015	2016
National Library	No.	1	1	1	1	1	1	1
Public Library	No.	22	24	24	25	25	26	26
Membership ¹	'000	2,043.2	2,056.0	2,109.0	2,213.5	2,259.8	2,315.9	2,378.1
Persons Aged 13 years and Over	'000	1,741.5	1,750.6	1,815.6	1,932.9	1,989.0	2,052.1	2,105.7
Children Under 13 Years	'000	301.7	305.4	293.4	280.5	270.8	263.8	272.4
Total Physical Collections ²	'000	8,446.7	8,657.7	8,303.0	8,090.7	8,726.2	7,899.8	7,549.9
Total eBooks Collections ³	'000	1,218.7	2,338.3	3,155.6	3,225.6	3,522.0	4,145.1	4,579.7
Loan of Physical Library Materials ⁴	'000	33,150.2	36,504.2	38,082.6	35,537.4	34,034.7	31,824.4	32,061.7
Persons Aged 13 Years and Over	'000	21,785.4	26,310.4	26,802.9	25,606.8	22,411.0	20,868.8	20,965.4
Children Under 13 Years	'000	11,364.8	10,193.8	11,279.7	9,930.5	11,623.8	10,955.6	11,096.3
eBook Usage ⁵	'000	3,485.9	4,406.2	7,483.7	10,611.7	10,758.4	11,504.3	11,680.2

Source : National Library Board

1 Includes membership from public libraries only and excludes members who have no library transactions in the past 5 years.

2 Includes books, serials and special materials (namely, Art Print, Compact disc, Compact disc interactive, Computer File, CD-ROMs, DVD, VCD, Filmstrip, Kit, Map, Microfiche, Microfilm, Music score, Recorded disc, Talking books, Tape recording, Tape slide, Videocassette, Videodisc and Laserdisc, braille, game, motion picture, wall chart, picture collection, ephemera and manuscript).

3 Refers to the total number of eBooks copies made available on e-resources website such as Apabi, Overdrive and Tumblebooks.

4 Includes loans of physical books, magazines and AV materials (such as Video Tapes, VCDs, CDs, CD-Roms, DVDs and music scores) borrowed from public libraries only.

5 Includes different types of usage such as loans, page views, downloads and checkouts.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=12909>

26.3 VISITORS TO PLACES OF INTEREST

	Thousand						
	2010	2011	2012	2013	2014	2015	2016
Asian Civilisations Museum ^{1,2}	777.3	814.4	524.0	452.4	423.2	349.6	534.3
Chinese/Japanese Gardens	874.5	963.0	911.0	693.1	951.0	939.5	1,314.4
Gardens by the Bay ³	na	na	2,920.1	4,555.8	6,375.1	8,514.5	8,763.4
Indian Heritage Centre ⁴	na	na	na	na	na	195.0	na
Jurong BirdPark	882.2	909.0	901.4	777.6	717.4	810.1	772.1
Malay Heritage Centre ⁵	na	14.0	185.8	152.3	166.5	445.2	na
National Gallery Singapore ⁶	40.0	na	na	na	na	275.6	1,585.3
National Museum of Singapore ¹	847.1	932.6	898.9	1,199.0	902.1	774.6	777.4
Night Safari	1,129.5	1,098.5	1,163.4	1,168.0	1,179.8	1,159.0	1,150.5
Sentosa ^{7,8}	19,100.0	19,000.0	20,500.0	18,600.0	19,400.0	19,500.0	19,300.0
Singapore Art Museum ^{1,9}	639.7	636.6	656.1	729.1	743.7	903.4	732.9
Singapore Discovery Centre ⁷	165.0	195.0	194.8	212.3	209.8	270.0	210.0
Singapore Philatelic Museum ¹	105.1	115.9	123.0	117.5	142.1	152.7	160.2
Science Centre Singapore	1,125.5	1,053.8	969.2	899.5	952.3	1,046.0	955.8
Singapore Zoological Gardens	1,630.5	1,670.1	1,756.4	1,804.1	1,678.2	1,833.4	1,797.0
The Peranakan Museum ¹	224.8	234.4	272.0	373.9	415.3	475.7	508.4
River Safari ¹⁰	na	na	na	703.2	1,144.6	843.1	842.9

Sources : National Heritage Board Singapore Discovery Centre Jurong BirdPark Pte Ltd
 National Gallery Singapore Singapore Art Museum Night Safari
 Science Centre Singapore Jurong Gardens Pte Ltd Sentosa Development Corporation
 Singapore Zoological Gardens River Safari Gardens by the Bay

- 1 Visitorship to the museums is counted using an automatic tracking system, a device which is fixed at entrances to the museums. All visitors who access the museum premises are captured in the count, regardless of whether the entries are based on paid admissions or those not requiring payment.
- 2 Includes visitors to Asian Civilisations Museum at Empress Place Building.
- 3 Gardens by the Bay was officially opened on 29 June 2012.
- 4 The Indian Heritage Centre opened on 7 May 2015.
- 5 Visitorship to the Malay Heritage Centre prior to 2015 is not directly comparable to future years due to updates in the data collection method.
- 6 Visitorship to the National Gallery Singapore in 2010 was due to the Open House held at the former Supreme Court building. The National Gallery Singapore opened officially on 24 November 2015.
- 7 Refers to the financial year which begins in April of the current year and ends in March of the following year.
- 8 From April 2009, Southern Island arrivals have been excluded from Sentosa visitorship. From February 2010, Sentosa's visitorship includes arrivals to Resorts World Sentosa.
- 9 Singapore Art Museum (SAM) had been incorporated as an independent company limited by guarantee in Nov 2013. From Jan 2014, visitorship data are provided by SAM. Visitorship data include visitors to SAM at 8Q.
- 10 River Safari was officially opened on 3 April 2013.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1877>

26.4 UTILISATION OF SPORTS FACILITIES

	Number						
	2010	2011	2012	2013	2014	2015	2016
Attendances							
Swimming pool	7,163,669	6,939,334	7,034,166	6,724,546	6,870,183	6,898,517	7,081,651
Gymnasium	1,823,321	1,984,865	2,298,340	2,523,844	2,562,218	2,554,524	2,451,235
Bookings							
Total	699,973	836,591	933,687	933,589	1,041,967	1,162,779	1,161,428
Badminton ¹	401,390	472,852	538,381	526,660	579,431	638,485	669,217
Tennis	115,900	129,244	141,621	133,227	161,888	168,182	155,931
Table-tennis ¹	61,081	72,710	86,706	84,104	96,274	105,218	116,237
Basketball ¹	19,726	27,977	27,646	39,362	41,883	34,661	33,978
Squash	25,119	32,902	34,479	37,610	41,742	54,973	54,704
Soccer	19,687	24,122	29,487	27,944	29,074	28,470	27,133
Volleyball ¹	9,895	13,116	14,182	13,988	21,188	29,418	29,540
Netball	6,728	6,702	7,549	7,651	7,339	9,427	6,380
Hockey	3,748	4,449	4,800	5,345	5,268	6,601	5,933
Rugby	444	401	608	533	399	521	638
Athletics	509	411	324	277	642	2,358	2,939
Others ²	35,746	51,705	47,904	56,888	56,839	84,465	58,798

Source : Sport Singapore

Notes : Refers to sports facilities provided by Sport Singapore.
Prior to Apr 2014, data were from Singapore Sports Council. With effect from Apr 2014, data are from Sport Singapore.

1 Refers to bookings of sports hall facilities managed by Sport Singapore.

2 Refers to other bookings at sports hall facilities managed by Sport Singapore, eg floorball etc.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1880>

26.5 INTEREST GROUPS IN COMMUNITY CLUBS AND RESIDENTS' COMMITTEES

(End of Period)

Type of Interest Groups	Number					
	2011	2012	2013	2014	2015	2016
Number of Interest Groups						
Sports	2,507	2,810	2,856	3,820	3,999	4,291
Adventure	20	25	32	40	43	45
Ball Games	545	573	557	651	656	709
Health & Fitness	833	931	958	1,099	1,114	1,163
Hobby	na	na	na	294	315	356
Lifestyle	na	na	na	77	136	151
Martial Arts	734	858	860	974	981	1,018
Mind Games	na	na	na	121	129	138
Precision Sports	26	27	24	26	29	32
Racket Games	248	277	274	324	338	351
Recreational Sports	35	51	82	133	173	213
Water Sports	66	68	69	81	85	115
Performing Arts	1,733	1,888	1,999	2,406	2,495	2,622
Band	50	52	53	73	74	73
Culture Appreciation Club ¹	102	114	117	61	66	50
Dance	531	623	680	906	963	1,030
Music	158	169	238	294	300	313
Theatre	113	107	104	137	140	150
Vocal	779	823	807	935	952	1,006
Number of Members						
Sports	82,774	98,395	100,924	127,981	132,967	130,916
Adventure	198	312	407	603	686	710
Ball Games	4,898	6,196	6,014	8,626	9,057	9,729
Health & Fitness	61,775	73,231	75,024	84,369	85,444	80,016
Hobby	na	na	na	4,499	4,981	5,732
Lifestyle	na	na	na	2,061	3,191	3,402
Martial Arts	10,867	13,993	14,655	18,621	18,915	18,998
Mind Games	na	na	na	1,682	1,913	1,998
Precision Sports	451	346	340	558	596	718
Racket Games	2,305	2,825	2,810	4,313	4,803	5,250
Recreational Sports	360	688	993	1,712	2,249	2,860
Water Sports	1,920	804	681	937	1,132	1,503
Performing Arts	16,706	22,898	24,767	36,766	39,666	41,975
Band	386	482	472	872	973	964
Culture Appreciation Club ¹	819	1,161	1,078	701	745	516
Dance	5,519	8,905	10,004	16,090	18,035	19,764
Music	1,703	1,987	2,569	3,932	4,078	4,463
Theatre	1,319	1,250	1,057	1,928	2,012	2,110
Vocal	6,960	9,113	9,587	13,243	13,823	14,158

Source : People's Association (PA)

¹ With effect from 2014, some interest groups and members that were previously classified under "Culture Appreciation Club" have been re-classified into other categories.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5275>

26.6 SPORTS AND PERFORMING ARTS COURSES CONDUCTED BY COMMUNITY CLUBS, RESIDENTS' COMMITTEES AND PA WATER-VENTURE

Type of Course	Number						
	2010	2011	2012	2013	2014	2015	2016
Classes							
Sports	13,957	14,654	14,310	12,667	14,648	15,674	14,466
Ball Games	572	591	411	318	349	415	258
Board / Intellectual Games	106	42	41	115	96	103	105
Keep Fit	6,029	5,793	5,496	5,940	7,437	7,814	7,759
Martial Arts	4,976	4,793	4,220	3,408	3,939	4,533	3,895
Performing Sports	674	618	518	448	529	530	417
Water Sports	1,600	2,817	3,624	2,438	2,298	2,279	2,032
Performing Arts	20,385	20,433	19,578	17,269	19,039	19,316	18,403
Dance	8,910	9,022	9,055	8,507	9,634	9,776	9,976
Drama ¹	272	250	207	173	214	242	235
Music	7,748	7,439	7,015	6,162	6,304	6,376	5,367
Vocal	3,455	3,722	3,301	2,427	2,887	2,922	2,825
Participants							
Sports	231,361	224,675	211,700	196,102	228,279	246,264	225,116
Ball Games	7,138	7,184	4,080	3,331	3,378	4,343	2,987
Board / Intellectual Games	1,466	388	449	1,175	657	1,041	532
Keep Fit	108,022	96,835	89,943	104,921	129,772	137,832	125,749
Martial Arts	86,256	83,495	76,226	62,804	70,444	77,608	75,051
Performing Sports	7,542	7,480	5,514	4,114	5,125	5,446	4,268
Water Sports	20,937	29,293	35,488	19,757	18,903	19,994	16,529
Performing Arts	190,143	190,625	176,849	150,262	163,777	167,317	158,708
Dance	108,474	107,581	104,412	92,793	100,456	101,748	98,178
Drama ¹	4,022	3,598	2,951	2,665	3,010	3,042	2,831
Music	25,527	25,847	22,263	18,212	18,283	20,344	15,120
Vocal	52,120	53,599	47,223	36,592	42,028	42,183	42,579

Source : People's Association (PA)

¹ Excludes playgroup.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3418>

26.7 THE ARTS

Art Form	Number						
	2009	2010	2011	2012	2013	2014	2015
Performing Arts							
Ticketed Performances	2,295	2,267	3,416	3,497	3,006	3,256	3,323
Ticketed Attendances ¹	1,169,352	1,577,737	2,311,313	2,062,124	1,897,162	1,876,922	1,946,322
Visual Arts Exhibitions							
Number	915	999	858	675	559	973	1,041
Days	21,479	26,266	22,867	17,883	16,115	31,678	26,271

Sources : National Arts Council
People's Association

1 Refers to attendance at performing arts events that require a ticket for entry. Includes tickets sold and complimentary tickets issued.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1881>

26.8 REGISTERED ARTS SOCIETIES AND COMPANIES

(End of Period)

Art Forms	Number		
	2013	2014	2015
Societies ¹			
Total	478	487	502
Music	147	152	160
Dance	45	45	48
Theatre	92	94	95
Visual Arts	80	81	81
Craft	5	5	5
Literary Arts	58	58	59
Others ²	51	52	54
Companies ³			
Total	5,486	5,412	5,749
Music	1,555	1,671	1,787
Dance	369	438	476
Theatre	481	493	513
Visual Arts	1,171	1,161	1,243
Craft	666	565	600
Literary Arts	1,187	1,015	1,038
Others ⁴	57	69	92

Source : National Arts Council

1 Includes arts societies registered under the Registry of Societies.

2 Includes cultural societies and societies that are multi-disciplinary or cover multiple art forms.

3 Refers to commercial (for-profit) and non-profit companies registered with the Accounting and Corporate Regulatory Authority. The number of arts companies include companies that (i) play a role in content creation/distribution such as sound recording production companies, publishing companies, (ii) deal with retailed musical instruments and photographic equipments, photographic equipments, (iii) conduct classes/courses in the arts (e.g. dance, music schools) as well as new categories of arts companies involved in crafts and literary arts.

4 Includes companies such as artist management companies and educational companies that do not fit in neatly into a certain art form

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14522>

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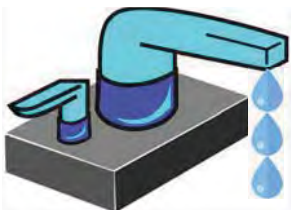
Miscellaneous



Water Supply

PUB, the national water agency, is responsible for managing Singapore's water supply, water catchment and used water in an integrated way. To ensure sustainability of Singapore's water supply, efforts are taken to diversify the supply sources and manage demand.

Singapore's water supply is diversified through the four National Taps, namely, water from local catchments, imported water from Johor, NEWater and desalinated water. Potable water is supplied to all parts of Singapore and treated to a quality well within the World Health Organisation's Guidelines for Drinking Water Quality. PUB works with the community and various sectors to adopt water conservation measures, such as promoting good water habits and improving efficient use of water as part of water demand management.



517.0 million m³/year of portable water was sold in 2016

Electricity

The Energy Market Authority (EMA) was formed in April 2001 to ensure a reliable and secure energy supply, promote effective competition in the energy market, and develop a dynamic energy sector in Singapore.

There are currently 15 power generation companies in the electricity market, with 7 of them generating electricity using mainly natural gas:

- ◆ Keppel Merlimau Cogen Pte Ltd
- ◆ PacificLight Power Pte Ltd
- ◆ Sembcorp Cogen Pte Ltd

- ◆ Senoko Energy Pte Ltd
- ◆ Tuas Power Generation Pte Ltd
- ◆ Tuaspring Pte Ltd
- ◆ YTL PowerSeraya Pte Ltd

The National Environment Agency (NEA), Keppel Seghers Tuas Waste-To-Energy Plant Pte Ltd and Senoko Waste-To-Energy Pte Ltd operate incineration plants and sell the electricity generated from these plants. TP Utilities Pte Ltd generates electricity using mainly coal-biomass. ExxonMobil Asia Pacific Pte Ltd and Shell Eastern Petroleum Pte Ltd generate electricity mainly for their own use. Singapore Refinery Company Pte Ltd and TuasOne Pte Ltd plan to start generating electricity in 2017 and 2018 respectively.

The power generation companies bid to sell electricity every half hour through the National Electricity Market of Singapore (NEMS), a real-time electricity trading pool operated and administered by the Energy Market Company.

As at end December 2016, there was a 126.1 MWp (megawatt-peak) of grid-connected solar photovoltaic capacity. The total registered power generation capacity was 13,348 MW. The total amount of electricity produced in 2016 was 51,586.6 GWh and the peak demand was 7,149 MW.



51,586.6 gigawatt hours of electricity was generated in 2016

Since 2001, EMA has progressively opened the electricity retail market to competition. Today, commercial and industrial consumers with an average monthly electricity consumption of at least 2,000 kWh can buy electricity from electricity retailers of their choice instead of

Miscellaneous ■

at the regulated tariff from SP Group. EMA is working towards empowering the remaining 1.3 million small consumers consisting mainly of households, to enjoy the choice of buying electricity from retailers at market prices or remain on the regulated tariff.

There are currently 25 licensed electricity retailers competing to sell electricity to contestable consumers, namely:

- ◆ Best Electricity Supply Pte Ltd
- ◆ Buri Energy Pte Ltd
- ◆ Charis Electric Pte Ltd
- ◆ Cleantech Solar Management Company Pte Ltd
- ◆ Diamond Energy Merchants Pte Ltd
- ◆ Energy Supply Solutions Pte Ltd
- ◆ Environmental Solutions (Asia) Pte Ltd
- ◆ Hyflux Energy Pte Ltd
- ◆ I Switch Pte Ltd
- ◆ Just Electric Pte Ltd
- ◆ Keppel Electric Pte Ltd
- ◆ MyElectric Pte Ltd
- ◆ PacificLight Energy Pte Ltd
- ◆ Red Dot Power Pte Ltd
- ◆ SembCorp Power Pte Ltd
- ◆ Senoko Energy Supply Pte Ltd
- ◆ Seraya Energy Pte Ltd
- ◆ SilverCloud Energy Pte Ltd
- ◆ SmartCity Electric Pte Ltd
- ◆ Sun Electric Power Pte Ltd
- ◆ Sunseap Energy Pte Ltd
- ◆ Tuas Power Supply Pte Ltd
- ◆ Union Power Pte Ltd
- ◆ ValuElectric Pte Ltd
- ◆ Virtuse Group Lte Ltd

Piped Gas Industry

The gas industry in Singapore consists of two separate gas networks - the town gas network and the natural gas network.

The town gas network serves about 59% of households in Singapore and is used mainly for cooking and water heating by domestic and commercial customers. Total town gas sold in 2016 was 1,740 million kWh.



1,740.6 million units
of town gas was sold in
2016.

Natural gas is used mainly for power generation. In 2016, natural gas contributed to about 95% of the total electricity generated.

To diversify our energy sources and meet the rising demand for energy, Singapore imports Liquefied Natural Gas (LNG) from across the world. The LNG terminal currently has a throughput capacity of 6 million tonnes per annum.

Waste Management

Over the last four decades, Singapore has seen an increase in the amount of solid waste generated.

Waste generated in Singapore is broadly classified into two categories. They are:

- i) Domestic waste: Collected from residential premises, markets, food retail outlets, schools and trade premises; and
- ii) Non-domestic waste: Collected from commercial and industrial premises.



3.05 million tonnes
of waste was disposed of
in 2016.

With limited land resources available for waste disposal, the National Environment Agency (NEA) has adopted the following strategies

Miscellaneous ■

to manage the growth in solid waste generation:

- a) Minimise and segregate waste at source;
- b) Develop cost-effective collection, recycling and disposal systems;
- c) Build a resource-efficient society; and
- d) Maximise lifespan of landfill.



4.77 million tonnes of waste was recycled in 2016.

Today, Singapore has in place an integrated solid waste management system. Waste that is not segregated at source for recycling is collected and sent to disposal facilities. Incinerable waste is disposed of safely at waste-to-energy plants, while non-incinerable waste and ash residue from the incineration process are disposed of at the offshore Semakau Landfill.

Fire Occurrences

The mission of the Singapore Civil Defence Force (SCDF) is to protect and save lives and property for a safe and secure Singapore. SCDF compiles data on fire occurrences.



4,114 fire occurrences in 2016.

Definitions

Residential buildings: Refers to all buildings, either permanent or temporary, used for residential purposes only, such as bungalows, private and public housing, semi-detached and terrace houses. They do not include boarding houses, hostels and hotels.

Non-residential buildings: Refers to all buildings, either permanent or temporary, used for other than residential purposes, such as commercial, industrial, social and communal.

Non-building structures: Refers to all properties or structures other than buildings, such as discarded materials, electrical cables, vegetation, vehicles and vessels.

Criminal Offences

Singapore's crime statistics are compiled from offences reported to the police during the reference period and not at the time the offences were actually committed.



Crime rate was **588** per 100,000 population.

Bankruptcy Applications, Orders Made and Discharges

A bankruptcy application is filed with the High Court by the creditor or the debtor himself.

Upon hearing the bankruptcy application, the High Court may make a bankruptcy order declaring the individual a bankrupt.

A bankruptcy discharge refers to the conclusion of the bankruptcy of an individual. The individual is no longer subject to the restrictions and disabilities of a bankrupt after his discharge.

Bankruptcy Statistics, 2016



2,704
bankruptcy
applications



1,797
bankruptcy
orders made



4,359
bankruptcy
discharges

27.1 WATER SALES AND WATER PRICES ¹

	Unit	2010	2011	2012	2013	2014	2015	2016
Sales of Potable Water	Million m ³ per year	476.1	478.4	490.9	498.6	506.3	514.7	517.0
Domestic	Million m ³ per year	281.0	281.3	284.4	286.7	291.2	297.1	301.4
Non-domestic	Million m ³ per year	195.1	197.2	206.5	211.9	215.1	217.6	215.6
Sales of NEWater	Million m ³ per year	96.4	102.4	111.4	114.1	117.1	124.8	126.6
Sales of Industrial Water	Million m ³ per year	24.5	23.1	25.3	27.6	27.6	25.0	21.0
Potable Water Price for Domestic Users, 0-40m ²	\$ per m ³	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Tariff	\$ per m ³	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Water Conservation Tax	\$	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Waterborne Fee	\$	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Sanitary Appliance Fee ²	\$ per fitting	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Potable Water Price for Domestic Users, > 40m ²	\$ per m ³	2.61	2.61	2.61	2.61	2.61	2.61	2.61
Tariff	\$ per m ³	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Water Conservation Tax	\$	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Waterborne Fee	\$	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Sanitary Appliance Fee ²	\$ per fitting	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Potable Water Price for Non-domestic Users	\$ per m ³	2.15	2.15	2.15	2.15	2.15	2.15	2.15
Tariff	\$ per m ³	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Water Conservation Tax	\$	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Waterborne Fee	\$	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Sanitary Appliance Fee ²	\$ per fitting	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Potable Water Price for Shipping Customers	\$ per m ³	3.06	3.06	3.06	3.06	3.06	3.06	3.06
Tariff	\$ per m ³	1.92	1.92	1.92	1.92	1.92	1.92	1.92
Water Conservation Tax	\$	0.58	0.58	0.58	0.58	0.58	0.58	0.58
Waterborne Fee	\$	0.56	0.56	0.56	0.56	0.56	0.56	0.56
NEWater Price	\$ per m ³	1.66	1.66	1.78	1.78	1.78	1.78	1.78
Tariff	\$ per m ³	1.10	1.10	1.22	1.22	1.22	1.22	1.22
Waterborne Fee	\$	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Industrial Water Price	\$ per m ³	0.46	0.52	0.58	1.21	1.21	1.21	1.21
Tariff	\$ per m ³	0.46	0.52	0.58	0.65	0.65	0.65	0.65
Waterborne Fee	\$	na	na	na	0.56	0.56	0.56	0.56

Sources : Ministry of the Environment and Water Resources
PUB, Singapore's national water agency

Notes : Data on water prices are as at end of December of each year.

1 Water is charged by per cubic metre (m³), which is equivalent to 1,000 litres. Excludes Goods and Services Tax.

2 For the calculation of total price, the Sanitary Appliance Fee is converted to its volumetric equivalent.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1889>
<http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14539>

27.2 ELECTRICITY GENERATION, CONSUMPTION AND TARIFFS

	Unit	2010	2011	2012	2013	2014	2015	2016
Electricity Generation ¹	GWh	45,366.5	45,999.4	46,936.2	47,963.5	49,309.7	50,271.6	51,586.6
Electricity Consumption ²	GWh	42,251.8	43,007.2	44,200.6	44,948.7	46,402.9	47,513.8	48,626.4
Industrial-related	GWh	17,662.5	18,077.4	18,572.4	18,842.7	19,753.2	20,088.0	20,418.4
Manufacturing	GWh	16,452.8	16,756.6	17,116.7	17,241.9	17,993.7	18,279.7	18,370.8
Construction	GWh	337.8	363.0	443.7	490.5	527.1	531.0	551.6
Utilities	GWh	843.4	928.5	978.9	1,074.8	1,198.0	1,235.1	1,450.2
Other Industrial-related	GWh	28.5	29.3	33.1	35.5	34.4	42.2	45.9
Commerce and Service-related	GWh	15,469.7	15,876.3	16,366.1	16,718.6	17,046.6	17,481.0	17,699.0
Wholesale and Retail Trade	GWh	1,923.0	1,898.8	1,909.4	1,967.1	2,020.5	2,107.4	2,073.4
Accommodation and Food Services	GWh	1,219.6	1,251.4	1,275.1	1,326.6	1,332.3	1,350.2	1,453.2
Information and Communications	GWh	925.5	988.6	1,084.4	1,149.1	1,294.5	1,426.7	1,848.0
Financial and Insurance Activities	GWh	1,927.0	2,003.2	2,204.2	2,257.9	2,574.1	2,718.1	2,361.7
Real Estate Activities	GWh	4,346.2	4,454.7	4,522.6	4,532.4	4,485.7	4,454.6	4,496.5
Professional, Scientific & Technical, Administration & Support Activities	GWh	885.8	934.1	930.8	932.7	681.0	713.7	683.5
Other Commerce and Service-related	GWh	4,242.7	4,345.5	4,439.6	4,552.8	4,658.5	4,710.3	4,782.8
Transport-related	GWh	2,098.7	2,224.2	2,328.6	2,369.1	2,441.0	2,444.8	2,639.5
Households	GWh	6,636.0	6,482.7	6,629.5	6,754.9	6,924.4	7,220.9	7,589.4
Others	GWh	384.9	346.6	304.0	263.4	237.7	279.1	280.0

(continued on the next page)

Source : Energy Market Authority

Notes : Data on industries are classified according to the Singapore Standard Industrial Classification 2015.

1 Data reflect the gross generation in the system.

From Jan 2016, data include output from solar generation.

2 Refers to the total electricity consumption by end users, including (embedded) consumption by autoproducers.

From Jan 2016, data include consumption of output from solar generation.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=3726>

27.2 ELECTRICITY GENERATION, CONSUMPTION AND TARIFFS *(continued)*

	Unit	2010	2011	2012	2013	2014	2015	2016
Electricity Tariff ³								
Low Tension Supplies								
Domestic	¢ per kWh	na	na	27.93	26.25	25.59	21.73	18.90
Non-Domestic	¢ per kWh	na	na	27.93	26.25	25.59	21.73	18.90
High Tension Small Supplies								
Contracted Capacity Charge	\$ per kW per month	na	na	6.96	7.36	7.49	7.99	8.31
Uncontracted Capacity Charge	\$ per chargeable kW per month	na	na	10.44	11.04	11.24	11.98	12.46
Peak period (7.00 am to 11.00 pm)	¢ per kWh	na	na	26.54	24.39	23.58	19.09	15.85
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	na	na	16.25	14.96	14.35	11.69	9.66
Reactive Power Charge	¢ per chargeable kVARh	na	na	0.59	0.59	0.59	0.59	0.59
High Tension Large Supplies								
Contracted Capacity Charge	\$ per kW per month	na	na	6.96	7.36	7.49	7.99	8.31
Uncontracted Capacity Charge	\$ per chargeable kW per month	na	na	10.44	11.04	11.24	11.98	12.46
Peak period (7.00 am to 11.00 pm)	¢ per kWh	na	na	26.32	24.17	23.36	18.87	15.63
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	na	na	16.24	14.95	14.34	11.68	9.65
Reactive Power Charge	¢ per chargeable kVARh	na	na	0.59	0.59	0.59	0.59	0.59
Extra High Tension Supplies								
Contracted Capacity Charge	\$ per kW per month	na	na	6.52	6.81	6.90	7.26	7.50
Uncontracted Capacity Charge	\$ per chargeable kW per month	na	na	9.78	10.21	10.35	10.89	11.25
Peak period (7.00 am to 11.00 pm)	¢ per kWh	na	na	25.36	23.22	22.41	17.99	14.79
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	na	na	16.14	14.84	14.23	11.59	9.56
Reactive Power Charge	¢ per chargeable kVARh	na	na	0.48	0.48	0.48	0.48	0.48

Source : SP Group

³ Excludes Goods and Services Tax.Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14516>

27.3 GAS SALES AND TARIFFS

	Unit	2010	2011	2012	2013	2014	2015	2016
Piped Gas Sales (Town Gas)	Million Units	1,535.2	1,599.4	1,641.3	1,662.7	1,666.2	1,695.4	1,740.6
Domestic	Million Units	627.6	642.2	663.6	671.2	687.9	711.7	730.3
Non-Domestic	Million Units	907.6	957.2	977.7	991.6	978.4	983.9	1,010.3
Liquefied Petroleum Gas Sales	Net Tonnes	113,653.1	104,582.0	103,610.5	105,601.5	95,396.9	96,820.2	93,551.2
Piped Gas Tariffs ¹ (Town Gas)								
General Tariff	¢ per kWh	18.73	18.93	21.61	21.11	21.02	18.37	16.62
Bulk Tariff A ²	¢ per kWh	17.73	17.92	20.61	20.11	20.02	17.36	15.61
Bulk Tariff B ³	¢ per kWh	17.23	17.42	20.12	19.61	19.52	16.86	15.10

Sources : Liquefied Petroleum Gas Sales - Singapore Department of Statistics
Piped Gas Sales - City Gas Pte Ltd

Notes : One unit is equivalent to one kilowatt hour.
Piped Gas Tariffs - Annual data are the average of the monthly tariff from January to December of that year.

1 Data excludes Goods and Services Tax.

Historical town gas tariffs are available from CityGas's Website (<http://www.citygas.com.sg/forhome/useful-info-2/gas-tariffs/>)

2 The minimum consumption is 1,000 kWh of gas per month.

3 The minimum consumption is 50,000 kWh of gas per month.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1887>

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14833>

27.4 WASTE DISPOSED OF AND RECYCLED

	Million Tonnes						
	2010	2011	2012	2013	2014	2015	2016
Waste Disposed of	2.76	2.86	2.93	3.02	3.04	3.02	3.05
Domestic ¹	1.60	1.64	1.65	1.64	1.65	1.65	1.66
Non-domestic ¹	1.16	1.22	1.28	1.39	1.39	1.37	1.39
Waste Recycled	3.76	4.04	4.34	4.83	4.47	4.65	4.77

Sources : Ministry of the Environment and Water Resources
National Environment Agency

Notes : Data exclude metals recovered from incineration bottom ash in a new metal recovery facility commissioned in 2015.

1 Data from 2013 are revised due to a waste vehicle reclassification exercise.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1891>

27.5 FIRE OCCURRENCES

Type of Property	Number						
	2010	2011	2012	2013	2014	2015	2016
Total	4,600	4,470	4,485	4,136	4,724	4,604	4,114
Building	3,857	3,819	3,766	3,485	3,453	3,403	3,324
Residential	3,267	3,254	3,184	2,952	2,888	2,898	2,818
Non-residential	590	565	582	533	565	505	506
Non-Building Structures	743	651	719	651	1,271	1,201	790

Source : Singapore Civil Defence Force

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1888>

27.6 CRIME CASES RECORDED

Type of Offence	2010	2011	2012	2013	2014	2015	2016
Number of Cases Recorded							
Overall Crime	33,152	31,508	31,015	29,984	32,315	33,839	32,964
Crimes Against Persons	4,177	3,969	3,824	3,822	4,269	4,139	4,374
Violent / Serious Property Crimes ¹	567	443	389	418	535	299	248
Housebreaking and Related Crimes	896	706	598	543	360	340	285
Theft and Related Crimes	19,560	18,314	18,476	17,075	16,722	15,615	14,127
Commercial Crimes	3,804	3,880	3,507	3,947	5,687	8,426	8,379
Miscellaneous Crimes	4,148	4,196	4,221	4,179	4,742	5,020	5,551
Per 100,000 population							
Overall Crime Rate	653	608	584	555	591	611	588
Crimes Against Persons	82	77	72	71	78	75	78
Violent / Serious Property Crimes ¹	11	9	7	8	10	5	4
Housebreaking and Related Crimes	18	14	11	10	7	6	5
Theft and Related Crimes	385	353	348	316	306	282	252
Commercial Crimes	75	75	66	73	104	152	149
Miscellaneous Crimes	82	81	79	77	87	91	99

Source : Singapore Police Force

- 1 Refers to crimes which involve the taking of money or property by force or means of threat against the victims. These include crimes where physical violence may not necessarily be involved e.g. cyber-extortion cases.

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1886>

27.7 NUMBER OF BANKRUPTCY APPLICATIONS, ORDERS MADE AND DISCHARGES

	2010	2011	2012	2013	2014	2015	2016
Applications For Bankruptcy	2,202	2,314	3,019	2,824	2,587	2,612	2,704
Bankruptcy Orders Made	1,537	1,527	1,748	1,992	1,758	1,776	1,797
Bankruptcy Discharges	2,252	1,391	1,881	2,584	3,546	3,499	4,359

Source : Insolvency Office

Download time series at <http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refid=1892>

INFORMATION DISSEMINATION SERVICES



Statistics Singapore Website

The *Statistics Singapore Website* was launched by the Singapore Department of Statistics (DOS) in January 1995.

Internet users can access the website by connecting to <http://www.singstat.gov.sg/>

Key Singapore statistics are available via the following sections:

- ❖ **Statistics**
which provides access to the latest statistical findings of DOS as well as statistics compiled by Research and Statistics Units (RSUs) in ministries and statutory boards.
- ❖ **News**
which provides a listing of the news released by DOS and RSUs.
- ❖ **Publications**
which presents the latest editions of DOS' publications, papers and articles.
- ❖ **Browse by Themes**
which presents official statistics compiled by DOS and RSUs in the various ministries and statutory boards according to themes. Within each theme, relevant statistics and related press releases, publications and references are provided.

Statistical resources are available via:

- ❖ **Publication and Papers**
which lists the latest editions of publications released by DOS according to statistical domains at <http://www.singstat.gov.sg/publications/publications-and-papers>. All softcopy DOS publications are available for free downloading. Statistical tables of DOS publications in Excel format are also available.
- ❖ **Advance Release Calendar**
which provides a six months ahead advance release calendar of key statistical indicators.

The website also provides a convenient gateway to international statistical websites under the "Methodologies & Standards" section:

- ❖ **Guide to International Statistics**
which provides hyperlinks to international databases and classifications, as well as websites of international bodies and other national statistical offices.
- ❖ **IMF Dissemination Standards Bulletin Board**
which provides metadata about Singapore's key indicators in the real, fiscal, financial and external sectors, including dissemination practices and information about pre-release access of current indicators.



SingStat Express

SingStat Express is a personalised data delivery service which sends the latest press releases, notices of publication, newsletter, occasional and information papers to subscribers via email. SMS alert service is also available to local users. Subscription details are available from the *Statistics Singapore Website* (<http://www.singstat.gov.sg/express>).

INFORMATION DISSEMINATION SERVICES

(cont'd)



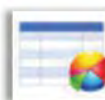
Really Simple Syndication

Really Simple Syndication (RSS) is an easy way to stay updated on the latest statistical news released via the *Statistics Singapore Website*. The *SingStat RSS* feed delivers statistical news highlights and hyperlinks to the source documents whenever the updates are posted. More information is available at [http://www.singstat.gov.sg/services/really-simple-syndication-\(rss\)](http://www.singstat.gov.sg/services/really-simple-syndication-(rss)).



SingStat Mobile App

SingStat Mobile App provides users ready access to the latest key Singapore official statistics through their mobile devices while on the go. Users may visualize data for the latest periods with some 200 charts of commonly used statistics from 25 data categories. The app is available for downloading in iOS and Android devices. More information is available at <http://www.singstat.gov.sg/services/singstat-mobile-app>



SingStat Table Builder

The *SingStat Table Builder* contains statistical data series on the Singapore economy and population for users to create customised data tables, plot graphs and charts and export them in different file formats. Explore data trends with this e-service at <http://www.singstat.gov.sg/tablebuilder>.



E-survey

The *E-survey* enables business organisations to complete and submit their survey forms through the internet. Using secured encryption protocols, the *E-survey* ensures that the information transmitted through the net is secured and protected. The system features online helps and validation checks to assist respondents in completing their survey forms. With the *E-survey*, respondents do away with the tedious paper work and manual tasks of mailing or faxing their survey returns to the Department.

Statistical Enquiries and Feedback

If you have any statistical enquiries or comment or suggestions on our statistical publications and electronic services, you are welcomed to:



E-mail us

info@singstat.gov.sg



Fax to us

(65) 6332-7689



Call us

1800-3238118* (local callers)
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* Calls from mobile telephone lines to 1800 local toll free number may be subject to mobile airtime charges as imposed by the relevant mobile service provider.

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We appreciate your views on the Yearbook of Statistics. Kindly spend a few minutes of your time to answer the following questions, and return the form to the address provided below. Alternatively, you may complete the form online through

<https://www.singstat.gov.sg/readership-survey/readership-survey-on-yearbook-of-statistics>

Question 1. How did you find out about this publication?

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Library ☐

Others (please specify) ☐

Question 2. Let us know what you use the Yearbook for :

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Research ☐

Others (please specify) ☐

Policy Formulation ☐

Question 3. Which section(s) do you refer to?

Climate and Air Quality ☐

Population ☐

Households ☐

Labour and Productivity ☐

National Accounts ☐

International Accounts ☐

Investment ☐

Research and Development ☐

The Corporate Sector ☐

Formation and Cessation of Business Entities ☐

Agriculture, Animal Production and Fisheries ☐

Manufacturing ☐

Building, Real Estate, Construction and Housing ☐

Services ☐

☐

International Trade ☐

☐

Transport ☐

☐

InfoComm and Media ☐

☐

Tourism ☐

☐

Finance ☐

☐

Public Finance ☐

☐

Prices ☐

☐

Education ☐

☐

Health ☐

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1 2 3 4 5 6
Not useful Very Useful

Question 5. Do you have any suggestions for improvements to the Yearbook? Please provide your comments below.

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