Yearbook of Statistics Singapore 2018

DEPARTMENT OF STATISTICS SINGAPORE

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PREFACE

The "Yearbook of Statistics Singapore 2018" is the fifty-first 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 274 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

Sep 2018

Our Vision

National Statistical Service of Quality, Integrity and Expertise

Our Mission

We deliver Insightful Statistics and Trusted Statistical Services that Empower Decision Making

Our Guiding Principles

Professionalism & Expertise	*We adhere to professional ethics and develop statistical competency to produce quality statistics that comply with international concepts and best practices.*
Relevance & Reliability	*We produce statistics that users need and trust.*
Accessibility	*We make our statistics readily available through user-friendly platforms.*
Confidentiality	*We protect the confidentiality of information collected by us.*
Timeliness	*We disseminate statistics at the earliest possible date while maintaining data quality.*
Innovation	*We constantly seek ways to improve our processes, leveraging on new technology where feasible, to deliver better products and services to users.*
Collaboration	*We engage users on data needs, data providers and respondents on supply of data, and undertake the role of national statistical coordination.*
Effectiveness	*We optimise resource utilisation, leveraging on administrative and alternative data sources to ease respondent burden.*

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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 3.4	Resident Households by Tenancy of Household
Table 27.3	Total Final Energy Consumption by Energy Type and Sector

Addition of New Series

Table 2.12	Resident Age-Sex Specific Marriage Rates
Table 4.18	Average Weekly Paid Hours Worked Per Employee by Industry
Table 6.1	Balance of Payments
Table 6.2	Singapore International Investment Position
Table 17.1	Postal Articles Handled and Telecommunications
Table 18.1	International Visitor Arrivals by Inbound Tourism Markets
Table 19.7	Number of Financial Institutions in Singapore
Table 19.11	Assets and Liabilities of Asian Currency Units
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Replacement of Existing Series

Table 4.19	Average Monthly Recruitment Rate by Industry and Occupational Group
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Table 18.6	Gazetted Hotel Statistics

Other Changes

Selected data series have been discontinued in the following tables:

Table 18.1	International Visitor Arrivals by Inbound Tourism Markets
Table 18.6	Gazetted Hotel Statistics
Table 23.7	Notifications of Specific Notifiable Diseases

Economy

GDP 2017
At Current Market Prices

S$ 447,284Mil

Per Capita GDP
$79,697

Find out more at http://www.singstat.gov.sg/modules/infographics/economy

Population

Population Density
7,796
persons[1]/sq km

Total Population[1]
5.61 Mil
at end-June 2017

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

Find out more at http://www.singstat.gov.sg/infographics/population/population.html

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 main island of Singapore is about 49km from east to west and 25km from north to south with a coastline of 203km. The total land area of Singapore is approximately 719.9km² as at end June 2017. Among the smaller islands, the larger ones are Pulau Tekong (25.5km²), Pulau Ubin (10.2km²) and Sentosa (4.8km²). The figures are based on 2.515m High Water Mark cadastral survey boundaries.

Singapore is generally flat, with much of the island lying within 15 m of sea level. The highest point of the island's surface reaches 163 m.

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.

Automatic analysers and equipment are deployed at the stations to measure the concentrations of major air pollutants such as Sulphur Dioxide (SO_2), Oxides of Nitrogen (NO_x), Carbon Monoxide (CO), Ozone (O_3) and Particulate Matter (PM_{10} and $PM_{2.5}$).

NEA also reports the Pollutant Standards Index (PSI) which is computed from the concentration of Sulphur Dioxide (SO_2), Particulate Matter (PM_{10} and $PM_{2.5}$), Nitrogen Dioxide (NO_2), Carbon Monoxide (CO) and Ozone (O_3). Based on the PSI, the air quality is described as 'Good', 'Moderate', 'Unhealthy', 'Very unhealthy' or 'Hazardous'.

Climate and Air Quality

Air quality in 2017 was not affected by transboundary haze and was in the 'Good' and 'Moderate' range 99.5 per cent of the time. The ambient temperatures were exceptionally high on 15 March 2017 and the ozone recorded caused the air quality to go into the 'Unhealthy' range, which accounted for the remaining 0.5 per cent.

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

Air Quality in 2017

Days with 'Good' and 'Moderate' Air Quality	99.5%
Days with 'Unhealthy' Air Quality	0.5%
Days with 'Very Unhealthy' and 'Hazardous' Air Quality	0.0%

1.1 AIR TEMPERATURE AND SUNSHINE

	Unit	2011	2012	2013	2014	2015	2016	2017
Air Temperature								
Means								
Daily Maximum	°C	31.2	31.2	31.3	31.6	31.9	32.0	31.1
Daily Minimum	°C	24.7	25.0	25.0	25.3	25.8	25.8	25.2
Absolute Extremes								
Maximum	°C	35.3	33.7	35.2	34.5	34.4	35.0	34.6
Minimum	°C	21.4	21.1	20.9	21.1	21.9	21.6	21.8
Bright Sunshine								
Daily Mean Hours	No.	5.6	5.5	5.4	6.0	6.2	6.0	5.8

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=15309

1.2 RELATIVE HUMIDITY AND RAINFALL

	Unit	2011	2012	2013	2014	2015	2016	2017
Minimum Relative Humidity	Per Cent	41	48	36	37	35	33	44
24 Hours Mean Relative Humidity	Per Cent	84.6	83.5	81.7	78.5	76.9	76.0	82.6
Rainfall								
Total	mm	2,524.2	2,159.9	2,748.4	1,538.4	1,266.8	1,955.7	2,045.6
Highest Daily Total	mm	216.2	92.3	139.8	64.4	63.2	75.4	69.8
Rainy Days	No.	188	191	206	152	125	179	204

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=15309

1.3 AIR POLLUTION LEVELS

	Unit	2011	2012	2013	2014	2015	2016	2017
Sulphur Dioxide								
Annual mean	$\mu g/m^3$	10	13	14	12	12	13	12
Maximum 24-hour mean	$\mu g/m^3$	80	98	75	83	75	61	59
Nitrogen Dioxide								
Annual mean	$\mu g/m^3$	25	25	25	24	22	26	25
Maximum 1-hour mean	$\mu g/m^3$	189	154	132	121	99	123	158
Particulate Matter (PM_{10})								
Annual mean	$\mu g/m^3$	27	29	31	30	37	26	25
99th percentile 24-hour mean	$\mu g/m^3$	55	57	215	75	186	61	57
Particulate Matter ($PM_{2.5}$)								
Annual mean	$\mu g/m^3$	17	19	20	18	24	15	14
99th percentile 24-hour mean	$\mu g/m^3$	41	42	176	51	145	40	34
Carbon Monoxide								
Maximum 8-hour mean	mg/m^3	2.0	1.9	5.5	1.8	3.3	2.2	1.7
Maximum 1-hour mean	mg/m^3	2.6	2.4	7.5	2.7	3.5	2.7	2.3
Ozone								
Maximum 8-hour mean	$\mu g/m^3$	123	122	139	135	152	115	191

Source : National Environment Agency

Notes : Singapore's Air Quality Targets by 2020
Singapore Sustainable Blueprint Target: Sulphur Dioxide ≤ 15 $\mu g/m^3$ (annual mean)
World Health Organisation (WHO) Interim Target-2: Sulphur Dioxide ≤ 50 $\mu g/m^3$ (24-hour mean)
WHO Air Quality Guideline: Nitrogen Dioxide ≤ 40 $\mu g/m^3$ (annual mean)
≤ 200 $\mu g/m^3$ (1-hour mean)
WHO Air Quality Guideline: PM_{10} (Particulate Matter ≤ 10 microns) ≤ 20 $\mu g/m^3$ (annual mean)
≤ 50 $\mu g/m^3$ (99th Percentile 24-hour mean)
Singapore Sustainable Blueprint Target: $PM_{2.5}$ (Particulate Matter ≤ 2.5 microns) ≤ 12 $\mu g/m^3$ (annual mean)
WHO Interim Target-3: $PM_{2.5}$ (Particulate Matter ≤ 2.5 microns) ≤ 37.5 $\mu g/m^3$ (99th Percentile 24-hour mean)
WHO Air Quality Guideline: Carbon Monoxide ≤ 10 mg/m^3 (8-hour mean)
≤ 30 mg/m^3 (1-hour mean)
WHO Air Quality Guideline: Ozone ≤ 100 $\mu g/m^3$ (Maximum 8-hour mean)
PM_{10}, $PM_{2.5}$ 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=14589

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.

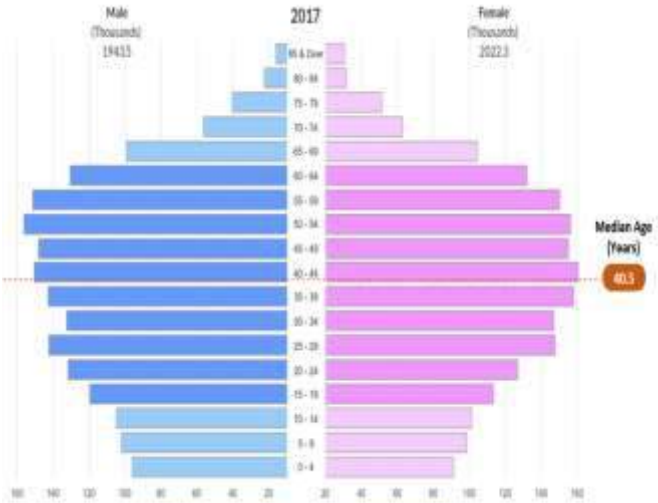
From the 2000 census onwards, the de jure concept for Singapore's population estimates based on a person's place of usual residence was adopted. Under this concept, Singapore residents (comprising Singapore citizens and permanent residents) with local addresses were included in the total population count. 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 2017



Births and Deaths

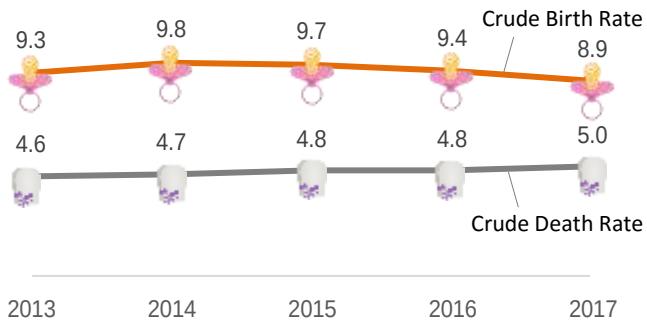
The Registration of Births and Deaths Act (Cap 267) specifies that a birth must be registered within 42 days of the date of birth. Births registered after 42 days from occurrence are classified as late registrations. A birth registration after one year from the date of birth can only be effected with 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, 2017

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, 2017

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 subject to the prevailing age-specific fertility rates in the population in a given year. 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 subject to the prevailing age-specific fertility rates in the population in a given year.

Net reproduction rate: Refers to the average number of daughters each female would have during her reproductive years if she were subject to the prevailing age-specific fertility and mortality rates in the population in a given year. 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 2017

Total Fertility Rate was **1.16** per female

Infant Mortality Rate was **2.2** per 1,000 live-births

Life Expectancy at Birth was ...

80.7 years for male residents

85.2 years for female residents

83.1 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
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
2017	5,612,253	3,965,796	3,439,177	526,619	1,646,457
	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
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
2017	0.1	0.8	0.9	0.4	-1.6

Notes : Data from 1990 onwards are based on de jure concept (i.e. the person's place of usual residence).
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, 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).

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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
2017	4.0	8.9	5.0	3.0	2.2	1.16	0.56	0.56

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.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13274
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13273

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

Number

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
				Males			
Total	1,868,170	1,880,046	1,891,504	1,902,410	1,916,628	1,929,526	1,943,545
0 - 4	95,885	94,924	93,520	92,528	93,852	95,678	96,041
5 - 9	106,047	105,033	104,586	104,588	103,861	102,426	102,010
10 - 14	123,438	119,697	116,000	112,959	109,401	105,589	104,885
15 - 19	132,579	132,106	129,989	126,514	124,287	122,911	119,500
20 - 24	128,245	132,675	134,034	132,902	133,493	132,046	131,825
25 - 29	127,132	123,056	124,013	129,304	132,504	137,243	142,427
30 - 34	141,947	140,686	141,262	138,954	137,847	135,596	132,378
35 - 39	154,097	152,252	147,408	144,959	143,795	143,553	142,776
40 - 44	150,678	151,213	152,691	154,320	154,460	152,466	150,641
45 - 49	163,002	161,122	158,312	153,194	149,607	147,517	148,095
50 - 54	155,424	156,561	157,789	158,734	158,465	158,202	156,386
55 - 59	130,717	136,379	140,813	144,316	147,860	150,315	151,320
60 - 64	102,799	105,781	110,241	115,217	119,660	125,130	130,589
65 - 69	54,115	62,372	70,525	78,285	88,697	96,349	99,351
70 - 74	46,135	47,890	48,663	49,438	47,779	48,691	56,463
75 - 79	29,123	29,715	31,164	33,753	36,126	38,976	40,524
80 - 84	16,558	17,496	18,572	19,515	20,932	21,884	22,400
85 & Over	10,249	11,088	11,922	12,930	14,002	14,954	15,934
				Females			
Total	1,921,081	1,938,159	1,953,247	1,968,329	1,986,062	2,004,033	2,022,251
0 - 4	92,364	91,749	89,775	88,841	89,723	91,482	91,612
5 - 9	102,072	101,291	101,118	101,202	100,591	99,083	98,565
10 - 14	117,098	113,623	110,244	107,837	104,987	101,906	101,368
15 - 19	128,159	126,755	125,077	120,823	118,615	116,860	113,473
20 - 24	126,824	131,831	132,855	131,016	130,634	128,808	127,247
25 - 29	135,474	131,526	131,602	136,355	138,526	142,745	147,771
30 - 34	155,608	154,710	155,608	153,333	152,772	149,948	146,962
35 - 39	162,064	161,718	158,095	157,070	157,272	158,445	158,180
40 - 44	155,936	157,610	159,890	161,703	162,295	160,979	160,843
45 - 49	160,989	159,803	158,024	155,339	153,806	153,666	155,362
50 - 54	152,706	153,815	155,199	156,769	156,626	157,396	156,428
55 - 59	129,961	135,438	140,256	144,076	147,203	149,276	150,358
60 - 64	105,361	108,215	111,913	116,285	120,833	126,723	132,062
65 - 69	58,281	66,507	75,292	82,913	93,728	101,671	104,618
70 - 74	53,938	56,524	57,083	57,377	54,852	55,105	63,031
75 - 79	37,786	37,960	39,455	42,541	45,085	48,979	51,429
80 - 84	25,587	26,619	27,627	28,903	30,853	31,672	31,941
85 & Over	20,873	22,465	24,134	25,946	27,661	29,289	31,001

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

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2.4 SINGAPORE RESIDENTS BY AGE GROUP, ETHNIC GROUP AND SEX, END-JUNE 2017

Number

Ethnic Group / Sex	Total	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39
Total	3,965,796	187,653	200,575	206,253	232,973	259,072	290,198	279,340	300,956
Males	1,943,545	96,041	102,010	104,885	119,500	131,825	142,427	132,378	142,776
Females	2,022,251	91,612	98,565	101,368	113,473	127,247	147,771	146,962	158,180
Chinese	2,948,252	129,452	136,570	136,448	159,568	183,474	212,862	204,446	219,561
Males	1,436,284	66,394	70,115	69,850	82,160	93,506	104,440	97,484	103,832
Females	1,511,968	63,058	66,455	66,598	77,408	89,968	108,422	106,962	115,729
Malays	530,710	34,561	31,212	34,079	41,735	46,888	47,947	39,927	32,504
Males	263,912	17,790	15,933	17,508	21,672	24,219	24,437	19,997	15,830
Females	266,798	16,771	15,279	16,571	20,063	22,669	23,510	19,930	16,674
Indians	358,821	17,040	24,252	26,234	23,262	22,405	23,164	25,858	34,578
Males	183,818	8,703	12,021	13,045	11,678	11,163	11,330	11,997	17,284
Females	175,003	8,337	12,231	13,189	11,584	11,242	11,834	13,861	17,294
Others	128,013	6,600	8,541	9,492	8,408	6,305	6,225	9,109	14,313
Males	59,531	3,154	3,941	4,482	3,990	2,937	2,220	2,900	5,830
Females	68,482	3,446	4,600	5,010	4,418	3,368	4,005	6,209	8,483

Ethnic Group / Sex	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 & Over
Total	311,484	303,457	312,814	301,678	262,651	203,969	119,494	91,953	54,341	46,935
Males	150,641	148,095	156,386	151,320	130,589	99,351	56,463	40,524	22,400	15,934
Females	160,843	155,362	156,428	150,358	132,062	104,618	63,031	51,429	31,941	31,001
Chinese	230,806	225,935	232,687	231,813	210,800	168,582	100,894	78,725	45,437	40,192
Males	109,212	107,610	115,156	115,478	104,638	82,321	47,722	34,843	18,718	12,805
Females	121,594	118,325	117,531	116,335	106,162	86,261	53,172	43,882	26,719	27,387
Malays	30,618	33,451	42,560	39,667	29,935	19,630	10,385	7,333	5,012	3,266
Males	14,813	16,143	20,859	19,777	14,604	9,132	4,734	3,110	2,031	1,323
Females	15,805	17,308	21,701	19,890	15,331	10,498	5,651	4,223	2,981	1,943
Indians	34,164	29,727	27,019	23,305	17,502	12,797	6,684	4,873	3,160	2,797
Males	19,183	17,277	14,776	12,325	8,848	6,170	3,100	2,055	1,319	1,544
Females	14,981	12,450	12,243	10,980	8,654	6,627	3,584	2,818	1,841	1,253
Others	15,896	14,344	10,548	6,893	4,414	2,960	1,531	1,022	732	680
Males	7,433	7,065	5,595	3,740	2,499	1,728	907	516	332	262
Females	8,463	7,279	4,953	3,153	1,915	1,232	624	506	400	418

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

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2.5 RESIDENT AGE-SPECIFIC FERTILITY RATES

Per Thousand Females

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
15 - 19	4.7	4.3	3.8	3.3	2.7	2.7	2.6
20 - 24	22.4	22.2	19.7	19.5	18.7	17.0	15.1
25 - 29	73.4	76.7	70.5	71.1	68.7	65.8	62.2
30 - 34	89.5	99.5	90.2	99.3	98.5	96.2	93.3
35 - 39	42.4	46.3	44.7	48.3	49.9	49.7	48.6
40 - 44	7.2	8.0	8.0	8.3	8.9	8.8	9.0
45 - 49	0.3	0.3	0.3	0.3	0.4	0.3	0.5

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=13273

2.6 LIVE-BIRTHS BY ETHNIC GROUP AND SEX

Number

Ethnic Group / Sex	2011	2012	2013	2014	2015	2016	2017
Total	39,654	42,663	39,720	42,232	42,185	41,251	39,615
Males	20,434	22,102	20,528	21,679	21,755	21,315	20,408
Females	19,220	20,561	19,191	20,552	20,430	19,936	19,207
Chinese	24,691	26,760	23,890	25,958	25,412	24,749	23,360
Males	12,854	13,998	12,388	13,446	13,054	12,750	11,985
Females	11,837	12,762	11,502	12,512	12,358	11,999	11,375
Malays	5,719	5,908	6,067	6,468	6,961	7,143	7,315
Males	2,880	3,047	3,130	3,265	3,608	3,701	3,784
Females	2,839	2,861	2,937	3,202	3,353	3,442	3,531
Indians	4,376	4,672	4,648	4,678	4,895	4,499	4,421
Males	2,255	2,311	2,398	2,347	2,564	2,355	2,250
Females	2,121	2,361	2,250	2,331	2,331	2,144	2,171
Other Ethic Groups	4,868	5,323	5,115	5,128	4,917	4,860	4,519
Males	2,445	2,746	2,612	2,621	2,529	2,509	2,389
Females	2,423	2,577	2,502	2,507	2,388	2,351	2,130

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=15162

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

Number

	2011	2012	2013	2014	2015	2016	2017
Total	39,654	42,663	39,720	42,232	42,185	41,251	39,615
Birth Order [1]							
1st	19,035	20,755	19,292	20,327	20,248	19,392	18,570
2nd	14,120	15,082	13,924	15,262	14,857	14,913	14,206
3rd	4,726	4,988	4,651	4,859	5,099	4,927	4,721
4th	1,285	1,299	1,294	1,243	1,394	1,378	1,380
5th	323	352	360	357	388	434	473
6th & over	164	187	199	184	199	207	265
Place of Occurrence							
Public Sector Hospitals	15,872	16,403	15,646	17,066	17,730	17,895	17,911
Private Sector Hospitals	23,679	26,149	23,919	25,029	24,300	23,191	21,497
Other Locations	103	111	155	137	155	165	207

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=13251
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13250

2.8 RESIDENT AGE-SEX SPECIFIC DEATH RATES

Per Thousand Residents

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
				Total			
Total	4.5	4.5	4.6	4.7	4.8	4.8	5.0
Under 1 [1]	2.0	1.8	2.0	1.8	1.7	2.4	2.2
1 - 4	0.2	0.2	0.2	0.1	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20 - 24	0.3	0.3	0.3	0.3	0.2	0.2	0.2
25 - 29	0.3	0.3	0.3	0.2	0.3	0.3	0.3
30 - 34	0.4	0.4	0.4	0.4	0.4	0.3	0.4
35 - 39	0.5	0.6	0.5	0.5	0.5	0.5	0.5
40 - 44	0.9	0.9	0.9	0.9	0.9	0.9	0.8
45 - 49	1.7	1.6	1.5	1.5	1.5	1.4	1.4
50 - 54	2.8	2.5	2.7	2.5	2.5	2.4	2.6
55 - 59	4.4	4.6	4.3	4.5	4.2	4.1	3.9
60 - 64	7.0	7.3	7.0	6.4	6.5	6.2	6.3
65 - 69	12.6	11.9	11.0	10.6	10.4	10.1	9.9
70 - 74	19.9	20.0	19.6	18.5	18.2	16.7	16.9
75 - 79	37.0	33.3	33.8	32.6	31.8	30.1	28.9
80 - 84	57.4	55.7	55.7	56.3	51.6	53.0	53.7
85 & Over	116.4	116.2	116.4	115.4	113.8	108.2	112.1

(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=13249

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

Per Thousand Residents

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
				Males			
Total	4.9	5.0	5.1	5.2	5.2	5.3	5.5
Under 1 [1]	2.3	2.0	1.8	1.9	2.2	2.3	2.0
1 - 4	0.2	0.2	0.1	0.1	0.2	0.2	0.1
5 - 9	0.1	0.1	0.1	-	0.1	0.1	0.1
10 - 14	0.1	0.2	0.1	-	0.1	0.2	0.1
15 - 19	0.2	0.2	0.3	0.3	0.2	0.3	0.3
20 - 24	0.5	0.5	0.4	0.4	0.3	0.3	0.3
25 - 29	0.4	0.4	0.3	0.3	0.4	0.4	0.3
30 - 34	0.5	0.4	0.6	0.5	0.5	0.4	0.5
35 - 39	0.7	0.6	0.6	0.7	0.7	0.6	0.7
40 - 44	1.0	1.2	1.2	1.3	1.1	1.1	1.1
45 - 49	2.2	1.9	2.0	1.7	1.9	1.7	1.7
50 - 54	3.6	3.1	3.4	3.0	3.1	3.1	3.1
55 - 59	5.9	5.8	5.7	5.8	5.4	5.3	4.8
60 - 64	8.9	9.7	8.8	8.4	8.5	8.2	8.2
65 - 69	16.4	15.2	14.5	13.8	13.9	13.3	12.9
70 - 74	26.0	26.5	26.0	24.4	23.9	22.5	22.9
75 - 79	47.2	42.3	43.3	41.0	41.0	38.4	37.4
80 - 84	71.3	69.9	68.2	70.6	63.7	66.6	65.5
85 & Over	130.8	132.3	131.0	128.5	124.8	124.2	128.9

(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=13249

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

Per Thousand Residents

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
				Females			
Total	4.0	4.1	4.2	4.3	4.3	4.3	4.5
Under 1 [1]	1.7	1.6	2.1	1.7	1.2	2.5	2.4
1 - 4	0.1	0.1	0.2	0.1	0.1	0.1	0.1
5 - 9	0.1	0.1	-	-	-	0.1	0.0
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	0.1	0.1
20 - 24	0.2	0.2	0.2	0.1	0.2	0.2	0.1
25 - 29	0.2	0.2	0.2	0.1	0.2	0.2	0.2
30 - 34	0.3	0.4	0.3	0.2	0.3	0.2	0.3
35 - 39	0.4	0.5	0.4	0.3	0.4	0.3	0.3
40 - 44	0.8	0.7	0.7	0.7	0.6	0.8	0.5
45 - 49	1.3	1.3	1.1	1.2	1.1	1.1	1.1
50 - 54	2.1	2.0	2.0	1.9	1.9	1.8	2.0
55 - 59	2.9	3.3	3.0	3.2	3.1	3.0	3.0
60 - 64	5.2	5.1	5.1	4.4	4.5	4.3	4.5
65 - 69	9.0	8.7	7.8	7.5	7.1	7.0	7.0
70 - 74	14.7	14.5	14.2	13.5	13.2	11.5	11.6
75 - 79	29.0	26.3	26.3	25.9	24.4	23.5	22.2
80 - 84	48.4	46.4	47.2	46.6	43.4	43.7	45.4
85 & Over	109.4	108.3	109.1	108.8	108.2	100.0	103.4

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=13249

2.9 DEATHS BY BROAD GROUP OF CAUSES

Number

Causes of Death	2011	2012	2013	2014	2015	2016	2017
Total	18,027	18,481	18,938	19,393	19,862	20,017	20,905
Infective & Parasitic Diseases	244	233	211	217	194	174	189
of which : Tuberculosis	68	65	51	60	41	41	32
Neoplasms	5,461	5,651	5,849	5,790	5,986	5,993	6,237
of which : Malignant	5,411	5,565	5,775	5,701	5,903	5,925	6,077
Endocrine, Nutritional & Metabolic Diseases	356	279	253	296	270	363	340
of which : Diabetes	299	268	247	277	250	343	321
Diseases of the Blood & Blood-Forming Organs	41	20	14	23	10	14	17
Diseases of the Nervous System & Sense Organs	117	166	137	144	210	226	185
Diseases of the Circulatory System	5,720	5,747	5,765	5,987	6,101	6,107	6,541
of which : Heart & Hypertensive Diseases	3,920	3,848	3,914	4,165	4,534	4,576	4,970
Cerebrovascular Disease	1,628	1,714	1,680	1,620	1,357	1,317	1,310
Diseases of the Respiratory System	3,493	3,708	4,061	4,232	4,417	4,440	4,757
of which : Pneumonia	2,879	3,096	3,512	3,680	3,859	3,855	4,212
Diseases of the Digestive System	426	414	418	482	477	467	485
Diseases of the Genito-Urinary System	918	934	967	951	928	913	925
Congenital Anomalies	53	54	47	50	62	72	49
of which : Congenital Anomalies of Heart	21	25	21	26	32	38	22
Certain Causes of Perinatal Mortality	49	44	43	42	30	36	39
Accidents, Poisonings & Violence	989	1,030	933	909	895	890	840
of which : Transport Accidents	207	192	176	183	168	164	141
Suicides	361	467	422	415	409	429	361
Other Diseases & Causes	160	201	240	270	282	322	301

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, 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=13247

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

Years

Year	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	83.0	80.7	85.1	20.8	19.0	22.4
2017	83.1	80.7	85.2	20.9	19.1	22.5

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=13276

2.11 AGE AT FIRST MARRIAGE AND DIVORCE

Years

	2011	2012	2013	2014	2015	2016	2017
Median Age at First Marriage							
Grooms	30.1	30.1	30.2	30.2	30.3	30.3	30.0
Brides	28.0	28.0	28.1	28.2	28.2	28.3	28.4
Median Age at Divorce [1]							
Male Divorcees	41.3	41.6	42.4	42.6	42.9	42.8	43.2
Female Divorcees	37.7	38.0	38.2	38.4	38.8	38.5	39.1

1 Excludes annulments.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14164
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14107

2.12 RESIDENT AGE-SEX SPECIFIC MARRIAGE RATES

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
	Males (per thousand unmarried resident males)						
15 - 19	0.7	0.6	0.6	0.5	0.6	0.4	0.4
20 - 24	11.1	12.2	10.9	10.7	10.1	9.2	9.3
25 - 29	79.6	77.8	71.5	77.0	76.4	78.2	81.7
30 - 34	117.9	117.8	109.9	127.2	132.5	131.2	130.1
35 - 39	89.2	96.5	86.2	89.1	90.6	88.8	90.9
40 - 44	58.5	65.2	56.0	61.0	54.6	58.3	59.8
45 - 49	41.2	39.8	36.0	35.7	36.3	35.5	37.1
50 - 54	30.1	27.0	26.8	26.6	23.4	21.4	24.4
55 - 59	23.3	21.0	16.1	17.6	17.3	14.5	16.1
60 - 64	17.5	15.6	11.9	12.4	12.5	12.5	10.6
65 & Over	4.2	5.1	4.1	3.9	4.0	4.0	3.9
General Marriage Rate (per thousand unmarried resident males aged 15-49 years)	43.5	43.8	40.5	44.4	44.2	44.4	45.7
	Females (per thousand unmarried resident females)						
15 - 19	2.4	2.3	2.2	1.7	1.7	1.7	1.5
20 - 24	23.5	24.4	21.3	22.3	20.9	19.9	19.8
25 - 29	108.0	106.7	97.4	103.8	107.2	106.8	108.8
30 - 34	96.0	96.2	89.2	105.3	106.5	105.8	101.6
35 - 39	42.4	43.2	44.6	44.3	48.2	48.9	51.2
40 - 44	20.7	21.0	19.4	19.5	21.1	21.3	22.4
45 - 49	10.2	10.5	10.2	11.7	10.4	11.7	12.0
50 - 54	6.1	5.7	5.2	5.4	6.7	5.5	5.6
55 - 59	2.3	2.7	2.7	2.8	2.6	2.4	2.9
60 - 64	1.3	1.3	0.9	1.0	1.3	1.4	1.3
65 & Over	0.1	0.2	0.2	0.1	0.2	0.2	0.2
General Marriage Rate (per thousand unmarried resident females aged 15-49 years)	39.2	39.4	36.9	40.8	41.1	41.6	42.8

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=14168

2.13 GROOMS BY AGE GROUP

Number

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
	Women's Charter						
Total	22,840	23,134	21,180	22,863	22,544	22,017	22,162
Under 20	59	46	53	37	24	25	25
20 - 24	1,192	1,297	1,097	1,034	921	824	769
25 - 29	7,392	7,323	6,568	7,390	7,191	7,111	7,707
30 - 34	6,893	7,066	6,681	7,171	7,242	7,091	6,888
35 - 39	3,251	3,303	3,062	3,284	3,208	3,205	3,093
40 - 44	1,582	1,661	1,533	1,756	1,741	1,629	1,618
45 - 49	1,031	1,025	898	872	891	872	825
50 - 54	703	671	635	626	578	532	534
55 - 59	409	384	345	376	396	351	366
60 & Over	328	358	308	317	352	377	337
	Administration of Muslim Law Act						
Total	4,418	4,802	5,074	5,544	5,778	5,954	6,050
Under 20	42	38	28	33	48	27	33
20 - 24	506	610	578	591	613	591	607
25 - 29	1,883	2,106	2,177	2,444	2,507	2,727	2,787
30 - 34	878	946	1,084	1,273	1,282	1,268	1,214
35 - 39	428	441	446	413	481	476	530
40 - 44	260	246	293	297	283	312	307
45 - 49	190	176	196	218	215	204	222
50 - 54	112	123	131	138	169	168	156
55 - 59	64	54	80	80	90	88	98
60 & Over	55	62	61	57	90	93	96

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=14156

2.14 BRIDES BY AGE GROUP

Number

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
	Women's Charter						
Total	22,840	23,134	21,180	22,863	22,544	22,017	22,162
Under 20	259	222	206	152	133	119	93
20 - 24	3,268	3,343	2,785	2,658	2,427	2,155	1,937
25 - 29	10,311	10,244	9,296	10,403	10,269	10,213	10,604
30 - 34	5,424	5,667	5,423	5,884	5,857	5,739	5,619
35 - 39	1,980	2,074	2,003	2,097	2,150	2,141	2,204
40 - 44	882	877	813	914	914	893	916
45 - 49	403	382	378	417	437	415	433
50 - 54	193	172	165	212	199	188	195
55 - 59	67	91	74	80	85	88	100
60 & Over	53	62	37	46	73	66	61
	Administration of Muslim Law Act						
Total	4,418	4,802	5,074	5,544	5,778	5,954	6,050
Under 20	149	164	149	134	145	125	111
20 - 24	1,176	1,279	1,245	1,384	1,345	1,293	1,322
25 - 29	1,812	1,969	2,132	2,417	2,494	2,732	2,757
30 - 34	548	641	711	820	856	835	871
35 - 39	286	284	344	293	351	370	391
40 - 44	187	194	214	213	269	248	229
45 - 49	125	160	139	149	145	180	190
50 - 54	87	72	76	75	111	104	100
55 - 59	32	24	40	37	36	38	44
60 & Over	16	15	24	22	26	29	35

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

Number

Ethnic Group	2011	2012	2013	2014	2015	2016	2017
	Women's Charter						
Total	22,840	23,134	21,180	22,863	22,544	22,017	22,162
Chinese	16,499	16,387	14,948	16,750	16,237	15,944	16,116
Indians	879	950	960	978	940	916	1,054
Others [1]	1,495	1,614	1,407	1,244	1,225	1,150	1,067
Inter-ethnic [2]	3,967	4,183	3,865	3,891	4,142	4,007	3,925
	Administration of Muslim Law Act						
Total	4,418	4,802	5,074	5,544	5,778	5,954	6,050
Malays	2,635	2,803	3,001	3,221	3,377	3,408	3,172
Indians	178	189	217	198	216	243	246
Others [3]	184	199	226	223	232	286	332
Inter-ethnic [4]	1,421	1,611	1,630	1,902	1,953	2,017	2,300

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=14145
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14161

2.16 RESIDENT AGE-SEX SPECIFIC DIVORCE RATES

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
	Males (per thousand married resident males)						
20 - 24	26.6	28.4	25.8	25.3	30.8	27.6	25.9
25 - 29	20.3	21.7	21.7	20.2	17.8	16.7	16.8
30 - 34	14.0	13.3	13.1	13.1	12.5	12.6	12.5
35 - 39	12.7	11.9	12.0	11.6	11.7	12.8	11.5
40 - 44	10.0	9.4	9.8	9.9	10.1	9.6	10.2
45 - 49	7.7	7.6	8.5	7.7	8.3	8.4	7.7
50 & Over	3.5	3.3	3.6	3.5	3.7	3.6	3.7
General Divorce Rate (per thousand married resident males aged 20 years and over)	7.6	7.1	7.3	7.0	7.1	7.1	6.9
	Females (per thousand married resident females)						
20 - 24	27.8	29.1	26.7	23.5	26.3	28.6	27.9
25 - 29	17.8	15.8	17.5	16.0	15.3	15.1	14.3
30 - 34	12.0	12.0	12.4	11.7	11.6	11.9	12.1
35 - 39	11.0	10.0	10.3	10.1	9.6	10.1	9.9
40 - 44	8.5	8.2	8.0	8.3	8.8	8.4	8.3
45 - 49	6.2	5.6	6.3	6.1	6.4	6.2	6.9
50 & Over	2.4	2.4	2.5	2.4	2.6	2.6	2.6
General Divorce Rate (per thousand married resident females aged 20 years and over)	7.2	6.7	6.9	6.5	6.6	6.6	6.5

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=14172

2.17 DIVORCES AND ANNULMENTS BY AGE GROUP OF MALES

Number

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
	Divorces under the Women's Charter						
Total	5,696	5,306	5,471	5,172	5,450	5,505	5,570
Under 25	32	24	28	34	40	24	32
25 - 29	341	256	274	227	234	247	266
30 - 34	858	785	740	730	725	692	707
35 - 39	1,211	1,149	1,051	997	1,020	1,113	1,014
40 - 44	1,026	952	980	946	1,039	1,022	1,039
45 - 49	883	798	892	769	826	825	798
50 - 54	624	606	705	648	664	664	668
55 - 59	397	372	408	419	446	447	509
60 & Over	323	357	393	351	436	456	526
Unknown	1	7	0	51	20	15	11
	Divorces under the Administration of Muslim Law Act						
Total	1,538	1,587	1,662	1,689	1,667	1,702	1,637
Under 25	41	49	40	33	41	40	23
25 - 29	186	172	180	159	162	191	174
30 - 34	256	286	290	293	288	305	275
35 - 39	305	275	310	265	279	284	281
40 - 44	251	265	257	295	249	234	261
45 - 49	201	235	257	229	231	229	204
50 - 54	153	157	172	210	222	191	195
55 - 59	76	87	85	121	94	119	115
60 & Over	69	60	71	84	101	109	109
Unknown	0	1	0	0	0	0	0
	Annulments under the Women's Charter						
Total	370	344	392	446	405	407	371
Under 25	10	18	21	14	14	13	11
25 - 29	91	84	88	109	105	87	98
30 - 34	126	99	111	132	117	137	126
35 - 39	62	65	63	75	68	82	73
40 & Over	81	78	109	116	101	88	63
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=14087
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14101

2.18 DIVORCES AND ANNULMENTS BY AGE GROUP OF FEMALES

Number

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
	Divorces under the Women's Charter						
Total	5,696	5,306	5,471	5,172	5,450	5,505	5,570
Under 25	112	126	106	97	109	88	89
25 - 29	744	574	584	537	544	538	524
30 - 34	1,182	1,164	1,189	1,090	1,160	1,158	1,120
35 - 39	1,280	1,166	1,135	1,127	1,102	1,213	1,152
40 - 44	934	908	938	894	1,011	941	938
45 - 49	658	565	647	589	620	661	736
50 - 54	397	401	450	391	448	399	473
55 - 59	209	215	260	239	207	286	265
60 & Over	179	179	161	165	234	214	261
Unknown	1	8	1	43	15	7	12
	Divorces under the Administration of Muslim Law Act						
Total	1,538	1,587	1,662	1,689	1,667	1,702	1,637
Under 25	124	120	107	84	95	100	81
25 - 29	283	281	289	253	272	301	249
30 - 34	276	318	337	345	326	332	340
35 - 39	279	252	295	270	273	236	277
40 - 44	222	229	232	273	250	250	231
45 - 49	182	188	190	205	191	173	178
50 - 54	97	123	130	142	150	172	138
55 - 59	41	49	53	66	63	85	76
60 & Over	34	26	29	51	47	53	67
Unknown	0	1	0	0	0	0	0
	Annulments under the Women's Charter						
Total	370	344	392	446	405	407	371
Under 25	59	49	49	59	45	45	44
25 - 29	162	143	175	170	166	160	147
30 - 34	91	97	110	133	119	122	115
35 - 39	37	33	36	50	48	47	43
40 & Over	21	22	22	34	27	32	22
Unknown	0	0	0	0	0	1	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=14087
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14101

2.19 DIVORCES AND ANNULMENTS BY ETHNIC GROUP OF COUPLE

Number

Ethnic Group	2011	2012	2013	2014	2015	2016	2017
	Divorces under the Women's Charter						
Total	5,696	5,306	5,471	5,172	5,450	5,505	5,570
Chinese	4,595	4,240	4,331	4,018	4,121	4,123	4,090
Indians	408	336	373	352	387	380	436
Others [1]	82	91	86	89	118	119	125
Inter-ethnic [2]	602	628	658	701	802	853	881
	Divorces under the Administration of Muslim Law Act						
Total	1,538	1,587	1,662	1,689	1,667	1,702	1,637
Malays	1,108	1,209	1,211	1,254	1,177	1,181	1,145
Indians	73	95	74	70	77	98	94
Others [3]	13	15	22	20	21	14	8
Inter-ethnic [4]	344	268	355	345	392	409	390
	Annulments under the Women's Charter						
Total	370	344	392	446	405	407	371
Chinese	272	236	226	266	259	262	234
Indians	33	28	37	40	38	50	38
Others [1]	3	5	7	8	2	8	4
Inter-ethnic [2]	62	75	122	131	106	85	94

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 ratio: 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. 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).

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.

View video on 'Understanding the Gini Coefficient':

3.1 RESIDENT HOUSEHOLDS [1] BY HOUSEHOLD SIZE

	Unit	2011	2012	2013	2014	2015	2016	2017
Total	'000	1,146.2	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6	1,289.9
Household Size [2]								
1-Person	'000	114.0	109.5	124.4	134.8	146.0	156.2	167.9
2-Person	'000	227.9	230.9	234.1	252.2	259.2	276.1	289.2
3-Person	'000	237.1	238.3	243.7	251.5	256.2	266.2	277.0
4-Person	'000	279.6	281.1	290.9	280.1	282.2	286.2	278.1
5-Person	'000	169.7	170.5	165.5	162.9	164.0	161.2	161.4
6-Person or Larger	'000	117.9	121.8	116.0	118.4	117.6	117.6	116.3
Average Household Size	Persons	3.51	3.53	3.47	3.43	3.39	3.35	3.30

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

1 Refers to households headed by a resident (i.e. Singapore citizen or permanent resident).
2 Refers to the total number of members in the household, including domestic workers.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12305

3.2 RESIDENT HOUSEHOLDS [1] BY TYPE OF DWELLING

Thousand

	2011	2012	2013	2014	2015	2016	2017
Total	1,146.2	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6	1,289.9
Total HDB Dwellings [2]	948.4	939.5	961.8	965.2	981.1	1,011.5	1,018.6
1- and 2-Room Flats [3]	52.2	54.0	59.1	64.0	68.8	74.1	75.4
3-Room Flats	233.3	214.5	223.2	220.1	223.4	230.3	229.1
4-Room Flats	367.5	375.4	382.4	386.0	392.3	407.4	409.9
5-Room and Executive Flats	291.9	293.3	294.3	292.8	295.8	298.6	302.9
Condominiums & Other Apartments	126.9	139.9	143.7	161.8	170.8	182.4	201.7
Landed Properties	66.3	69.0	65.0	69.4	69.2	66.2	66.5
Others	4.6	3.6	4.0	3.6	4.2	3.5	3.1

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

1 Refers to households headed by a resident (i.e. Singapore citizen or permanent resident).
2 Includes non-privatised Housing and Urban Development Corporation (HUDC) flats.
3 Includes HDB studio apartments.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12308

3.3 AVERAGE HOUSEHOLD SIZE [1] OF RESIDENT HOUSEHOLDS [2] BY TYPE OF DWELLING

Persons

	2011	2012	2013	2014	2015	2016	2017
Total	3.51	3.53	3.47	3.43	3.39	3.35	3.30
Total HDB Dwellings [3]	3.46	3.48	3.42	3.37	3.34	3.30	3.25
1- and 2-Room Flats [4]	2.24	2.36	2.38	2.32	2.24	2.16	2.19
3-Room Flats	2.77	2.79	2.74	2.70	2.69	2.67	2.63
4-Room Flats	3.65	3.63	3.58	3.53	3.49	3.46	3.42
5-Room and Executive Flats	3.99	3.98	3.94	3.88	3.89	3.84	3.77
Condominiums & Other Apartments	3.43	3.48	3.42	3.40	3.34	3.30	3.24
Landed Properties	4.38	4.35	4.33	4.32	4.30	4.28	4.29
Others	3.21	2.99	3.38	3.02	2.92	2.65	2.85

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

1 Refers to the total number of members in the household, including domestic workers.
2 Refers to households headed by a resident (i.e. Singapore citizen or permanent resident).
3 Includes non-privatised Housing and Urban Development Corporation (HUDC) flats.
4 Includes HDB studio apartments.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12305

3.4 RESIDENT HOUSEHOLDS [1] BY TENANCY [2] OF HOUSEHOLD

	Unit	2011	2012	2013	2014	2015	2016	2017
Total [3]	'000	1,146.2	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6	1,289.9
Owner [4]	'000	1,015.9	1,038.2	1,062.5	1,083.4	1,112.4	1,149.1	1,170.2
Tenant [5]	'000	103.5	106.8	105.7	109.8	106.2	107.6	109.8
Home Ownership Rate Among Resident Households	Per Cent	88.6	90.1	90.5	90.3	90.8	90.9	90.7

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

1 Refers to households headed by a resident (i.e. Singapore citizen or permanent resident).
2 Refers to the tenure status of the household with respect to the dwellings in which the household members live in.
3 Includes resident households in dwellings provided free by employers/others.
4 Refers to a household where the household head or any other member owns the house.
5 Refers to a household which rents the dwelling or part of it.

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3.5 HOME OWNERSHIP RATES AMONG RESIDENT HOUSEHOLDS [1] BY TYPE OF DWELLING

Per Cent

	2011	2012	2013	2014	2015	2016	2017
Home Ownership Rate Among Resident Households	88.6	90.1	90.5	90.3	90.8	90.9	90.7
Total HDB Dwellings [2]	90.1	91.7	91.8	91.6	92.0	92.2	92.1
1- and 2-Room Flats [3]	18.1	23.1	22.3	23.9	33.9	35.9	36.7
3-Room Flats	91.2	93.3	94.1	94.4	94.8	94.2	94.4
4-Room Flats	94.9	96.6	97.0	96.8	96.8	97.5	97.3
5-Room and Executive Flats	96.2	97.0	97.2	97.4	97.2	97.4	97.3
Condominiums & Other Apartments	79.0	80.3	82.5	83.3	84.1	84.1	83.6
Landed Properties	88.7	89.5	91.2	90.9	92.0	92.8	92.0
Others	44.2	65.1	47.7	47.1	54.9	51.5	57.1

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

1 Refers to households headed by a resident (i.e. Singapore citizen or permanent resident).
2 Includes non-privatised Housing and Urban Development Corporation (HUDC) flats.
3 Includes HDB studio apartments.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12309

3.6 MONTHLY HOUSEHOLD INCOME FROM WORK PER HOUSEHOLD MEMBER [1] AMONG RESIDENT EMPLOYED HOUSEHOLDS [2]

Dollars

	2011	2012	2013	2014	2015	2016	2017
Median (50th Percentile)	1,994	2,127	2,247	2,380	2,500	2,584	2,699
20th Percentile	971	1,020	1,083	1,167	1,242	1,280	1,311

Notes : Data 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 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 Refers to a household headed by a resident (i.e. 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=12307

3.7 AVERAGE MONTHLY HOUSEHOLD INCOME FROM WORK PER HOUSEHOLD MEMBER [1] AMONG RESIDENT EMPLOYED HOUSEHOLDS [2] BY DECILES

Dollars

Deciles [3]	2011	2012	2013	2014	2015	2016	2017
Total	2,925	3,142	3,204	3,418	3,624	3,688	3,835
1st - 10th	422	440	463	494	541	543	554
11th - 20th	803	856	896	971	1,040	1,064	1,093
21st - 30th	1,122	1,200	1,268	1,353	1,446	1,483	1,528
31st - 40th	1,445	1,547	1,633	1,747	1,857	1,892	1,958
41st - 50th	1,794	1,917	2,033	2,155	2,274	2,339	2,434
51st - 60th	2,207	2,355	2,483	2,627	2,780	2,864	2,994
61st - 70th	2,726	2,893	3,039	3,217	3,409	3,521	3,670
71st - 80th	3,458	3,658	3,837	4,060	4,276	4,438	4,629
81st - 90th	4,727	5,004	5,192	5,524	5,804	5,958	6,279
91st - 100th	10,543	11,552	11,198	12,032	12,816	12,773	13,215

Notes : Data 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 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 Refers to a household headed by a resident (i.e. 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 (including employer CPF contributions).
It is notable, for example, that some resident employed households in the lowest 10% owned a car (11.4%), employed a maid (11.7%), lived in private property (7.7%) or were headed by persons aged 60 years and over (42.8%) in 2017.
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, 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.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12307

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

	2011	2012	2013	2014	2015	2016	2017
P90/P10 Ratio of Household Income from Work Per Household Member [3]	9.19	9.14	9.00	8.92	8.65	8.67	8.97
P90/P10 Ratio of Household Income from Work Per Household Member After Accounting for Government Transfers and Taxes [4]	6.21	6.37	5.90	5.97	5.78	5.71	5.81

Notes : Data 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 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 Refers to a household headed by a resident (i.e. Singapore citizen or permanent resident) and with at least one working person.
3 Based on ranking of all resident employed households by their monthly household income from work per household member (including employer CPF contributions).
4 Based on ranking of all resident employed households by their monthly household income from work per household member (including employer CPF contributions) after accounting for Government transfers and taxes.
Data on income after accounting for Government transfers and taxes for 2017 are preliminary.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createSpecialTable.action?refId=15483

3.9 GINI COEFFICIENT [1] AMONG RESIDENT EMPLOYED HOUSEHOLDS [2]

	Unit	2011	2012	2013	2014	2015	2016	2017
		Household Income from Work						
Based on Per Household Member [3]	Ratio	0.473	0.478	0.463	0.464	0.463	0.458	0.459
Based on Modified OECD Scale [4]	Ratio	0.452	0.457	0.442	0.444	0.440	0.435	0.437
Based on Square Root Scale [5]	Ratio	0.434	0.435	0.421	0.425	0.415	0.410	0.417
		Household Income from Work After Accounting for Government Transfers and Taxes						
Based on Per Household Member [3]	Ratio	0.423	0.432	0.409	0.411	0.409	0.401	0.401
Based on Modified OECD Scale [4]	Ratio	0.402	0.410	0.388	0.392	0.386	0.379	0.381
Based on Square Root Scale [5]	Ratio	0.380	0.383	0.363	0.369	0.357	0.350	0.356

Notes : Data 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 2017 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 with different sizes and compositions are comparable. There are different scales used by different countries.

2 Refers to a household headed by a resident (i.e. Singapore citizen or permanent resident) and with at least one working person.

3 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=12307

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), 2017 **3,657.0**

Definitions

Employed Persons: Refer 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: Refer 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: Refer to persons aged fifteen years and over who are either employed or unemployed during the reference period.

Persons Outside The Labour Force: Refer 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 2017** **2.2%**

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.

Definitions

Weekly Paid Hours: Refer 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) is a national credential system that trains, develops, assesses and certifies skills and competencies for the workforce. As a continuing education and training (CET) system, WSQ supports the SkillsFuture movement in (i) promoting recognition of skills and competencies to facilitate progression, mastery and mobility; (ii) promoting holistic development of the workforce through technical and generic skills and competencies; (iii) supporting economic development by professionalising skills and competencies to drive industry transformation, productivity and innovation efforts; and (iv) encouraging lifelong learning.

Training programmes developed under WSQ are based on skills and competencies validated by employers, unions and professional bodies. This process ensures existing and emerging skills and competencies that are in demand are used for training and development. The WSQ programmes are funded and quality-assured by SkillsFuture Singapore, which awards the WSQ certifications.

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.

Unit Labour Cost

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.

Central Provident Fund

The Central Provident Fund (CPF) is a comprehensive social security system that enables Singapore Citizens and Permanent Residents to set aside funds for retirement. It also addresses members' housing and healthcare needs.

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 insurance premiums (namely the Dependants' Protection Scheme and Home Protection Scheme), or withdrawn for investment and

[1] For employees earning $750 and above in monthly wages

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 retirement needs.

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

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) on industrial matters.

Collective Agreement: Refers to an agreement between employers and employees on 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 MOM's Labour Relations and Workplaces Division (LRWD).

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.

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".

4.1 LABOUR FORCE

	Unit	2011	2012	2013	2014	2015	2016	2017
Labour Force								
Total	'000	3,237.1	3,361.8	3,443.7	3,530.8	3,610.6	3,672.8	3,657.0
Residents	'000	2,080.1	2,119.6	2,138.8	2,185.2	2,232.3	2,257.6	2,269.7
Employed								
Total	'000	3,149.7	3,274.7	3,352.9	3,440.2	3,516.0	3,570.0	3,550.1
Residents	'000	1,998.9	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3	2,175.3
Unemployed								
Total	'000	87.4	87.1	90.7	90.7	94.6	102.8	106.9
Residents	'000	81.2	79.0	82.6	81.8	84.5	92.3	94.4
Unemployment Rate (Seasonally Adjusted)								
Total	%	2.0	1.9	2.0	1.9	2.0	2.1	2.2
Residents	%	2.9	2.8	2.9	2.8	2.8	3.0	3.1
Resident Labour Force Participation Rate	%	66.1	66.6	66.7	67.0	68.3	68.0	67.7
Male	%	75.6	76.0	75.8	75.9	76.7	76.2	76.0
Female	%	57.0	57.7	58.1	58.6	60.4	60.4	59.8

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=14821
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10421
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12374

4.2 AGE-SPECIFIC RESIDENT LABOUR FORCE PARTICIPATION RATES

Per Cent

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
Total	66.1	66.6	66.7	67.0	68.3	68.0	67.7
15 - 19	12.3	12.4	11.8	12.3	15.8	15.3	14.2
20 - 24	62.8	63.6	61.7	61.8	65.3	62.3	62.2
25 - 29	89.2	88.3	88.5	89.0	90.3	90.3	90.2
30 - 34	88.6	89.8	90.1	89.9	90.2	90.8	91.8
35 - 39	87.3	88.0	88.0	88.8	89.1	89.7	89.8
40 - 44	84.9	85.4	85.7	87.1	87.6	88.2	87.7
45 - 49	83.7	84.4	84.5	84.7	85.9	86.3	86.8
50 - 54	79.7	79.5	80.0	81.8	82.4	81.4	82.8
55 - 59	70.2	72.4	73.2	74.3	75.5	75.8	74.9
60 - 64	54.7	58.1	59.7	61.2	62.4	62.8	63.6
65 - 69	36.2	38.6	40.2	41.2	42.2	43.2	43.4
70 - 74	20.4	21.9	24.2	25.7	24.9	26.8	28.0
75 & Over	6.4	6.7	7.6	8.4	8.8	8.4	9.1

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=12374

4.3 AGE-SPECIFIC RESIDENT MALE LABOUR FORCE PARTICIPATION RATES

Per Cent

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
Total	75.6	76.0	75.8	75.9	76.7	76.2	76.0
15 - 19	14.6	13.8	13.2	14.9	18.3	18.0	18.0
20 - 24	63.2	64.5	63.2	63.6	64.4	62.6	62.7
25 - 29	91.8	89.9	89.0	89.4	90.9	90.0	90.7
30 - 34	97.4	97.2	97.2	97.5	97.4	97.0	97.4
35 - 39	97.7	98.2	97.5	97.2	97.5	97.8	97.6
40 - 44	97.1	97.1	97.1	96.8	97.1	97.2	97.0
45 - 49	96.0	95.6	96.1	96.4	96.9	96.3	96.6
50 - 54	93.5	93.8	94.0	93.8	94.2	92.9	94.4
55 - 59	85.7	88.5	87.6	87.5	88.2	88.7	88.0
60 - 64	71.1	74.6	75.0	77.0	77.2	76.9	77.8
65 - 69	49.1	52.6	53.4	54.1	54.5	55.7	54.8
70 - 74	31.1	32.1	35.8	37.3	34.5	35.4	39.3
75 & Over	11.1	11.5	12.5	13.6	13.8	13.4	14.9

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=12374

4.4 AGE-SPECIFIC RESIDENT FEMALE LABOUR FORCE PARTICIPATION RATES

Per Cent

Age Group (Years)	2011	2012	2013	2014	2015	2016	2017
Total	57.0	57.7	58.1	58.6	60.4	60.4	59.8
15 - 19	9.8	10.9	10.2	9.6	13.1	12.4	10.2
20 - 24	62.5	62.6	59.9	59.8	66.3	62.0	61.6
25 - 29	86.7	86.8	88.0	88.6	89.7	90.6	89.6
30 - 34	81.0	83.3	83.7	83.3	83.9	85.3	86.9
35 - 39	77.6	78.9	79.4	80.9	81.7	82.3	82.9
40 - 44	73.9	74.8	75.4	78.1	78.9	80.2	78.9
45 - 49	71.5	73.4	73.1	73.7	75.5	77.2	77.7
50 - 54	66.1	65.6	66.5	70.4	70.6	70.3	71.2
55 - 59	55.1	56.2	59.1	61.4	62.8	63.1	61.8
60 - 64	38.4	41.7	44.2	45.5	47.7	48.8	49.9
65 - 69	23.9	26.3	27.9	29.5	31.1	31.4	32.9
70 - 74	11.3	13.4	14.1	15.6	16.5	19.3	18.1
75 & Over	3.3	3.4	4.2	4.7	5.5	5.1	5.0

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=12374

4.5 EMPLOYED RESIDENTS AGED 15 YEARS AND OVER BY OCCUPATION

Thousand

Occupation	2011	2012	2013	2014	2015	2016	2017
Total	1,998.9	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3	2,175.3
Legislators, Senior Officials & Managers	355.9	346.3	349.6	342.3	345.3	324.8	333.4
Professionals	343.7	367.3	366.9	373.5	392.9	412.9	435.7
Associate Professionals and Technicians	351.1	352.8	373.6	408.9	428.8	455.2	451.0
Clerical Support Workers	245.2	262.2	268.0	265.3	264.5	241.1	244.2
Service and Sales Workers	240.5	257.7	249.4	248.3	255.9	267.8	252.1
Craftsmen and Related Trades Workers	89.5	90.6	82.2	82.2	83.9	79.2	76.0
Plant and Machine Operators and Assemblers	157.7	149.8	147.7	146.4	146.2	152.1	153.6
Cleaners, Labourers and Related Workers	145.7	145.3	150.2	166.0	160.3	160.7	160.5
Others [1]	69.6	68.6	68.7	70.8	70.0	71.6	68.9

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=12385

4.6 EMPLOYED RESIDENTS AGED 15 YEARS AND OVER BY INDUSTRY

Thousand

Industry	2011	2012	2013	2014	2015	2016	2017
Total	1,998.9	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3	2,175.3
Manufacturing	292.4	288.2	280.0	249.3	238.7	227.5	223.6
Construction	99.7	104.5	101.9	98.2	110.4	100.9	100.6
Services	1,583.3	1,621.4	1,647.5	1,731.2	1,775.4	1,816.8	1,829.4
Wholesale & Retail Trade	300.5	306.3	302.2	346.3	364.1	364.1	356.2
Transportation and Storage	192.0	189.5	192.6	188.9	187.6	188.4	195.9
Accommodation and Food Services Activities	135.2	129.3	135.1	137.1	139.1	138.2	134.4
Information & Communications	85.4	85.8	92.1	87.8	83.5	84.6	88.7
Financial and Insurance Activities	145.5	150.6	147.8	165.6	167.3	190.7	189.6
Business Services [1]	271.6	289.7	291.6	311.3	333.4	334.7	345.6
Community, Social & Personal Services	453.1	470.1	486.1	494.3	500.5	516.1	519.1
Others [2]	23.5	26.5	26.8	24.8	23.3	20.2	21.7

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=12385

4.7 GOVERNMENT EMPLOYEES IN THE PUBLIC SERVICE

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Total	131,228	136,027	138,720	140,865	143,183	144,980	145,218
Ministries and Organs of State	77,540	80,210	81,508	82,291	83,713	84,393	84,626
Statutory Boards	53,688	55,817	57,212	58,574	59,470	60,587	60,592

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)

Number

	2011	2012	2013	2014	2015	2016	2017
Total	77,540	80,210	81,508	82,291	83,713	84,393	84,626
Males	33,461	34,584	35,162	35,659	36,653	37,087	37,138
Females	44,079	45,626	46,346	46,632	47,060	47,306	47,488
Senior Executive & above	41,957	44,720	46,656	48,747	55,020	56,072	56,691
Males	15,534	16,432	17,072	17,790	19,492	20,102	20,383
Females	26,423	28,288	29,584	30,957	35,528	35,970	36,308
Junior Executive	35,583	35,490	34,852	33,544	28,693	28,321	27,935
Males	17,927	18,152	18,090	17,869	17,161	16,985	16,755
Females	17,656	17,338	16,762	15,675	11,532	11,336	11,180

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)

Number

	2011	2012	2013	2014	2015	2016	2017
Total	53,688	55,817	57,212	58,574	59,470	60,587	60,592
Males	26,471	27,480	28,304	28,952	29,429	30,117	30,191
Females	27,217	28,337	28,908	29,622	30,041	30,470	30,401
Senior Executive & above	34,682	37,043	38,634	40,699	42,098	42,483	44,305
Males	18,138	19,293	20,027	21,093	21,693	21,786	22,830
Females	16,544	17,750	18,607	19,606	20,405	20,697	21,475
Junior Executive	19,006	18,774	18,578	17,875	17,372	18,104	16,287
Males	8,333	8,187	8,277	7,859	7,736	8,331	7,361
Females	10,673	10,587	10,301	10,016	9,636	9,773	8,926

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)	2011	2012	2013	2014	2015	2016	2017
Total	3,376.3	3,418.6	3,507.6	3,593.3	3,685.9	3,761.5	3,835.2
Up to 20	110.4	112.8	117.6	123.1	126.2	119.7	114.9
> 20 - 25	229.4	236.6	234.4	241.0	248.0	249.2	248.0
> 25 - 30	257.6	252.6	260.9	266.5	273.9	285.0	292.1
> 30 - 35	301.8	303.7	302.6	299.8	298.8	291.1	287.1
> 35 - 40	333.9	326.8	320.3	318.5	320.6	318.5	321.0
> 40 - 45	349.6	346.6	346.7	347.0	342.6	341.3	333.8
> 45 - 50	419.6	407.3	392.0	373.5	360.4	351.2	348.2
> 50 - 55	384.9	390.5	396.9	399.8	398.1	393.5	383.8
> 55 - 60	316.8	328.9	339.4	348.4	357.6	364.1	369.7
Over 60	648.4	689.2	734.9	779.0	825.7	875.6	927.6
Not specified	24.1	23.7	62.2	96.7	133.9	172.3	209.0

Source : Central Provident Fund (CPF) Board

1 Refers 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)	2011	2012	2013	2014	2015	2016	2017
Total	1,735.4	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3	1,990.4
Up to 20	42.5	45.7	49.3	56.8	49.7	45.0	43.2
> 20 - 25	118.6	122.4	122.1	129.4	120.1	115.7	112.2
> 25 - 30	202.2	199.8	208.2	217.6	221.0	228.4	232.0
> 30 - 35	229.4	232.2	233.9	235.7	233.5	226.9	223.9
> 35 - 40	234.3	233.2	232.4	236.6	237.5	235.8	237.9
> 40 - 45	214.0	220.9	228.7	237.4	236.7	237.2	233.4
> 45 - 50	210.4	212.6	214.6	217.2	215.4	216.4	220.1
> 50 - 55	188.1	194.4	201.1	209.9	210.6	211.2	208.8
> 55 - 60	142.6	153.9	165.3	178.3	182.9	185.4	187.1
Over 60	153.3	173.5	198.6	232.1	251.8	272.2	291.8
Not specified	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source : Central Provident Fund Board

1 Refers 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=14609

4.12 ACTIVE CENTRAL PROVIDENT FUND MEMBERS [1] BY INDUSTRY

(End of Period)

Thousand

Industry	2011	2012	2013	2014	2015	2016	2017
Total	1,735.4	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3	1,990.4
Manufacturing	254.5	254.6	253.1	252.7	246.8	244.5	239.8
Construction	102.1	105.4	110.2	113.3	113.2	111.8	105.6
Services							
Wholesale & Retail Trade	264.9	273.9	286.0	305.0	298.1	293.0	295.8
Transport & Storage	110.8	114.7	119.1	123.4	124.3	126.1	129.0
Accommodation & Food Service Activities	101.1	108.9	116.9	125.9	129.3	133.0	134.5
Information & Communications	65.1	66.5	69.2	74.0	75.0	78.5	82.1
Financial & Insurance Activities	139.6	142.7	147.6	156.3	159.5	160.3	162.7
Real Estate Activities	45.1	45.8	46.8	53.9	49.7	48.8	48.3
Professional, Scientific & Technical Activities	130.2	137.0	146.0	159.6	162.4	163.7	164.9
Administrative & Support Service Activities	157.6	160.5	166.1	173.5	177.8	179.7	185.3
Other Service Activities	349.5	363.4	377.2	397.2	407.2	417.6	424.9
Others [2]	15.0	15.5	16.2	16.3	16.0	17.3	17.5

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 Refers 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=14515

4.13 EMPLOYMENT SERVICES

Number

	2014	2015	2016	2017
New Registrants [1]	34,709	30,223	23,770	25,322
Males	16,201	16,070	12,857	13,294
Females	18,508	14,153	10,913	12,028
Placements [2]	14,814	13,278	14,428	15,380
Males	8,067	7,437	8,022	8,331
Females	6,747	5,841	6,406	7,049

Source : Workforce Singapore (WSG)

Notes : Data are based on date of data entry.
Data prior to October 2016 were from Singapore Workforce Development Agency (WDA), which was reconstituted into Workforce Singapore (WSG) in October 2016.
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 Careers Connect and 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 Careers Connect and e2i centres. This includes those who found their own jobs after receiving services from Careers Connect and 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=15264

4.14 CHANGES IN VALUE ADDED PER WORKER BY INDUSTRY

Per Cent

Industry	2011	2012	2013	2014	2015	2016	2017
Total [1]	2.4	0.1	1.0	0.1	0.1	1.4	3.8
Total (excluding Construction) [1]	2.4	0.4	1.9	0.2	-0.1	1.3	3.4
Goods Producing Industries [2]	5.7	-2.1	-3.1	0.9	-2.3	4.5	11.1
Manufacturing	7.9	-1.0	0.1	2.6	-2.7	7.0	13.7
Construction	2.2	2.7	-6.1	1.9	4.0	1.4	-1.8
Services Producing Industries [2]	2.1	1.2	3.6	0.0	0.3	-0.5	1.2
Wholesale & Retail Trade	3.8	2.3	4.3	0.2	2.5	1.3	2.7
Transportation & Storage	1.3	1.4	-0.2	-0.2	-0.6	-0.4	3.3
Accommodation & Food Services	4.6	-0.3	-1.0	-1.5	-2.6	1.5	-0.7
Information & Communications	-1.8	2.5	3.1	1.6	-6.3	0.8	1.3
Finance & Insurance	0.8	1.0	13.1	4.6	1.3	-1.2	1.0
Business Services	2.0	0.1	1.2	-3.8	1.5	-1.8	-0.9
Other Services Industries	0.5	-0.8	-0.9	-0.2	-1.8	0.2	0.4

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=15486

4.15 MULTIFACTOR PRODUCTIVITY : CONTRIBUTIONS TO GROWTH IN REAL GDP [1]

	2011	2012	2013	2014	2015	2016	2017
Percentage Change in Real GDP	6.2	4.0	5.0	3.8	2.2	2.4	3.6
Percentage Contribution to Growth in Real GDP of :							
Capital Input	3.0	3.2	3.2	3.1	2.8	2.4	2.1
Labour Input	1.6	1.7	1.8	1.7	1.0	0.5	-0.1
Multifactor Productivity Growth	1.6	-0.8	0.0	-0.9	-1.5	-0.5	1.6

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 INDICES OF UNIT LABOUR COST BY INDUSTRY

(2010 = 100)

	2011	2012	2013	2014	2015	2016	2017
Unit Labour Cost Index of Overall Economy	101.5	104.2	105.3	108.5	111.9	114.1	113.8
Goods Producing Industries	99.7	104.3	110.4	114.5	120.9	118.0	111.8
Manufacturing	97.9	100.8	104.1	106.5	112.3	106.7	98.2
Construction	104.5	108.4	119.7	124.4	126.0	129.0	138.3
Utilities	102.0	109.1	119.1	127.7	134.5	135.7	137.1
Other Goods Industries [1]	101.6	101.5	97.0	94.8	104.8	110.8	125.6
Services Producing Industries	101.7	103.6	102.8	105.6	108.0	111.7	113.4
Wholesale & Retail Trade	100.3	99.7	96.8	99.2	100.7	104.4	104.2
Transportation & Storage	102.8	106.2	107.8	111.9	114.8	118.7	115.8
Accommodation & Food Services	101.8	106.4	109.9	114.7	119.6	119.9	122.3
Information & Communications	102.5	105.5	102.7	105.9	113.1	114.3	117.0
Finance & Insurance	101.4	101.9	92.2	92.5	91.9	91.9	92.0
Business Services	99.9	104.2	106.2	110.4	112.1	119.2	123.1
Other Services Industries	104.4	107.3	113.8	117.0	122.6	126.5	131.0

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=14400

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

Dollars

	2011	2012	2013	2014	2015	2016	2017
Median (50th Percentile)	3,249	3,480	3,705	3,770	3,949	4,056	4,232
20th Percentile	1,733	1,740	1,885	1,972	2,012	2,106	2,200

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=14603

4.18 AVERAGE WEEKLY PAID HOURS WORKED PER EMPLOYEE BY INDUSTRY

Hours

Industry	2011	2012	2013	2014	2015	2016	2017
Total	46.2	46.2	46.2	46.0	45.6	45.5	45.1
Manufacturing	50.2	50.2	50.1	49.7	49.3	48.9	48.5
Construction	52.8	53.0	53.2	52.9	52.1	52.0	50.8
Services	43.4	43.5	43.4	43.2	43.1	43.2	43.1
Wholesale & Retail Trade	43.7	43.6	43.2	43.1	43.0	42.7	42.8
Transportation & Storage	46.2	46.1	45.7	45.8	45.7	45.9	45.5
Accommodation & Food Services	41.6	42.1	43.0	42.0	41.5	42.0	42.2
Information & Communications	41.5	41.5	41.7	41.5	41.5	41.4	41.5
Financial & Insurance Services	41.2	41.2	41.2	41.1	41.1	41.1	41.1
Real Estate Services	44.6	44.5	44.6	44.5	44.8	45.0	44.6
Professional Services	43.1	43.6	43.6	43.1	42.9	43.3	43.1
Administrative & Support Services	48.5	48.5	47.5	47.3	46.4	46.6	46.7
Community, Social & Personal Services	42.1	42.1	42.1	42.0	42.1	42.1	41.9
Others [1]	45.8	45.7	45.7	45.6	45.6	45.7	45.4

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 2015.

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

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14598

4.19 AVERAGE MONTHLY RECRUITMENT RATE BY INDUSTRY AND OCCUPATIONAL GROUP

Per Cent

	2011	2012	2013	2014	2015	2016	2017
Total	2.7	2.8	2.7	2.6	2.4	2.2	2.1
Industry							
Manufacturing	2.0	1.9	1.9	1.8	1.6	1.6	1.8
Construction	2.8	3.4	3.3	2.6	2.5	2.1	1.7
Services	3.0	2.9	2.8	2.8	2.6	2.4	2.3
Wholesale & Retail Trade	3.2	3.4	3.5	3.1	2.7	2.5	2.4
Transportation & Storage	2.4	2.3	2.3	2.1	2.0	1.8	1.7
Accommodation & Food Services	4.9	4.6	4.6	4.7	4.5	3.9	3.7
Information & Communications	3.0	2.8	2.7	3.0	2.6	2.2	2.0
Financial & Insurance Services	2.4	1.9	2.1	2.2	2.0	1.9	1.8
Real Estate Services	4.1	4.1	3.6	3.8	3.5	3.5	3.4
Professional Services	2.8	2.9	2.5	2.3	2.2	2.3	2.0
Administrative & Support Services	4.9	4.6	4.8	5.2	4.7	4.4	4.6
Community, Social & Personal Services	1.9	1.8	1.6	1.6	1.6	1.4	1.3
Others [1]	2.1	2.4	2.2	2.1	1.6	1.3	1.4
Occupational Group							
Professionals, Managers, Executives & Technicians	2.1	1.9	1.9	1.9	1.8	1.6	1.5
Clerical, Sales & Service Workers	3.8	3.7	3.8	3.8	3.5	3.1	3.1
Production & Transport Operators, Cleaners & Labourers	2.8	3.1	3.1	2.9	2.6	2.5	2.4

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 2015.

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

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

4.20 AVERAGE MONTHLY RESIGNATION RATE BY INDUSTRY AND OCCUPATIONAL GROUP

Per Cent

	2011	2012	2013	2014	2015	2016	2017
Total	2.0	2.1	2.0	2.0	1.9	1.8	1.8
Industry							
Manufacturing	1.6	1.6	1.5	1.5	1.5	1.5	1.5
Construction	1.7	1.8	2.0	1.9	1.8	1.7	1.8
Services	2.2	2.3	2.2	2.2	2.0	1.9	1.9
Wholesale & Retail Trade	2.6	2.9	2.9	2.6	2.2	2.2	2.0
Transportation & Storage	1.6	1.6	1.7	1.7	1.5	1.4	1.3
Accommodation & Food Services	4.2	4.3	4.1	4.3	4.0	3.6	3.6
Information & Communications	1.9	2.0	2.0	1.8	1.8	1.7	1.6
Financial & Insurance Services	1.5	1.2	1.4	1.4	1.3	1.2	1.3
Real Estate Services	3.2	3.3	3.0	3.4	3.1	2.9	2.7
Professional Services	1.8	1.8	1.8	1.8	1.8	1.6	1.5
Administrative & Support Services	3.9	4.1	3.8	4.0	3.4	3.5	3.6
Community, Social & Personal Services	1.2	1.2	1.1	1.1	1.1	1.0	1.0
Others [1]	1.7	1.7	1.5	1.5	1.4	1.2	1.4
Occupational Group							
Professionals, Managers, Executives & Technicians	1.4	1.3	1.3	1.3	1.3	1.2	1.2
Clerical, Sales & Service Workers	3.0	3.1	3.1	3.1	2.8	2.7	2.6
Production & Transport Operators, Cleaners & Labourers	2.1	2.2	2.2	2.3	2.1	2.1	2.2

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 2015.

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

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12843

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

Number

	2011	2012	2013	2014	2015	2016	2017
Total	192,249	198,322	231,009	267,423	267,655	289,699	310,491
Age Group							
Below 20	10,860	11,575	13,641	14,221	16,016	13,515	18,597
20 - 29	37,056	40,260	45,947	52,170	54,876	56,649	65,219
30 - 39	44,643	46,722	52,223	56,622	56,326	57,849	56,487
40 - 49	44,489	43,950	50,793	56,065	53,375	58,179	58,635
50 - 59	38,461	37,916	45,233	54,096	50,673	56,543	58,822
60 - 69	13,560	14,812	18,990	27,614	29,108	36,787	40,638
70 & Over	3,180	3,087	4,182	6,635	7,281	10,177	12,093
Highest Qualification Attained [1]							
Below Primary	5,695	5,531	8,863	12,074	16,136	16,454	16,993
Primary	28,343	28,516	26,391	33,538	25,031	25,732	24,546
Lower Secondary	27,824	22,120	26,606	30,313	27,975	31,491	34,274
Secondary	54,012	55,977	60,134	64,020	60,786	64,041	67,141
Post-Secondary	12,663	17,318	20,601	21,856	25,276	27,755	32,080
Professional and WSQ Diploma	8,624	9,620	10,744	14,030	11,839	14,634	15,057
Polytechnic Diploma	17,224	19,790	24,144	26,612	31,610	32,133	41,764
Degree and Above	23,926	27,144	34,032	45,011	48,395	56,295	57,893
Others / Not Reported	13,938	12,306	19,494	19,969	20,607	21,164	20,743
Sex							
Female	98,582	101,438	109,391	120,818	122,291	133,816	134,715
Male	90,364	95,154	119,170	144,166	143,142	153,730	173,394
Not Reported	3,303	1,730	2,448	2,439	2,222	2,153	2,382

Source : SkillsFuture Singapore (SSG)

Notes : Prior to October 2016, data were from the Singapore Workforce Development Agency (WDA). With effect from October 2016, data are from the 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 October 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=14568

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

Number

	2011	2012	2013	2014	2015	2016	2017
Number of WSQ trainees	192,249	198,322	231,009	267,423	267,655	289,699	310,491
Level of WSQ Statement of Attainment							
Certificate	147,901	155,148	164,867	188,700	190,680	203,627	220,810
Higher Certificate	11,678	7,294	11,146	10,728	13,457	15,743	17,478
Advanced Certificate	48,433	31,628	45,699	55,944	50,727	60,041	61,907
Diploma	23,363	19,771	32,873	36,117	35,887	41,918	44,478
Specialist Diploma	5,417	5,760	7,604	8,790	7,902	9,514	10,986
Graduate Certificate	1,029	751	784	756	483	580	488
Graduate Diploma	390	393	550	738	847	980	1,007

Source : SkillsFuture Singapore (SSG)

Notes : Prior to October 2016, data were from the Singapore Workforce Development Agency (WDA). With effect from October 2016, data are from the 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 October 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

4.23 TRADE UNIONS AND MEMBERSHIP

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Employee Class							
Unions	65	66	64	65	64	63	61
Members	588,014	613,418	655,126	686,676	718,723	740,750	755,217
Employer Class							
Unions	3	3	3	3	3	3	3
Members	2,306	2,288	3,074	3,312	3,365	3,489	3,570

Source : Ministry of Manpower

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

4.24 LABOUR RELATIONS

Number

	2011	2012	2013	2014	2015	2016	2017
Trade Disputes	159	164	136	106	119	112	110
Wage Increase and Conditions of Service	76	92	83	66	72	62	44
Retrenchment Benefits	15	11	18	15	18	27	28
Bonus or Gratuity	17	19	10	5	11	6	5
Other Industrial Matters [1]	51	42	25	20	18	17	33
Cases Referred to IAC [2, 3]	19	7	4	8	0	2	1
IAC Awards [3]	11	4	2	1	0	0	1
Industrial Stoppages [4]	0	1	0	0	0	0	0

Source : Ministry of Manpower (MOM)

1 Examples include sales, commission and shift allowances.
From 1 April 2017, includes appeals under the Retirement and Re-employment Act from union members working in unionised companies.

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=14617

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".

Information on the capitalisation of software expenditure can be found in the Information paper "Rebasing of Singapore's National Accounts to Reference Year 2000".

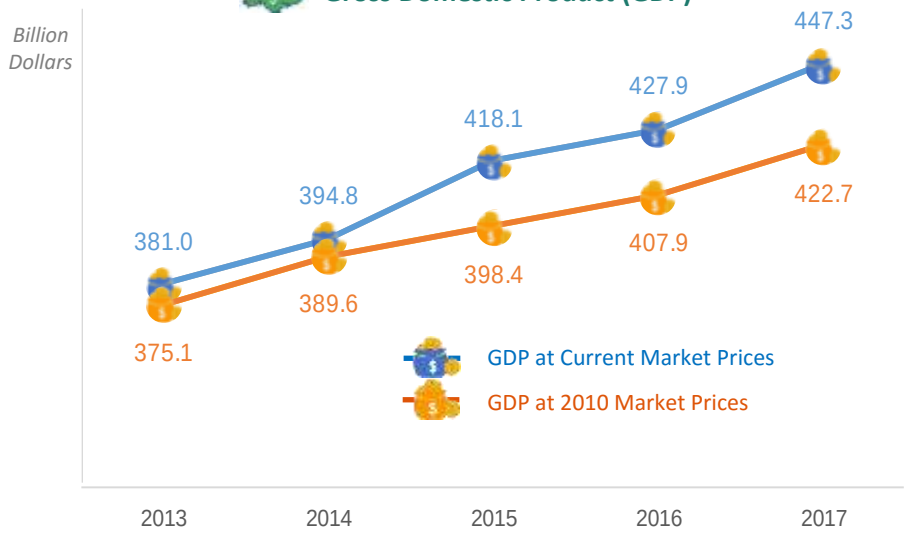
The revised methodology for the measurement and allocation of implicit charges for financial services and other methodological and classification changes are described in the information paper "Rebasing of Singapore's National Accounts to Reference Year 2005".

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".

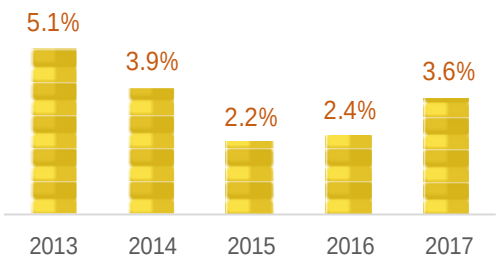
Analyses on Singapore's national income may be found in the "Economic Survey of Singapore", published by the Ministry of Trade and Industry.

Key Indicators

Gross Domestic Product (GDP)



Percentage Change in Real GDP



5.1 OUTPUT, SAVING AND INVESTMENT

(At Current Market Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Gross National Income							
Gross National Income	338,525.5	348,489.0	366,485.3	385,322.9	402,296.7	405,836.5	431,376.5
Gross Domestic Product	347,111.2	363,254.9	380,963.7	394,751.7	418,073.6	427,938.8	447,283.5
Net Income from Abroad	-8,585.7	-14,765.9	-14,478.4	-9,428.8	-15,776.9	-22,102.3	-15,907.0
Generation of Gross National Saving							
Gross National Saving	171,023.3	170,375.8	179,800.4	192,767.7	191,063.4	196,966.5	207,849.8
Gross Domestic Saving	187,133.2	193,715.4	202,469.9	210,979.9	220,989.1	227,481.0	232,150.4
Gross Domestic Product	347,111.2	363,254.9	380,963.7	394,751.7	418,073.6	427,938.8	447,283.5
Less : Private & Government Consumption Expenditure	158,012.6	166,637.9	177,840.7	184,955.0	196,776.5	199,800.5	207,976.3
Statistical Discrepancy	-1,965.4	-2,901.6	-653.1	1,183.2	-308.0	-657.3	-7,156.8
Net Income from Abroad	-8,585.7	-14,765.9	-14,478.4	-9,428.8	-15,776.9	-22,102.3	-15,907.0
Net Current Transfers from Abroad	-7,524.2	-8,573.7	-8,191.1	-8,783.4	-14,148.8	-8,412.2	-8,393.6
Finance of Gross Capital Formation							
Gross Capital Formation	94,139.0	108,610.7	116,860.7	119,030.2	113,395.7	115,669.9	123,629.2
Gross National Saving	171,023.3	170,375.8	179,800.4	192,767.7	191,063.4	196,966.5	207,849.8
Net Borrowing from/Lending (-) to Abroad & Net Capital Transfers from Abroad	-76,884.3	-61,765.1	-62,939.7	-73,737.5	-77,667.7	-81,296.6	-84,220.6

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12790

5.2 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	2011	2012	2013	2014	2015	2016	2017
	At Current Market Prices						
GDP at Current Market Prices	347,111.2	363,254.9	380,963.7	394,751.7	418,073.6	427,938.8	447,283.5
Goods Producing Industries	85,984.9	89,624.3	88,333.6	94,968.1	101,507.8	101,653.1	103,944.2
Manufacturing	65,901.1	67,680.4	65,749.8	70,120.5	75,151.7	75,664.1	80,378.1
Construction	14,815.7	16,450.5	17,200.1	19,241.1	20,458.2	20,272.7	17,809.0
Utilities	5,148.2	5,372.9	5,254.3	5,468.4	5,767.9	5,588.2	5,638.7
Other Goods Industries [1]	119.9	120.5	129.4	138.1	130.0	128.1	118.4
Services Producing Industries	227,362.8	237,486.4	254,150.4	261,172.8	275,133.2	283,100.5	298,742.9
Wholesale & Retail Trade	67,452.2	66,943.2	68,313.8	63,616.8	64,254.5	68,078.9	73,791.1
Transportation & Storage	22,223.8	23,674.3	24,704.6	27,183.4	30,040.2	27,699.3	30,275.3
Accommodation & Food Services	6,984.2	7,482.4	7,797.1	8,225.1	8,340.5	8,718.8	8,855.4
Information & Communications	12,451.7	13,521.3	14,645.6	15,671.6	15,734.9	16,818.3	17,583.3
Finance & Insurance	34,871.4	37,266.9	42,515.9	45,836.8	49,697.6	51,325.3	55,721.8
Business Services	47,524.5	51,180.3	56,078.7	58,235.7	62,064.8	62,550.0	62,163.2
Other Services Industries	35,855.0	37,418.0	40,094.7	42,403.4	45,000.7	47,909.9	50,352.8
Ownership of Dwellings	13,797.2	14,992.0	16,308.8	16,861.9	17,175.9	16,667.5	16,304.6
Gross Value Added at Basic Prices	327,144.9	342,102.7	358,792.8	373,002.8	393,816.9	401,421.1	418,991.7
Add : Taxes on Products	19,966.3	21,152.2	22,170.9	21,748.9	24,256.7	26,517.7	28,291.8
	At 2010 Market Prices						
GDP at 2010 Market Prices	342,833.2	356,832.1	375,070.1	389,637.4	398,369.4	407,918.4	422,679.1
Goods Producing Industries	90,144.4	92,162.5	93,965.9	97,308.8	94,671.8	97,717.7	103,312.0
Manufacturing	70,118.3	70,342.3	71,517.4	73,436.8	69,671.2	72,249.4	79,525.9
Construction	14,951.9	16,655.2	17,162.7	18,462.2	19,536.5	19,914.5	18,241.7
Utilities	4,953.3	5,039.7	5,154.9	5,269.4	5,333.5	5,425.1	5,426.5
Other Goods Industries [1]	120.9	125.3	130.9	140.4	130.6	128.7	117.9
Services Producing Industries	223,557.3	234,729.1	251,965.4	262,770.8	272,029.5	275,973.4	283,683.9
Wholesale & Retail Trade	62,902.4	66,402.3	70,998.4	73,112.6	75,775.9	76,514.3	78,288.5
Transportation & Storage	26,684.0	28,016.2	29,156.6	30,058.9	30,627.1	31,022.9	32,498.3
Accommodation & Food Services	6,549.0	6,722.8	6,949.3	7,141.8	7,151.4	7,423.4	7,513.8
Information & Communications	12,062.9	12,987.7	14,027.5	15,087.6	14,906.0	15,444.9	15,961.7
Finance & Insurance	36,030.8	38,209.3	44,934.3	49,124.1	51,735.4	52,557.1	55,053.9
Business Services	45,299.6	47,491.8	50,245.0	51,230.6	54,019.2	53,861.4	54,203.7
Other Services Industries	34,028.6	34,899.0	35,654.3	37,015.2	37,814.5	39,149.4	40,164.0
Ownership of Dwellings	11,618.5	11,928.5	12,229.9	12,680.0	13,300.7	14,009.6	14,683.9
Gross Value Added at Basic Prices	325,320.2	338,820.1	358,161.2	372,759.6	380,002.0	387,700.7	401,679.8
Add : Taxes on Products	17,513.0	18,012.0	16,908.9	16,877.8	18,367.4	20,217.7	20,999.3

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 Comprises 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

	2011	2012	2013	2014	2015	2016	2017
	At Current Market Prices						
Total	347,111.2	363,254.9	380,963.7	394,751.7	418,073.6	427,938.8	447,283.5
Private Consumption Expenditure	124,448.9	133,291.8	139,674.0	145,725.0	153,119.2	154,059.9	159,420.4
Government Consumption Expenditure	33,563.7	33,346.1	38,166.7	39,230.0	43,657.3	45,740.6	48,555.9
Gross Fixed Capital Formation	88,492.5	97,012.8	106,137.4	111,924.0	116,345.1	113,639.8	110,971.6
Changes in Inventories	5,646.5	11,597.9	10,723.3	7,106.2	-2,949.4	2,030.1	12,657.6
Net Exports of Goods & Services	92,994.2	85,104.7	85,609.2	91,949.7	107,593.4	111,811.1	108,521.2
Exports of Goods & Services	705,460.4	715,820.0	739,383.7	755,055.2	741,627.9	719,758.7	775,344.5
Less : Imports of Goods & Services	612,466.2	630,715.3	653,774.5	663,105.5	634,034.5	607,947.6	666,823.3
Statistical Discrepancy	1,965.4	2,901.6	653.1	-1,183.2	308.0	657.3	7,156.8
	At 2010 Market Prices						
Total	342,833.2	356,832.1	375,070.1	389,637.4	398,369.4	407,918.4	422,679.1
Private Consumption Expenditure	119,479.1	124,198.4	128,651.4	133,051.5	139,637.0	142,033.4	146,470.2
Government Consumption Expenditure	32,254.7	31,780.5	35,397.6	35,479.2	38,260.2	39,612.4	41,230.3
Gross Fixed Capital Formation	88,626.5	96,138.4	102,388.8	108,018.5	110,417.6	109,794.2	107,845.5
Changes in Inventories	5,364.6	11,149.4	10,585.2	6,941.2	-3,523.8	2,253.9	13,947.7
Net Exports of Goods & Services	97,796.0	93,541.1	98,734.5	104,682.6	113,826.9	121,909.6	118,990.5
Exports of Goods & Services	686,875.5	698,548.9	740,089.5	764,925.0	801,174.9	810,026.4	843,207.2
Less : Imports of Goods & Services	589,079.5	605,007.8	641,355.0	660,242.4	687,348.0	688,116.8	724,216.7
Statistical Discrepancy	-687.7	24.3	-687.4	1,464.4	-248.5	-7,685.1	-5,805.1

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=12442
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12401

5.4 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
	At Current Market Prices						
Total	124,448.9	133,291.8	139,674.0	145,725.0	153,119.2	154,059.9	159,420.4
Food & Non-Alcoholic Beverages	8,965.3	9,584.2	10,104.4	10,293.7	10,545.5	10,636.5	11,002.6
Alcoholic Beverages & Tobacco	2,591.7	2,729.4	2,784.5	2,983.1	3,081.2	3,089.3	2,982.2
Clothing & Footwear	3,658.9	3,976.5	4,224.1	4,325.2	4,361.7	4,485.0	4,726.3
Housing & Utilities	21,834.9	24,329.8	25,811.1	26,814.6	26,952.0	26,505.4	26,398.9
Furnishings, Household Equipment & Routine Household Maintenance	7,198.0	7,500.7	7,396.5	7,329.1	7,384.1	7,523.2	7,534.9
Health	8,159.1	8,893.5	9,579.5	10,039.2	10,748.3	11,568.7	12,419.4
Transport	16,379.9	17,335.3	16,847.0	17,594.3	20,670.7	22,986.3	23,713.7
Communication	3,312.5	3,533.2	3,437.3	3,482.1	3,512.5	3,379.9	3,276.0
Recreation & Culture	18,071.9	17,704.4	17,843.5	17,953.4	17,018.1	16,484.9	17,544.1
Education	4,532.8	5,018.4	5,478.9	5,857.1	5,994.6	6,393.8	6,803.2
Food Serving Services	8,703.8	9,427.1	10,038.0	10,677.2	10,918.4	11,381.8	11,517.8
Accommodation Services	3,421.1	3,698.2	3,809.2	4,041.5	4,033.4	4,162.5	4,312.4
Miscellaneous Goods & Services	19,141.0	20,476.4	22,552.6	23,351.7	25,285.3	25,913.9	27,923.5
Add : Residents' Expenditure Abroad	21,164.8	22,711.2	23,975.9	25,408.6	25,618.1	25,893.6	26,650.6
Less : Non-residents' Expenditure Locally	22,686.8	23,626.5	24,208.5	24,425.8	23,004.7	26,344.9	27,385.2
	At 2010 Market Prices						
Total	119,479.1	124,198.4	128,651.4	133,051.5	139,637.0	142,033.4	146,470.2
Food & Non-Alcoholic Beverages	8,670.0	9,083.4	9,381.2	9,336.1	9,459.1	9,357.0	9,566.7
Alcoholic Beverages & Tobacco	2,566.3	2,681.0	2,725.3	2,770.2	2,840.2	2,842.9	2,746.0
Clothing & Footwear	3,661.7	3,915.7	4,146.8	4,268.3	4,317.4	4,414.8	4,633.2
Housing & Utilities	19,356.2	19,799.2	20,232.7	20,820.5	21,694.7	22,716.8	23,466.6
Furnishings, Household Equipment & Routine Household Maintenance	6,920.7	6,990.3	6,862.2	6,710.2	6,761.0	6,791.0	6,838.4
Health	7,941.8	8,245.1	8,556.9	8,742.1	9,348.6	9,938.6	10,415.8
Transport	14,953.7	15,046.4	14,474.0	15,144.7	17,988.1	20,643.7	21,128.0
Communication	3,445.1	3,708.9	3,701.1	3,779.7	3,821.5	3,692.6	3,598.9
Recreation & Culture	17,611.3	16,956.7	16,845.3	16,756.0	15,923.0	15,394.9	16,318.4
Education	4,383.4	4,680.1	4,906.7	5,116.3	5,023.6	5,165.5	5,338.2
Food Serving Services	8,463.6	8,953.5	9,346.3	9,635.1	9,632.6	9,866.8	9,873.6
Accommodation Services	3,092.9	3,145.7	3,290.7	3,395.1	3,395.2	3,503.5	3,638.9
Miscellaneous Goods & Services	18,895.8	20,024.4	22,438.5	23,228.4	23,919.5	24,116.0	25,566.0
Add : Residents' Expenditure Abroad	21,185.0	22,740.5	23,894.7	25,280.3	26,169.3	27,162.2	27,743.5
Less : Non-residents' Expenditure Locally	21,668.4	21,772.5	22,151.0	21,931.5	20,656.8	23,572.9	24,402.0

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

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12441

5.5 GROSS FIXED CAPITAL FORMATION

(At Current Market Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
				Total			
Total	88,492.5	97,012.8	106,137.4	111,924.0	116,345.1	113,639.8	110,971.6
Construction & Works	45,961.2	50,815.9	56,100.6	57,044.4	57,636.8	54,611.5	46,952.5
Residential Buildings	21,712.7	24,843.0	28,768.5	28,510.4	27,731.8	23,183.5	19,189.9
Non-residential Buildings	16,925.8	18,456.9	19,851.1	19,848.0	19,865.7	20,700.5	18,154.6
Other Construction & Works	7,322.7	7,516.0	7,481.0	8,686.0	10,039.3	10,727.5	9,608.0
Transport Equipment	7,660.7	8,943.5	7,049.3	6,960.8	8,729.5	10,130.5	14,086.2
Machinery & Equipment	21,624.6	22,592.8	21,799.6	21,408.6	22,056.3	22,766.3	22,346.0
Intellectual Property Products	13,246.0	14,660.6	21,187.9	26,510.2	27,922.5	26,131.5	27,586.9
				Public			
Total	15,087.4	16,338.2	16,577.3	19,079.4	20,811.3	22,333.7	20,764.0
Construction & Works	12,734.8	13,636.5	14,093.0	16,330.4	17,565.9	18,782.7	17,325.3
Residential Buildings	3,467.5	4,118.3	4,857.5	5,477.2	5,703.9	4,685.4	3,481.0
Non-residential Buildings	3,421.7	3,542.3	3,505.3	4,328.1	4,337.1	5,686.1	6,238.6
Other Construction & Works	5,845.6	5,975.9	5,730.2	6,525.1	7,524.9	8,411.2	7,605.7
Transport Equipment	47.7	109.6	74.3	267.4	238.6	577.4	346.4
Machinery & Equipment	770.5	942.7	677.5	693.6	1,057.6	924.1	981.0
Intellectual Property Products	1,534.4	1,649.4	1,732.5	1,788.0	1,949.2	2,049.5	2,111.3
				Private			
Total	73,405.1	80,674.6	89,560.1	92,844.6	95,533.8	91,306.1	90,207.6
Construction & Works	33,226.4	37,179.4	42,007.6	40,714.0	40,070.9	35,828.8	29,627.2
Residential Buildings	18,245.2	20,724.7	23,911.0	23,033.2	22,027.9	18,498.1	15,708.9
Non-residential Buildings	13,504.1	14,914.6	16,345.8	15,519.9	15,528.6	15,014.4	11,916.0
Other Construction & Works	1,477.1	1,540.1	1,750.8	2,160.9	2,514.4	2,316.3	2,002.3
Transport Equipment	7,613.0	8,833.9	6,975.0	6,693.4	8,490.9	9,553.1	13,739.8
Machinery & Equipment	20,854.1	21,650.1	21,122.1	20,715.0	20,998.7	21,842.2	21,365.0
Intellectual Property Products	11,711.6	13,011.2	19,455.4	24,722.2	25,973.3	24,082.0	25,475.6

(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=12419

5.5 GROSS FIXED CAPITAL FORMATION *(continued)*

(At 2010 Market Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
				Total			
Total	88,626.5	96,138.4	102,388.8	108,018.5	110,417.6	109,794.2	107,845.5
Construction & Works	45,374.7	49,292.9	52,293.9	52,495.9	53,235.0	51,767.6	45,445.1
Residential Buildings	21,251.8	23,801.6	26,176.6	26,134.9	25,707.6	21,765.9	17,680.8
Non-residential Buildings	16,769.8	17,956.1	18,822.6	18,152.0	18,093.9	19,592.8	17,968.7
Other Construction & Works	7,353.1	7,535.2	7,294.7	8,209.0	9,433.5	10,408.9	9,795.6
Transport Equipment	7,792.0	8,910.2	6,883.4	6,660.5	8,063.8	9,293.6	12,607.5
Machinery & Equipment	22,620.8	23,898.7	23,812.4	23,773.1	24,024.1	25,181.1	25,125.0
Intellectual Property Products	12,839.0	14,036.6	19,399.1	25,089.0	25,094.7	23,551.9	24,667.9
				Public			
Total	15,373.5	16,904.7	17,009.3	18,818.1	20,357.3	22,393.5	21,815.5
Construction & Works	13,048.0	14,241.3	14,617.7	16,183.0	17,271.6	19,039.4	18,571.6
Residential Buildings	3,674.8	4,590.4	5,359.6	5,784.3	5,992.6	5,161.8	4,221.9
Non-residential Buildings	3,461.0	3,591.6	3,514.3	4,147.1	4,122.5	5,605.8	6,465.7
Other Construction & Works	5,912.2	6,059.3	5,743.8	6,251.6	7,156.5	8,271.8	7,884.0
Transport Equipment	46.4	111.7	75.4	284.1	248.1	573.1	338.3
Machinery & Equipment	795.4	971.8	721.5	721.2	1,089.2	944.6	1,028.0
Intellectual Property Products	1,483.7	1,579.9	1,594.7	1,629.8	1,748.4	1,836.4	1,877.6
				Private			
Total	73,253.0	79,233.7	85,379.5	89,200.4	90,060.3	87,400.7	86,030.0
Construction & Works	32,326.7	35,051.6	37,676.2	36,312.9	35,963.4	32,728.2	26,873.5
Residential Buildings	17,577.0	19,211.2	20,817.0	20,350.6	19,715.0	16,604.1	13,458.9
Non-residential Buildings	13,308.8	14,364.5	15,308.3	14,004.9	13,971.4	13,987.0	11,503.0
Other Construction & Works	1,440.9	1,475.9	1,550.9	1,957.4	2,277.0	2,137.1	1,911.6
Transport Equipment	7,745.6	8,798.5	6,808.0	6,376.4	7,815.7	8,720.5	12,269.2
Machinery & Equipment	21,825.4	22,926.9	23,090.9	23,051.9	22,934.9	24,236.5	24,097.0
Intellectual Property Products	11,355.3	12,456.7	17,804.4	23,459.2	23,346.3	21,715.5	22,790.3

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=12388

5.6 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY

(2010 = 100)

Industry	2011	2012	2013	2014	2015	2016	2017
GDP at Market Prices	101.2	101.8	101.6	101.3	104.9	104.9	105.8
Goods Producing Industries	95.4	97.2	94.0	97.6	107.2	104.0	100.6
Manufacturing	94.0	96.2	91.9	95.5	107.9	104.7	101.1
Construction	99.1	98.8	100.2	104.2	104.7	101.8	97.6
Utilities	103.9	106.6	101.9	103.8	108.1	103.0	103.9
Other Goods Industries [1]	99.2	96.2	98.9	98.4	99.5	99.5	100.4
Services Producing Industries	101.7	101.2	100.9	99.4	101.1	102.6	105.3
Wholesale & Retail Trade	107.2	100.8	96.2	87.0	84.8	89.0	94.3
Transportation & Storage	83.3	84.5	84.7	90.4	98.1	89.3	93.2
Accommodation & Food Services	106.6	111.3	112.2	115.2	116.6	117.5	117.9
Information & Communications	103.2	104.1	104.4	103.9	105.6	108.9	110.2
Finance & Insurance	96.8	97.5	94.6	93.3	96.1	97.7	101.2
Business Services	104.9	107.8	111.6	113.7	114.9	116.1	114.7
Other Services Industries	105.4	107.2	112.5	114.6	119.0	122.4	125.4
Ownership of Dwellings	118.8	125.7	133.4	133.0	129.1	119.0	111.0
Gross Value Added at Basic Prices	100.6	101.0	100.2	100.1	103.6	103.5	104.3
Add : Taxes on Products	114.0	117.4	131.1	128.9	132.1	131.2	134.7

Notes : Data on industry are classified according to the 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=12366

5.7 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT

(2010 = 100)

	2011	2012	2013	2014	2015	2016	2017
Total	101.2	101.8	101.6	101.3	104.9	104.9	105.8
Private Consumption Expenditure	104.2	107.3	108.6	109.5	109.7	108.5	108.8
Government Consumption	104.1	104.9	107.8	110.6	114.1	115.5	117.8
Gross Fixed Capital Formation	99.8	100.9	103.7	103.6	105.4	103.5	102.9
Exports of Goods & Services	102.7	102.5	99.9	98.7	92.6	88.9	92.0
Imports of Goods & Services	104.0	104.2	101.9	100.4	92.2	88.3	92.1

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12435

5.8 INCOME COMPONENTS OF GROSS DOMESTIC PRODUCT

(At Current Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
GDP at Current Market Prices	347,111.2	363,254.9	380,963.7	394,751.7	418,073.6	427,938.8	447,283.5
Compensation of Employees	135,988.9	144,951.7	155,356.9	166,784.3	176,972.8	183,599.1	189,444.8
Gross Operating Surplus	185,346.6	191,086.6	196,702.8	198,173.2	209,277.2	211,776.1	226,353.7
Taxes Less Subsidies on Production & Imports	26,581.5	28,210.4	29,706.1	29,615.8	31,386.5	34,713.5	37,249.2
Other Taxes Less Subsidies on Production	6,615.2	7,058.2	7,535.2	7,866.9	7,129.8	8,195.8	8,957.4
Taxes on Products	19,966.3	21,152.2	22,170.9	21,748.9	24,256.7	26,517.7	28,291.8
Statistical Discrepancy	-805.8	-993.8	-802.1	178.4	437.1	-2,149.9	-5,764.2

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12387

5.9 GROSS OPERATING SURPLUS BY INDUSTRY

(At Current Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	185,346.6	191,086.6	196,702.8	198,173.2	209,277.2	211,776.1	226,353.7
Manufacturing	44,273.0	45,308.6	41,464.1	44,345.8	49,844.3	51,040.3	55,948.3
Construction	5,423.6	5,380.5	5,123.5	4,982.8	5,172.4	4,647.7	3,724.9
Utilities	3,970.2	4,055.9	3,809.4	3,871.1	4,199.6	3,890.4	3,944.9
Other Goods Industries [1]	49.7	49.3	58.0	59.6	57.8	56.1	53.7
Wholesale & Retail Trade	45,906.9	44,963.5	45,521.3	39,611.8	38,462.6	41,893.7	47,167.8
Transportation & Storage	12,463.6	13,128.0	13,546.6	15,194.9	17,513.8	15,039.9	16,435.5
Accommodation & Food Services	3,183.1	3,355.4	3,365.9	3,531.2	3,479.7	3,779.3	3,965.5
Information & Communications	5,450.1	5,809.7	6,453.0	6,709.1	6,194.5	6,465.5	6,802.1
Finance & Insurance	16,384.5	17,481.8	21,772.8	22,861.0	24,931.0	26,000.5	29,380.6
Business Services	26,274.5	28,626.3	31,480.0	32,176.1	34,350.1	34,495.9	34,297.5
Other Services Industries	8,873.9	8,697.5	8,669.5	8,946.1	8,883.0	8,761.0	9,288.2
Ownership of Dwellings	13,093.5	14,230.1	15,438.7	15,883.7	16,188.4	15,705.8	15,344.7

Notes : The industries are classified according to the 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=12391

5.10 COMPENSATION OF EMPLOYEES BY INDUSTRY

(At Current Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	135,988.9	144,951.7	155,356.9	166,784.3	176,972.8	183,599.1	189,444.8
Manufacturing	21,510.9	22,124.6	23,220.4	24,407.4	24,650.8	24,231.7	24,498.2
Construction	8,484.7	9,537.7	10,559.6	11,657.3	12,465.3	12,965.4	12,788.4
Utilities	1,036.4	1,127.8	1,259.1	1,381.4	1,488.3	1,511.0	1,522.5
Other Goods Industries [1]	61.0	62.5	61.1	63.8	66.3	68.3	70.2
Wholesale & Retail Trade	20,967.2	22,032.7	22,973.3	24,224.2	25,768.3	26,825.8	27,258.8
Transportation & Storage	9,230.7	9,961.9	10,574.2	11,408.0	12,089.5	12,428.0	12,673.4
Accommodation & Food Services	3,618.6	3,875.0	4,146.0	4,447.3	4,642.9	4,754.2	4,831.6
Information & Communications	6,914.0	7,666.8	8,102.1	8,984.4	9,523.0	9,975.7	10,503.5
Finance & Insurance	18,185.5	19,478.3	20,791.4	22,850.3	24,136.6	24,614.1	25,717.1
Business Services	19,685.9	21,333.4	23,248.7	24,748.9	26,896.8	28,469.1	29,503.5
Other Services Industries	26,294.0	27,751.0	30,421.0	32,611.3	35,245.0	37,755.8	40,077.6

Notes : The industries are classified according to the 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=12389

5.11 OTHER TAXES LESS SUBSIDIES ON PRODUCTION BY INDUSTRY

(At Current Prices)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	6,615.2	7,058.2	7,535.2	7,866.9	7,129.8	8,195.8	8,957.4
Manufacturing	857.1	914.5	1,013.7	1,118.6	964.6	1,045.0	1,113.4
Construction	659.8	1,041.8	1,497.7	1,860.2	2,023.7	2,182.9	2,127.2
Utilities	222.1	171.3	204.6	190.2	212.3	224.8	229.8
Other Goods Industries [1]	11.4	11.8	13.0	13.7	13.3	14.8	16.1
Wholesale & Retail Trade	486.3	446.4	349.6	303.2	79.3	250.8	386.2
Transportation & Storage	733.4	653.0	591.7	525.8	380.3	481.4	639.6
Accommodation & Food Services	268.7	316.1	311.6	245.3	206.6	305.7	371.0
Information & Communications	177.2	192.1	163.2	173.7	127.4	165.6	207.8
Finance & Insurance	137.1	132.5	105.4	94.4	-0.2	37.3	100.6
Business Services	1,510.2	1,510.6	1,584.8	1,717.2	1,748.5	2,004.3	2,156.8
Other Services Industries	848.2	906.2	829.8	646.4	386.5	521.5	649.0
Ownership of Dwellings	703.7	761.9	870.1	978.2	987.5	961.7	959.9

Notes : The industries are classified according to the 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=12393

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:

a) *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 secondary income (current transfers).

b) *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.

c) *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, 2017

	(Million Dollars)
Overall Balance	37,841.2
Current Account Balance	84,220.6
Capital and Financial Account Balance	46,499.8
Reserve Assets	37,841.2

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.

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, or 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 this relationship, both the IIP and financial account of the balance of payments use 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

	2011	2012	2013	2014	2015	2016	2017
A Current Account Balance	76,884.3	61,765.1	62,939.7	73,737.5	77,667.7	81,296.6	84,220.6
Goods Balance	92,258.4	90,702.8	95,280.5	107,739.6	123,482.6	118,092.3	116,966.3
Exports of Goods	554,420.4	553,391.6	560,134.8	557,450.2	528,187.5	501,563.0	547,934.3
Imports of Goods	462,162.0	462,688.8	464,854.3	449,710.6	404,704.9	383,470.7	430,968.0
Services Balance	735.8	-5,598.1	-9,671.3	-15,789.9	-15,889.2	-6,281.2	-8,445.1
Exports of Services	151,040.0	162,428.4	179,248.9	197,605.0	213,440.4	218,195.7	227,410.2
Maintenance & Repair Services	9,343.9	9,053.1	10,769.1	9,856.2	9,318.5	9,275.5	10,167.2
Transport	53,709.9	55,942.4	58,657.7	65,657.3	65,067.2	59,834.9	63,240.4
Freight	41,607.6	43,224.7	46,778.6	52,637.1	51,938.4	46,516.9	48,795.6
Others	12,102.3	12,717.7	11,879.1	13,020.2	13,128.8	13,318.0	14,444.8
Travel	22,551.2	23,487.3	24,063.3	24,277.4	22,845.5	26,173.7	27,213.6
Insurance	4,860.2	4,537.4	5,125.8	6,284.5	8,646.4	8,123.4	8,774.3
Government Goods & Services	344.3	360.3	382.3	377.5	384.8	377.6	380.9
Construction	1,941.0	2,006.6	2,219.9	1,558.6	1,256.4	1,428.3	1,308.4
Financial	19,128.7	20,694.6	23,613.6	26,664.5	28,834.2	30,156.1	31,461.7
Telecommunications, Computer & Information	6,239.9	8,392.8	9,621.7	10,211.8	12,714.2	16,074.4	15,616.7
Charges for the Use of Intellectual Property	2,089.9	2,320.4	3,974.4	4,790.1	12,109.0	10,213.3	11,428.7
Personal, Cultural & Recreational	854.9	907.1	944.9	1,109.9	1,161.2	1,148.3	1,183.4
Other Business Services	29,976.1	34,726.4	39,876.2	46,817.2	51,103.0	55,390.2	56,634.9
Accounting	402.3	407.3	400.3	332.2	307.3	333.1	335.2
Advertising And Market Research	1,806.8	2,857.6	4,770.2	7,954.3	10,245.1	14,128.1	14,218.1
Architectural	302.0	354.1	312.5	389.6	382.0	341.3	343.4
Business Management	14,651.8	16,486.2	19,455.2	19,818.3	21,015.6	22,090.6	22,226.2
Engineering And Technical	3,397.2	4,195.5	5,059.4	6,054.6	5,246.5	5,052.3	5,560.9
Legal	558.1	600.1	643.4	676.8	766.8	861.2	866.8
Research And Development	635.6	719.4	1,109.1	869.2	1,000.1	953.6	1,049.6
Operating Leasing	2,716.2	3,114.3	3,514.0	4,866.7	5,746.9	5,760.4	6,034.3
Trade-Related	4,808.3	5,489.9	3,928.1	4,899.9	5,469.1	4,929.1	5,043.4
Others	697.8	502.0	684.0	955.6	923.6	940.5	957.0
Imports of Services	150,304.2	168,026.5	188,920.2	213,394.9	229,329.6	224,476.9	235,855.3
Maintenance & Repair Services	872.3	837.0	845.2	880.7	1,003.8	1,009.6	1,026.5
Transport	41,990.2	44,816.7	48,739.7	59,037.2	65,681.0	60,961.6	65,280.4
Freight	26,450.9	26,572.5	29,422.7	37,798.2	43,697.2	39,063.3	42,677.6
Others	15,539.3	18,244.2	19,317.0	21,239.0	21,983.8	21,898.3	22,602.8
Travel	26,924.5	28,894.2	30,510.4	32,333.6	32,586.6	32,933.0	33,892.1
Insurance	5,699.9	5,993.5	6,017.9	5,164.7	7,611.2	8,830.4	9,776.1
Government Goods & Services	260.8	256.8	287.0	295.1	274.7	310.4	294.2
Construction	944.0	944.0	972.4	692.7	656.3	688.0	652.1
Financial	3,915.1	4,034.2	4,647.2	5,479.9	6,049.5	6,142.5	6,176.5
Telecommunications, Computer & Information	7,095.9	9,410.1	11,756.1	19,779.2	14,855.6	17,388.8	17,458.9
Charges for the Use of Intellectual Property	25,111.6	28,322.5	28,641.3	26,336.9	30,071.2	25,561.6	27,381.5
Personal, Cultural & Recreational	716.4	710.1	698.8	790.8	844.4	854.0	879.4
Other Business Services	36,773.5	43,807.4	55,804.2	62,604.1	69,695.3	69,797.0	73,037.6
Accounting	222.2	270.8	260.1	290.8	331.3	393.8	396.3
Advertising And Market Research	2,390.5	2,988.5	3,016.5	3,286.8	3,594.7	4,056.7	4,082.5
Architectural	62.5	84.6	78.8	56.9	46.9	64.8	65.3
Business Management	13,240.0	14,307.0	15,486.3	16,997.7	18,327.9	18,102.4	18,215.6
Engineering And Technical	1,966.9	2,340.1	2,755.6	3,337.6	3,277.2	3,444.8	3,791.8
Legal	234.7	663.9	262.6	298.7	315.5	329.3	331.4
Research And Development	4,528.2	5,410.0	12,057.5	10,752.8	17,566.5	15,188.4	16,518.1
Operating Leasing	1,635.9	3,109.3	4,364.0	7,497.4	4,855.2	4,977.0	5,213.7
Trade-Related	7,731.7	9,123.7	10,768.9	11,973.7	12,225.0	14,454.6	14,797.9
Others	4,760.9	5,509.5	6,753.9	8,111.7	9,155.1	8,785.2	9,625.0

(continued on the next page)

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

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12395

6.1 BALANCE OF PAYMENTS *(continued)*

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
A Current Account Balance *(continued)*	76,884.3	61,765.1	62,939.7	73,737.5	77,667.7	81,296.6	84,220.6
Primary Income Balance	-8,585.7	-14,765.9	-14,478.4	-9,428.8	-15,776.9	-22,102.3	-15,907.0
Primary Income Receipts	81,474.3	79,132.3	82,495.1	86,462.3	92,745.9	99,441.1	105,295.7
Primary Income Payments	90,060.0	93,898.2	96,973.5	95,891.1	108,522.8	121,543.4	121,202.7
Secondary Income Balance	-7,524.2	-8,573.7	-8,191.1	-8,783.4	-14,148.8	-8,412.2	-8,393.6
General Government (Net)	1,005.1	1,178.6	1,033.5	960.2	1,153.4	1,210.2	1,258.2
Other Sectors (Net)	-8,529.3	-9,752.3	-9,224.6	-9,743.6	-15,302.2	-9,622.4	-9,651.8
B Capital and Financial Account Balance [1]	53,375.1	30,301.6	39,367.4	67,070.7	73,991.1	83,693.7	46,499.8
Financial Account (Net)	53,375.1	30,301.6	39,367.4	67,070.7	73,991.1	83,693.7	46,499.8
Direct Investment	-22,074.1	-45,152.5	-25,077.6	-21,697.5	-54,268.0	-64,007.8	-53,789.6
Assets	39,752.7	25,066.0	55,608.4	66,416.5	42,788.3	38,576.2	34,083.4
Liabilities	61,826.8	70,218.5	80,686.0	88,114.0	97,056.3	102,584.0	87,873.0
Portfolio Investment	12,584.4	98,467.6	79,573.1	57,157.3	81,532.1	37,428.1	47,356.0
Assets	5,237.5	104,138.5	77,737.7	62,383.9	74,061.4	44,182.8	65,581.5
Deposit-Taking Corporations, except the Central Bank	-13,746.7	38,125.7	21,614.5	21,227.4	2,389.6	-14,307.9	22,491.0
Official	12,735.8	13,929.9	15,413.5	20,108.5	25,023.9	26,237.3	33,943.9
Others	6,248.4	52,082.9	40,709.7	21,048.0	46,647.9	32,253.4	9,146.6
Liabilities	-7,346.9	5,670.9	-1,835.4	5,226.6	-7,470.7	6,754.7	18,225.5
Deposit-Taking Corporations, except the Central Bank	-2,872.1	-4,814.6	6,704.6	11,447.5	-5,462.6	14,051.6	10,691.0
Others	-4,474.8	10,485.5	-8,540.0	-6,220.9	-2,008.1	-7,296.9	7,534.5
Financial Derivatives	21,480.7	-21,753.3	-16,409.3	-3,616.3	-8,201.4	18,564.7	-18,692.8
Assets	44,140.6	-50,331.4	-13,204.0	5,156.4	-11,846.4	7,229.1	-25,646.5
Liabilities	22,659.9	-28,578.1	3,205.3	8,772.7	-3,645.0	-11,335.6	-6,953.7
Other Investment	41,384.1	-1,260.2	1,281.2	35,227.2	54,928.4	91,708.7	71,626.2
Assets	97,488.0	23,045.3	123,566.7	101,194.5	50,230.4	131,889.8	114,162.5
Deposit-Taking Corporations, except the Central Bank	73,478.3	-16,433.3	80,780.8	50,392.5	22,100.2	33,900.0	19,183.2
Official	33,872.6	19,290.5	37,030.3	22,029.4	14,679.3	59,684.0	68,528.2
Others	-9,862.9	20,188.1	5,755.6	28,772.6	13,450.9	38,305.8	26,451.1
Liabilities	56,103.9	24,305.5	122,285.5	65,967.3	-4,698.0	40,181.1	42,536.3
Deposit-Taking Corporations, except the Central Bank	59,486.2	7,198.3	108,742.1	52,241.7	-1,340.2	13,786.0	33,915.1
Others	-3,382.3	17,107.2	13,543.4	13,725.6	-3,357.8	26,395.1	8,621.2
C Net Errors and Omissions	-2,021.5	1,142.4	-841.4	1,951.0	-2,175.9	-58.2	120.4
D Overall Balance (A-B+C)	21,487.7	32,605.9	22,730.9	8,617.8	1,500.7	-2,455.3	37,841.2
E Reserves Assets	21,487.7	32,605.9	22,730.9	8,617.8	1,500.7	-2,455.3	37,841.2
Special Drawing Rights	-237.1	-91.8	56.6	-19.8	39.8	-271.2	-23.1
Reserve Position in the IMF	484.6	35.1	181.0	-212.6	-231.6	589.1	-358.5
Foreign Exchanges Assets	21,240.2	32,662.6	22,493.3	8,850.2	1,692.5	-2,773.2	38,222.8

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.

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6.2 SINGAPORE INTERNATIONAL INVESTMENT POSITION

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Net International Investment Position	693,784.6	722,637.1	766,232.3	772,829.7	880,099.0	964,204.3	1,075,007.6
External Assets	3,185,854.9	3,359,007.5	3,704,292.6	4,031,629.8	4,313,581.2	4,556,403.9	4,838,807.1
Direct Investment	651,895.4	698,210.2	783,760.0	892,281.7	1,006,309.0	1,077,222.9	1,124,618.4
Equity And Investment Fund Shares	438,599.8	488,018.3	542,985.5	645,530.1	712,969.5	786,975.7	825,499.5
Debt Instruments	213,295.6	210,191.9	240,774.5	246,751.6	293,339.5	290,247.2	299,118.9
Portfolio Investment	794,263.8	983,742.5	1,158,478.3	1,270,411.8	1,372,318.8	1,487,698.4	1,669,321.2
Equity And Investment Fund Shares	399,312.5	523,838.3	596,598.1	642,737.7	695,528.3	751,067.1	850,398.0
Debt Securities	394,951.3	459,904.2	561,880.2	627,674.1	676,790.5	736,631.3	818,923.2
Financial Derivatives	184,796.1	113,431.8	110,404.2	144,169.2	137,620.6	133,410.5	140,967.1
Other Investment	1,246,496.4	1,246,878.8	1,306,920.9	1,384,329.0	1,446,342.0	1,501,818.2	1,529,906.4
Trade Credits And Advances	171,943.3	173,974.4	176,719.8	185,241.7	175,893.6	187,868.3	197,604.3
Loans	270,971.8	291,168.3	342,060.5	397,430.3	415,862.9	407,239.8	464,999.2
Currency And Deposits	652,684.4	652,102.3	679,059.8	668,372.3	703,101.0	755,412.3	744,482.7
Insurance Technical Reserves	8,687.3	8,750.3	8,322.6	9,247.4	10,563.0	13,852.1	15,021.3
Other Accounts Receivable	142,209.6	120,883.5	100,758.2	124,037.3	140,921.5	137,445.7	107,798.9
Reserve Assets [1]	308,403.2	316,744.2	344,729.2	340,438.1	350,990.8	356,253.9	373,994.0
Special Drawing Rights	1,732.9	1,641.1	1,697.7	1,677.9	1,717.7	1,446.4	1,423.3
Reserve Position In The IMF	1,080.8	1,115.8	1,296.7	1,084.1	852.6	1,441.7	1,083.3
Foreign Exchange Assets	305,589.5	313,987.3	341,734.8	337,676.1	348,420.5	353,365.8	371,487.4
External Liabilities	2,492,070.3	2,636,370.4	2,938,060.3	3,258,800.1	3,433,482.2	3,592,199.6	3,763,799.5
Direct Investment	889,210.7	1,005,528.2	1,135,023.7	1,357,379.1	1,540,853.1	1,624,574.5	1,717,436.7
Equity And Investment Fund Shares	720,349.6	831,206.5	942,140.4	1,117,001.9	1,275,661.7	1,333,592.7	1,440,572.8
Debt Instruments	168,861.1	174,321.7	192,883.3	240,377.2	265,191.4	290,981.8	276,863.9
Portfolio Investment	166,147.2	201,981.5	248,019.8	274,743.3	245,464.1	273,001.8	318,230.0
Equity And Investment Fund Shares	145,952.4	174,700.0	207,900.9	228,751.5	203,923.2	210,483.6	253,002.5
Debt Securities	20,194.8	27,281.5	40,118.9	45,991.8	41,540.9	62,518.2	65,227.5
Financial Derivatives	130,081.1	101,765.7	100,445.8	123,238.5	131,706.8	129,760.6	136,883.8
Other Investment	1,306,631.3	1,327,095.0	1,454,571.0	1,503,439.2	1,515,458.2	1,564,862.7	1,591,249.0
Trade Credits And Advances	145,918.9	150,352.1	151,598.2	143,914.0	140,870.5	160,150.1	171,041.4
Loans	81,532.0	93,513.9	109,782.7	115,496.6	126,773.0	144,964.5	129,978.3
Currency And Deposits	978,831.8	991,308.1	1,099,725.5	1,138,588.3	1,121,692.9	1,128,879.8	1,177,904.9
Insurance Technical Reserves	16,136.7	13,510.9	12,499.1	13,320.8	13,830.8	14,491.2	13,865.6
Special Drawing Rights Allocation	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,416.6
Other Accounts Payable	82,725.8	77,010.6	79,518.7	90,690.7	110,828.8	114,931.3	97,042.2

1 Assets held by the Monetary Authority of Singapore.

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6.3 EXTERNAL DEBT

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Gross External Debt	1,495,687.5	1,528,698.4	1,687,573.0	1,789,808.1	1,822,190.5	1,918,362.8	1,933,340.2
Direct Investment: Intercompany Loans	168,861.1	174,321.7	192,883.3	240,377.2	265,191.4	290,981.8	276,863.8
Debt Liabilities Of DIE [1]							
To Direct Investors	101,377.2	104,237.6	104,687.2	129,092.5	141,374.5	181,494.0	172,234.0
Debt Liabilities Of Direct Investors							
To DIE [1]	16,113.5	18,001.4	30,130.8	32,540.8	39,438.5	39,958.3	41,560.2
Debt Liabilities Between							
Fellow Enterprises	51,370.4	52,082.7	58,065.3	78,743.9	84,378.4	69,529.5	63,069.6
Other Liabilities	1,326,826.4	1,354,376.7	1,494,689.7	1,549,430.9	1,556,999.1	1,627,381.0	1,656,476.4
General Government	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Central Bank	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,416.6
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	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,416.6
Special Drawing Rights							
(Allocations)	1,486.1	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,416.6
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	1,061,772.8	1,070,379.4	1,188,696.9	1,242,602.5	1,239,125.3	1,254,124.4	1,292,498.0
Short-term	984,450.8	998,801.0	1,113,891.9	1,155,988.0	1,133,983.4	1,146,703.6	1,204,433.1
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	1,881.0	3,591.3	10,238.5	13,474.6	7,522.5	12,022.3	20,394.7
Currency And Deposits	978,247.6	990,715.3	1,099,077.2	1,137,726.2	1,120,889.7	1,127,944.5	1,176,718.5
Others	4,322.2	4,494.4	4,576.2	4,787.2	5,571.2	6,736.8	7,319.9
Long-term	77,322.0	71,578.4	74,805.0	86,614.5	105,141.9	107,420.8	88,064.9
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	748.4	1,020.0	2,178.3	2,232.7	2,314.8	1,483.2	870.6
Others	76,573.6	70,558.4	72,626.7	84,381.8	102,827.1	105,937.6	87,194.3

(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 tc 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.

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6.3 EXTERNAL DEBT *(continued)*

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Gross External Debt (continued)							
Other Liabilities (continued)							
Other Sector	263,567.5	282,597.9	304,546.0	305,399.6	316,411.6	371,810.8	362,561.8
Short-term	191,068.4	205,298.2	219,660.1	216,091.8	230,860.5	263,914.0	264,582.4
Trade Credits And Advances	145,918.9	150,352.1	151,598.2	143,914.0	140,870.5	160,150.1	171,041.4
Loans	43,040.3	52,692.9	65,068.7	69,270.7	87,409.5	101,120.5	90,618.1
Debt Securities	902.2	846.7	1,052.6	864.8	760.7	698.8	581.1
Others	1,207.0	1,406.5	1,940.6	2,042.3	1,819.8	1,944.6	2,341.8
Long-term	72,499.1	77,299.7	84,885.9	89,307.8	85,551.1	107,896.8	97,979.4
Loans	38,491.8	40,821.0	44,714.0	46,225.8	39,363.6	43,844.0	39,360.2
Debt Securities	16,663.3	21,823.6	26,649.4	29,419.7	30,942.8	48,313.9	43,381.0
Others	17,344.0	14,655.1	13,522.5	13,662.3	15,244.7	15,738.9	15,238.2

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".

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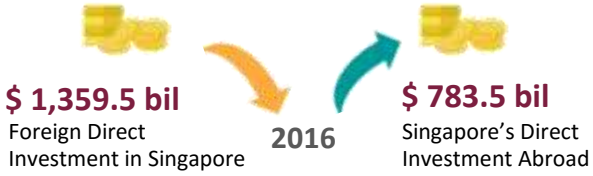
7

Investment

7 Investment

Direct Investment

Data on foreign direct investment are sourced from financial accounts which companies file with the Accounting and Corporate Regulatory Authority (ACRA) and other government agencies, as well as the Survey of Foreign Debt and Financial Derivative Transactions and Survey of Singapore's Investment Abroad.



Definitions

Foreign Direct Investment (FDI): Refers to an investment in which a direct investor owns 10 per cent or more of the ordinary shares or voting power in an enterprise in another country.

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

Foreign Direct Equity Investment (FDEI): Refers to equity capital in the direct investment enterprise attributable to its 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. For 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 the direct investors less distributed earnings, proportionate to the percentage of shares held by the direct investors.

Net Inter-Company Debt: Refers to the net outstanding debt owed by the foreign direct investment enterprise to its 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

Annual statistics on direct investment are available in the reports "Foreign Direct Investment in Singapore" and "Singapore's Direct Investment Abroad" published by the Singapore Department of Statistics.

7.1 STOCK OF FOREIGN DIRECT INVESTMENT IN SINGAPORE BY INDUSTRY

(End of Period)

Million Dollars

Industry	2010	2011	2012	2013	2014	2015	2016
Total	665,113.4	702,565.2	808,461.3	905,223.6	1,112,325.2	1,267,105.3	1,359,476.8
Manufacturing	133,591.1	139,869.0	127,486.7	159,659.5	157,036.7	167,011.8	169,875.1
Construction	1,754.5	2,521.7	2,570.3	3,447.3	3,944.5	3,541.0	4,374.3
Wholesale & Retail Trade	111,275.8	122,198.0	164,274.0	186,395.2	236,611.1	281,616.2	298,012.3
Accommodation & Food Service Activities	4,131.9	4,600.1	4,817.3	3,965.7	5,239.3	6,290.6	6,472.5
Transport & Storage	35,004.2	30,338.9	34,529.0	32,907.9	37,983.8	40,481.9	28,472.7
Information & Communications	7,778.9	7,016.4	11,207.8	12,516.2	18,621.9	20,885.1	18,390.0
Financial & Insurance Services	310,577.5	317,892.5	382,050.5	411,262.7	525,684.2	591,754.6	674,706.0
Real Estate Activities	19,448.9	25,642.1	29,549.6	31,245.8	36,986.1	34,151.0	37,734.3
Professional, Scientific & Technical, Administrative & Support Services	33,992.1	42,792.7	42,723.3	53,655.4	76,865.4	106,095.1	105,695.5
Others	7,558.6	9,693.8	9,252.8	10,167.9	13,352.2	15,277.8	15,744.2

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

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7.2 STOCK OF SINGAPORE'S DIRECT INVESTMENT ABROAD BY ACTIVITY ABROAD

(End of Period)

Million Dollars

Industry	2010	2011	2012	2013	2014	2015	2016
Total	426,606.2	449,044.5	497,193.2	544,258.3	650,940.6	718,490.2	783,517.1
Manufacturing	89,077.0	90,391.9	96,570.6	103,844.1	115,487.1	129,255.4	130,951.1
Construction	1,298.6	1,298.2	1,474.4	1,643.8	1,881.9	1,889.3	2,039.8
Wholesale & Retail Trade	26,379.2	31,802.6	38,735.8	43,848.5	53,312.0	62,900.5	63,863.4
Accommodation & Food Service Activities	3,776.2	4,380.4	4,703.2	4,530.7	4,369.4	4,578.8	4,901.6
Transport & Storage	10,611.8	11,114.2	12,982.4	14,988.4	19,237.3	20,931.6	22,395.5
Information & Communications	18,165.8	20,920.6	22,263.7	22,420.3	27,407.8	30,793.8	34,115.2
Financial & Insurance Services	207,160.3	211,546.6	234,837.9	262,360.4	332,289.6	356,756.7	378,102.8
Real Estate Activities	34,898.1	38,843.8	39,000.2	41,624.6	46,077.1	55,514.3	58,619.7
Professional, Scientific & Technical, Administrative & Support Services	7,649.0	8,313.4	9,634.8	11,492.3	13,770.9	21,273.2	26,041.4
Others	27,590.1	30,432.9	36,990.2	37,505.2	37,107.4	34,596.5	62,486.6

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

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15513

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

(End of Period)

Million Dollars

Region/Country	2010	2011	2012	2013	2014	2015	2016
Total	665,113.4	702,565.2	808,461.3	905,223.6	1,112,325.2	1,267,105.3	1,359,476.8
Asia	168,772.1	170,941.3	197,698.3	220,158.7	283,692.8	299,943.7	292,316.3
Brunei Darussalam	292.5	338.2	369.7	389.5	341.2	324.8	358.2
Cambodia	6.9	22.8	22.6	23.1	21.0	21.7	15.9
China	17,163.2	15,096.8	16,306.2	17,846.2	16,195.3	22,688.7	24,497.8
Hong Kong	19,555.2	21,801.0	30,393.2	33,490.1	50,122.5	48,713.0	52,767.4
India	24,542.0	23,104.1	23,861.8	25,443.9	25,759.3	24,541.7	20,626.8
Indonesia	4,275.8	2,054.7	3,819.1	2,798.6	2,172.5	3,119.5	4,270.0
Israel	4,710.9	4,747.4	4,534.1	4,667.7	4,503.3	1,931.5	1,742.1
Japan	56,005.2	55,338.2	60,068.8	72,246.2	110,106.2	115,247.2	93,985.4
Korea, Republic of	3,061.7	4,143.3	3,306.0	4,680.9	7,576.1	10,780.9	13,920.4
Lao People's Democratic Republic	2.5	3.8	3.7	37.6	36.0	36.9	45.8
Malaysia	19,433.9	23,739.1	31,370.3	30,941.4	32,518.2	32,394.9	35,028.2
Myanmar	45.0	19.4	9.0	34.2	91.1	147.7	235.6
Philippines	2,618.6	2,419.9	2,958.6	3,730.7	3,060.1	3,760.3	3,420.3
Taiwan	5,795.4	7,127.8	7,252.1	8,433.7	12,383.2	14,553.4	16,438.0
Thailand	5,312.4	4,153.1	3,806.2	4,175.9	4,533.6	5,263.2	6,715.4
Viet Nam	59.6	60.6	24.2	107.8	181.3	380.9	496.0
Europe	233,371.0	260,406.4	280,778.4	302,232.7	326,556.6	383,963.8	419,606.0
Denmark	8,241.7	8,973.9	10,027.5	10,496.0	10,722.0	14,339.6	15,841.0
France	8,064.9	10,609.2	12,595.3	12,874.5	14,893.0	15,622.9	16,199.8
Germany	13,985.3	14,242.2	14,701.6	15,810.6	17,755.1	18,597.2	17,701.0
Ireland	5,055.2	7,131.5	7,897.9	7,321.8	10,259.3	22,234.3	26,509.2
Luxembourg	19,968.3	23,797.5	21,256.5	24,413.9	42,591.4	48,712.7	66,387.7
Netherlands	61,979.7	71,651.1	90,555.8	84,902.2	70,062.5	99,125.9	102,124.9
Norway	22,636.1	22,056.9	20,731.7	21,118.2	21,475.9	22,339.8	20,850.4
Switzerland	27,138.1	28,545.8	32,349.4	39,635.6	44,348.3	47,910.4	40,691.9
United Kingdom	49,349.4	55,899.8	49,092.4	59,016.3	62,181.3	60,141.8	72,018.5
North America	70,623.3	79,091.4	110,316.1	136,907.5	200,855.2	253,471.5	291,716.6
United States	67,206.2	74,644.7	105,145.3	129,927.8	192,312.1	242,936.9	279,576.6
Canada	3,417.1	4,446.7	5,170.8	6,979.7	8,543.1	10,534.7	12,139.8
Oceania	12,676.0	14,582.6	15,719.5	17,504.7	23,641.9	25,170.7	25,735.5
Australia	8,296.1	10,052.7	10,220.2	10,424.6	15,216.8	15,792.0	15,566.9
New Zealand	2,509.8	3,081.5	3,472.6	4,288.2	3,570.6	3,868.7	4,590.5
South and Central America and the Caribbean	164,546.6	163,638.7	186,679.3	208,880.0	255,081.5	277,185.2	301,314.2
Africa	15,114.1	13,761.4	16,844.4	19,264.7	21,984.3	25,344.6	27,436.2
ASEAN [1]	32,047.3	32,811.5	42,383.4	42,238.8	42,955.0	45,449.9	50,585.4
European Union (EU 28) [2]	177,311.9	201,166.9	217,725.3	226,919.1	244,837.8	297,078.5	338,642.6

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

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

(End of Period)

Million Dollars

Region/Country	2010	2011	2012	2013	2014	2015	2016
Total	426,606.2	449,044.5	497,193.2	544,258.3	650,940.6	718,490.2	783,517.1
Asia	226,474.6	258,899.5	276,802.4	294,079.0	336,871.5	378,962.2	392,374.5
Brunei Darussalam	177.7	149.5	207.6	227.6	243.4	268.2	247.3
Cambodia	271.5	216.5	225.7	240.7	247.6	346.0	383.6
China	72,430.8	85,231.9	92,047.0	102,624.8	114,454.7	123,790.0	123,864.6
Hong Kong	25,008.0	39,429.5	40,241.3	41,830.8	51,119.1	51,947.4	53,736.4
India	10,630.8	11,242.1	12,909.4	16,000.2	22,678.8	34,728.4	36,850.5
Indonesia	31,343.1	35,084.2	39,910.8	40,633.0	47,020.5	49,547.7	52,893.1
Japan	14,103.9	14,079.0	9,963.8	9,772.8	9,715.4	13,963.1	14,524.7
Korea, Republic of	3,221.4	2,773.8	2,886.9	3,420.9	4,035.9	6,718.3	8,271.4
Lao People's Democratic Republic	222.7	225.2	226.3	163.9	262.1	293.1	284.9
Malaysia	31,470.4	33,116.9	36,486.3	36,700.0	40,526.3	43,726.8	43,290.4
Myanmar	183.4	174.3	291.8	332.2	1,941.5	3,203.9	4,243.0
Philippines	5,235.8	5,393.1	5,330.4	5,226.6	5,421.8	7,264.5	7,421.7
Taiwan	5,968.1	6,182.2	7,557.9	7,785.7	7,318.0	7,975.1	7,671.7
Thailand	19,981.4	19,810.6	19,669.0	18,982.0	20,066.0	21,026.2	23,015.3
Viet Nam	2,770.0	3,101.4	3,745.4	4,333.0	5,331.5	7,043.0	8,435.5
Europe	63,107.3	62,043.3	79,921.4	93,380.0	106,478.3	110,995.7	180,854.9
Germany	1,715.6	1,652.8	1,576.9	1,369.2	1,407.7	1,529.1	1,349.5
Luxembourg	877.7	1,607.3	12,172.6	15,988.7	28,282.8	30,189.0	65,203.5
Netherlands	7,501.9	7,735.1	7,827.0	10,345.7	14,724.3	20,235.0	23,752.6
Norway	2,125.5	2,057.1	2,811.9	3,155.5	3,831.2	4,385.4	3,138.9
Switzerland	4,433.3	3,435.5	3,661.4	4,431.1	5,257.7	5,770.5	6,200.0
United Kingdom	39,502.4	37,254.8	43,713.6	49,153.1	42,429.8	37,877.4	44,125.5
North America	14,680.9	8,125.5	9,691.8	10,256.1	15,622.7	17,415.4	31,251.2
United States	14,154.8	7,334.0	8,296.7	9,695.5	13,536.8	17,056.0	30,800.9
Canada	526.1	791.4	1,395.1	560.7	2,085.9	359.4	450.4
Oceania	36,916.5	40,038.8	45,659.4	48,054.2	44,583.5	47,353.7	49,165.5
Australia	33,322.6	36,106.5	41,943.5	43,707.1	39,738.8	42,478.4	45,297.4
New Zealand	1,265.5	1,565.6	1,710.4	2,137.1	2,275.5	2,400.0	1,945.9
South and Central America and the Caribbean	59,531.8	59,221.7	64,641.9	77,798.0	125,287.1	139,891.1	104,612.6
Africa	25,895.0	20,715.8	20,476.3	20,690.9	22,097.6	23,872.2	25,258.3
ASEAN [1]	91,656.1	97,271.7	106,093.1	106,839.1	121,060.9	132,719.4	140,214.9
European Union (EU 28) [2]	54,949.6	54,634.3	71,159.8	83,579.8	95,005.5	97,230.4	142,933.9

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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7.5 INVESTMENT COMMITMENTS IN MANUFACTURING AND SERVICES BY INDUSTRY

(Fixed Asset Investments) Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	13,734.3	16,007.8	12,135.2	11,840.2	11,494.9	9,389.0	9,449.1
Manufacturing [1]	11,274.3	14,299.4	7,956.8	6,762.4	8,299.7	5,876.3	6,200.6
Food, Beverage & Tobacco	..	..	97.0	482.2	..	173.8	..
Petroleum & Chemical Products	2,523.9	5,726.6	2,508.5	2,635.8	3,560.7	1,259.1	1,316.9
Pharmaceutical & Biological Products	..	196.7	593.9	721.6	471.7	177.8	439.5
Rubber & Plastic Products	..	..	..	..	..	..	..
Fabricated Metal Products	..	..	91.6	..	..	..	93.0
Machinery & Equipment	647.2	432.3	518.2	345.7	7.7	351.0	502.2
Computers, Electronic & Optical Products	7,424.9	6,313.5	3,293.9	1,746.2	3,266.1	2,322.3	2,263.7
Transport Equipment	307.6	310.4	591.8	703.5	484.9	1,090.2	238.0
Other Manufacturing Industries	370.7	1,319.9	261.9	127.4	508.6	502.1	1,347.3
Services Industries	2,460.0	1,708.4	4,178.4	5,077.8	3,195.2	3,512.7	3,248.5

Source : Economic Development Board

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

1 Includes servicing, engineering and R&D.

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

(Fixed Asset Investments) Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	13,734.3	16,007.8	12,135.2	11,840.2	11,494.9	9,389.0	9,449.1
Local	1,875.4	1,837.5	3,144.6	1,942.2	1,058.6	2,171.5	931.7
Foreign	11,858.9	14,170.3	8,990.6	9,898.0	10,436.3	7,217.5	8,517.4
United States	5,047.4	5,654.5	3,725.4	1,838.4	6,969.3	3,460.2	3,575.1
Europe	2,131.9	3,134.3	3,281.2	3,117.8	1,510.1	1,248.9	2,722.9
Japan	995.0	967.8	670.4	317.2	422.9	680.6	892.8
Asia Pacific & Others	3,684.6	4,413.7	1,313.6	4,624.6	1,534.0	1,827.8	1,326.6

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=14564

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) Guidelines on Collecting and Reporting Data 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 in the 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:

a) Research scientists and engineers (RSEs)

b) Full-time postgraduate research students (FPGRS)

c) Non-degree researchers

Technicians: Refer to persons whose main tasks require 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 or are directly associated with R&D projects.

R&D Manpower, 2016

50,006

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, 2016

$9,519.3 mil

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, 2016

11,533	2,002	986
Patents Owned	Patents Applied	Patents Awarded

8.1 ORGANISATIONS PERFORMING R&D BY SECTOR

Number

Sector	2010	2011	2012	2013	2014	2015	2016
Total	859	863	758	873	950	880	845
Private	799	804	699	812	882	808	776
Higher Education	11	11	12	13	12	13	13
Government	29	29	28	29	31	34	31
Public Research Institutes	20	19	19	19	25	25	25

Source : Agency for Science, Technology and Research

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14632

8.2 R&D MANPOWER BY OCCUPATION AND SEX

Number

	2010	2011	2012	2013	2014	2015	2016
Total	43,164	44,855	45,001	47,275	47,902	50,531	50,006
Male	28,796	29,942	29,977	31,608	31,875	33,496	33,048
Female	14,368	14,913	15,024	15,667	16,027	17,035	16,958
Researchers							
RSE [1]	28,296	29,482	30,109	31,943	32,835	34,988	35,299
Male	20,531	21,345	21,647	22,865	23,319	24,716	24,766
Female	7,765	8,137	8,462	9,078	9,516	10,272	10,533
FPGRS [2]	5,760	5,990	5,924	6,012	5,800	5,862	5,734
Male	3,618	3,752	3,710	3,852	3,703	3,803	3,763
Female	2,142	2,238	2,214	2,160	2,097	2,059	1,971
Non-Degree	2,505	2,541	2,399	2,430	2,095	2,328	2,158
Male	1,700	1,813	1,709	1,712	1,456	1,589	1,424
Female	805	728	690	718	639	739	734
Technicians	3,101	3,089	3,022	3,115	3,083	2,969	2,748
Male	1,867	1,872	1,807	1,900	1,921	1,810	1,605
Female	1,234	1,217	1,215	1,215	1,162	1,159	1,143
Supporting Staff	3,502	3,753	3,547	3,775	4,089	4,384	4,067
Male	1,080	1,160	1,104	1,279	1,476	1,578	1,490
Female	2,422	2,593	2,443	2,496	2,613	2,806	2,577

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=14565

8.3 R&D EXPENDITURE BY AREA OF RESEARCH, 2016

Million Dollars

Area of Research	Total	Private Sector	Higher Education Sector	Government Sector	Public Research Institutes
Total	9,519.3	5,733.4	1,648.8	1,011.4	1,125.8
Agricultural & Food Sciences	280.4	247.2	15.8	17.3	0.0
Engineering & Technology	5,984.8	4,309.0	510.9	596.3	568.6
Biomedical & Related Sciences	1,808.9	560.5	521.8	279.6	447.0
Natural Sciences (excl Biological Sciences)	943.0	489.9	284.3	77.6	91.2
Energy	150.7	31.5	118.8	0.0	0.5
Others	351.5	95.3	197.2	40.5	18.6

Source : Agency for Science, Technology and Research

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14600

8.4 R&D EXPENDITURE BY TYPE OF COSTS, 2016

Million Dollars

Type of Costs	Total	Private Sector	Higher Education Sector	Government Sector	Public Research Institutes
Total	9,519.3	5,733.4	1,648.8	1,011.4	1,125.8
Capital Costs	1,216.7	731.6	188.8	112.2	184.0
Land, Buildings & Other Structures	217.7	107.8	13.9	67.9	28.1
Vehicles, Plants, Machinery & Equipment	999.0	623.8	174.9	44.3	155.9
Manpower Costs	4,272.2	2,357.3	971.4	454.2	489.4
Researchers	3,736.9	2,107.8	888.9	326.1	414.0
RSE [1]	3,405.2	1,972.9	720.7	306.9	404.8
FPGRS [2]	163.6	0.0	163.6	0.0	0.0
Non-Degree	168.1	134.9	4.7	19.2	9.3
Technicians	196.5	105.6	13.8	31.0	46.1
Others	338.9	143.8	68.7	97.2	29.2
Other Operating Costs	4,030.3	2,644.4	488.6	444.9	452.4

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=14547

8.5 R&D EXPENDITURE BY SECTOR

Million Dollars

Sector	2010	2011	2012	2013	2014	2015	2016
Total	6,489.0	7,448.5	7,244.7	7,565.8	8,526.5	9,552.9	9,519.3
Private	3,947.6	4,628.2	4,415.2	4,496.1	5,215.7	5,824.6	5,733.4
Higher Education	968.1	1,086.4	1,192.7	1,311.3	1,349.3	1,573.6	1,648.8
Government	672.3	758.3	725.0	857.6	972.1	1,027.9	1,011.4
Public Research Institutes	901.0	975.6	911.9	900.9	989.4	1,126.9	1,125.8

Source : Agency for Science, Technology and Research

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14593

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

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	3,947.6	4,628.2	4,415.2	4,496.1	5,215.7	5,824.6	5,733.4
Manufacturing	2,290.4	2,199.4	2,603.6	2,568.6	2,837.1	3,205.4	3,071.3
Services	1,640.2	2,411.2	1,797.2	1,905.1	2,355.5	2,601.2	2,633.6
Others	17.1	17.5	14.4	22.3	23.0	17.9	28.5

Source : Agency for Science, Technology and Research

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

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14556

8.7 R&D OUTPUT

Number

	2010	2011	2012	2013	2014	2015	2016
Patents Owned [1]	5,450	4,763	5,129	5,275	6,579	8,575	11,533
Public Sector	998	1,208	1,251	1,295	1,356	1,463	1,611
Private Sector	4,452	3,555	3,878	3,980	5,223	7,112	9,922
Patents Applied	1,762	1,913	1,722	2,144	1,965	2,090	2,002
Public Sector	499	608	698	821	834	857	917
Private Sector	1,263	1,305	1,024	1,323	1,131	1,233	1,085
Patents Awarded	653	855	820	934	911	988	986
Public Sector	131	176	155	217	204	254	265
Private Sector	522	679	665	717	707	734	721

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=14634

9

The Corporate Sector

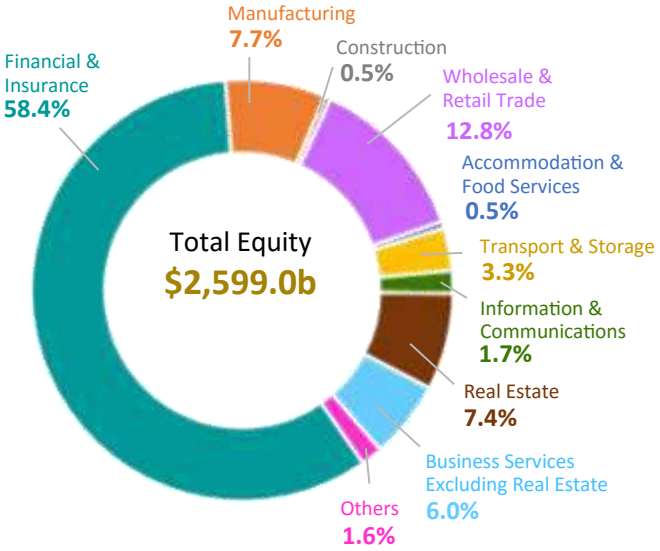
9 The Corporate Sector

Data on the corporate sector cover companies incorporated or registered in Singapore, including branches of foreign companies. They are sourced from financial accounts which companies file with the Accounting and Corporate Regulatory Authority (ACRA) or other government agencies.

Definitions

Total Equity: Comprises mainly share capital, retained earnings and other reserves. For Singapore branches of foreign-incorporated companies, the net amounts owed by Singapore branches to the foreign head offices are used as proxies for their equity.

Total Equity by Industry, (End of Period), 2016



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

Current Ratio: Refers to the ratio of current assets to current liabilities. It measures the liquidity of the company, i.e. its ability to meet current debt payments when due. A ratio of 1 indicates that the company has balanced exactly 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 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. It measures the efficiency of the company in using its available resources.

Rate of Return on Total Equity (ROE): Refers to the ratio of pre-tax profit in the year to the average of total equity at the beginning and at the end of the year. It measures the company's profitability, i.e. the rate of return that it has 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 and detailed tables on the aggregated balance sheets and financial ratios of the corporate sector.

9.1 TOTAL EQUITY BY INDUSTRY

(End of Period)

Billion Dollars

Industry	2010	2011	2012	2013	2014	2015	2016
Total	1,366.4	1,340.4	1,541.0	1,845.1	2,227.6	2,472.8	2,599.0
Financial & Insurance	777.8	705.0	856.3	1,079.5	1,322.9	1,428.3	1,519.1
Non-Financial & Insurance	588.6	635.4	684.7	765.6	904.6	1,044.5	1,079.8
Manufacturing	148.2	158.4	146.5	168.1	165.6	199.6	199.9
Construction	8.6	8.9	9.3	10.7	12.2	11.5	12.0
Wholesale & Retail Trade	129.9	159.3	186.0	200.9	264.0	308.4	333.4
Accommodation & Food Services	8.2	8.2	10.1	10.6	12.5	13.3	13.8
Transport & Storage	75.6	69.6	75.5	87.3	88.3	90.1	85.1
Information & Communications	24.8	19.5	27.2	32.9	39.7	45.0	45.1
Real Estate	116.4	124.2	135.4	146.8	178.6	189.0	192.9
Business Services Excluding Real Estate	50.8	57.7	64.2	73.6	105.6	148.2	155.6
Others	26.0	29.6	30.3	34.6	38.1	39.3	42.1

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13511

9.2 TOTAL ASSETS BY INDUSTRY

(End of Period)

Billion Dollars

Industry	2010	2011	2012	2013	2014	2015	2016
Total	4,644.2	4,888.2	5,305.6	5,993.6	6,727.2	7,219.6	7,505.2
Financial & Insurance	3,173.2	3,304.6	3,605.6	4,097.9	4,614.7	4,926.9	5,107.4
Non-Financial & Insurance	1,471.0	1,583.6	1,700.0	1,895.7	2,112.5	2,292.7	2,397.8
Manufacturing	292.4	299.7	286.3	305.9	306.6	340.5	356.9
Construction	32.6	33.0	34.1	36.1	34.6	36.6	37.9
Wholesale & Retail Trade	434.4	498.9	577.7	668.8	712.0	756.4	840.8
Accommodation & Food Services	17.3	18.7	20.2	21.5	25.4	27.8	29.3
Transport & Storage	169.4	172.6	182.8	201.9	242.1	255.2	245.0
Information & Communications	65.3	62.1	68.8	74.4	86.2	97.3	103.3
Real Estate	264.9	275.0	293.0	315.5	386.7	404.9	398.8
Business Services Excluding Real Estate	118.0	136.7	137.5	168.2	216.6	268.4	277.4
Others	76.7	86.9	99.6	103.3	102.3	105.7	108.5

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9.3 RETURNS ON EQUITY BY INDUSTRY

(End of Period)

Per Cent

Industry	2010	2011	2012	2013	2014	2015	2016
Total	14.3	13.3	14.5	11.8	11.5	9.3	9.9
Financial & Insurance	9.5	8.9	10.8	8.7	8.8	6.2	8.6
Non-Financial & Insurance	20.5	18.6	18.8	16.0	15.4	13.6	11.7
Manufacturing	23.1	20.6	25.0	19.8	24.4	20.1	22.8
Construction	36.5	35.3	25.3	16.0	12.2	10.0	7.6
Wholesale & Retail Trade	24.4	23.9	21.7	20.3	17.5	15.7	13.5
Accommodation & Food Services	12.5	17.0	11.6	11.0	16.3	10.1	8.0
Transport & Storage	5.0	4.4	5.0	5.8	6.4	9.6	-0.2
Information & Communications	42.7	32.9	47.6	17.4	18.1	12.8	4.4
Real Estate	20.0	17.6	15.2	15.1	12.3	9.3	7.6
Business Services Excluding Real Estate	17.2	12.2	9.6	9.8	7.2	9.4	8.4
Others	18.1	18.5	15.4	14.9	15.6	15.0	11.3

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)

Per Cent

Industry	2010	2011	2012	2013	2014	2015	2016
Total	4.8	4.3	4.6	4.0	4.2	3.7	4.0
Financial & Insurance	3.0	2.6	3.0	2.7	2.9	2.3	3.1
Non-Financial & Insurance	8.8	8.0	8.0	7.0	7.0	6.6	5.9
Manufacturing	12.1	11.0	13.3	10.8	13.6	11.6	13.4
Construction	10.6	9.8	7.2	4.9	4.3	3.7	2.8
Wholesale & Retail Trade	7.8	7.8	7.4	6.9	6.5	6.7	5.9
Accommodation & Food Services	6.8	8.3	6.0	5.9	8.6	5.5	4.5
Transport & Storage	2.9	2.4	2.6	3.2	3.2	4.2	0.7
Information & Communications	17.5	12.1	17.7	7.9	8.7	6.5	2.5
Real Estate	9.3	8.5	7.6	7.7	6.2	4.9	4.2
Business Services Excluding Real Estate	8.0	5.6	4.7	4.8	3.9	5.4	5.2
Others	7.4	7.0	6.0	5.5	6.5	6.7	5.6

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)

Ratio

Industry	2010	2011	2012	2013	2014	2015	2016
Total	0.29	0.27	0.29	0.31	0.33	0.34	0.35
Financial & Insurance	0.25	0.21	0.24	0.26	0.29	0.29	0.30
Non-Financial & Insurance	0.40	0.40	0.40	0.40	0.43	0.46	0.45
Manufacturing	0.51	0.53	0.51	0.55	0.54	0.59	0.56
Construction	0.26	0.27	0.27	0.30	0.35	0.31	0.32
Wholesale & Retail Trade	0.30	0.32	0.32	0.30	0.37	0.41	0.40
Accommodation & Food Services	0.47	0.44	0.50	0.49	0.49	0.48	0.47
Transport & Storage	0.45	0.40	0.41	0.43	0.36	0.35	0.35
Information & Communications	0.38	0.31	0.40	0.44	0.46	0.46	0.44
Real Estate	0.44	0.45	0.46	0.47	0.46	0.47	0.48
Business Services Excluding Real Estate	0.43	0.42	0.47	0.44	0.49	0.55	0.56
Others	0.34	0.34	0.30	0.33	0.37	0.37	0.39

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13526

9.6 CURRENT RATIOS OF COMPANIES BY INDUSTRY

(End of Period)

Ratio

Industry	2010	2011	2012	2013	2014	2015	2016
Total	1.09	1.04	1.06	1.06	1.14	1.13	1.13
Financial & Insurance	1.01	0.96	0.98	0.98	1.09	1.07	1.07
Non-Financial & Insurance	1.31	1.28	1.29	1.29	1.31	1.31	1.32
Manufacturing	1.75	1.68	1.66	1.85	1.69	1.89	1.75
Construction	1.15	1.15	1.18	1.21	1.33	1.26	1.24
Wholesale & Retail Trade	1.26	1.26	1.27	1.24	1.30	1.30	1.31
Accommodation & Food Services	0.94	0.65	0.86	0.95	1.00	0.97	0.88
Transport & Storage	1.08	0.99	1.05	1.07	0.88	0.76	0.81
Information & Communications	1.03	1.02	0.96	1.06	1.07	1.15	1.03
Real Estate	1.21	1.36	1.69	1.51	1.63	1.41	1.44
Business Services Excluding Real Estate	1.26	1.20	1.17	1.14	1.20	1.37	1.42
Others	1.33	1.16	0.88	0.98	1.10	1.16	1.20

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13539

10

Formation and Cessation of Business Entities

10 Formation and Cessation of Business Entities

Coverage and Sources of Data

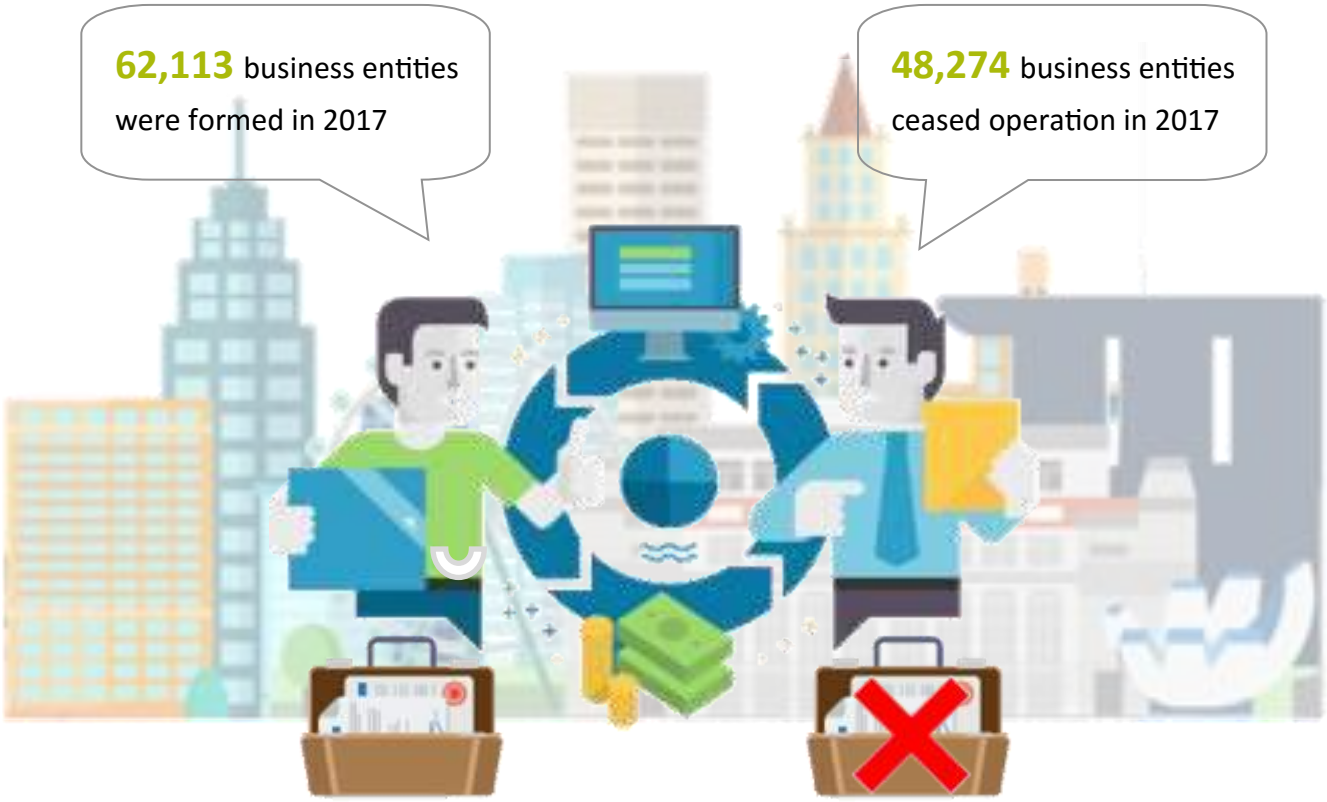
Data on business entities are primarily sourced from the registration records of the Accounting and Corporate Regulatory Authority (ACRA).

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 operations. Examples of cessation status include ceased registration, struck off, amalgamated, cancelled and dissolved.



10.1 FORMATION OF ALL BUSINESS ENTITIES BY TYPE

Number

	2011	2012	2013	2014	2015	2016	2017
Total	55,776	56,749	60,201	77,380	64,903	64,933	62,113
Companies	29,987	31,741	34,976	38,484	34,241	35,225	37,394
Sole-proprietorships & Partnerships	23,409	22,727	22,835	35,676	28,479	27,120	22,148
Limited Liability Partnerships	2,321	2,211	2,312	3,104	2,100	2,431	2,373
Limited Partnerships	38	53	56	98	66	142	189
Public Accounting Firms	21	17	22	18	17	15	9

Source : Accounting and Corporate Regulatory Authority (ACRA)

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14764

10.2 CESSATION OF ALL BUSINESS ENTITIES BY TYPE

Number

	2011	2012	2013	2014	2015	2016	2017
Total	43,220	42,428	41,783	42,651	52,152	60,737	48,274
Companies	19,261	18,952	18,142	19,306	21,477	23,206	22,375
Sole-proprietorships & Partnerships	22,948	22,413	22,578	22,138	29,363	35,823	24,108
Limited Liability Partnerships	957	1,014	1,011	1,150	1,240	1,612	1,733
Limited Partnerships	30	33	32	39	53	71	37
Public Accounting Firms	24	16	20	18	19	25	21

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 and 2017, 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.

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10.3 FORMATION OF ALL BUSINESS ENTITIES BY INDUSTRY

Number

	2011	2012	2013	2014	2015	2016	2017
Total	55,776	56,749	60,201	77,380	64,903	64,933	62,113
Manufacturing	2,383	2,214	2,389	2,666	2,247	2,079	2,013
Construction	3,387	3,305	3,438	3,603	3,268	3,031	2,848
Wholesale Trade	10,234	10,192	10,472	12,868	9,695	9,388	9,786
Retail Trade	5,658	6,047	6,571	12,037	6,529	5,827	5,418
Transportation & Storage	2,268	2,280	2,486	3,381	8,673	11,472	7,739
Accommodation	115	130	120	91	91	83	95
Food & Beverage Service Activities	2,878	2,905	2,879	3,367	3,034	2,968	3,298
Information & Communications	3,837	4,097	4,968	7,095	5,342	5,209	5,425
Financial & Insurance Activities	5,224	5,331	5,309	4,923	4,749	4,526	5,015
Real Estate Activities	1,050	1,019	934	665	633	598	747
Professional, Scientific & Technical Activities	8,669	9,007	9,902	12,443	9,862	9,347	9,719
Administrative & Support Service Activities	3,229	3,154	3,274	4,399	3,243	3,146	2,828
Education, Health & Social Services	3,102	3,318	3,716	4,564	3,678	3,325	3,504
Arts, Entertainment, Recreation & Other Service Activities	3,325	3,377	3,406	4,870	3,500	3,479	3,324
Others	417	373	337	408	359	455	354

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=14759

10.4 CESSATION OF ALL BUSINESS ENTITIES BY INDUSTRY

Number

	2011	2012	2013	2014	2015	2016	2017
Total	43,220	42,428	41,783	42,651	52,152	60,737	48,274
Manufacturing	2,098	1,990	1,872	1,807	2,099	2,325	1,762
Construction	2,585	2,464	2,462	2,429	2,590	2,648	2,277
Wholesale Trade	9,482	8,942	8,560	8,468	9,862	10,767	8,010
Retail Trade	4,625	4,804	4,918	5,224	7,920	8,633	5,147
Transportation & Storage	1,850	1,771	1,848	1,787	2,345	5,521	7,104
Accommodation	90	60	83	78	48	83	66
Food & Beverage Service Activities	2,639	2,472	2,360	2,300	2,515	2,774	2,116
Information & Communications	2,662	2,722	2,621	3,000	3,859	4,642	3,528
Financial & Insurance Activities	2,509	2,681	2,692	2,836	3,038	3,316	3,036
Real Estate Activities	1,024	806	712	791	765	764	652
Professional, Scientific & Technical Activities	5,765	5,839	5,780	6,072	7,671	8,827	6,845
Administrative & Support Service Activities	2,624	2,527	2,514	2,474	2,993	3,185	2,292
Education, Health & Social Services	1,866	1,951	2,097	2,177	2,615	3,098	2,345
Arts, Entertainment, Recreation & Other Service Activities	3,175	3,180	3,028	2,966	3,553	3,840	2,820
Others	226	219	236	242	279	314	274

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 and 2017, 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=14999

10.5 FORMATION OF COMPANIES BY INDUSTRY

Number

	2011	2012	2013	2014	2015	2016	2017
Total	29,987	31,741	34,976	38,484	34,241	35,225	37,394
Manufacturing	1,323	1,297	1,432	1,449	1,373	1,277	1,252
Construction	1,792	1,879	2,069	2,205	2,074	1,977	1,833
Wholesale Trade	6,414	6,632	7,000	7,640	6,613	6,778	7,244
Retail Trade	1,375	1,651	1,918	2,662	2,057	2,184	2,177
Transportation & Storage	1,147	1,187	1,400	1,433	1,316	1,276	1,396
Accommodation	65	81	81	57	61	57	60
Food & Beverage Service Activities	1,362	1,491	1,523	1,660	1,605	1,760	1,967
Information & Communications	2,250	2,529	3,153	4,086	3,608	3,901	4,193
Financial & Insurance Activities	4,671	4,883	4,869	4,484	4,418	4,265	4,719
Real Estate Activities	828	808	741	497	470	502	653
Professional, Scientific & Technical Activities	4,673	5,067	6,025	6,686	5,759	6,070	6,596
Administrative & Support Service Activities	1,539	1,559	1,758	1,906	1,665	1,773	1,673
Education, Health & Social Services	1,374	1,514	1,719	2,062	1,812	1,764	2,003
Arts, Entertainment, Recreation & Other Service Activities	864	901	1,053	1,396	1,181	1,326	1,346
Others	310	262	235	261	229	315	282

Source : Accounting and Corporate Regulatory Authority (ACRA)

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

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10.6 CESSATION OF COMPANIES BY INDUSTRY

Number

	2011	2012	2013	2014	2015	2016	2017
Total	19,261	18,952	18,142	19,306	21,477	23,206	22,375
Manufacturing	1,020	919	839	842	908	952	880
Construction	1,095	940	942	956	965	1,028	1,030
Wholesale Trade	5,404	5,016	4,666	4,808	5,254	5,590	5,023
Retail Trade	902	931	924	1,011	1,217	1,465	1,407
Transportation & Storage	836	821	776	767	810	896	931
Accommodation	51	32	48	39	22	40	30
Food & Beverage Service Activities	936	908	894	942	1,017	1,019	1,038
Information & Communications	1,358	1,454	1,279	1,475	1,860	2,186	2,185
Financial & Insurance Activities	2,117	2,263	2,325	2,499	2,664	2,900	2,792
Real Estate Activities	540	491	471	543	516	526	482
Professional, Scientific & Technical Activities	2,564	2,607	2,546	2,742	3,347	3,669	3,689
Administrative & Support Service Activities	1,007	1,029	930	1,012	1,118	1,119	1,026
Education, Health & Social Services	539	622	663	722	828	891	966
Arts, Entertainment, Recreation & Other Service Activities	757	800	697	802	774	742	720
Others	135	119	142	146	177	183	176

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 and 2017, 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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10.7 FORMATION OF SOLE-PROPRIETORSHIPS & PARTNERSHIPS BY INDUSTRY

Number

	2011	2012	2013	2014	2015	2016	2017
Total	23,409	22,727	22,835	35,676	28,479	27,120	22,148
Manufacturing	997	856	896	1,133	814	731	690
Construction	1,520	1,358	1,306	1,344	1,136	987	933
Wholesale Trade	3,512	3,258	3,150	4,866	2,846	2,291	2,227
Retail Trade	3,926	4,029	4,296	8,774	4,157	3,258	2,858
Transportation & Storage	1,077	1,045	1,032	1,853	7,279	10,102	6,235
Accommodation	43	44	32	31	24	20	31
Food & Beverage Service Activities	1,369	1,285	1,221	1,551	1,307	1,026	1,138
Information & Communications	1,325	1,338	1,560	2,696	1,519	1,065	1,029
Financial & Insurance Activities	441	353	304	332	258	169	203
Real Estate Activities	192	156	146	131	110	73	75
Professional, Scientific & Technical Activities	3,555	3,528	3,455	5,182	3,674	2,805	2,648
Administrative & Support Service Activities	1,540	1,442	1,362	2,215	1,425	1,196	997
Education, Health & Social Services	1,517	1,610	1,768	2,174	1,649	1,308	1,253
Arts, Entertainment, Recreation & Other Service Activities	2,302	2,323	2,212	3,256	2,159	1,967	1,764
Others	93	102	95	138	122	122	67

Source : Accounting and Corporate Regulatory Authority (ACRA)

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

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10.8 CESSATION OF SOLE-PROPRIETORSHIPS & PARTNERSHIPS BY INDUSTRY

Number

	2011	2012	2013	2014	2015	2016	2017
Total	22,948	22,413	22,578	22,138	29,363	35,823	24,108
Manufacturing	1,052	1,042	1,009	941	1,153	1,326	838
Construction	1,462	1,498	1,475	1,453	1,595	1,569	1,212
Wholesale Trade	3,911	3,751	3,736	3,499	4,434	4,954	2,765
Retail Trade	3,591	3,707	3,839	4,039	6,486	6,885	3,448
Transportation & Storage	989	930	1,053	1,001	1,502	4,578	6,137
Accommodation	31	28	30	35	25	38	30
Food & Beverage Service Activities	1,632	1,476	1,389	1,275	1,416	1,680	970
Information & Communications	1,219	1,166	1,220	1,380	1,867	2,260	1,150
Financial & Insurance Activities	363	378	338	281	319	354	188
Real Estate Activities	471	307	228	229	231	218	142
Professional, Scientific & Technical Activities	3,014	3,062	3,054	3,123	4,082	4,844	2,821
Administrative & Support Service Activities	1,547	1,413	1,517	1,371	1,780	1,921	1,140
Education, Health & Social Services	1,239	1,253	1,344	1,340	1,692	2,080	1,195
Arts, Entertainment, Recreation & Other Service Activities	2,342	2,311	2,255	2,080	2,683	2,989	1,983
Others	85	91	91	91	98	127	89

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 and 2017, 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

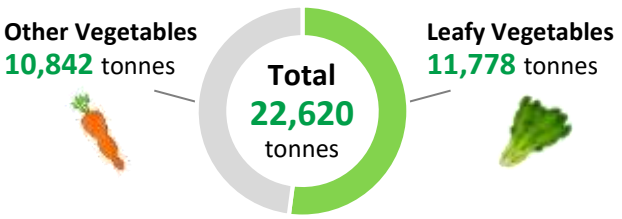
General

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 about 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, 2017



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.

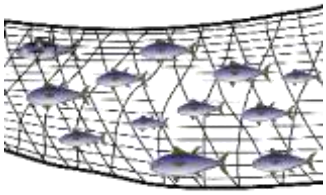
Local Orchid Production, 2017

5
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, 2017



5,916
tonnes

The Jurong Fishery Port (JFP) is a major seafood landing and distribution point in Singapore. JFP handled about 43,800 tonnes of seafood in 2017, 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 5,500 tonnes of seafood in 2017. There are 145 seafood processing establishments licensed to manufacture fishery products in Singapore. Three processing establishments and one cold store are approved to export seafood products to the EU countries.

There are 114 floating fish farms covering 100.5 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	2011	2012	2013	2014	2015	2016	2017
Seafood [1]	Tonnes	5,599	5,547	6,775	6,379	7,699	6,822	6,498
Fish	Tonnes	5,094	5,127	5,864	5,639	6,540	6,086	5,916
Other Seafood (crustaceans and molluscus)	Tonnes	505	420	911	740	1,159	736	582
Local Landings of Seafood	Tonnes	1,618	1,970	1,644	1,434	1,268	1,235	1,108
Vegetables	Tonnes	20,355	21,405	21,785	22,720	23,039	22,458	22,620
Leafy Vegetables	Tonnes	9,436	10,227	10,308	10,848	11,420	11,335	11,778
Other Vegetables	Tonnes	10,919	11,178	11,476	11,872	11,619	11,123	10,842
Hen Eggs	Million Pieces	384	402	438	433	421	452	521
Aquarium Fish	Million Pieces	110	106	114	109	77	77	73
Orchids	Million Stalks	11	10	9	10	8	6	5
Ornamental Plants [2]	Million Plants	41	38	12	22	21	17	16

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=14610

11.2 LIVESTOCK SLAUGHTERED

Thousand

	2011	2012	2013	2014	2015	2016	2017
Poultry	52,140	51,995	53,048	52,238	53,610	54,309	53,500
Chickens	46,193	46,099	47,036	46,154	48,008	48,820	48,323
Ducks	5,947	5,896	6,012	6,084	5,601	5,489	5,177
Pigs	312	324	330	336	334	333	323

Source : Agri-Food & Veterinary Authority

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15259

11.3 SEAFOOD SUPPLY AND WHOLESALE

Tonnes

	2011	2012	2013	2014	2015	2016	2017
Seafood Supply							
Local Production [1]	5,599	5,547	6,775	6,379	7,699	6,822	6,498
Imports [2]	129,073	123,982	122,814	119,858	121,577	116,863	116,351
Exports [2]	31,390	28,830	25,364	16,593	22,827	19,458	17,544
Seafood Wholesale [3]	62,635	61,405	59,094	54,000	49,436	47,092	45,412

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

Notes : Seafood refers to fish, crustaceans and molluscs.
Data on imports and exports of seafood are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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=15263

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.

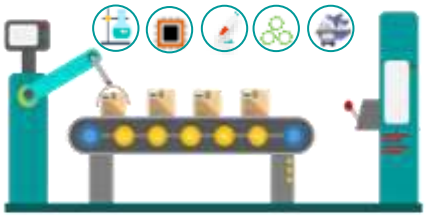
Workers: Refer to all persons engaged in the industrial activity of the establishment, that is, all employees, the self-employed and their relatives. Data generally refer to employment as at 30 June, except where establishments commence operation after June.

371,900 Persons Employed in the Manufacturing sector in 2017

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 2017 was

S$321.1 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 2017 amounted to

S$75.0 billion

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

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

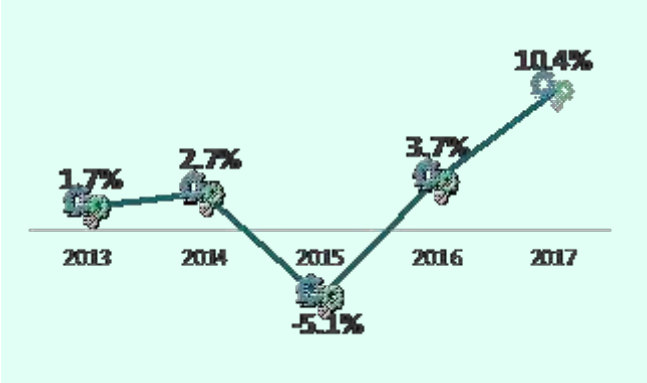
Gross Value of Fixed Assets: Refers to the accumulated cost of acquiring the fixed assets.

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.

Annual Growth in Index of Industrial Production



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.

Unit Business Cost Index

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).

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 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	2011	2012	2013	2014	2015	2016	2017
Establishments	No.	9,008	9,577	9,303	9,106	8,778	8,988	na
Workers	No.	418,324	424,622	424,505	416,406	403,286	384,726	371,922
Materials	$m	169,379	168,685	163,561	167,343	145,057	129,440	154,450
Remuneration	$m	18,965	19,694	20,722	21,806	21,678	20,996	21,123
Other Operating Cost	$m	65,163	70,676	76,021	75,551	70,632	74,050	na
Manufacturing Output	$m	281,703	288,279	285,431	291,424	271,120	259,496	305,351
Total Output [1]	$m	295,529	301,551	299,624	306,642	284,691	273,533	321,078
Value Added	$m	60,986	62,189	60,042	63,748	69,001	70,044	74,965
Net Operating Surplus	$m	34,758	34,475	31,486	33,800	38,213	39,365	na
Direct Exports	$m	190,093	192,261	189,935	189,639	183,295	178,613	na
Net Fixed Assets	$m	57,773	58,930	64,107	67,987	66,538	68,633	na
Gross Fixed Assets	$m	132,025	140,440	150,830	164,168	172,563	179,132	na

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
Year 2017 data are preliminary estimates.
The values of fixed assets are at end of year.

1 Refers to manufacturing output and other operating income.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12453

12.2 SELECTED AVERAGES AND RATIOS IN THE MANUFACTURING SECTOR

	Unit	2011	2012	2013	2014	2015	2016	2017
Remuneration Per Worker	$'000	45.3	46.4	48.8	52.4	53.8	54.6	56.8
Manufacturing Output Per Worker	$'000	673.4	678.9	672.4	699.9	672.3	674.5	821.0
Value Added Per Worker	$'000	145.8	146.5	141.4	153.1	171.1	182.1	201.6
Net Fixed Assets Per Worker	$'000	138.1	138.8	151.0	163.3	165.0	178.4	na
Remuneration to Total Output	%	6.4	6.5	6.9	7.1	7.6	7.7	6.6
Remuneration to Value Added	%	31.1	31.7	34.5	34.2	31.4	30.0	28.2
Value Added to Total Output	%	20.6	20.6	20.0	20.8	24.2	25.6	23.3
Direct Exports to Manufacturing Output	%	67.5	66.7	66.5	65.1	67.6	68.8	na
Direct Exports to Total Sales	%	67.1	67.0	66.4	65.0	67.4	68.9	na

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
Year 2017 data are preliminary estimates.
The values of fixed assets are at end of year.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14567

12.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY

Number

Code	Industry	2010	2011	2012	2013	2014	2015	2016
10/11/12	Food, Beverages & Tobacco	838	819	864	848	865	847	948
13	Textiles	94	93	99	99	90	89	100
14	Wearing Apparel	461	446	446	412	384	362	394
15	Leather, Leather Products & Footwear	25	25	27	23	20	18	15
16	Wood & Wood Products	116	111	145	147	143	135	147
17	Paper & Paper Products	109	100	105	101	99	91	88
18	Printing & Reproduction of Recorded Media	836	815	952	927	911	882	874
19	Refined Petroleum Products	14	14	14	14	16	17	17
20	Chemicals & Chemical Products	272	278	298	284	273	264	282
21	Pharmaceuticals & Biological Products	43	44	50	49	50	51	53
22	Rubber & Plastic Products	344	341	327	305	298	283	279
23	Non-metallic Mineral Products	143	146	145	141	134	131	130
24	Basic Metals	30	30	34	33	36	36	36
25	Fabricated Metal Products	1,271	1,273	1,357	1,323	1,291	1,252	1,246
26	Computer, Electronic & Optical Products	296	290	326	327	317	313	322
27	Electrical Equipment	247	248	258	261	247	230	235
28	Machinery & Equipment	1,736	1,699	1,768	1,724	1,684	1,623	1,659
29	Motor Vehicles, Trailers & Semi-Trailers	77	73	75	70	65	65	67
30	Other Transport Equipment	1,022	1,006	1,112	1,073	1,058	1,002	981
31	Furniture	620	653	655	638	624	608	604
32	Other Manufacturing Industries	496	504	520	504	501	479	511
	Total Manufacturing	9,090	9,008	9,577	9,303	9,106	8,778	8,988

Source : Economic Development Board

Notes : Data include all manufacturing establisments
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=12406

12.4 MANUFACTURING OUTPUT IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	9,087.9	9,327.9	9,268.7	9,607.4	9,964.1	9,474.1	10,147.0
13	Textiles	62.9	56.9	59.0	47.8	49.4	55.6	52.0
14	Wearing Apparel	592.9	539.1	443.1	313.5	220.7	191.1	201.8
15	Leather, Leather Products & Footwear	136.0	152.7	164.4	157.0	164.9	147.8	130.2
16	Wood & Wood Products	217.6	295.5	305.0	317.2	295.1	297.8	314.6
17	Paper & Paper Products	1,052.7	1,013.4	1,060.3	1,074.5	1,053.4	1,020.6	970.1
18	Printing & Reproduction of Recorded Media	2,569.7	2,395.2	2,276.4	2,295.8	2,154.3	1,863.0	1,704.5
19	Refined Petroleum Products	55,625.4	56,882.4	50,505.6	45,549.2	32,233.9	26,793.8	35,331.3
20	Chemicals & Chemical Products	40,569.4	39,633.5	47,422.5	53,176.2	42,821.6	39,109.6	44,253.7
21	Pharmaceuticals & Biological Products	20,729.1	23,288.1	16,066.1	15,821.1	15,984.2	16,839.9	15,981.0
22	Rubber & Plastic Products	1,991.8	1,901.1	1,847.2	1,825.9	1,699.7	1,699.2	1,752.8
23	Non-metallic Mineral Products	2,032.1	2,355.3	2,485.4	2,045.7	1,970.2	1,636.7	1,404.8
24	Basic Metals	1,310.0	1,230.8	1,025.6	1,372.3	1,138.4	1,091.9	1,085.0
25	Fabricated Metal Products	9,150.8	9,511.6	9,325.8	9,357.5	8,624.3	8,032.4	7,882.9
26	Computer, Electronic & Optical Products	89,542.0	86,922.5	88,991.3	84,381.2	94,455.9	96,332.5	124,850.8
27	Electrical Equipment	2,313.0	2,438.3	2,436.0	2,600.9	2,573.3	2,761.2	2,837.7
28	Machinery & Equipment	23,562.4	26,446.3	26,847.7	30,920.6	27,243.7	22,458.3	25,868.6
29	Motor Vehicles, Trailers & Semi-Trailers	753.9	786.8	996.1	1,053.6	1,158.7	1,219.5	1,444.5
30	Other Transport Equipment	14,515.6	16,206.7	16,548.1	16,484.2	15,534.0	15,741.5	15,626.0
31	Furniture	838.8	885.5	960.7	897.5	876.8	811.5	627.4
32	Other Manufacturing Industries	5,049.3	6,009.7	6,396.4	12,124.3	10,903.6	11,917.9	12,884.7
	Total Manufacturing	281,703.3	288,279.2	285,431.3	291,423.6	271,120.1	259,495.9	305,351.4

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2017 data are preliminary estimates.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12415

12.5 TOTAL OUTPUT [1] IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	9,626.8	9,817.9	9,811.0	10,352.0	10,598.5	10,149.9	10,809.6
13	Textiles	65.9	59.4	61.6	50.4	53.5	59.0	55.3
14	Wearing Apparel	629.7	573.9	478.1	353.7	259.1	226.9	239.1
15	Leather, Leather Products & Footwear	137.6	157.9	171.1	159.2	167.1	149.9	132.4
16	Wood & Wood Products	248.3	339.1	349.4	367.4	348.9	349.2	362.4
17	Paper & Paper Products	1,085.2	1,041.5	1,103.8	1,143.1	1,123.8	1,086.1	1,027.7
18	Printing & Reproduction of Recorded Media	2,677.4	2,467.4	2,352.4	2,376.6	2,251.2	1,945.6	1,772.3
19	Refined Petroleum Products	55,968.7	57,229.4	51,027.0	46,359.5	32,482.8	26,987.2	35,579.0
20	Chemicals & Chemical Products	42,723.8	41,121.1	50,019.7	55,340.4	44,916.5	41,209.9	46,644.2
21	Pharmaceuticals & Biological Products	21,618.9	25,121.1	16,920.2	16,891.3	16,721.2	17,744.8	16,899.2
22	Rubber & Plastic Products	2,189.0	2,061.8	2,020.2	2,011.2	1,857.1	1,854.9	1,904.6
23	Non-metallic Mineral Products	2,138.7	2,500.9	2,630.6	2,168.2	2,121.4	1,741.0	1,458.5
24	Basic Metals	1,329.8	1,255.2	1,044.9	1,387.4	1,161.5	1,108.4	1,095.5
25	Fabricated Metal Products	9,468.1	9,822.9	9,639.6	9,653.7	8,920.4	8,307.3	8,145.4
26	Computer, Electronic & Optical Products	95,066.6	91,861.8	93,938.2	89,463.6	98,625.4	99,797.9	129,080.9
27	Electrical Equipment	2,515.5	2,661.5	2,666.4	2,768.5	2,712.9	2,895.3	2,988.1
28	Machinery & Equipment	25,553.5	28,403.5	28,987.1	33,905.2	30,561.1	27,020.9	31,046.0
29	Motor Vehicles, Trailers & Semi-Trailers	780.8	808.6	1,021.7	1,089.2	1,178.6	1,237.8	1,464.5
30	Other Transport Equipment	15,495.7	17,135.8	17,557.3	17,554.6	16,637.2	16,724.1	16,559.7
31	Furniture	1,092.2	1,010.6	1,300.5	968.9	917.4	856.6	679.0
32	Other Manufacturing Industries	5,117.0	6,099.4	6,522.9	12,277.8	11,075.6	12,080.5	13,134.4
	Total Manufacturing	295,529.0	301,550.7	299,623.8	306,641.8	284,691.2	273,533.2	321,078.0

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2017 data are preliminary estimates.

1 Refers to manufacturing output and other operating income.

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	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	2,657.4	2,946.0	2,877.5	3,413.6	3,763.0	3,780.2	4,316.4
13	Textiles	19.4	21.6	21.4	17.7	21.1	23.3	22.1
14	Wearing Apparel	126.7	124.7	109.8	93.3	91.8	80.7	81.4
15	Leather, Leather Products & Footwear	46.6	57.0	70.3	64.1	62.5	58.7	48.0
16	Wood & Wood Products	84.5	120.9	123.5	132.8	130.2	132.9	142.6
17	Paper & Paper Products	239.4	219.2	242.0	251.7	238.6	232.1	211.2
18	Printing & Reproduction of Recorded Media	1,346.2	1,236.2	1,196.2	1,207.0	1,133.2	1,000.1	878.0
19	Refined Petroleum Products	285.1	725.9	57.1	32.6	2,412.0	2,034.3	2,031.6
20	Chemicals & Chemical Products	5,011.9	3,298.7	5,200.6	5,620.5	7,992.9	12,391.5	12,115.4
21	Pharmaceuticals & Biological Products	11,694.4	14,235.5	9,031.9	9,506.2	10,417.2	11,051.7	10,164.0
22	Rubber & Plastic Products	721.3	688.7	701.4	720.4	708.3	727.2	746.4
23	Non-metallic Mineral Products	550.6	584.3	539.2	434.1	391.2	354.0	254.8
24	Basic Metals	179.4	214.9	157.7	126.9	163.3	178.2	229.6
25	Fabricated Metal Products	2,773.1	2,763.3	2,799.3	2,776.0	2,665.0	2,582.8	2,512.7
26	Computer, Electronic & Optical Products	19,247.6	18,909.8	19,394.5	20,001.3	21,218.2	17,850.7	24,636.3
27	Electrical Equipment	612.1	756.1	826.5	806.5	813.8	855.2	855.9
28	Machinery & Equipment	7,057.5	6,688.9	7,296.5	8,623.1	7,226.8	6,571.9	5,014.4
29	Motor Vehicles, Trailers & Semi-Trailers	231.7	206.9	347.3	356.0	351.6	397.5	474.5
30	Other Transport Equipment	5,823.0	5,929.1	6,268.8	6,386.3	5,892.3	5,627.6	5,704.0
31	Furniture	377.7	347.4	476.1	343.5	311.9	323.2	281.4
32	Other Manufacturing Industries	1,900.6	2,113.9	2,304.6	2,834.1	2,996.7	3,790.0	4,244.5
	Total Manufacturing	60,986.1	62,189.1	60,041.8	63,747.6	69,001.5	70,043.6	74,965.0

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2017 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	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	27,868	28,950	29,350	30,105	30,550	29,627	29,884
13	Textiles	616	719	717	722	688	686	658
14	Wearing Apparel	3,616	3,188	2,950	2,203	2,106	1,985	1,992
15	Leather, Leather Products & Footwear	573	663	673	625	605	480	484
16	Wood & Wood Products	2,003	2,523	2,718	2,769	2,516	2,570	2,603
17	Paper & Paper Products	3,860	3,670	3,587	3,638	3,556	3,326	3,096
18	Printing & Reproduction of Recorded Media	16,618	15,821	15,440	15,740	15,388	13,831	13,064
19	Refined Petroleum Products	3,681	3,754	4,073	4,302	4,404	4,369	4,395
20	Chemicals & Chemical Products	17,511	17,510	18,607	18,536	18,217	18,101	18,153
21	Pharmaceuticals & Biological Products	4,757	5,142	5,339	6,096	6,624	6,943	7,356
22	Rubber & Plastic Products	12,986	12,350	11,751	11,249	10,494	9,859	9,935
23	Non-metallic Mineral Products	6,653	6,870	6,835	5,247	4,768	4,754	4,348
24	Basic Metals	2,525	2,631	2,642	2,618	2,644	2,199	1,989
25	Fabricated Metal Products	41,519	43,847	42,998	41,871	40,073	39,295	37,434
26	Computer, Electronic & Optical Products	92,710	91,398	87,062	82,494	81,637	79,660	82,573
27	Electrical Equipment	7,634	7,771	8,008	7,935	7,982	8,194	8,216
28	Machinery & Equipment	65,634	69,160	73,457	73,059	69,736	61,399	56,069
29	Motor Vehicles, Trailers & Semi-Trailers	2,791	2,799	2,786	2,876	2,848	2,865	2,936
30	Other Transport Equipment	81,562	82,281	80,055	78,803	73,330	68,426	60,261
31	Furniture	9,213	9,579	10,524	8,926	8,015	8,005	7,632
32	Other Manufacturing Industries	13,994	13,996	14,933	16,592	17,105	18,152	18,844
	Total Manufacturing	418,324	424,622	424,505	416,406	403,286	384,726	371,922

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2017 data are preliminary estimates.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12376

12.8 REMUNERATION IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	956.1	993.1	1,066.2	1,146.0	1,208.1	1,189.6	1,202.3
13	Textiles	13.3	16.6	15.9	19.9	16.5	15.8	15.4
14	Wearing Apparel	80.0	72.0	69.4	58.1	64.4	56.6	55.5
15	Leather, Leather Products & Footwear	21.4	25.4	29.7	27.8	28.1	24.7	25.7
16	Wood & Wood Products	52.2	75.9	79.7	81.5	80.6	83.5	87.3
17	Paper & Paper Products	156.2	155.6	159.0	167.1	167.0	160.8	143.6
18	Printing & Reproduction of Recorded Media	765.4	713.8	677.6	747.4	735.2	685.2	661.4
19	Refined Petroleum Products	576.3	579.6	580.8	800.3	866.4	752.2	737.7
20	Chemicals & Chemical Products	1,451.0	1,454.2	1,682.0	1,763.1	1,800.4	1,845.9	1,897.0
21	Pharmaceuticals & Biological Products	453.2	492.0	528.7	621.4	692.8	710.8	758.4
22	Rubber & Plastic Products	462.0	438.8	446.1	441.6	426.7	423.8	426.2
23	Non-metallic Mineral Products	226.6	236.5	245.4	195.4	184.8	173.2	150.1
24	Basic Metals	106.1	111.4	109.9	120.3	113.1	98.9	96.3
25	Fabricated Metal Products	1,498.1	1,564.4	1,625.9	1,640.7	1,581.9	1,575.8	1,532.0
26	Computer, Electronic & Optical Products	4,822.4	4,925.6	5,065.6	5,140.7	5,240.9	5,191.3	5,512.7
27	Electrical Equipment	355.8	379.0	400.9	414.3	408.7	426.9	435.5
28	Machinery & Equipment	3,105.9	3,341.5	3,628.0	3,986.5	3,842.0	3,308.4	3,247.2
29	Motor Vehicles, Trailers & Semi-Trailers	138.4	138.4	138.5	143.0	140.3	146.0	151.9
30	Other Transport Equipment	2,952.8	3,159.9	3,236.7	3,266.4	3,058.1	3,002.1	2,781.6
31	Furniture	238.8	247.2	306.2	252.2	220.6	233.6	218.7
32	Other Manufacturing Industries	533.4	573.2	629.3	772.5	801.2	890.4	986.8
	Total Manufacturing	18,965.5	19,694.2	20,721.7	21,805.9	21,678.0	20,995.5	21,123.3

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2017 data are preliminary estimates.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12399

12.9 INDEX OF INDUSTRIAL PRODUCTION

(2015 =100)

Code	Industry	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	94.7	97.9	97.9	99.4	100.0	103.7	110.4
13	Textiles	137.1	140.1	119.5	102.7	100.0	92.4	84.9
14	Wearing Apparel	429.3	395.4	334.1	212.6	100.0	83.4	88.2
15	Leather Products	111.1	109.5	122.0	106.5	100.0	88.8	79.0
16	Wood & of Products of Wood & Cork	95.9	93.3	103.0	107.2	100.0	95.0	92.9
17	Paper & Paper Products	101.1	98.5	104.4	104.5	100.0	97.3	96.2
18	Printing & Reproduction of Recorded Media	132.1	122.8	113.8	106.0	100.0	85.1	73.1
19	Refined Petroleum Products	107.7	107.1	100.7	92.2	100.0	104.2	113.5
20	Chemicals & Chemical Products	84.9	85.3	88.4	96.7	100.0	98.9	105.3
21	Pharmaceuticals & Biological Products	94.6	103.8	101.4	109.4	100.0	113.8	97.5
22	Rubber & Plastic Products	117.7	113.5	109.5	109.2	100.0	91.4	93.7
23	Non-metallic Mineral Products	110.4	108.8	107.4	90.8	100.0	89.8	72.8
24	Basic Metals	101.0	91.5	77.2	99.3	100.0	106.2	108.3
25	Fabricated Metal Products	102.1	107.3	107.5	107.8	100.0	93.8	91.3
26	Computer, Electronic & Optical Products	111.2	100.7	105.0	105.6	100.0	114.1	151.7
27	Electrical Equipment	80.6	80.1	87.4	97.9	100.0	101.5	111.7
28	Machinery & Equipment	95.3	107.3	109.1	118.2	100.0	80.8	86.1
29	Motor Vehicles, Trailers & Semi-Trailers	70.5	69.2	85.0	91.1	100.0	105.3	125.3
30	Other Transport Equipment	103.4	109.9	111.1	106.7	100.0	101.0	99.3
31	Furniture	123.5	131.0	127.9	113.5	100.0	94.9	68.0
32	Other Manufacturing Industries	68.2	73.0	79.5	84.8	100.0	110.4	121.3
	Total Manufacturing	100.6	101.0	102.7	105.4	100.0	103.7	114.5

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=13496

12.10 UNIT BUSINESS COST INDEX OF MANUFACTURING

(2010 = 100)

	2011	2012	2013	2014	2015	2016	2017
Unit Business Cost Index of Manufacturing	102.5	107.0	112.9	110.6	110.9	109.2	112.9
Unit Labour Cost	97.9	100.8	104.1	106.5	112.3	106.7	98.2
Unit Services Cost	104.0	109.1	115.9	111.9	110.3	110.0	118.1
Unit Non-Labour Production Taxes	125.4	116.7	127.7	136.8	133.1	127.0	114.2

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14419

13

Building, Real Estate, Construction and Housing

13 Building, Real Estate, Construction and Housing

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 approvals, 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, 2017

Private Residential Properties [1]

5,397

Gross Floor Area ('000 m^2)

Office Space
223

Retail Space
97

Factory Space
556

Warehouse Space
309

[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

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 J-SPACE, JTC's industrial property statistics portal.

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, such as commercial 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.

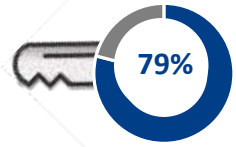
In 2017, 35,210 flats were completed, bringing the total number of flats built since HDB's inception to 1,164,446.

35,210 flats were constructed in 2017

Introduced in 1964, the Home Ownership for the People Scheme enables citizens to acquire homes through the purchase of HDB flats. In 2017, 27,708 flats were sold under this scheme.

27,708 flats were sold under the Home Ownership Scheme in 2017

In 2017, about 79 per cent of the resident population lived in Home Ownership flats.



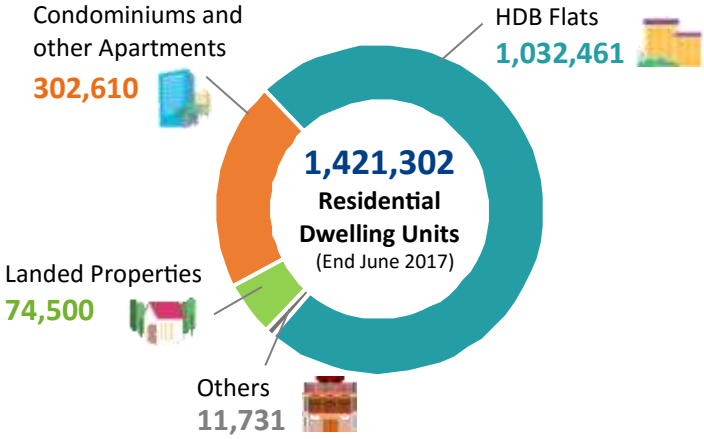
79% of the resident population lived in Home Ownership flats in 2017

Between 1989 and 2017, HDB sold 244 land parcels (308 hectares) for private residential development and 46 land parcels (51 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, 2017



13.1 AVAILABLE AND VACANT PRIVATE RESIDENTIAL PROPERTIES

(End of Period)

Number of Units

Type of Property	2011	2012	2013	2014	2015	2016	2017
All Types							
Available	268,768	277,620	289,370	308,814	327,448	348,080	364,295
Vacant	15,980	14,869	18,003	24,062	26,517	29,197	28,560
Landed							
Available	70,145	70,388	71,049	71,540	71,992	72,595	72,761
Vacant	2,394	2,285	2,439	2,406	2,553	3,008	3,190
Non-landed							
Available	198,623	207,232	218,321	237,274	255,456	275,485	291,534
Vacant	13,586	12,584	15,564	21,656	23,964	26,189	25,370

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=15152

13.2 SUPPLY OF PRIVATE RESIDENTIAL PROPERTIES IN THE PIPELINE BY DEVELOPMENT STATUS

(End of Period)

Number of Units

	2011	2012	2013	2014	2015	2016	2017
Landed Properties							
Total	3,807	3,860	3,477	2,909	2,292	1,352	1,234
Under Construction	1,949	2,316	1,922	1,832	1,480	1,075	901
Planned							
Written Permission	1,310	1,105	1,044	992	728	178	181
Provisional Permission	479	278	332	77	57	38	33
Others [1]	69	161	179	8	27	61	119
Non-Landed Properties							
Total	85,724	92,370	86,541	72,279	57,867	47,016	49,618
Under Construction	47,602	58,226	65,843	57,464	47,000	33,439	22,573
Planned							
Written Permission	15,097	13,755	9,070	6,047	2,930	3,546	3,560
Provisional Permission	10,652	10,795	5,491	2,548	3,443	2,637	8,781
Others [1]	12,373	9,594	6,137	6,220	4,494	7,394	14,704

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=15150

13.3 APPROVAL, CONSTRUCTION COMMENCEMENT AND COMPLETION OF PRIVATE RESIDENTIAL PROPERTIES

Number of Units

	2011	2012	2013	2014	2015	2016	2017
Provisional Permission	25,201	23,642	13,897	5,668	6,262	6,532	11,761
Written Permission	20,551	18,441	18,034	8,454	5,438	7,452	5,103
Building Plan Approval	21,100	19,702	19,593	9,275	7,073	7,132	4,072
Building Commencement	20,736	21,395	20,357	11,571	8,082	6,918	5,397
Building Completion	12,469	10,329	13,150	19,941	18,971	20,803	16,449

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=15171

13.4 AVAILABLE AND VACANT EXECUTIVE CONDOMINIUMS AND SUPPLY OF EXECUTIVE CONDOMINIUMS IN THE PIPELINE BY DEVELOPMENT STATUS

(End of Period)

Number of Units

	2011	2012	2013	2014	2015	2016	2017
Executive Condominiums							
Available	10,430	10,430	11,683	15,040	18,336	23,821	27,940
Vacant	83	42	1,107	1,734	1,540	3,364	3,080
Supply by Development Status							
Total	10,073	15,966	18,985	17,948	15,794	10,270	7,414
Under Construction	4,262	8,036	11,775	13,065	14,127	9,635	6,144
Planned							
Written Permission	1,796	1,747	0	0	0	0	0
Provisional Permission	0	418	2,265	1,155	0	0	0
Others [1]	4,015	5,765	4,945	3,728	1,667	635	1,270

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=15168

13.5 AVAILABLE AND VACANT COMMERCIAL AND INDUSTRIAL PROPERTIES

(End of Period)

Thousand Square Metres Nett

	2011	2012	2013	2014	2015	2016	2017
	Private Sector						
Office Space							
Available	6,008	6,014	6,190	6,283	6,276	6,464	6,672
Vacant	753	619	666	704	634	783	917
Retail Space [1]							
Available	4,014	4,061	4,182	4,348	4,409	4,502	4,533
Vacant	229	239	209	283	358	382	368
Factory Space							
Available	26,209	27,004	28,080	29,258	30,357	31,632	32,358
Vacant	1,984	2,069	2,425	2,905	3,093	3,524	3,604
Warehouse Space							
Available	7,069	7,328	7,643	8,317	8,789	9,418	10,381
Vacant	406	520	706	682	756	973	1,136
	Public Sector						
Office Space							
Available	1,223	1,256	1,251	1,270	1,283	1,266	1,252
Vacant	64	63	67	69	83	78	78
Retail Space [1]							
Available	1,523	1,518	1,516	1,566	1,562	1,544	1,542
Vacant	45	39	45	61	73	72	80
Factory Space							
Available	5,050	5,052	5,068	5,173	5,216	5,180	5,433
Vacant	140	154	197	322	331	374	593
Warehouse Space							
Available	47	47	93	95	97	52	52
Vacant	0	0	2	4	9	3	4

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=15146

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

(Private and Public Sectors)

(End of Period)

Thousand Square Metres Gross

	2011	2012	2013	2014	2015	2016	2017
Office Space							
Total	1,114	1,276	1,123	1,056	1,049	887	785
Under Construction	581	970	800	814	715	617	501
Planned							
Written Permission	282	149	171	54	125	90	44
Provisional Permission	39	41	32	40	153	79	52
Others [1]	212	116	120	148	56	101	188
Retail Space [2]							
Total	817	980	1,002	852	834	616	555
Under Construction	523	707	660	510	610	482	449
Planned							
Written Permission	158	113	95	191	56	81	23
Provisional Permission	46	75	198	84	142	32	37
Others [1]	90	85	49	67	26	21	46
Factory Space							
Total	4,274	5,147	5,153	4,630	4,248	3,250	3,071
Under Construction	2,688	3,400	3,264	3,074	3,052	2,381	1,992
Planned							
Written Permission	441	424	531	462	333	343	379
Provisional Permission	397	460	684	453	649	306	456
Others [1]	748	863	674	641	214	220	244
Warehouse Space							
Total	1,050	1,320	1,589	1,377	1,589	1,144	741
Under Construction	616	1,147	1,169	1,162	1,339	1,094	577
Planned							
Written Permission	30	30	34	20	57	16	32
Provisional Permission	404	12	371	195	189	32	130
Others [1]	0	131	15	0	4	2	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=15148

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

(Private and Public Sectors)

Thousand Square Metre Gross

	2011	2012	2013	2014	2015	2016	2017
Office Space							
Provisional Permission	209	447	124	111	192	79	149
Written Permission	367	130	475	123	91	150	107
Building Plan Approval	177	372	473	88	176	119	46
Building Commencement	254	578	80	186	11	154	223
Building Completion	305	218	228	225	93	240	315
Retail Space							
Provisional Permission	334	192	296	121	180	52	51
Written Permission	152	269	201	260	123	131	52
Building Plan Approval	154	198	280	171	142	144	18
Building Commencement	285	237	155	126	225	132	97
Building Completion	105	92	186	238	130	185	184
Factory Space							
Provisional Permission	1,425	1,320	1,512	1,194	972	517	570
Written Permission	1,558	1,214	1,643	1,621	1,238	967	692
Building Plan Approval [1]	1,319	1,291	1,585	1,458	1,115	581	416
Building Commencement	1,477	1,640	1,373	1,541	1,081	895	556
Building Completion	797	1,080	1,401	1,588	1,372	1,430	912
Warehouse Space							
Provisional Permission	576	431	616	567	631	178	367
Written Permission	359	585	685	738	555	768	369
Building Plan Approval [1]	353	642	679	527	814	819	285
Building Commencement	447	812	347	774	686	299	309
Building Completion	296	317	439	828	545	627	768

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=15157

13.8 CONTRACTS AWARDED BY SECTOR AND DEVELOPMENT TYPE

Million Dollars

Development Type	2011	2012	2013	2014	2015	2016	2017
	All Sectors						
Total	35,488	30,761	35,804	38,757	27,034	26,404	24,799
Building Work	28,747	25,951	28,863	28,854	21,560	17,430	15,453
Residential	15,298	11,846	15,963	11,291	7,770	6,479	6,250
Commercial	4,210	2,990	3,728	3,823	2,184	2,962	1,859
Industrial	6,221	6,418	5,490	6,628	5,779	3,676	4,177
Instituitional & Others	3,018	4,697	3,682	7,113	5,828	4,312	3,166
Civil Engineering Work	6,741	4,810	6,941	9,903	5,474	8,974	9,346
	Private Sector						
Total	20,208	21,237	20,915	19,537	13,781	11,011	8,964
Building Work	19,600	18,549	19,488	18,101	12,119	9,541	7,906
Residential	9,066	8,512	9,585	6,471	3,959	3,223	3,007
Commercial	4,159	2,888	3,663	3,703	1,886	2,863	1,733
Industrial	5,738	6,111	5,178	6,037	4,534	2,837	2,504
Instituitional & Others	638	1,039	1,062	1,890	1,741	617	661
Civil Engineering Work	608	2,688	1,427	1,436	1,662	1,470	1,058
	Public Sector						
Total	15,280	9,525	14,888	19,220	13,253	15,393	15,835
Building Work	9,146	7,402	9,374	10,753	9,441	7,889	7,547
Residential	6,232	3,334	6,378	4,819	3,811	3,256	3,243
Commercial	51	102	64	120	298	99	126
Industrial	483	308	312	591	1,245	839	1,673
Instituitional & Others	2,380	3,659	2,620	5,224	4,088	3,695	2,505
Civil Engineering Work	6,133	2,123	5,514	8,466	3,812	7,505	8,288

Source : Building and Construction Authority

Notes : Excludes reclamation works.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14792

13.9 PROGRESS PAYMENTS CERTIFIED BY SECTOR AND DEVELOPMENT TYPE

Development Type	2011	2012	2013	2014	2015	2016	2017
	All Sectors						
Total	28,861	31,639	33,682	35,892	36,402	35,178	27,911
Building Work	22,784	25,447	27,799	28,812	28,381	26,513	20,219
Residential	9,772	10,943	12,791	13,811	13,608	10,890	7,584
Commercial	3,608	3,294	3,221	3,047	3,278	3,373	2,879
Industrial	5,669	7,414	7,807	7,060	6,784	6,637	4,742
Instituitional & Others	3,735	3,797	3,980	4,894	4,712	5,613	5,014
Civil Engineering Work	6,078	6,192	5,883	7,080	8,021	8,665	7,692
	Private Sector						
Total	17,209	19,323	21,127	21,160	20,788	18,704	13,116
Building Work	16,489	18,430	20,097	19,689	19,083	17,162	11,864
Residential	6,610	7,178	8,309	8,671	8,285	6,578	4,501
Commercial	3,478	3,212	3,145	2,964	3,160	3,188	2,691
Industrial	4,930	6,750	7,293	6,612	6,216	5,699	3,693
Instituitional & Others	1,471	1,290	1,350	1,443	1,423	1,698	979
Civil Engineering Work	720	893	1,030	1,471	1,705	1,542	1,251
	Public Sector						
Total	11,653	12,316	12,555	14,732	15,615	16,474	14,796
Building Work	6,295	7,018	7,701	9,123	9,298	9,350	8,355
Residential	3,162	3,765	4,482	5,140	5,323	4,313	3,083
Commercial	130	82	76	84	119	184	188
Industrial	740	664	514	449	567	939	1,049
Instituitional & Others	2,264	2,507	2,630	3,451	3,290	3,915	4,035
Civil Engineering Work	5,358	5,299	4,854	5,609	6,316	7,123	6,441

Source : Building and Construction Authority

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14792

13.10 PROPERTIES UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Residential	914,102	922,493	933,278	959,960	984,908	1,010,613	1,043,968
1-room	24,207	25,186	25,384	25,450	26,247	27,817	30,098
2-room [1]	32,319	33,744	35,562	37,105	38,882	41,594	48,261
3-room	222,024	222,257	223,461	227,527	231,212	235,217	239,674
4-room	353,690	357,566	363,043	375,533	387,642	398,927	412,394
5-room [2]	213,096	214,710	216,209	222,345	227,774	233,608	239,460
Executive [3]	65,076	65,077	65,074	65,079	65,082	65,086	65,090
Studio Apartment	2,155	2,418	3,368	6,921	8,069	8,364	8,991
HUDC [4]	1,535	1,535	1,177	0	0	0	0
Commercial/Industrial Units	28,469	28,372	28,413	28,477	28,630	30,042	29,813

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.

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13.11 RESIDENTIAL UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

	Unit	2011	2012	2013	2014	2015	2016	2017
Flats Constructed	No.	17,813	19,005	12,744	27,120	26,108	26,025	35,210
Percentage of Population [1] Living in Public Flats [2]	%	82	83	82	82	82	82	82
Flats Sold Under 'Home Ownership Scheme' [3]	No.	15,008	13,098	12,594	25,183	23,445	21,851	27,708
Percentage of Home-Ownership Flats [4]	%	94	94	93	95	95	95	94
Percentage of Population [1] Living in Home-Ownership Flats [2]	%	79	80	80	79	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=14606

13.12 RESIDENTIAL UNITS UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD, 31 DECEMBER 2017

Number

Town [1]	Total	1-room	2-room [2]	3-room	4-room	5-room [3]	Executive [4]	Studio Apartments
Total	1,043,968	30,098	48,261	239,674	412,394	239,460	65,090	8,991
Ang Mo Kio	50,733	1,318	3,618	24,533	14,481	5,948	495	340
Bedok	61,640	2,530	2,206	22,673	20,793	10,498	2,715	225
Bishan	20,072	564	253	2,357	9,359	5,716	1,660	163
Bukit Batok	39,139	593	1,374	11,096	16,573	6,597	2,733	173
Bukit Merah	53,880	4,731	5,898	16,475	16,619	9,479	44	634
Bukit Panjang	35,325	223	552	3,678	16,699	10,425	3,381	367
Bukit Timah	2,555	0	46	441	920	682	380	86
Central Area	12,004	2,075	1,316	4,268	3,438	901	6	0
Choa Chu Kang	48,900	565	1,199	2,463	23,465	15,952	4,762	494
Clementi	26,728	474	770	12,407	9,249	3,207	621	0
Geylang	30,304	1,231	3,387	11,444	9,607	3,592	831	212
Hougang	54,329	532	1,085	10,610	26,074	11,079	4,310	639
Jurong East	23,897	352	428	7,006	8,188	5,925	1,871	127
Jurong West	74,301	813	2,224	12,390	29,495	22,213	6,507	659
Kallang/Whampoa	39,194	4,401	2,745	13,964	11,854	5,477	504	249
Marine Parade	7,862	0	1,350	3,037	1,798	1,677	0	0
Pasir Ris	29,654	176	333	491	11,641	9,379	7,460	174
Punggol	48,813	1,366	2,799	4,985	21,994	16,115	1,126	428
Queenstown	32,679	575	3,354	14,498	9,455	3,975	355	467
Sembawang	25,969	955	2,142	1,045	10,439	8,518	2,870	0
Sengkang	66,605	685	1,677	3,817	31,050	24,144	4,462	770
Serangoon	21,635	272	399	4,537	10,231	3,756	2,365	75
Tampines	68,812	1,361	1,141	13,390	29,038	17,413	5,846	623
Toa Payoh	37,900	1,168	3,785	15,455	10,220	6,017	854	401
Woodlands	68,252	2,100	2,334	6,960	29,410	20,362	6,191	895
Yishun	62,786	1,038	1,846	15,654	30,304	10,413	2,741	790

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=14552

13.13 TOTAL ALLOCATED, SUPPLY AND OCCUPANCY OF JTC CORPORATION HIGH-RISE SPACE, LAND-BASED FACTORY AND PREPARED INDUSTRIAL LAND

	Unit	2011	2012	2013	2014	2015	2016	2017
High-Rise Space [1]								
Gross Allocation	'000 sq m	26.3	15.7	14.1	17.9	52.2	32.0	55.0
Returns	'000 sq m	41.4	19.1	14.6	19.2	28.8	19.7	21.9
Total Allocated	'000 sq m	296.7	293.3	292.7	291.5	298.8	312.3	360.3
Supply	'000 sq m	322.7	322.7	322.6	362.0	394.1	443.6	660.1
Occupancy Rate	%	91.9	90.9	90.8	80.5	75.8	70.4	54.6
Land-Based Factory [2]								
Gross Allocation	'000 sq m	23.9	38.0	34.4	13.6	22.5	21.5	55.2
Returns	'000 sq m	33.9	40.1	47.4	29.7	42.3	41.4	60.7
Total Allocated	'000 sq m	2,380.9	2,377.5	2,362.0	2,344.3	2,324.5	2,304.6	2,298.9
Supply	'000 sq m	2,457.0	2,470.7	2,468.2	2,466.7	2,479.4	2,494.7	2,502.3
Occupancy Rate	%	96.9	96.2	95.7	95.0	93.8	92.4	91.9
Prepared Industrial Land								
Gross Allocation [3]	Hectares	398.0	255.2	232.2	166.8	150.8	145.3	131.3
Returns [3]	Hectares	208.3	103.5	201.4	103.9	162.9	160.9	213.8
Total Allocated [4]	Hectares	6,217.7	6,374.0	6,433.1	6,513.0	6,507.5	6,497.8	6,427.6
Supply [4]	Hectares	6,952.2	7,069.8	7,245.4	7,337.2	7,361.0	7,379.4	7,475.7

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 Renamed as High-Rise Space (from Flatted Factory) to cover the various types of high-rise space JTC has.
2 Renamed as Land-Based Factory (from Standard Factory) to cover the various types of land-based facilities that JTC has.
3 Excludes Prepared Industrial Land that is tendered out as part of the Industrial Government Land Sales (IGLS) programme.
4 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.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14437
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14438

13.14 RESIDENTIAL DWELLINGS

Number

Type of Property	2011	2012	2013	2014	2015	2016	2017
Residential Dwelling Units	1,187,110	1,216,217	1,231,914	1,271,109	1,322,898	1,370,319	1,421,302
Type of Dwellings [1]							
Total HDB Flats [2]	909,610	927,643	933,389	953,975	980,613	1,004,623	1,032,461
HDB 1-2 Room Flats [3]	56,224	61,234	63,622	68,332	71,937	75,175	82,791
HDB 3 Room Flats	224,920	226,300	226,199	228,329	232,089	236,065	240,466
HDB 4 Room Flats	349,674	358,113	361,212	371,573	384,507	395,568	407,434
HDB 5 Room And Executive Flats	276,428	279,632	280,350	284,601	291,149	296,884	301,770
Condominiums And Other Apartments	193,944	204,340	214,148	232,296	256,971	279,745	302,610
Landed Properties	71,551	72,032	72,396	73,024	73,445	74,108	74,500
Others [4]	12,005	12,202	11,981	11,814	11,869	11,843	11,731

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 (HUDC) 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=14626

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, self-employed persons operating private hire vehicles and other individual self-employed persons not registered with the Accounting and Corporate Regulatory Authority (ACRA) are also excluded.

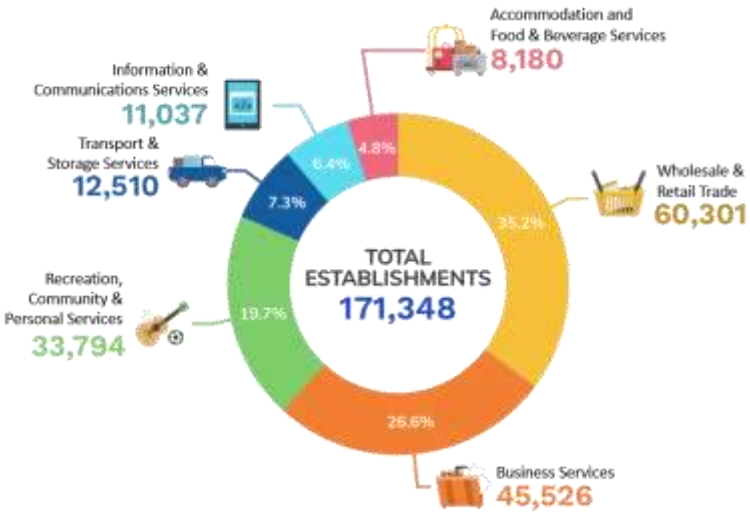
Stratified random sampling is adopted for the survey. All establishments in the sampling frame are first stratified by activity and within each activity, establishments are then stratified by operating receipts. Establishments with large operating receipts are selected with certainty and the rest are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

Definitions

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

Establishment: Refers to a business or organisation unit within an enterprise engaged in one activity and operating in a single location. Thus, for a multi-activity firm or organisation, units engaged in separate activities in the same location constitute distinct establishments. Similarly, a branch of a multi-branch organisation operating at separate location is conceptually a different establishment.

Total Establishments, 2016



Operating Receipts: Refer 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, indirect taxes, 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, freight charges and other expenses that are connected with 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 enterprises. Data for the compilation of the indices are primarily obtained from more than 620 enterprises covered in the monthly retail sales and food & beverage services surveys. The base year for the indices is 2017.

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 1,000 wholesale trade enterprises covered in the quarterly survey of wholesale trade as well as from administrative records. The base year for the WTI is 2017.

Two series of the WTI are compiled – Domestic WTI and Foreign WTI. The Domestic WTI records wholesale sales in Singapore. The Foreign WTI measures wholesale sales outside Singapore, which comprises domestic exports, re-exports, transhipment 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 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		
2010	135,990	1,814,720.9	1,748,248.4	88,739.8	159,097.9
2011	143,657	2,299,933.5	2,226,765.8	96,369.9	172,993.2
2012	150,682	2,508,664.3	2,435,579.2	98,223.8	181,038.7
2013	153,562	2,785,230.5	2,709,704.4	102,184.4	190,687.3
2014	158,640	2,887,417.2	2,816,578.6	99,032.7	193,613.5
2015	165,570	2,685,073.1	2,615,029.3	101,231.1	202,180.3
2016	171,348	2,464,169.9	2,393,025.8	103,523.5	209,293.8
			Wholesale Trade		
2010	33,438	1,520,630.2	1,485,161.8	36,962.1	53,656.9
2011	34,057	1,981,370.0	1,940,105.6	42,825.9	60,834.1
2012	34,745	2,161,721.0	2,121,838.0	41,762.7	60,675.2
2013	34,018	2,412,470.3	2,371,925.8	42,403.3	61,956.5
2014	34,090	2,496,665.3	2,462,067.7	36,640.3	57,014.6
2015	34,956	2,274,365.8	2,241,526.8	35,042.4	57,229.3
2016	35,703	2,045,350.1	2,007,815.5	39,848.5	63,053.4
			Retail Trade		
2010	19,612	37,518.2	35,543.9	2,321.0	5,305.6
2011	20,580	40,815.8	38,574.9	2,620.9	5,964.2
2012	21,229	43,031.9	40,904.0	2,567.1	6,122.2
2013	21,528	43,704.3	41,752.5	2,443.4	6,230.5
2014	22,237	44,488.2	42,771.8	2,259.6	6,437.2
2015	23,435	46,114.0	44,273.9	2,401.9	6,800.6
2016	24,598	47,676.9	45,675.5	2,582.9	7,058.1
			Transport & Storage Services		
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	12,018	113,071.9	104,635.6	15,694.8	28,258.2
2016	12,510	104,772.7	99,315.6	12,990.4	25,790.1

(continued on the next page)

Notes : Data are classified according to the Singapore Standard Industrial Classification 2015.
Data exclude financial & insurance services, public administration activities, own-account workers (e.g. freelancers, taxi drivers, hawkers) and self-employed persons operating private-hire vehicles.

1 Value added is at basic prices.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13033

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				
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	7,342	15,316.9	13,436.9	2,599.5	6,810.1
2015	7,712	15,405.5	13,672.9	2,511.7	6,850.6
2016	8,180	15,652.5	13,813.7	2,678.3	7,042.7
	Information & Communications Services				
2010	6,631	36,545.8	32,965.8	4,955.1	11,365.4
2011	7,409	39,747.8	35,623.2	5,586.4	12,649.4
2012	8,174	44,359.7	40,062.7	5,967.1	13,804.2
2013	8,633	47,931.0	43,033.7	6,728.4	14,995.9
2014	9,265	53,568.3	48,590.4	6,945.4	16,097.7
2015	10,683	58,783.4	54,415.2	6,583.9	16,199.5
2016	11,037	63,840.1	59,163.9	7,088.6	17,112.0
	Business Services				
2010	34,615	94,185.2	77,888.4	21,681.6	40,983.0
2011	37,196	104,164.4	85,184.8	24,937.2	46,014.8
2012	39,671	117,151.4	96,303.1	27,024.9	49,751.5
2013	41,205	129,253.9	106,232.9	29,529.8	54,401.3
2014	43,108	132,919.5	109,892.7	30,335.9	56,711.3
2015	44,335	139,733.5	115,426.0	32,491.8	60,830.9
2016	45,526	147,228.0	123,802.2	32,116.3	61,917.5
	Recreation, Community & Personal Services				
2010	25,539	25,897.8	27,556.3	5,770.5	18,626.7
2011	27,038	29,284.0	30,351.7	6,597.1	20,598.3
2012	28,656	31,219.0	33,030.3	6,571.5	22,107.1
2013	29,672	33,278.7	35,646.9	6,485.0	23,342.7
2014	31,145	35,696.6	38,111.0	6,780.7	25,078.5
2015	32,430	37,599.0	41,078.9	6,504.5	26,011.2
2016	33,794	39,649.6	43,439.5	6,218.5	27,320.1

Notes : Data are classified according to the Singapore Standard Industrial Classification 2015.
Data exclude financial & insurance services, public administration activities, own-account workers (e.g. freelancers, taxi drivers, hawkers) and self-employed persons operating private-hire vehicles.

1 Value added is at basic prices.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13033

14.2 RETAIL SALES INDEX

(2017 = 100)

	Weights [1]	2011	2012	2013	2014	2015	2016	2017
		At Current Prices						
Total	10,000	94.4	96.6	91.7	92.1	96.1	98.2	100.0
Total (excl Motor Vehicles)	8,193	99.1	101.7	102.6	102.1	100.9	98.2	100.0
Department Stores [2]	620	102.4	104.0	105.9	104.3	104.9	100.5	100.0
Supermarkets & Hypermarkets	1,443	82.8	85.7	89.8	93.1	96.5	96.5	100.0
Mini-marts & Convenience Stores	423	99.2	102.5	104.6	104.4	101.8	102.9	100.0
Food Retailers [3]	214	104.5	109.3	114.8	118.5	111.0	101.6	100.0
Motor Vehicles	1,807	65.0	65.8	48.5	50.8	76.6	98.2	100.0
Petrol Service Stations	431	114.8	120.1	121.3	121.8	99.0	91.2	100.0
Medical Goods & Toiletries	619	73.4	81.2	84.3	87.7	91.0	95.2	100.0
Wearing Apparel & Footwear	975	106.2	108.3	108.8	104.7	102.0	98.0	100.0
Furniture & Household Equipment	753	111.3	113.1	108.1	103.8	101.4	100.8	100.0
Recreational Goods	145	109.8	111.0	111.7	105.2	98.8	97.2	100.0
Watches & Jewellery	904	102.2	102.6	103.5	101.3	102.7	96.8	100.0
Computer & Telecommunications Equipment	549	130.4	135.2	125.2	126.2	118.5	99.5	100.0
Optical Goods & Books	294	111.6	108.9	113.3	112.8	106.2	101.6	100.0
Others	823	91.2	92.2	93.0	88.0	95.1	100.4	100.0
		At Constant Prices						
Total	10,000	95.7	96.9	92.7	93.0	97.3	98.7	100.0
Total (excl Motor Vehicles)	8,193	101.1	102.9	104.0	103.3	102.2	98.8	100.0
Department Stores [2]	620	103.4	104.2	105.8	104.8	105.6	100.9	100.0
Supermarkets & Hypermarkets	1,443	90.1	91.5	94.4	96.0	98.7	97.1	100.0
Mini-marts & Convenience Stores	423	108.1	109.4	110.0	106.9	103.1	103.2	100.0
Food Retailers [3]	214	118.5	121.0	124.4	124.0	114.5	102.9	100.0
Motor Vehicles	1,807	63.8	63.8	48.6	51.0	77.3	98.5	100.0
Petrol Service Stations	431	121.9	123.5	121.8	121.5	103.9	99.5	100.0
Medical Goods & Toiletries	619	73.4	80.3	82.6	85.7	89.3	93.7	100.0
Wearing Apparel & Footwear	975	107.6	108.2	108.4	105.7	103.2	98.5	100.0
Furniture & Household Equipment	753	106.8	110.7	106.2	101.7	99.3	98.9	100.0
Recreational Goods	145	108.6	110.7	112.5	105.2	98.4	96.2	100.0
Watches & Jewellery	904	96.7	94.3	104.6	106.6	108.0	97.7	100.0
Computer & Telecommunications Equipment	549	125.0	133.9	124.2	124.8	117.3	98.3	100.0
Optical Goods & Books	294	116.5	112.5	115.7	114.8	108.2	101.6	100.0
Others	823	93.0	92.4	92.6	88.6	96.2	101.1	100.0

Note : Data are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).

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 Services.

2 Excludes department stores cum supermarkets (e.g. hypermarkets), which is now grouped under 'Supermarkets & 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=15527
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15514

14.3 FOOD & BEVERAGE SERVICES INDEX

(2017 = 100)

	Weights [1]	2011	2012	2013	2014	2015	2016	2017
		At Current Prices						
Total	1,000	96.0	100.4	102.4	103.4	100.5	100.5	100.0
Restaurants	412	108.5	112.7	116.4	116.2	110.6	104.6	100.0
Fast Food Outlets	127	86.4	88.8	90.8	92.3	93.2	95.9	100.0
Food Caterers	114	91.6	99.2	102.3	99.1	97.8	98.2	100.0
Other Eating Places	347	89.0	93.1	93.3	96.4	94.2	98.9	100.0
		At Constant Prices						
Total	1,000	108.3	110.6	110.8	109.1	103.6	101.7	100.0
Restaurants	412	125.7	126.2	127.3	124.1	114.4	105.8	100.0
Fast Food Outlets	127	94.8	97.5	98.8	97.0	96.4	97.0	100.0
Food Caterers	114	96.9	104.1	106.4	101.7	100.2	99.9	100.0
Other Eating Places	347	100.8	102.8	101.0	101.7	97.2	100.0	100.0

Notes : Data are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).
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 Services.

Download times series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15521
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15526

14.4 DOMESTIC WHOLESALE TRADE INDEX

(2017 = 100)

	Weights [1]	2011	2012	2013	2014	2015	2016	2017
		At Current Prices						
Total	10,000	135.2	132.7	135.6	128.8	100.9	87.4	100.0
Total (excl Petroleum)	5,636	123.4	121.9	124.6	121.2	107.7	96.5	100.0
Food, Beverages & Tobacco	457	80.9	87.0	90.8	94.7	97.6	99.6	100.0
Household Equipment & Furniture	196	106.7	117.3	104.3	104.0	104.6	121.9	100.0
Petroleum & Petroleum Products	4,364	148.8	144.7	148.0	137.4	93.3	77.1	100.0
Chemicals & Chemical Products	441	116.7	112.2	117.0	120.4	112.3	93.7	100.0
Electronic Components	1,029	98.7	94.4	104.1	107.9	116.1	96.1	100.0
Industrial & Construction Machinery	269	107.7	104.5	107.6	112.1	110.0	102.1	100.0
Telecommunications & Computers	940	100.3	102.7	110.6	111.9	118.1	99.6	100.0
Metals, Timber & Construction Materials	433	149.0	149.6	141.8	133.4	120.8	102.7	100.0
General Wholesale Trade	240	188.9	183.6	196.4	188.8	117.1	95.0	100.0
Ship Chandlers & Bunkering	610	222.9	223.3	203.8	177.3	93.9	74.2	100.0
Transport Equipment	172	97.0	97.9	94.6	97.4	100.9	99.3	100.0
Other Wholesale Trade	849	109.2	99.4	113.1	105.5	101.3	97.1	100.0
		At Constant Prices						
Total	10,000	89.3	87.4	92.9	93.6	101.8	99.0	100.0
Total (excl Petroleum)	5,636	100.9	100.6	106.6	107.2	106.2	100.3	100.0
Food, Beverages & Tobacco	457	81.5	88.5	91.6	93.9	97.3	100.5	100.0
Household Equipment & Furniture	196	87.5	99.0	92.1	98.6	100.0	120.2	100.0
Petroleum & Petroleum Products	4,364	81.8	77.7	82.9	83.7	98.6	98.1	100.0
Chemicals & Chemical Products	441	80.3	76.3	82.1	89.1	116.4	109.2	100.0
Electronic Components	1,029	89.0	85.1	97.0	103.4	108.1	94.3	100.0
Industrial & Construction Machinery	269	102.4	101.2	105.4	109.8	107.9	103.2	100.0
Telecommunications & Computers	940	74.3	79.1	92.1	102.0	110.4	96.4	100.0
Metals, Timber & Construction Materials	433	132.8	137.8	134.7	127.8	118.7	107.7	100.0
General Wholesale Trade	240	150.5	145.6	160.1	158.3	116.3	101.4	100.0
Ship Chandlers & Bunkering	610	128.8	126.2	121.4	113.4	99.6	95.8	100.0
Transport Equipment	172	115.4	115.7	111.5	107.5	106.8	104.5	100.0
Other Wholesale Trade	849	102.0	93.4	109.4	101.9	99.6	96.0	100.0

Note : Data are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).

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 Services.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15613
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15617

14.5 FOREIGN WHOLESALE TRADE INDEX

(2017 = 100)

	Weights [1]	2011	2012	2013	2014	2015	2016	2017
		At Current Prices						
Total	10,000	103.2	110.8	116.2	112.9	95.8	87.5	100.0
Total (excl Petroleum)	5,904	93.3	95.8	103.4	102.8	97.7	92.2	100.0
Food, Beverages & Tobacco	448	93.3	92.0	91.0	89.4	88.3	84.3	100.0
Household Equipment & Furniture	119	103.8	95.9	86.2	82.8	82.2	94.3	100.0
Petroleum & Petroleum Products	4,096	122.0	137.4	138.8	130.8	92.5	79.2	100.0
Chemicals & Chemical Products	486	122.4	124.5	132.1	117.5	98.4	89.7	100.0
Electronic Components	540	92.6	97.6	109.3	106.8	109.5	90.5	100.0
Industrial & Construction Machinery	173	128.6	132.1	101.0	93.3	84.9	83.2	100.0
Telecommunications & Computers	933	69.2	80.1	79.8	82.2	84.1	91.9	100.0
Metals, Timber & Construction Materials	1,248	80.0	82.5	116.7	117.7	106.8	93.3	100.0
General Wholesale Trade	514	93.8	93.1	97.3	103.4	97.5	92.3	100.0
Ship Chandlers & Bunkering	143	174.8	178.9	181.4	180.7	113.9	96.5	100.0
Transport Equipment	202	88.6	110.9	107.5	105.5	106.3	102.2	100.0
Other Wholesale Trade	1,098	101.8	94.0	102.3	101.0	100.6	94.8	100.0
Total	10,000	72.5	79.1	85.9	87.3	95.1	96.5	100.0
Total (excl Petroleum)	5,904	78.3	84.7	94.7	95.8	95.4	94.0	100.0
Food, Beverages & Tobacco	448	92.6	91.4	93.9	91.8	87.6	83.2	100.0
Household Equipment & Furniture	119	90.6	87.7	80.5	79.4	79.0	92.2	100.0
Petroleum & Petroleum Products	4,096	66.3	73.2	76.7	78.2	94.7	99.1	100.0
Chemicals & Chemical Products	486	87.5	88.3	97.1	89.6	97.1	100.5	100.0
Electronic Components	540	81.8	89.5	102.1	103.2	101.7	87.7	100.0
Industrial & Construction Machinery	173	119.7	121.8	94.7	86.3	79.7	82.6	100.0
Telecommunications & Computers	933	59.5	71.1	75.4	79.5	77.9	87.4	100.0
Metals, Timber & Construction Materials	1,248	67.6	75.4	108.0	107.7	107.1	99.1	100.0
General Wholesale Trade	514	79.9	80.2	86.2	93.7	95.0	94.9	100.0
Ship Chandlers & Bunkering	143	103.3	103.9	111.5	118.4	116.2	120.3	100.0
Transport Equipment	202	101.0	126.1	120.5	112.1	111.0	106.6	100.0
Other Wholesale Trade	1,098	78.9	85.5	97.9	100.2	99.5	94.8	100.0

Note : Data are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).

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 Services.

Download times series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15615
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15619

14.6 BUSINESS RECEIPTS INDEX FOR SERVICES INDUSTRIES

(2014 = 100)

	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Total Services [2]	10,000	86.3	90.2	96.4	100.0	102.1	102.5	109.4
Transport & Storage [3]	1,440	91.8	95.7	97.7	100.0	100.9	98.2	104.2
Information & Communications	958	91.4	93.6	95.9	100.0	103.1	106.0	119.7
Financial & Insurance	2,694	79.9	82.9	93.6	100.0	107.6	108.0	114.0
Business Services [4]	3,422	86.3	90.3	97.8	100.0	99.0	98.8	104.7
Education	473	78.4	85.9	94.4	100.0	102.4	107.4	113.6
Health & Social Services	494	79.7	87.5	91.8	100.0	107.2	115.4	126.7
Recreation & Personal Services [5]	519	98.0	102.3	103.5	100.0	91.0	86.6	91.7

Notes : Data are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).

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.
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=14641

15

International Trade

15 International Trade

Merchandise Trade

Sources of Data

Since April 1987, Singapore's merchandise trade statistics are compiled by Enterprise Singapore (previously International Enterprise 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.

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

Coverage

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

i) Transhipment 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;

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.

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: Refer 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: Refer 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: Refer 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: Refer 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 Current Prices, 2017

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

The "Singapore Trade Classification, Customs and Excise Duties 2018" came into effect on 24 June 2018 and was adopted for the documentation of Singapore's merchandise trade from 17 July 2018. This classification adopts the ASEAN Harmonized Tariff Nomenclature 2017 (AHTN 2017) 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: Refer to the value of cross-border services provided by residents to non-residents.

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

Trade in Services, 2017

Other References

Detailed monthly merchandise trade statistics are available in the "Singapore's External Trade" report published monthly by Enterprise 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 Enterprise Singapore's quarterly and annual reviews of trade performance.

15.1 MERCHANDISE TRADE BY TYPE

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
	At Current Prices						
Total Merchandise Trade	991,558.8	1,001,544.0	1,011,077.9	1,004,650.0	915,218.8	870,216.2	967,102.4
Merchandise Exports	523,270.6	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6	515,000.8
Oil	136,773.7	130,900.7	124,961.7	122,863.1	81,829.1	69,238.5	90,182.2
Non-oil	386,497.0	388,453.4	400,545.4	403,204.3	409,987.0	397,673.1	424,818.7
Domestic Exports	281,729.3	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3	259,301.9
Oil	103,953.9	106,814.5	106,476.6	106,986.8	72,503.8	63,374.8	84,566.1
Non-oil	177,775.4	178,354.4	164,740.2	162,791.3	165,229.0	160,558.5	174,735.9
Re-exports	241,541.3	234,185.3	254,290.4	256,289.3	254,083.3	242,978.4	255,698.9
Merchandise Imports	468,288.2	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6	452,101.6
Oil	149,946.3	154,804.2	146,280.6	143,742.1	88,774.9	70,530.2	99,861.4
Non-oil	318,341.9	327,385.7	339,290.1	334,840.5	334,627.7	332,774.4	352,240.2
`	At 2012 Prices						
Total Merchandise Trade	989,735.7	1,001,541.2	1,040,445.9	1,060,310.9	1,085,671.2	1,088,453.4	1,152,327.5
Merchandise Exports	521,184.5	519,300.5	540,767.1	553,449.3	567,063.1	569,706.8	601,967.7
Oil	140,180.8	130,851.4	131,939.3	138,524.1	147,064.6	152,643.2	157,541.1
Non-oil	381,003.8	388,449.1	408,827.9	414,925.2	419,998.5	417,063.6	444,426.6
Domestic Exports	281,144.9	285,256.3	280,371.2	287,719.4	296,487.1	306,737.3	331,168.7
Oil	106,415.4	106,916.2	112,620.9	120,731.7	128,957.1	138,439.6	147,372.7
Non-oil	174,729.5	178,340.1	167,750.4	166,987.7	167,530.0	168,297.7	183,795.9
Re-exports	240,039.6	234,044.2	260,395.9	265,729.9	270,576.0	262,969.5	270,799.0
Merchandise Imports	468,551.1	482,240.7	499,678.7	506,861.6	518,608.1	518,746.5	550,359.8
Oil	153,988.8	154,869.0	152,754.6	161,984.2	171,410.4	165,367.2	180,373.0
Non-oil	314,562.3	327,371.7	346,924.2	344,877.4	347,197.7	353,379.3	369,986.8

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15335
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15327

15.2 TOTAL MERCHANDISE TRADE BY REGION/COUNTRY

Million Dollars

Region / Country	2011	2012	2013	2014	2015	2016	2017
Total	991,558.8	1,001,544.0	1,011,077.9	1,004,650.0	915,218.8	870,216.2	967,102.4
America	117,255.2	115,371.6	119,467.7	114,015.5	102,863.0	95,623.6	105,437.5
Brazil	4,164.7	4,281.0	5,552.6	4,843.5	3,523.7	2,742.5	3,668.4
Canada	3,173.2	3,048.4	3,635.7	2,969.4	2,867.6	2,922.2	2,865.7
United States	75,869.6	75,339.5	76,987.9	75,762.3	75,733.0	72,414.2	79,918.0
Asia	696,891.9	705,894.8	712,566.5	708,864.5	653,178.6	623,042.1	698,121.6
Bahrain	337.0	596.0	696.8	601.7	426.6	338.7	522.4
Bangladesh	2,989.1	2,745.8	3,391.1	4,445.5	3,515.9	3,919.8	4,349.3
Brunei Darussalam	2,226.0	1,708.8	1,513.9	1,411.1	1,257.6	1,173.7	1,466.7
Cambodia	4,897.8	3,434.8	8,469.0	4,978.8	5,169.9	5,280.7	4,467.3
China	101,748.1	104,905.7	116,664.7	125,546.7	128,569.6	117,198.4	137,115.1
Hong Kong	60,752.8	61,804.1	62,126.3	62,426.4	61,571.3	64,192.6	69,605.9
India	35,774.3	30,980.1	25,745.8	25,039.1	23,027.2	22,011.7	25,235.8
Indonesia	81,555.8	81,866.1	78,924.6	72,857.4	61,561.0	56,057.2	59,441.5
Japan	57,062.7	52,559.7	47,914.8	47,000.1	47,383.1	49,527.5	51,794.3
Korea, Republic of	47,122.8	53,120.6	50,964.6	48,771.2	45,067.1	43,564.1	45,424.7
Kuwait	4,700.6	6,214.3	4,724.0	4,575.7	3,909.3	3,602.7	4,746.1
Laos	44.2	44.3	40.2	62.5	127.2	71.8	53.1
Malaysia	113,347.6	115,031.5	116,091.4	112,931.3	98,577.7	93,749.4	108,220.4
Myanmar	1,633.1	1,772.4	3,039.4	3,238.0	3,546.3	3,320.6	3,632.0
Pakistan	2,460.4	1,201.1	1,426.5	1,725.4	1,804.1	1,190.3	1,432.8
Philippines	16,299.5	15,467.3	14,745.0	15,025.4	15,053.3	15,472.5	17,948.5
Saudi Arabia	23,263.1	23,016.8	17,639.8	20,113.7	12,316.9	12,312.9	13,756.0
Sri Lanka	1,917.3	2,099.7	2,654.7	2,372.0	2,081.1	2,133.6	2,704.1
Taiwan	45,700.4	49,677.4	55,500.1	58,528.5	53,909.6	52,533.8	60,357.7
Thailand	32,072.4	32,679.7	30,873.4	30,774.7	30,381.6	28,973.4	30,164.5
United Arab Emirates	21,816.7	26,805.3	30,182.5	27,851.3	19,355.6	15,532.5	17,251.7
Viet Nam	14,832.8	15,411.6	16,754.7	19,532.1	21,599.5	19,828.1	21,595.9
Europe	127,587.3	126,905.2	127,524.1	125,310.7	116,237.6	117,229.2	124,011.8
France	18,352.5	19,158.3	15,421.9	14,494.7	14,187.9	15,972.0	16,973.3
Germany	21,486.7	20,645.3	20,916.6	20,310.9	19,931.5	19,974.4	21,641.1
Italy	5,699.5	5,478.6	5,843.5	6,148.2	5,654.5	5,984.3	6,194.8
Netherlands	18,249.1	18,677.9	15,188.1	15,191.5	14,150.3	14,755.6	15,622.6
Sweden	2,009.5	1,848.4	1,671.8	1,578.9	1,788.9	1,577.4	1,827.4
United Kingdom	15,926.4	16,495.0	14,308.5	12,416.9	12,142.2	11,500.8	11,434.3
Switzerland	11,981.7	11,684.4	18,790.8	14,824.9	14,512.9	15,687.9	15,885.1
Oceania	35,984.9	39,243.1	36,489.3	40,584.8	31,284.1	25,480.3	29,209.6
Australia	25,323.3	28,161.5	26,158.3	29,487.3	22,915.6	18,181.9	19,441.7
New Zealand	3,926.3	3,480.9	3,408.0	3,949.7	3,363.4	2,834.1	3,683.5
Africa	13,839.5	14,129.3	15,030.3	15,874.6	11,655.5	8,841.0	10,322.0
European Union [1]	106,093.2	105,417.0	96,670.3	95,916.7	90,831.8	93,181.8	98,442.2

Source : 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	2011	2012	2013	2014	2015	2016	2017
Total	468,288.2	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6	452,101.6
America	63,804.9	63,758.6	66,237.4	64,816.4	56,281.2	51,683.4	58,006.5
Brazil	2,410.6	2,555.2	2,131.1	2,822.4	1,950.9	1,539.5	2,000.9
Canada	1,408.1	1,555.9	1,619.7	1,732.6	1,839.4	1,895.3	1,856.0
United States	48,424.8	48,157.2	48,399.2	48,278.4	45,886.6	42,580.6	47,555.8
Asia	321,159.1	331,756.9	324,310.2	317,895.6	282,351.6	273,037.3	307,674.9
Bahrain	238.7	468.2	571.3	416.0	272.1	197.4	358.7
Bangladesh	134.7	131.8	154.6	167.7	209.3	300.2	376.5
Brunei Darussalam	244.7	164.0	69.2	293.4	189.4	114.2	420.7
Cambodia	259.3	723.2	228.8	344.2	219.9	1,840.8	353.2
China	48,083.7	49,604.0	55,017.4	56,284.5	57,915.3	55,945.8	62,555.0
Hong Kong	4,121.5	3,932.1	4,484.7	4,419.4	5,057.7	4,446.4	6,122.6
India	17,771.2	16,214.5	11,416.2	10,480.6	7,921.8	8,151.2	10,033.8
Indonesia	24,576.2	25,639.6	24,320.1	24,131.3	20,873.1	19,334.8	20,875.1
Japan	33,967.5	29,963.9	25,917.1	25,792.8	26,377.8	29,416.4	28,260.2
Korea, Republic of	27,664.1	32,407.4	30,167.3	27,633.3	25,165.9	23,510.4	22,322.2
Kuwait	4,515.2	5,991.3	4,325.1	4,326.4	3,667.5	3,326.7	4,453.4
Laos	0.6	6.8	7.2	19.6	18.3	7.4	9.0
Malaysia	49,242.3	50,592.2	51,150.7	49,472.0	45,439.7	44,536.6	53,609.9
Myanmar	108.0	98.8	224.3	203.1	172.6	174.5	153.3
Pakistan	95.4	81.0	150.2	245.1	319.5	106.3	95.5
Philippines	7,793.2	7,546.8	6,366.1	6,324.6	6,237.6	6,484.2	7,919.4
Saudi Arabia	22,163.5	21,508.6	16,095.0	18,504.3	10,957.7	11,228.4	12,629.6
Sri Lanka	216.1	105.5	177.2	138.7	146.3	132.0	177.5
Taiwan	27,344.4	31,619.2	36,357.8	38,089.8	34,065.9	32,184.5	37,440.9
Thailand	14,317.7	12,669.5	11,642.9	11,107.2	11,033.9	9,962.1	9,894.0
United Arab Emirates	15,835.2	20,890.4	23,095.7	20,163.0	11,898.0	9,899.5	12,187.3
Viet Nam	2,084.6	2,806.7	3,825.8	4,052.2	4,943.1	4,148.1	4,632.8
Europe	75,301.8	76,407.8	83,707.1	80,390.1	73,653.4	68,789.2	75,714.8
France	10,662.5	11,343.5	10,123.8	10,254.8	10,035.6	11,809.7	12,334.8
Germany	13,078.0	13,203.6	13,607.0	13,486.6	12,307.2	12,054.5	13,092.9
Italy	4,475.8	4,473.9	4,913.9	5,242.2	4,863.3	5,101.1	5,207.2
Netherlands	8,761.7	9,799.8	7,156.2	5,959.1	5,635.7	5,219.2	4,841.6
Sweden	1,632.7	1,614.2	1,521.1	1,417.7	1,599.9	1,352.3	1,555.3
United Kingdom	7,598.7	8,779.2	9,990.0	7,850.8	7,895.0	7,426.7	7,640.6
Switzerland	10,635.3	8,880.7	16,909.6	12,538.8	12,107.2	10,764.7	12,607.1
Oceania	6,494.0	7,934.8	7,877.1	11,123.0	8,367.4	6,435.6	7,190.4
Australia	5,112.6	6,899.7	6,725.9	9,918.7	7,063.2	5,240.9	5,636.5
New Zealand	1,253.2	872.5	1,062.5	1,125.2	989.9	824.8	1,200.7
Africa	1,528.3	2,331.8	3,438.9	4,357.6	2,749.0	3,359.0	3,515.0
European Union [1]	57,932.0	59,658.7	57,760.9	55,441.8	52,162.7	53,059.5	55,366.1

Source : 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	2011	2012	2013	2014	2015	2016	2017
Total	523,270.6	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6	515,000.8
America	53,450.3	51,613.0	53,230.3	49,199.1	46,581.8	43,940.2	47,431.0
Brazil	1,754.1	1,725.8	3,421.6	2,021.1	1,572.8	1,203.0	1,667.5
Canada	1,765.1	1,492.5	2,016.1	1,236.8	1,028.1	1,026.9	1,009.7
United States	27,444.8	27,182.3	28,588.7	27,484.0	29,846.3	29,833.7	32,362.2
Asia	375,732.8	374,137.9	388,256.3	390,968.9	370,827.0	350,004.7	390,446.7
Bahrain	98.3	127.8	125.6	185.8	154.5	141.2	163.7
Bangladesh	2,854.3	2,614.0	3,236.5	4,277.8	3,306.6	3,619.6	3,972.9
Brunei Darussalam	1,981.2	1,544.8	1,444.7	1,117.6	1,068.2	1,059.5	1,046.0
Cambodia	4,638.4	2,711.6	8,240.2	4,634.6	4,950.1	3,439.9	4,114.1
China	53,664.4	55,301.7	61,647.2	69,262.2	70,654.3	61,252.5	74,560.1
Hong Kong	56,631.3	57,872.0	57,641.6	58,007.0	56,513.6	59,746.2	63,483.4
India	18,003.0	14,765.6	14,329.5	14,558.4	15,105.4	13,860.5	15,202.0
Indonesia	56,979.7	56,226.5	54,604.4	48,726.0	40,687.8	36,722.4	38,566.4
Japan	23,095.2	22,595.8	21,997.7	21,207.2	21,005.3	20,111.1	23,534.1
Korea, Republic of	19,458.7	20,713.2	20,797.3	21,137.9	19,901.3	20,053.8	23,102.5
Kuwait	185.3	223.0	399.0	249.3	241.7	275.9	292.7
Laos	43.6	37.6	33.0	42.9	108.9	64.4	44.1
Malaysia	64,105.3	64,439.3	64,940.6	63,459.3	53,138.0	49,212.8	54,610.4
Myanmar	1,525.2	1,673.6	2,815.1	3,034.8	3,373.7	3,146.1	3,478.7
Pakistan	2,365.0	1,120.1	1,276.3	1,480.2	1,484.6	1,084.0	1,337.4
Philippines	8,506.2	7,920.4	8,378.9	8,700.9	8,815.7	8,988.2	10,029.1
Saudi Arabia	1,099.6	1,508.2	1,544.8	1,609.4	1,359.2	1,084.5	1,126.4
Sri Lanka	1,701.3	1,994.1	2,477.5	2,233.3	1,934.9	2,001.7	2,526.6
Taiwan	18,356.0	18,058.2	19,142.3	20,438.7	19,843.7	20,349.3	22,916.9
Thailand	17,754.7	20,010.1	19,230.5	19,667.5	19,347.6	19,011.4	20,270.5
United Arab Emirates	5,981.5	5,914.9	7,086.7	7,688.3	7,457.6	5,633.0	5,064.4
Viet Nam	12,748.2	12,604.8	12,928.9	15,479.8	16,656.4	15,680.0	16,963.1
Europe	52,285.5	50,497.3	43,816.9	44,920.7	42,584.2	48,440.0	48,296.9
France	7,690.0	7,814.8	5,298.1	4,239.9	4,152.3	4,162.3	4,638.6
Germany	8,408.7	7,441.8	7,309.7	6,824.4	7,624.3	7,919.9	8,548.1
Italy	1,223.7	1,004.7	929.6	906.0	791.2	883.2	987.6
Netherlands	9,487.4	8,878.1	8,031.9	9,232.3	8,514.6	9,536.4	10,781.0
Sweden	376.8	234.2	150.8	161.2	189.0	225.1	272.1
United Kingdom	8,327.8	7,715.8	4,318.5	4,566.1	4,247.2	4,074.0	3,793.7
Switzerland	1,346.4	2,803.7	1,881.2	2,286.1	2,405.6	4,923.2	3,278.0
Oceania	29,490.9	31,308.4	28,612.3	29,461.8	22,916.7	19,044.7	22,019.1
Australia	20,210.8	21,261.8	19,432.3	19,568.7	15,852.3	12,941.0	13,805.2
New Zealand	2,673.1	2,608.4	2,345.5	2,824.5	2,373.5	2,009.4	2,482.8
Africa	12,311.1	11,797.5	11,591.4	11,517.0	8,906.4	5,482.0	6,807.0
European Union [1]	48,161.2	45,758.3	38,909.4	40,474.9	38,669.1	40,122.3	43,076.1

Source : 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	2011	2012	2013	2014	2015	2016	2017
Total	281,729.3	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3	259,301.9
America	40,392.0	38,748.9	36,257.8	33,989.0	30,309.4	27,215.6	28,487.9
Brazil	851.8	904.4	885.4	838.2	563.6	387.1	745.7
Canada	1,056.5	942.1	921.6	767.4	574.7	500.0	493.2
United States	17,339.6	17,156.3	16,471.2	15,375.3	16,573.5	16,132.8	16,756.6
Asia	175,014.6	179,367.8	177,387.7	179,302.6	161,415.4	152,904.4	183,213.1
Bahrain	36.1	41.3	59.2	73.2	82.9	86.4	117.0
Bangladesh	1,113.1	1,096.6	1,611.0	2,062.1	1,495.5	1,589.6	1,749.4
Brunei Darussalam	1,192.4	709.3	550.7	390.2	481.9	489.7	546.0
Cambodia	580.5	621.6	1,085.4	1,037.5	986.5	773.0	1,244.3
China	28,461.5	29,400.7	30,573.6	32,680.0	31,229.8	28,732.8	39,765.4
Hong Kong	26,186.3	26,534.5	25,336.0	19,575.2	17,608.9	19,272.5	21,175.5
India	8,461.2	6,268.1	6,389.3	6,720.5	7,024.3	6,187.9	7,159.4
Indonesia	20,226.2	22,243.0	22,782.4	23,804.7	18,246.8	16,251.3	19,004.2
Japan	12,279.9	12,047.3	10,554.8	10,021.1	10,033.1	9,173.8	10,797.3
Korea, Republic of	8,971.4	10,776.5	8,783.7	9,036.4	7,846.9	7,469.5	10,439.7
Kuwait	73.3	123.7	112.8	119.9	132.7	151.1	165.3
Laos	7.7	2.7	5.7	8.4	14.7	8.9	9.8
Malaysia	32,004.4	32,365.0	31,917.7	33,572.2	26,408.3	24,164.9	27,266.8
Myanmar	674.7	758.7	1,549.1	1,555.8	1,813.0	1,781.4	2,111.3
Pakistan	1,152.1	455.0	534.5	786.5	734.7	428.9	616.2
Philippines	4,283.4	3,919.7	3,880.0	4,094.7	4,103.0	4,074.6	4,648.2
Saudi Arabia	593.3	1,034.6	697.1	1,040.9	918.9	744.4	749.1
Sri Lanka	826.6	977.3	964.8	1,297.1	1,065.7	1,020.5	1,186.0
Taiwan	10,263.4	10,993.6	11,222.1	11,879.1	10,257.3	11,177.2	12,792.2
Thailand	8,071.2	8,717.7	8,192.5	8,677.8	8,488.9	8,261.6	9,386.1
United Arab Emirates	2,418.3	2,521.5	3,161.0	2,726.0	3,364.7	2,592.6	2,485.3
Viet Nam	5,360.1	5,558.9	5,460.1	6,437.7	7,327.7	6,856.4	7,915.6
Europe	37,205.5	36,607.6	28,901.5	28,281.1	25,594.0	28,815.5	27,995.1
France	5,384.3	5,786.1	2,938.5	2,442.4	2,191.5	1,937.0	2,157.4
Germany	4,955.6	4,302.8	3,864.7	2,847.9	2,639.0	2,514.1	3,141.5
Italy	713.1	720.5	623.5	555.6	493.5	449.1	590.3
Netherlands	5,882.9	5,912.9	4,776.8	5,058.5	5,033.0	5,460.0	6,169.6
Sweden	230.3	123.2	106.3	115.4	123.5	147.6	214.9
United Kingdom	6,616.4	5,758.6	2,362.1	2,532.2	2,189.1	1,836.8	1,676.1
Switzerland	885.6	1,913.6	1,037.7	1,297.3	1,186.5	3,249.0	1,881.3
Oceania	20,267.8	21,585.6	20,278.2	19,629.8	13,881.9	10,926.6	14,236.4
Australia	12,915.5	13,982.6	12,975.6	12,021.4	8,467.4	6,224.7	7,555.5
New Zealand	1,934.0	1,750.8	1,554.9	1,990.0	1,478.6	1,219.7	1,565.7
Africa	8,849.5	8,858.9	8,391.7	8,575.6	6,532.1	4,071.3	5,369.5
European Union [1]	34,038.1	33,275.9	25,397.5	25,464.6	23,355.1	23,023.0	24,804.5

Source : 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	2011	2012	2013	2014	2015	2016	2017
Total	177,775.4	178,354.4	164,740.2	162,791.3	165,229.0	160,558.5	174,735.9
America	26,677.0	24,369.8	21,496.5	21,301.6	22,210.7	20,646.0	20,293.4
Brazil	813.4	866.9	810.6	836.0	562.3	381.9	668.5
Canada	951.8	664.4	712.0	564.0	449.1	419.4	371.5
United States	16,635.0	16,377.7	14,685.3	14,374.8	15,313.2	14,906.8	15,467.6
Asia	114,509.7	118,155.5	115,048.3	114,488.8	115,603.5	110,737.0	127,961.7
Bahrain	32.6	35.0	40.7	57.2	76.7	84.8	86.8
Bangladesh	465.1	381.2	519.2	664.6	683.9	598.1	666.3
Brunei Darussalam	974.5	469.0	499.1	365.3	356.3	252.7	204.4
Cambodia	125.7	141.5	536.2	461.3	693.5	439.6	821.5
China	20,626.5	21,209.7	23,553.6	25,743.3	25,981.4	24,227.9	31,757.9
Hong Kong	14,470.3	16,102.9	14,948.8	11,712.5	12,064.8	14,453.3	14,303.8
India	5,740.8	5,211.7	5,579.9	5,760.6	5,887.3	5,323.4	6,363.4
Indonesia	11,100.0	11,726.6	10,642.1	10,202.3	9,305.0	8,270.8	8,939.4
Japan	10,767.2	11,012.9	9,900.6	9,204.0	9,151.3	8,391.3	9,823.6
Korea, Republic of	7,746.1	8,672.7	6,477.5	6,189.9	6,402.4	6,255.2	8,976.5
Kuwait	67.1	113.3	86.8	86.6	128.5	147.5	160.0
Laos	7.7	2.7	5.7	8.4	14.1	8.4	9.4
Malaysia	14,880.6	14,034.6	12,807.9	13,657.0	13,179.3	12,517.7	14,126.7
Myanmar	367.7	380.8	853.0	571.7	584.9	418.7	381.9
Pakistan	388.1	349.3	366.3	353.7	374.1	345.5	415.3
Philippines	3,082.6	2,794.4	2,747.3	3,098.5	3,056.1	3,135.0	3,405.1
Saudi Arabia	564.2	894.5	599.7	865.2	840.7	627.1	627.1
Sri Lanka	315.2	286.0	274.1	281.3	341.1	310.5	362.2
Taiwan	9,564.0	10,394.0	10,495.0	10,990.5	9,901.3	10,379.3	11,650.0
Thailand	7,127.3	7,640.8	7,127.7	7,085.6	7,569.0	7,008.7	7,568.8
United Arab Emirates	1,968.4	2,150.8	2,580.1	2,324.2	3,029.4	2,228.3	2,103.9
Viet Nam	2,677.9	2,748.8	3,034.8	3,382.7	4,436.7	3,842.4	3,725.3
Europe	29,094.5	28,111.9	21,648.0	20,174.0	20,831.3	24,126.5	21,310.0
France	5,186.9	5,598.8	2,775.2	2,323.1	2,118.0	1,883.1	2,051.3
Germany	4,004.7	3,623.1	3,199.8	2,236.3	2,356.5	2,298.8	2,847.0
Italy	332.9	288.8	322.1	298.5	366.8	346.6	422.7
Netherlands	5,035.8	4,283.2	4,304.5	4,704.9	4,472.0	4,314.6	4,891.6
Sweden	199.6	98.2	70.9	91.0	112.6	143.9	209.2
United Kingdom	5,070.2	4,881.4	1,496.6	1,741.1	1,858.2	1,560.7	1,294.9
Switzerland	855.9	1,882.0	1,012.7	1,264.6	1,167.1	3,228.2	1,855.4
Oceania	5,754.9	5,650.0	5,113.2	5,446.2	5,417.5	4,051.6	4,076.8
Australia	4,883.4	4,727.2	4,155.9	4,267.7	4,422.2	3,227.9	3,235.4
New Zealand	652.3	620.0	654.7	909.8	741.4	591.5	607.8
Africa	1,739.3	2,067.1	1,434.2	1,380.6	1,166.1	997.4	1,093.9
European Union [1]	26,917.9	25,890.5	19,300.5	18,526.3	19,300.3	18,883.9	18,909.5

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Total	468,288.2	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6	452,101.6
Food	10,295.7	10,035.6	10,590.7	11,353.5	11,254.1	10,780.8	10,939.5
Coffee, tea, cocoa, spices & manufactures	1,410.3	1,282.5	1,248.2	1,525.2	1,568.5	1,394.9	1,279.5
Fish, seafood (excl marine mammals) & preparations	1,435.1	1,316.1	1,317.9	1,386.5	1,481.7	1,532.8	1,506.7
Vegetables & fruits	1,665.6	1,723.5	1,874.4	2,012.9	2,148.5	2,239.7	2,251.5
Beverages & Tobacco	3,678.7	4,015.4	4,490.4	4,399.2	4,368.1	4,427.3	4,734.7
Beverages	2,849.0	3,070.6	3,475.8	3,361.0	3,233.9	3,219.1	3,499.8
Tobacco & manufactures	829.7	944.9	1,014.6	1,038.3	1,134.3	1,208.2	1,234.9
Crude Materials	3,726.0	3,881.3	4,203.9	3,615.3	3,369.0	3,204.5	3,577.4
Metalliferous ores & metal scrap	804.8	906.1	758.9	635.9	472.8	390.2	443.3
Crude rubber	902.4	716.8	517.8	377.7	653.0	627.4	763.8
Crude fertilizers & minerals (excl coal petroleum & precious stones)	1,070.2	1,113.9	1,625.3	1,295.3	970.8	880.3	1,248.0
Crude animal & vegetable materials nes	394.6	398.0	474.3	457.0	444.7	441.2	437.3
Mineral Fuels & Lubricants	149,946.3	154,804.2	146,280.6	143,742.1	88,774.9	70,530.2	99,861.4
Petroleum & products & related materials	143,797.2	147,142.0	138,065.8	135,275.7	83,757.3	66,718.9	94,308.4
Animal & Vegetable Oils	1,481.2	1,742.7	1,425.3	1,346.1	1,080.4	1,302.8	1,417.8
Fixed vegetable fats & oils, crude, refined or fractionated	1,242.9	1,416.8	877.4	823.9	625.5	586.8	552.9
Animal or vegetable fats & oils [1] nes	41.3	47.9	43.4	67.0	78.9	169.8	214.1
Chemicals & Chemical Products	31,881.3	32,401.3	31,885.6	32,810.3	31,461.5	32,134.7	36,993.1
Organic chemicals	8,523.5	8,791.9	9,361.5	9,593.1	8,331.9	8,066.3	9,133.6
Plastics in primary forms	6,459.6	6,865.7	5,709.0	6,134.5	5,556.0	5,539.6	6,490.0
Medicinal & pharmaceutical products	3,525.6	3,263.4	3,263.7	3,352.7	3,669.2	3,784.5	4,121.9
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	3,478.8	3,502.7	3,858.2	4,016.3	4,258.0	4,812.5	5,715.4

(continued on the next page)

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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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15.7 MERCHANDISE IMPORTS BY COMMODITY SECTION *(continued)*

Million Dollars

Commodity Section	2011	2012	2013	2014	2015	2016	2017
Manufactured Goods	30,995.6	29,642.1	29,251.1	31,795.0	28,211.5	26,482.2	24,818.2
Non-ferrous metals	6,535.4	5,307.9	4,822.9	6,357.7	5,394.5	5,298.7	4,621.3
Iron & steel	8,639.9	8,163.0	7,943.6	7,399.7	5,966.7	4,438.9	4,599.9
Manufactures of metals nes	6,320.8	6,553.9	6,725.5	6,874.9	6,334.0	6,157.3	5,436.5
Non-metallic mineral manufactures nes	3,604.9	3,799.8	4,226.4	5,656.0	5,118.6	5,383.0	4,867.1
Textile yarn, fabrics, made-up articles nes & related products	1,446.5	1,390.6	1,386.2	1,373.8	1,339.6	1,304.6	1,190.0
Paper, paperboard & articles of paper pulp or paperboard pulp	2,303.7	2,278.9	2,169.4	2,131.1	2,067.1	2,069.4	2,331.6
Rubber manufactures nes	1,487.1	1,474.5	1,261.5	1,226.4	1,120.7	1,024.8	1,110.2
Machinery & Equipment	188,268.1	196,288.1	195,446.1	191,976.9	194,597.3	193,317.0	207,685.9
Electronics	113,381.7	115,648.1	119,543.3	117,484.2	118,366.9	117,229.2	129,723.9
Integrated circuits	59,409.5	63,222.6	69,962.2	69,095.6	68,155.2	69,600.2	78,645.9
Parts of personal computers	11,794.7	10,862.1	9,790.7	9,644.8	9,838.6	9,128.8	10,330.7
Disk drives	2,324.8	2,545.0	2,401.8	2,474.2	2,719.6	2,121.6	2,559.7
Telecommunications equipment [2]	12,711.3	12,722.0	11,886.4	10,874.0	11,432.8	11,337.4	12,438.4
Consumer electronics [3]	5,120.5	4,524.9	4,135.2	4,000.8	3,428.0	3,220.1	3,575.8
Personal computers	4,834.4	5,123.7	4,761.7	4,302.7	4,782.3	4,443.3	5,068.5
Parts of integrated circuits	4,331.2	4,364.5	4,369.0	4,797.8	4,759.4	4,098.2	3,044.4
Diodes and transistors	6,311.9	5,504.3	5,857.5	6,251.2	7,003.3	7,098.7	7,203.3
Non-electronics	74,886.4	80,640.0	75,902.8	74,492.6	76,230.4	76,087.8	77,962.0
Electrical circuit apparatus	5,093.0	5,187.2	5,438.3	5,485.5	5,422.8	5,228.9	5,502.2
Electrical machinery nes	4,899.3	4,738.8	4,429.8	4,582.7	4,980.5	4,913.1	4,987.6
Miscellaneous Manufactures	30,861.2	33,934.6	35,966.4	35,237.3	35,686.0	37,169.2	38,437.5
Professional scientific & controlling instruments & apparatus nes	8,565.2	9,647.7	10,536.4	10,538.6	10,918.6	12,259.4	12,013.9
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	4,956.6	4,615.3	4,572.4	4,765.4	4,898.1	4,392.4	4,644.5
Articles of apparel & clothing acessories	2,934.8	2,985.7	3,649.1	3,272.1	3,350.0	3,334.2	3,570.7
Miscellaneous manufactured articles nes	10,847.8	12,833.1	13,169.2	12,488.6	12,174.4	12,642.6	13,441.3
Miscellaneous	17,154.1	15,444.5	26,030.5	22,307.0	24,600.0	23,955.8	23,636.1

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Total	523,270.6	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6	515,000.8
Food	6,663.2	6,230.0	7,063.7	8,231.7	8,219.7	7,861.8	8,007.2
Coffee, tea, cocoa, spices & manufactures	1,905.4	1,445.3	1,394.7	1,718.4	1,589.0	1,436.8	1,379.9
Fish, seafood (excl marine mammals) & preparations	505.0	444.9	409.5	406.7	512.0	492.2	459.9
Vegetables & fruits	396.5	388.8	411.6	459.6	484.1	505.2	520.3
Beverages & Tobacco	3,789.6	4,354.7	4,619.0	4,774.3	5,427.2	5,349.2	5,196.6
Beverages	2,913.7	3,311.6	3,501.4	3,506.7	3,749.7	3,711.1	3,688.4
Tobacco & manufactures	875.9	1,043.1	1,117.6	1,267.6	1,677.5	1,638.1	1,508.1
Crude Materials	3,315.2	3,030.6	3,643.2	3,472.5	3,572.3	3,942.6	4,471.9
Metalliferous ores & metal scrap	1,294.5	1,303.9	1,340.8	1,356.5	1,172.7	1,072.4	1,256.4
Crude rubber	872.5	647.4	581.0	691.8	1,156.2	1,376.7	1,841.1
Crude fertilizers & minerals (excl coal petroleum & precious stones)	372.6	341.1	701.7	395.8	281.9	322.3	281.8
Crude animal & vegetable materials nes	230.4	229.9	281.1	247.6	208.6	203.9	205.7
Mineral Fuels & Lubricants	136,773.7	130,900.7	124,961.7	122,863.1	81,829.1	69,238.5	90,182.2
Petroleum & products [1] & related materials	136,470.1	130,406.8	124,640.9	122,496.3	81,466.2	68,904.8	89,541.3
Animal & Vegetable Oils	546.1	403.2	367.7	351.5	274.8	249.1	261.5
Fixed vegetable fats & oils, crude, refined or fractionated	433.5	279.5	243.5	227.3	168.5	148.0	162.5
Animal or vegetable fats & oils [2] nes	100.3	107.6	102.3	103.0	89.7	85.2	84.9
Chemicals & Chemical Products	64,776.9	67,517.9	63,521.2	67,251.4	65,613.8	64,506.6	70,219.9
Organic chemicals	26,091.7	24,959.8	22,109.1	22,257.5	21,398.0	20,637.3	20,895.3
Plastics in primary forms	14,135.3	14,539.9	15,206.1	17,805.6	15,824.6	15,474.7	17,310.4
Medicinal & pharmaceutical products	8,847.5	11,431.5	9,998.0	10,411.7	10,477.7	9,270.0	9,684.3
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	6,087.6	6,400.5	6,172.8	6,383.2	6,842.1	7,799.4	9,775.6

(continued on the next page)

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Manufactured Goods	20,123.8	19,144.6	20,157.8	21,563.7	19,585.6	17,947.8	17,976.1
Non-ferrous metals	4,546.8	3,779.7	4,215.2	4,354.2	4,645.7	3,728.2	3,778.9
Iron & steel	4,694.1	4,770.8	4,476.7	4,310.3	3,209.8	2,617.5	2,501.8
Manufactures of metals nes	4,433.0	4,449.3	4,870.7	4,953.9	4,395.7	3,937.6	4,186.7
Non-metallic mineral manufactures nes	1,977.4	1,545.4	2,093.6	3,452.7	2,785.6	3,321.8	2,925.0
Textile yarn, fabrics, made-up articles nes & related products	1,069.5	1,015.5	1,129.3	1,121.2	1,064.7	1,036.2	983.3
Paper, paperboard & articles of paper pulp or paperboard pulp	1,792.0	1,975.3	1,983.7	2,011.7	2,031.7	1,966.9	2,216.6
Rubber manufactures nes	1,258.7	1,299.8	1,058.2	1,046.2	1,026.2	995.0	1,061.3
Machinery & Equipment	235,345.6	230,884.9	237,685.1	237,385.1	243,737.6	236,033.7	252,430.0
Electronics	157,916.7	153,270.4	161,591.7	161,803.4	165,382.1	157,766.0	169,606.3
Integrated circuits	88,296.6	87,410.2	96,332.2	98,813.3	100,754.5	96,443.3	107,735.6
Parts of personal computers	21,484.3	18,442.0	15,876.0	13,768.4	12,851.1	11,194.4	12,041.9
Disk drives	4,524.1	5,116.9	4,550.8	4,190.4	4,334.8	3,425.0	3,357.7
Telecommunications equipment [3]	9,623.2	10,047.4	10,038.0	10,093.5	13,423.3	13,111.4	13,047.0
Consumer electronics [4]	5,015.8	4,395.3	4,245.4	3,767.6	3,316.1	3,446.3	3,509.0
Personal computers	5,051.3	5,593.6	6,583.5	6,658.0	8,318.2	7,689.9	7,491.0
Parts of integrated circuits	6,779.1	6,124.9	7,639.3	7,223.3	3,357.3	2,706.8	2,695.6
Diodes and transistors	9,390.9	8,280.9	8,548.3	10,083.6	11,650.0	12,406.9	11,312.7
Non-electronics	77,428.9	77,614.5	76,093.4	75,581.7	78,355.5	78,267.7	82,823.7
Electrical circuit apparatus	7,264.5	7,325.8	6,557.7	6,134.5	5,884.0	5,973.7	6,197.2
Electrical machinery nes	6,908.2	6,739.5	6,240.9	7,060.5	8,067.4	8,079.4	8,900.6
Miscellaneous Manufactures	35,582.9	38,615.1	40,525.6	41,002.7	41,897.3	42,970.6	45,846.3
Professional scientific & controlling instruments & apparatus nes	11,411.6	13,233.3	14,278.8	14,813.7	15,365.8	15,808.5	17,641.8
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	4,123.1	4,343.7	4,738.9	4,941.3	5,137.2	4,691.7	5,055.2
Articles of apparel & clothing accessories	1,495.6	1,667.9	1,591.2	1,704.7	1,854.6	1,930.1	2,119.2
Miscellaneous manufactured articles nes	17,043.6	17,845.0	17,058.0	16,719.5	17,369.7	17,828.3	18,169.7
Miscellaneous	16,353.6	18,272.4	22,962.1	19,171.3	21,658.9	18,811.5	20,409.2

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Total	281,729.3	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3	259,301.9
Food	4,108.5	4,202.6	4,948.3	5,867.1	5,746.3	5,752.8	5,922.1
Coffee, tea, cocoa, spices & manufactures	959.4	852.0	853.2	999.2	874.0	885.9	865.1
Fish, seafood (excl marine mammals) & preparations	194.5	183.6	153.2	143.9	159.9	190.2	198.3
Vegetables & fruits	31.7	37.4	43.4	48.7	52.1	47.4	48.1
Beverages & Tobacco	457.6	554.7	579.1	655.0	1,026.3	854.4	643.4
Beverages	195.5	239.3	241.5	240.1	254.3	243.0	214.0
Tobacco & manufactures	262.1	315.5	337.6	414.9	771.9	611.4	429.5
Crude Materials	1,705.6	1,654.3	1,798.3	2,073.9	2,044.9	2,113.7	2,642.2
Metalliferous ores & metal scrap	1,208.9	1,224.9	1,267.9	1,262.0	1,114.0	1,016.1	1,181.7
Crude rubber	5.9	7.1	92.3	409.5	594.7	714.6	1,036.6
Crude fertilizers & minerals (excl coal petroleum & precious stones)	140.1	126.9	167.6	128.6	85.5	136.8	181.0
Crude animal & vegetable materials nes	56.2	54.5	47.7	51.9	51.6	41.1	34.5
Mineral Fuels & Lubricants	103,953.9	106,814.5	106,476.6	106,986.8	72,503.8	63,374.8	84,566.1
Petroleum & products [1] & related materials	103,651.7	106,322.8	106,157.6	106,622.3	72,240.8	63,107.5	84,200.8
Animal & Vegetable Oils	236.8	226.8	227.6	217.4	163.0	155.3	169.1
Fixed vegetable fats & oils, crude, refined or fractionated	130.7	108.1	109.9	98.2	65.3	62.0	76.4
Animal or vegetable fats & oils [2] nes	97.3	105.1	98.5	98.9	81.9	79.3	79.4
Chemicals & Chemical Products	48,450.8	50,685.7	46,396.6	49,382.2	47,629.0	45,250.5	48,180.2
Organic chemicals	23,006.0	22,082.1	19,064.3	19,058.6	18,840.5	18,288.6	18,572.7
Plastics in primary forms	9,383.3	9,050.4	10,346.6	13,033.0	11,668.8	10,759.6	11,781.6
Medicinal & pharmaceutical products	7,632.3	10,169.1	8,501.1	8,971.4	8,157.8	6,929.6	7,122.4
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	2,557.7	2,976.5	2,358.0	2,017.3	2,091.9	2,177.9	2,579.4

(continued on the next page)

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Manufactured Goods	6,932.1	5,980.0	6,243.2	6,507.4	6,094.5	5,547.6	5,569.4
Non-ferrous metals	1,059.9	785.7	744.8	878.9	730.7	666.7	737.2
Iron & steel	870.1	799.1	735.1	845.7	689.7	645.6	612.5
Manufactures of metals nes	2,005.5	1,937.8	2,340.5	2,389.2	2,056.0	1,814.3	2,046.9
Non-metallic mineral manufactures nes	1,121.9	665.3	541.1	437.7	590.3	569.7	408.7
Textile yarn, fabrics, made-up articles nes & related products	331.4	324.4	367.2	420.2	424.9	401.1	426.8
Paper, paperboard & articles of paper pulp or paperboard pulp	1,070.8	1,065.9	1,046.7	1,064.6	1,133.9	1,011.3	862.6
Rubber manufactures nes	332.1	275.1	309.2	324.4	325.3	313.3	347.1
Machinery & Equipment	91,057.6	87,557.9	78,863.5	73,567.0	75,867.4	72,538.0	78,877.4
Electronics	56,135.0	53,590.9	48,871.9	44,058.7	44,045.1	41,952.1	45,281.6
Integrated circuits	25,436.3	25,006.0	22,534.7	20,863.1	21,906.6	21,822.3	25,847.6
Parts of personal computers	11,051.3	9,643.4	7,084.1	5,528.9	4,420.4	4,071.6	4,215.5
Disk drives	2,801.5	3,103.8	2,440.4	1,910.0	1,670.3	1,146.1	949.5
Telecommunications equipment [3]	1,932.1	2,644.0	1,528.9	1,453.9	2,220.8	2,176.0	2,016.4
Consumer electronics [4]	1,183.4	1,163.8	1,214.7	843.2	640.0	849.7	793.2
Personal computers	2,338.0	2,461.3	3,698.4	3,784.1	5,187.9	4,522.7	4,568.3
Parts of integrated circuits	4,730.3	3,804.1	4,259.9	3,933.8	1,465.9	1,246.2	1,355.3
Diodes and transistors	3,777.6	2,991.6	3,278.5	3,412.2	3,940.6	3,869.4	3,458.9
Non-electronics	34,922.6	33,967.1	29,991.6	29,508.3	31,822.3	30,585.9	33,595.9
Electrical circuit apparatus	2,961.0	3,001.2	2,800.3	2,316.8	2,115.5	1,905.4	2,031.5
Electrical machinery nes	3,017.8	3,012.8	2,447.7	2,911.0	2,993.1	3,007.0	3,976.7
Miscellaneous Manufactures	20,727.1	22,127.9	21,159.8	19,800.9	19,859.9	19,909.5	21,683.5
Professional scientific & controlling instruments & apparatus nes	6,803.6	7,789.7	8,175.7	8,014.2	8,097.9	8,247.2	9,389.2
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	1,498.4	1,609.7	1,494.6	1,674.7	1,707.8	1,487.6	1,800.2
Articles of apparel & clothing accessories	184.1	163.2	178.0	165.9	141.2	184.6	172.8
Miscellaneous manufactured articles nes	11,854.4	12,200.4	9,746.5	9,570.1	9,579.5	9,645.7	10,008.0
Miscellaneous	4,099.2	5,364.4	4,523.8	4,720.4	6,797.8	8,436.8	11,048.5

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Total	241,541.3	234,185.3	254,290.4	256,289.3	254,083.3	242,978.4	255,698.9
Food	2,554.6	2,027.4	2,115.4	2,364.6	2,473.4	2,109.0	2,085.1
Coffee, tea, cocoa, spices & manufactures	946.1	593.4	541.4	719.2	715.0	550.9	514.9
Fish, seafood (excl marine mammals) & preparations	310.4	261.4	256.3	262.8	352.1	302.1	261.6
Vegetables & fruits	364.8	351.5	368.1	410.8	432.0	457.8	472.2
Beverages & Tobacco	3,332.0	3,800.0	4,040.0	4,119.3	4,400.9	4,494.8	4,553.1
Beverages	2,718.2	3,072.4	3,259.9	3,266.6	3,495.4	3,468.1	3,474.5
Tobacco & manufactures	613.8	727.6	780.0	852.6	905.5	1,026.7	1,078.7
Crude Materials	1,609.6	1,376.3	1,844.9	1,398.6	1,527.3	1,829.0	1,829.7
Metalliferous ores & metal scrap	85.6	79.0	72.9	94.6	58.8	56.3	74.8
Crude rubber	866.6	640.3	488.7	282.3	561.5	662.1	804.6
Crude fertilizers & minerals (excl coal petroleum & precious stones)	232.6	214.3	534.1	267.2	196.4	185.5	100.8
Crude animal & vegetable materials nes	174.3	175.4	233.4	195.7	157.0	162.8	171.2
Mineral Fuels & Lubricants	32,819.7	24,086.2	18,485.2	15,876.3	9,325.3	5,863.7	5,616.1
Petroleum & products & related materials	32,818.4	24,084.0	18,483.3	15,873.9	9,225.4	5,797.3	5,340.5
Animal & Vegetable Oils	309.3	176.4	140.0	134.2	111.8	93.9	92.5
Fixed vegetable fats & oils, crude, refined or fractionated	302.7	171.4	133.6	129.0	103.1	86.0	86.1
Animal or vegetable fats & oils [1] nes	3.0	2.4	3.8	4.1	7.7	5.9	5.5
Chemicals & Chemical Products	16,326.1	16,832.2	17,124.6	17,869.2	17,984.8	19,256.1	22,039.7
Organic chemicals	3,085.8	2,877.8	3,044.8	3,198.9	2,557.5	2,348.7	2,322.6
Plastics in primary forms	4,752.1	5,489.6	4,859.5	4,772.6	4,155.8	4,715.1	5,528.8
Medicinal & pharmaceutical products	1,215.2	1,262.4	1,496.8	1,440.3	2,319.9	2,340.4	2,561.9
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	3,529.9	3,424.0	3,814.9	4,365.8	4,750.2	5,621.5	7,196.1

(continued on the next page)

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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	2011	2012	2013	2014	2015	2016	2017
Manufactured Goods	13,191.7	13,164.7	13,914.6	15,056.3	13,491.1	12,400.2	12,406.7
Non-ferrous metals	3,486.9	2,994.0	3,470.4	3,475.3	3,915.0	3,061.5	3,041.7
Iron & steel	3,823.9	3,971.7	3,741.6	3,464.7	2,520.1	1,971.9	1,889.3
Manufactures of metals nes	2,427.5	2,511.4	2,530.1	2,564.7	2,339.7	2,123.3	2,139.8
Non-metallic mineral manufactures nes	855.6	880.1	1,552.4	3,015.1	2,195.4	2,752.1	2,516.3
Textile yarn, fabrics, made-up articles nes & related products	738.0	691.1	762.1	701.0	639.8	635.2	556.5
Paper, paperboard & articles of paper pulp or paperboard pulp	721.2	909.4	937.0	947.0	897.8	955.6	1,354.0
Rubber manufactures nes	926.6	1,024.7	749.0	721.8	700.8	681.6	714.3
Machinery & Equipment	144,288.0	143,327.0	158,821.6	163,818.1	167,870.2	163,495.8	173,552.5
Electronics	101,781.7	99,679.5	112,719.9	117,744.7	121,337.1	115,813.9	124,324.7
Integrated circuits	62,860.3	62,404.3	73,797.5	77,950.2	78,847.9	74,621.0	81,888.0
Parts of personal computers	10,433.1	8,798.6	8,791.8	8,239.5	8,430.7	7,122.8	7,826.4
Disk drives	1,722.6	2,013.2	2,110.4	2,280.4	2,664.5	2,278.9	2,408.2
Telecommunications equipment [2]	7,691.1	7,403.4	8,509.2	8,639.6	11,202.5	10,935.4	11,030.6
Consumer electronics [3]	3,832.4	3,231.6	3,030.7	2,924.4	2,676.1	2,596.6	2,715.8
Personal computers	2,713.3	3,132.2	2,885.2	2,873.9	3,130.3	3,167.2	2,922.7
Parts of integrated circuits	2,048.9	2,320.8	3,379.4	3,289.4	1,891.4	1,460.6	1,340.4
Diodes and transistors	5,613.3	5,289.2	5,269.8	6,671.4	7,709.4	8,537.5	7,853.8
Non-electronics	42,506.3	43,647.4	46,101.7	46,073.4	46,533.1	47,681.8	49,227.9
Electrical circuit apparatus	4,303.5	4,324.6	3,757.4	3,817.7	3,768.4	4,068.4	4,165.7
Electrical machinery nes	3,890.4	3,726.7	3,793.2	4,149.4	5,074.3	5,072.4	4,923.9
Miscellaneous Manufactures	14,855.8	16,487.2	19,365.8	21,201.7	22,037.3	23,061.1	24,162.9
Professional scientific & controlling instruments & apparatus nes	4,608.0	5,443.6	6,103.1	6,799.5	7,267.9	7,561.3	8,252.5
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	2,624.7	2,734.0	3,244.3	3,266.6	3,429.4	3,204.1	3,254.9
Articles of apparel & clothing accessories	1,311.5	1,504.6	1,413.3	1,538.8	1,713.4	1,745.4	1,946.4
Miscellaneous manufactured articles nes	5,189.2	5,644.6	7,311.5	7,149.4	7,790.2	8,182.6	8,161.7
Miscellaneous	12,254.4	12,908.0	18,438.3	14,450.9	14,861.1	10,374.8	9,360.6

Source : Enterprise Singapore

Notes : Data are based on Standard International Trade Classification Rev 4.1 and consistent with the ASEAN Harmonised Tariff Nomenclature 2017 version.

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

	2011	2012	2013	2014	2015	2016	2017
Total Trade in Services	301,344.2	330,454.9	368,169.1	410,999.9	442,770.0	442,672.6	463,265.5
Exports of Services	151,040.0	162,428.4	179,248.9	197,605.0	213,440.4	218,195.7	227,410.2
Imports of Services	150,304.2	168,026.5	188,920.2	213,394.9	229,329.6	224,476.9	235,855.3

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

	2011	2012	2013	2014	2015	2016	2017
Exports Of Services	151,040.0	162,428.4	179,248.9	197,605.0	213,440.4	218,195.7	227,410.2
Maintenance And Repair Services	9,343.9	9,053.1	10,769.1	9,856.2	9,318.5	9,275.5	10,167.2
Transport	53,709.9	55,942.4	58,657.7	65,657.3	65,067.2	59,834.9	63,240.4
Freight	41,607.6	43,224.7	46,778.6	52,637.1	51,938.4	46,516.9	48,795.6
Others	12,102.3	12,717.7	11,879.1	13,020.2	13,128.8	13,318.0	14,444.8
Travel	22,551.2	23,487.3	24,063.3	24,277.4	22,845.5	26,173.7	27,213.6
Insurance	4,860.2	4,537.4	5,125.8	6,284.5	8,646.4	8,123.4	8,774.3
Government Goods And Services	344.3	360.3	382.3	377.5	384.8	377.6	380.9
Construction	1,941.0	2,006.6	2,219.9	1,558.6	1,256.4	1,428.3	1,308.4
Financial	19,128.7	20,694.6	23,613.6	26,664.5	28,834.2	30,156.1	31,461.7
Telecommunications, Computer & Information	6,239.9	8,392.8	9,621.7	10,211.8	12,714.2	16,074.4	15,616.7
Charges For The Use Of Intellectual Property	2,089.9	2,320.4	3,974.4	4,790.1	12,109.0	10,213.3	11,428.7
Personal, Cultural And Recreational	854.9	907.1	944.9	1,109.9	1,161.2	1,148.3	1,183.4
Other Business Services	29,976.1	34,726.4	39,876.2	46,817.2	51,103.0	55,390.2	56,634.9
Accounting	402.3	407.3	400.3	332.2	307.3	333.1	335.2
Advertising And Market Research	1,806.8	2,857.6	4,770.2	7,954.3	10,245.1	14,128.1	14,218.1
Architectural	302.0	354.1	312.5	389.6	382.0	341.3	343.4
Business Management	14,651.8	16,486.2	19,455.2	19,818.3	21,015.6	22,090.6	22,226.2
Engineering And Technical	3,397.2	4,195.5	5,059.4	6,054.6	5,246.5	5,052.3	5,560.9
Legal	558.1	600.1	643.4	676.8	766.8	861.2	866.8
Research And Development	635.6	719.4	1,109.1	869.2	1,000.1	953.6	1,049.6
Operating Leasing	2,716.2	3,114.3	3,514.0	4,866.7	5,746.9	5,760.4	6,034.3
Trade-related	4,808.3	5,489.9	3,928.1	4,899.9	5,469.1	4,929.1	5,043.4
Others	697.8	502.0	684.0	955.6	923.6	940.5	957.0

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15.13 IMPORTS OF SERVICES BY SERVICES CATEGORY

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Imports Of Services	150,304.2	168,026.5	188,920.2	213,394.9	229,329.6	224,476.9	235,855.3
Maintenance And Repair Services	872.3	837.0	845.2	880.7	1,003.8	1,009.6	1,026.5
Transport	41,990.2	44,816.7	48,739.7	59,037.2	65,681.0	60,961.6	65,280.4
Freight	26,450.9	26,572.5	29,422.7	37,798.2	43,697.2	39,063.3	42,677.6
Others	15,539.3	18,244.2	19,317.0	21,239.0	21,983.8	21,898.3	22,602.8
Travel	26,924.5	28,894.2	30,510.4	32,333.6	32,586.6	32,933.0	33,892.1
Insurance	5,699.9	5,993.5	6,017.9	5,164.7	7,611.2	8,830.4	9,776.1
Government Goods And Services	260.8	256.8	287.0	295.1	274.7	310.4	294.2
Construction	944.0	944.0	972.4	692.7	656.3	688.0	652.1
Financial	3,915.1	4,034.2	4,647.2	5,479.9	6,049.5	6,142.5	6,176.5
Telecommunications, Computer & Information	7,095.9	9,410.1	11,756.1	19,779.2	14,855.6	17,388.8	17,458.9
Charges For The Use Of Intellectual Property	25,111.6	28,322.5	28,641.3	26,336.9	30,071.2	25,561.6	27,381.5
Personal, Cultural And Recreational	716.4	710.1	698.8	790.8	844.4	854.0	879.4
Other Business Services	36,773.5	43,807.4	55,804.2	62,604.1	69,695.3	69,797.0	73,037.6
Accounting	222.2	270.8	260.1	290.8	331.3	393.8	396.3
Advertising And Market Research	2,390.5	2,988.5	3,016.5	3,286.8	3,594.7	4,056.7	4,082.5
Architectural	62.5	84.6	78.8	56.9	46.9	64.8	65.3
Business Management	13,240.0	14,307.0	15,486.3	16,997.7	18,327.9	18,102.4	18,215.6
Engineering And Technical	1,966.9	2,340.1	2,755.6	3,337.6	3,277.2	3,444.8	3,791.8
Legal	234.7	663.9	262.6	298.7	315.5	329.3	331.4
Research And Development	4,528.2	5,410.0	12,057.5	10,752.8	17,566.5	15,188.4	16,518.1
Operating Leasing	1,635.9	3,109.3	4,364.0	7,497.4	4,855.2	4,977.0	5,213.7
Trade-related	7,731.7	9,123.7	10,768.9	11,973.7	12,225.0	14,454.6	14,797.9
Others	4,760.9	5,509.5	6,753.9	8,111.7	9,155.1	8,785.2	9,625.0

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15.14 EXPORTS OF SERVICES BY MAJOR TRADING PARTNER

Million Dollars

Trading Partner	2010	2011	2012	2013	2014	2015	2016
Asia	47,943.5	49,625.1	51,410.7	56,339.0	63,928.1	70,440.7	71,951.1
Brunei Darussalam	507.6	474.2	474.8	477.1	543.5	492.5	457.2
Cambodia	78.7	109.6	115.1	89.7	87.3	115.5	117.4
China	7,814.8	7,146.7	7,578.6	9,362.0	11,417.6	11,942.6	11,179.1
Hong Kong	4,925.8	5,126.7	5,178.2	5,182.4	5,885.6	7,007.3	7,404.8
India	4,241.6	4,328.0	4,434.6	4,947.0	4,557.5	4,739.3	4,850.4
Indonesia	3,410.9	3,641.3	4,203.6	4,597.2	4,873.4	5,168.5	5,113.0
Japan	6,835.4	7,913.1	8,376.3	9,546.1	11,691.3	14,458.8	15,963.6
Korea, Republic of	2,542.7	2,646.1	2,746.5	2,910.5	3,628.3	3,521.4	3,095.4
Malaysia	3,697.8	4,039.8	4,407.3	4,602.4	5,178.8	5,631.8	5,617.8
Myanmar	179.3	220.4	229.1	374.0	380.0	441.4	449.7
Philippines	1,164.3	1,251.9	1,243.1	1,383.8	1,722.0	1,921.5	1,873.9
Saudi Arabia	617.5	746.2	560.2	602.5	601.1	580.8	532.2
Taiwan	2,567.9	2,180.7	2,108.7	2,219.7	2,691.0	2,610.8	2,775.1
Thailand	2,601.1	2,759.6	3,380.3	3,483.1	3,830.4	4,162.8	3,938.7
United Arab Emirates	1,745.0	1,708.9	1,883.0	1,699.4	1,677.2	1,725.8	2,173.7
Viet Nam	959.0	1,337.0	1,518.0	1,743.4	1,992.5	2,338.2	2,397.0
Europe	26,460.2	29,789.4	31,954.1	36,839.4	39,695.8	45,710.6	48,394.4
Belgium	508.0	483.4	395.8	511.8	606.4	586.6	544.9
Denmark	1,963.6	1,840.4	1,534.7	1,605.9	1,633.0	1,876.2	2,285.0
France	1,462.0	1,414.9	1,572.1	1,686.1	1,889.0	2,328.2	2,278.7
Germany	3,210.5	3,512.7	3,478.1	3,828.8	3,965.6	3,396.2	3,725.7
Italy	496.7	571.4	686.2	710.1	764.9	699.6	678.0
Netherlands	2,533.4	2,473.4	2,437.5	2,784.3	2,998.0	3,190.5	3,162.7
Norway	1,746.6	1,506.7	1,692.7	2,063.3	2,300.2	2,551.8	2,210.3
Switzerland	2,471.4	3,332.0	4,262.9	5,074.9	6,056.3	6,826.5	6,822.2
United Kingdom	7,575.1	8,230.0	8,337.8	10,692.5	11,176.4	10,377.4	10,257.5
North America	17,099.3	17,673.1	20,249.5	21,751.0	23,674.9	24,388.5	24,666.2
United States of America	15,968.8	16,503.4	19,075.6	20,493.4	22,286.5	23,117.9	23,361.0
Canada	1,129.0	1,167.6	1,171.3	1,257.4	1,387.5	1,264.6	1,302.3
Oceania	10,455.6	12,497.6	14,354.1	15,338.3	17,077.8	17,672.0	20,035.7
Australia	8,866.9	10,515.6	11,633.4	12,326.3	14,112.9	14,289.3	16,480.0
New Zealand	855.8	1,032.0	1,307.8	1,512.0	1,704.5	2,080.9	2,254.0

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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	2010	2011	2012	2013	2014	2015	2016
South and Central America and the Caribbean	4,151.8	5,065.7	5,608.7	7,111.5	8,166.5	8,603.9	7,637.5
Panama	279.9	237.0	359.8	359.5	364.5	428.8	296.6
Africa	2,014.7	2,504.3	2,821.6	4,682.2	6,027.5	7,620.2	4,224.6
South Africa	379.8	411.1	434.9	634.2	606.3	570.2	501.5
ASEAN [1]	12,730.8	13,926.8	15,643.4	16,771.2	18,648.4	20,337.0	20,017.0
European Union (EU-28) [2]	20,765.4	23,677.1	24,646.4	28,178.6	30,087.7	35,217.1	38,024.4

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	2010	2011	2012	2013	2014	2015	2016
Asia	32,179.9	36,176.3	37,865.5	42,197.7	50,716.4	54,998.8	57,869.5
Brunei Darussalam	38.9	43.7	61.2	51.5	57.3	71.1	100.0
Cambodia	111.5	133.9	129.0	66.7	68.8	82.9	93.9
China	5,347.7	6,694.8	7,226.6	8,247.4	10,759.9	11,168.9	10,086.8
Hong Kong	4,307.3	4,014.2	4,269.6	5,182.5	7,964.2	9,105.4	9,449.7
India	2,907.5	3,076.2	3,130.7	3,598.0	3,911.1	3,994.4	5,275.0
Indonesia	1,826.0	1,813.6	1,907.2	2,001.3	2,078.3	2,266.7	2,221.0
Japan	5,720.9	7,099.8	6,862.1	6,783.6	7,277.7	7,545.1	8,066.2
Korea, Republic of	1,867.6	2,235.5	2,509.9	2,740.4	3,490.6	3,565.4	3,901.0
Malaysia	2,132.4	2,349.0	2,623.4	2,812.7	2,920.3	3,377.5	3,737.9
Myanmar	75.3	77.2	82.2	153.2	161.0	219.7	280.3
Philippines	750.8	911.0	896.2	1,219.9	1,022.4	1,216.0	1,469.6
Saudi Arabia	146.5	211.9	167.0	188.7	257.5	625.5	419.3
Taiwan	2,320.5	2,522.7	2,426.4	2,792.7	3,676.6	3,873.0	4,199.7
Thailand	1,375.6	1,471.7	1,561.9	1,592.6	2,117.4	2,394.3	2,508.8
United Arab Emirates	1,107.5	1,302.6	1,461.9	1,939.0	1,864.3	2,000.0	2,416.7
Viet Nam	672.9	746.2	930.0	903.8	947.7	947.7	1,069.0
Europe	27,346.4	31,874.7	35,385.4	45,099.6	50,836.3	53,397.2	47,059.8
Belgium	242.2	388.6	366.0	586.7	754.6	753.7	629.0
Denmark	768.3	965.8	1,120.4	1,363.8	1,502.4	1,702.4	1,553.9
France	2,186.8	2,562.6	3,126.7	3,632.7	4,207.0	3,909.3	4,025.8
Germany	2,594.1	3,065.7	2,806.9	3,176.8	3,715.0	3,388.0	3,602.2
Italy	367.5	519.3	467.9	475.0	973.0	537.1	720.7
Netherlands	6,707.7	6,389.2	7,904.2	9,520.9	9,577.8	12,410.8	11,050.3
Norway	1,020.5	1,050.8	985.1	1,224.6	1,354.5	1,341.0	1,270.2
Switzerland	2,571.9	3,553.6	4,312.7	5,975.4	5,932.3	6,790.7	6,196.8
United Kingdom	7,647.3	8,229.9	7,498.3	8,503.3	6,716.3	7,250.6	6,691.9
North America	25,498.3	21,398.1	30,108.1	31,193.2	37,310.9	46,276.5	44,851.0
United States of America	24,729.7	20,687.5	29,149.5	30,059.9	35,877.4	45,167.9	43,707.2
Canada	594.7	710.6	763.3	1,133.2	1,247.2	1,105.9	1,119.5
Oceania	3,856.0	5,465.8	6,430.0	7,321.4	7,896.9	8,591.4	9,106.1
Australia	3,121.5	4,308.3	4,796.2	5,443.9	5,587.3	5,339.3	5,647.4
New Zealand	335.5	547.3	786.4	779.5	749.0	991.6	726.2

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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	2010	2011	2012	2013	2014	2015	2016
South and Central America and the Caribbean	8,156.5	11,771.1	13,416.9	16,548.6	15,564.6	12,083.8	13,505.0
Panama	476.8	457.1	522.6	956.0	1,245.8	1,216.6	1,466.6
Africa	1,140.8	1,508.5	1,780.9	2,681.7	3,361.6	3,194.2	3,125.8
South Africa	147.9	163.0	237.1	331.0	350.9	328.8	282.6
ASEAN [1]	7,021.0	7,608.2	8,234.2	8,997.2	9,385.7	10,586.1	11,496.8
European Union (EU-28) [2]	22,729.7	25,980.8	28,565.9	35,770.2	40,906.0	42,270.8	36,925.8

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

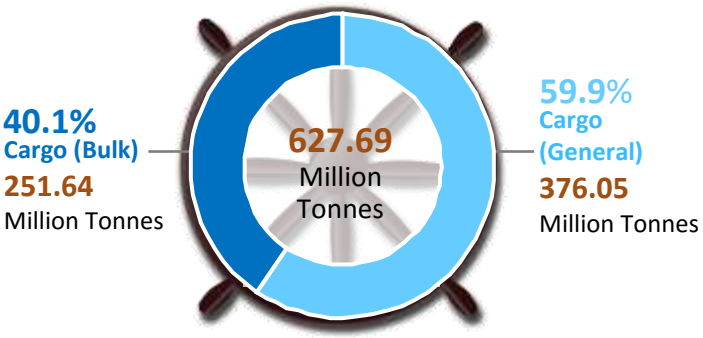
Maritime Statistics

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, 2017



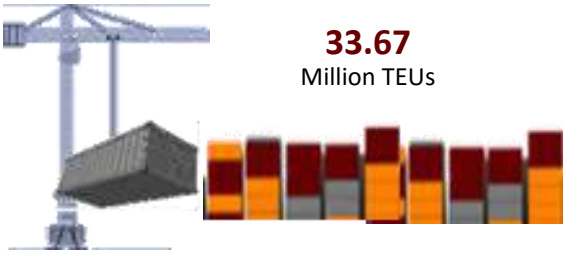
Definitions

Vessel arrivals: Refers to the number of vessels exceeding 75 Gross Tonnage that arrive at the Port of Singapore during the year.

Total cargo throughput: Refers to the total volume of cargo loaded and unloaded at the Port of Singapore. The figures include transhipment 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 transhipment containers.

Container Throughput, 2017



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.

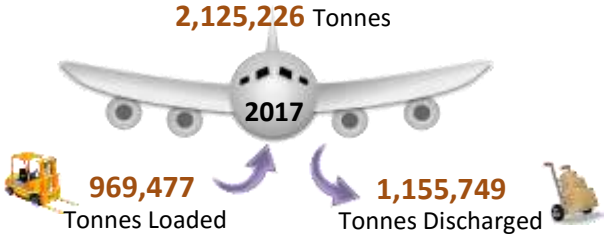
Civil Air Traffic

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.

Air Cargo Handled [1], 2017

2,125,226 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, 2017

9,293 Lane-km

Definitions

Expressways: Refer to roads that provide planned long-distance mobility from one part of the island to another without the interruption of traffic lights.

Arterial Roads: Refer to roads connecting an expressway with roads surrounding or passing through estate developments. They also improve traffic circulation between adjacent towns.

Collector Roads: Refer to roads forming links between local roads and arterial roads and providing links to building or land developments.

[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.

Local Access Roads: Refer 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 the roads of Singapore.

Total Casualties Fatalities, 2017	Total Casualties Injured, 2017
121	9,953

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], 2017

961,842

[3] Include vehicles which are exempted from Vehicle Quota System and all other taxes.

16.1 SEA CARGO AND SHIPPING STATISTICS

	Unit	2011	2012	2013	2014	2015	2016	2017
Total Cargo	'000 Tonnes	531,176	538,012	560,888	581,268	575,846	593,297	627,688
General	'000 Tonnes	335,511	353,542	365,116	384,418	361,859	353,244	376,046
Bulk	'000 Tonnes	195,665	184,471	195,772	196,850	213,987	240,053	251,642
Total Container Throughput	'000 TEUs	29,938	31,649	32,579	33,869	30,922	30,904	33,667
Bunker Sales	'000 Tonnes	43,154	42,685	42,682	42,417	45,155	48,615	50,636
Singapore Registry of Ships	No.	4,111	4,232	4,379	4,595	4,739	4,717	4,578
(End of Period)	'000 GT	57,360	65,018	73,615	82,249	86,300	88,023	88,808

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

	2011	2012	2013	2014	2015	2016	2017
	Number						
Total	127,998	130,422	139,417	134,883	132,922	138,998	145,147
Container [2]	19,290	18,567	17,798	17,219	17,722	17,932	17,663
Freighter [3]	8,530	8,103	7,990	7,591	7,900	8,686	7,427
Bulk Carrier [4]	13,093	13,722	14,530	14,803	16,560	16,960	16,011
Tanker [5]	22,280	22,230	22,617	22,218	22,062	23,695	24,411
Passenger [6]	33,863	36,618	44,492	41,934	38,868	41,717	45,329
Barge [7]	10,637	10,668	10,838	10,186	9,558	9,496	9,217
Tug [8]	11,065	11,102	11,732	11,101	10,891	11,343	10,887
Miscellaneous [9]	9,240	9,412	9,420	9,831	9,361	9,169	14,202
	Shipping Tonnage ('000 GT)						
Total	2,120,282	2,254,353	2,326,121	2,371,107	2,504,155	2,662,695	2,799,585
Container [2]	657,025	684,720	709,935	739,547	774,773	819,014	839,861
Freighter [3]	43,222	41,229	43,201	40,608	41,851	50,694	44,013
Bulk Carrier [4]	604,740	654,655	683,385	694,154	775,329	819,883	804,339
Tanker [5]	652,682	693,839	704,844	707,464	719,445	780,849	875,841
Passenger [6]	27,146	29,198	33,563	29,879	32,213	36,171	41,890
Barge [7]	17,255	18,174	18,959	17,562	15,763	15,177	14,619
Tug [8]	2,557	2,748	2,742	2,505	2,477	2,699	2,547
Miscellaneous	115,655	129,791	129,492	139,389	142,303	138,207	176,476

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]

	2011	2012	2013	2014	2015	2016	2017
	Number						
Cargo	51,515	50,562	50,288	49,890	48,842	49,830	54,120
Repairs	8,235	6,657	6,881	6,335	4,141	3,762	3,507
Bunkers	37,753	38,082	38,614	38,299	40,763	42,380	40,736
Supplies	22,685	24,166	26,334	27,340	29,756	31,265	30,946
Others	65,918	69,885	78,904	77,457	77,696	81,821	85,016
	Shipping Tonnage ('000 GT)						
Cargo	970,323	1,009,294	1,058,170	1,101,282	1,132,433	1,178,540	1,254,662
Repairs	37,267	34,886	34,076	40,247	40,898	30,221	33,714
Bunkers	1,544,991	1,643,832	1,692,737	1,691,125	1,784,106	1,884,256	1,961,110
Supplies	719,240	823,949	933,729	973,573	1,065,789	1,137,293	1,197,806
Others	720,272	810,699	920,117	1,076,411	1,230,833	1,274,139	1,350,888

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	2011	2012	2013	2014	2015	2016	2017
Aircraft								
Arrivals	No.	150,827	162,349	171,850	170,680	173,152	180,251	186,591
Departures	No.	150,884	162,373	171,915	170,706	173,182	180,239	186,610
Passengers								
Arriving	'000	22,778	25,056	26,500	26,669	27,491	29,204	30,960
Departing	'000	22,651	24,854	26,275	26,620	27,344	28,954	30,614
In Transit	'000	1,115	1,272	951	804	613	540	646
Mail								
In-coming	Tonnes	14,361	15,789	14,770	14,168	14,459	14,901	13,615
Out-going	Tonnes	19,235	19,844	20,973	22,163	19,386	21,990	26,158

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=15260

16.5 AIR CARGO DISCHARGED BY REGION/COUNTRY OF ORIGIN

Tonnes

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	983,110	975,842	995,808	1,004,559	1,015,296	1,083,999	1,155,749
South East Asia	162,933	161,444	150,642	162,186	155,838	163,745	177,038
Indonesia	63,787	58,058	57,735	57,303	53,803	55,215	51,675
Malaysia	17,529	14,457	13,836	15,331	16,711	17,401	17,303
Philippines	13,527	12,648	11,360	11,684	11,032	11,401	13,207
Thailand	52,470	57,062	46,545	53,929	51,299	53,440	64,405
Vietnam	12,904	15,370	16,865	19,468	18,336	20,292	23,151
North East Asia	455,946	458,739	465,479	478,074	470,155	486,635	521,409
China	140,730	152,143	153,717	154,635	147,863	152,348	169,646
Hong Kong	128,050	135,449	138,482	140,056	139,585	140,873	145,491
Japan	67,479	60,775	63,751	72,660	78,870	85,340	95,142
South Asia	64,206	62,796	70,103	64,752	62,486	71,894	81,400
Middle East	22,859	26,936	30,280	30,691	34,671	39,980	46,297
Oceania	83,869	85,871	93,229	97,156	121,314	133,401	130,985
Europe	158,544	150,280	160,725	151,968	152,347	163,696	171,653
France	9,714	8,208	8,446	9,095	8,748	8,113	9,622
Germany	25,349	25,276	27,567	16,807	14,681	15,680	17,800
United Kingdom	23,110	22,902	27,436	25,449	25,224	22,757	27,132
North America	30,467	25,183	21,510	16,678	15,885	19,010	21,530
Other Regions	4,285	4,593	3,840	3,055	2,598	3,059	3,262
Not Stated	na	na	na	na	na	2,579	2,174

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=15258

16.6 AIR CARGO LOADED BY REGION/COUNTRY OF DESTINATION

Tonnes

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	882,142	853,278	841,894	839,240	837,791	885,435	969,477
South East Asia	183,053	187,900	185,273	182,370	175,283	179,785	187,053
Indonesia	67,358	65,095	69,638	60,832	55,664	60,099	58,199
Malaysia	28,977	29,054	29,881	29,881	29,170	23,531	22,496
Philippines	15,332	16,487	16,144	20,316	20,439	20,387	20,964
Thailand	48,082	55,639	44,743	45,338	43,098	43,005	47,559
Vietnam	17,752	15,684	16,986	17,530	17,935	22,570	27,176
North East Asia	296,887	275,545	279,504	281,000	285,797	307,118	343,003
China	87,420	78,801	82,602	79,801	85,106	86,088	101,702
Hong Kong	70,945	70,264	73,352	73,503	74,262	86,108	81,968
Japan	69,615	65,373	61,167	67,106	68,171	67,485	72,987
South Asia	74,211	69,059	67,213	68,605	68,773	75,280	81,414
Middle East	30,974	33,049	35,047	34,591	37,790	40,048	47,335
Oceania	115,393	120,755	118,970	123,250	125,467	121,686	131,407
Europe	131,523	118,869	115,514	116,346	111,300	120,225	134,784
France	8,910	8,022	8,247	8,245	7,676	9,151	10,471
Germany	26,845	25,351	21,743	19,317	18,124	19,889	24,103
United Kingdom	30,048	31,723	33,908	35,370	35,720	37,537	37,798
North America	37,682	31,654	29,100	22,183	24,069	29,756	32,417
Other Regions	12,419	16,446	11,274	10,896	9,311	10,215	10,224
Not Stated	na	na	na	na	na	1,322	1,840

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=15256

16.7 AIR PASSENGER ARRIVALS BY REGION/COUNTRY OF EMBARKATION

Thousand

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	22,778	25,056	26,500	26,669	27,491	29,204	30,960
South East Asia	10,037	11,013	11,929	11,807	12,066	12,942	13,672
Indonesia	3,154	3,401	3,716	3,760	3,489	3,741	3,908
Malaysia	2,412	2,485	2,712	2,728	2,846	3,100	3,340
Philippines	1,191	1,251	1,279	1,273	1,314	1,353	1,394
Thailand	2,038	2,475	2,699	2,375	2,693	2,885	3,027
Vietnam	797	881	905	988	1,060	1,153	1,238
North East Asia	5,631	6,214	6,637	6,901	7,161	7,642	7,948
China	1,855	2,180	2,322	2,298	2,449	2,815	3,169
Hong Kong	1,701	1,717	1,716	1,870	1,843	1,827	1,710
Japan	914	1,049	1,209	1,286	1,362	1,402	1,389
South Asia	1,858	2,106	2,226	2,339	2,417	2,546	2,886
Middle East	461	530	605	639	749	795	805
Oceania	2,411	2,651	2,715	2,707	2,828	2,970	3,075
Europe	1,961	2,095	1,975	1,936	1,936	1,939	2,116
France	231	239	240	215	207	209	216
Germany	408	451	393	367	355	366	415
United Kingdom	692	722	633	594	602	601	644
North America	308	337	315	246	249	273	354
Other Regions	111	111	101	95	85	96	103

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=15249

16.8 AIR PASSENGER DEPARTURES BY REGION/COUNTRY OF DISEMBARKATION

Thousand

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	22,651	24,854	26,275	26,620	27,344	28,954	30,614
South East Asia	9,907	10,873	11,753	11,725	11,902	12,689	13,370
Indonesia	3,149	3,420	3,704	3,758	3,483	3,730	3,886
Malaysia	2,416	2,530	2,739	2,743	2,826	3,048	3,249
Philippines	1,156	1,189	1,236	1,238	1,285	1,336	1,391
Thailand	1,946	2,352	2,567	2,333	2,603	2,742	2,879
Vietnam	805	868	900	981	1,049	1,134	1,210
North East Asia	5,631	6,165	6,609	6,877	7,173	7,639	7,875
China	1,868	2,183	2,321	2,293	2,463	2,837	3,156
Hong Kong	1,691	1,684	1,692	1,846	1,829	1,793	1,677
Japan	906	1,044	1,212	1,287	1,388	1,410	1,390
South Asia	1,839	2,050	2,131	2,278	2,333	2,489	2,795
Middle East	448	545	623	643	742	786	800
Oceania	2,486	2,709	2,770	2,817	2,904	3,001	3,156
Europe	1,924	2,080	1,982	1,945	1,967	1,996	2,175
France	228	236	242	218	213	213	218
Germany	403	458	391	374	360	368	420
United Kingdom	658	693	629	586	603	635	674
North America	297	314	302	237	238	259	338
Other Regions	119	118	105	98	87	94	104

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=15253

16.9 PUBLIC ROADS

(End of Period)

Lane-Kilometres

	2011	2012	2013	2014	2015	2016	2017
Total Paved Roads	9,045	9,081	9,178	9,233	9,246	9,310	9,293
Expressways	1,059	1,059	1,093	1,093	1,093	1,107	1,107
Arterial Roads	3,027	3,054	3,100	3,146	3,147	3,175	3,177
Collector Roads	1,580	1,584	1,593	1,599	1,607	1,622	1,605
Local Access Roads	3,380	3,384	3,392	3,394	3,399	3,406	3,404

Source : Land Transport Authority

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14587

16.10 MOTOR VEHICLE POPULATION [1] BY TYPE OF VEHICLE

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Total	956,704	969,910	974,170	972,037	957,246	956,430	961,842
Cars [2]	592,361	605,149	607,292	600,176	575,353	552,427	546,706
Rental Cars	13,919	14,862	16,396	18,847	29,369	51,336	68,083
Taxis	27,051	28,210	27,695	28,736	28,259	27,534	23,140
Buses	17,046	17,162	17,509	17,554	18,183	18,804	19,285
Motorcycles & Scooters	146,559	144,110	144,934	145,026	143,900	143,052	141,916
Goods & Other Vehicles	159,768	160,417	160,344	161,698	162,182	163,277	162,712

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=15307

16.11 CAR POPULATION BY CC RATING

(End of Period)

Number

CC Rating	2011	2012	2013	2014	2015	2016	2017
Total	603,723	617,570	621,345	616,609	602,311	601,257	612,256
1,000 cc & below	6,622	6,490	6,364	6,189	5,799	4,821	5,388
1,001 to 1,600 cc	329,957	335,409	335,419	331,104	321,082	325,700	337,682
1,601 to 2,000 cc	157,846	162,217	164,768	164,424	162,791	165,042	171,499
2,001 to 3,000 cc	92,432	94,712	95,295	95,251	93,358	87,832	81,527
3,001 cc & above	16,866	18,742	19,499	19,641	19,281	17,862	16,160

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)

Number

Age (Years)	2011	2012	2013	2014	2015	2016	2017
Total	603,723	617,570	621,345	616,609	602,311	601,257	612,256
Below 1	27,748	27,297	21,952	28,547	57,387	87,157	91,614
1 - below 2	41,426	27,759	27,299	21,943	28,540	57,370	87,142
2 - below 3	68,512	41,439	27,747	27,288	21,932	28,523	57,335
3 - below 4	96,877	68,512	41,420	27,727	27,267	21,759	28,392
4 - below 5	105,783	96,822	68,488	41,402	27,701	27,144	21,269
5 - below 6	115,335	105,599	96,742	68,460	41,372	27,635	26,551
6 - below 7	87,554	115,056	105,403	96,674	68,437	41,318	27,412
7 - below 8	34,178	86,307	114,665	105,216	96,602	68,362	41,142
8 - below 9	11,710	29,983	84,212	113,962	104,943	96,263	68,076
9 - below 10	3,376	8,089	23,039	73,764	107,529	97,596	88,583
10 - below 11	588	368	628	1,840	9,561	28,820	28,487
11 - below 12	558	585	362	614	1,817	9,378	28,439
12 - below 13	501	558	582	357	592	1,749	8,728
13 - below 14	575	500	556	567	345	554	1,557
14 - below 15	464	559	493	533	526	305	458
15 & above	8,538	8,137	7,757	7,715	7,760	7,324	7,071

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=14562

16.13 ROAD TRAFFIC ACCIDENT CASUALTIES

Number

	2011	2012	2013	2014	2015	2016	2017
Total Casualties							
Fatalities	195	168	160	155	151	141	121
Injured	10,611	10,253	9,751	9,858	10,412	10,687	9,953
Pedestrians							
Fatalities	49	44	43	45	43	47	45
Injured	1,049	1,069	989	883	973	1,065	998
Cyclists & Pillions [1]							
Fatalities	15	16	15	15	17	20	15
Injured	513	442	436	503	606	594	589
Motor Cyclists & Pillion Riders							
Fatalities	99	76	73	74	72	62	44
Injured	5,003	4,800	4,383	4,634	4,928	5,102	4,803
Motor Vehicle Drivers & Passengers							
Cars & Station Wagons							
Fatalities	15	14	16	12	7	8	9
Injured	2,982	2,782	2,811	2,686	2,746	2,698	2,485
Goods Vans & Pick-Ups							
Fatalities	1	0	3	2	2	1	2
Injured	258	234	226	193	219	235	199
Lorries, Tipper Trucks & Trailers							
Fatalities	15	11	9	6	8	3	5
Injured	531	574	647	578	554	540	524
Buses							
Fatalities	1	4	1	0	2	0	1
Injured	245	320	243	342	358	415	333
Others							
Fatalities	0	3	0	1	0	0	0
Injured	30	32	16	39	28	38	22

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=15159

16.14 VEHICLES INVOLVED IN FATAL AND INJURY ROAD TRAFFIC ACCIDENTS BY TYPE OF VEHICLE

Number

	2011	2012	2013	2014	2015	2016	2017
Total	15,296	14,357	13,906	14,322	14,982	15,369	14,168
Bicycles and Power Assisted Bicycles	538	472	466	530	643	633	605
Motor Cycles & Scooters	4,801	4,572	4,231	4,506	4,694	4,913	4,619
Motor Cars & Station Wagons	7,308	6,821	6,637	6,723	6,930	7,172	6,680
Goods Vans & Pick-Ups	702	592	630	576	617	657	539
Lorries, Tipper Trucks & Trailers	1,364	1,345	1,361	1,384	1,413	1,321	1,128
Buses	496	465	499	505	568	572	494
Others	87	90	82	98	117	101	103

Source : Singapore Police Force

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14592

16.15 PUBLIC TRANSPORT OPERATION AND RIDERSHIP

	Unit	2011	2012	2013	2014	2015	2016	2017
Rail Length	km	175.3	177.7	182.0	183.0	199.6	199.6	228.1
Mass Rapid Transit (MRT)	km	146.5	148.9	153.2	154.2	170.8	170.8	199.3
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)	22,465	26,492	26,420	28,173	28,795	34,194	36,278
LRT Km Operated	Car-km ('000)	3,620	3,883	4,435	4,787	5,937	6,620	7,233
Average Daily Ridership								
MRT	'000 passenger-trips	2,295	2,525	2,623	2,762	2,871	3,095	3,122
LRT	'000 passenger-trips	111	124	132	137	153	180	190
Bus	'000 passenger-trips	3,385	3,481	3,601	3,751	3,891	3,939	3,952
Taxi	'000 passenger-trips	933	967	967	1,020	1,010	954	785

Source Land Transport Authority

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14582

17

InfoComm and Media

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, Television and Over-the-top Services

Mediacorp has the widest range of media platforms in Singapore, spanning digital, television, radio, and out-of-home media. It pioneered the development of Singapore's broadcasting industry, with the radio broadcast in 1936 and television broadcast in 1963. Mediacorp launched its over-the-top service, *Toggle*, in 2015. Today, the company has over 50 products and brands in four languages (English, Mandarin, Malay and Tamil), reaching out to virtually all audience segments in Singapore.

SPH Radio Ptd Ltd manages and operates five 24-hour radio stations—ONE FM 91.3, Kiss92, MONEY FM 89.3, UFM 100.3, and 96.3 Hao FM. ONE FM 91.3 and Kiss92 are English music stations. MONEY FM 89.3, which is also in English, is Singapore's first and only business and personal finance radio station. The latter two stations, UFM 100.3 and 96.3 Hao FM, are Mandarin music stations, with 96.3 Hao FM focusing more on lifestyle, healthcare and financial topics.

So Drama! Entertainment owns and operates two radio stations – 88.3Jia FM and Power 98FM. 88.3Jia FM is Singapore's only bilingual music station, while Power 98FM is an English music station.

Key Indicators for 2017

Radio Transmission was **2,800 hours per week**

8.5 billion SMS Messages sent and received

21.2 billion International Telephone Call Minutes

859,000 Pay TV Subscribers

Television Transmission was **1,009 hours per week**

Mobile Population Penetration Rate was **150.8%**

17.1 POSTAL ARTICLES HANDLED AND TELECOMMUNICATIONS

	Unit	2011	2012	2013	2014	2015	2016	2017
Postal Articles Handled	Million	2,085.5	2,029.6	1,997.7	1,997.8	1,983.4	1,896.7	1,720.4
Subscriptions [1]								
Fixed Line	'000	2,016.9	1,989.5	1,970.8	1,996.6	2,017.3	2,003.2	1,983.1
Residential	'000	1,237.1	1,214.1	1,207.7	1,247.6	1,280.6	1,295.9	1,299.2
Corporate/Business	'000	779.7	775.4	763.1	749.0	736.8	707.3	683.9
Mobile Phone	'000	7,755.2	8,063.0	8,420.7	8,093.3	8,211.4	8,399.7	8,462.8
2G [2]	'000	1,999.8	1,582.4	1,111.5	302.9	221.6	132.3	na
Post-paid	'000	204.5	152.7	117.8	89.8	49.2	30.9	na
Pre-paid	'000	1,795.3	1,429.7	993.7	213.1	172.4	101.4	na
3G	'000	5,755.4	6,480.6	5,258.3	4,608.8	3,913.5	3,412.1	2,349.0
Post-paid	'000	3,825.3	4,113.2	2,393.9	1,674.4	1,163.4	855.7	650.0
Pre-paid	'000	1,930.1	2,367.4	2,864.4	2,934.4	2,750.1	2,556.4	1,699.0
4G	'000	na	na	2,050.8	3,181.6	4,076.3	4,855.2	6,113.9
Post-paid	'000	na	na	na	2,924.0	3,628.6	4,085.1	4,449.5
Pre-paid	'000	na	na	na	257.6	447.7	770.1	1,664.4
Dial-up Internet [3]	'000	58.3	23.8	20.6	18.3	12.9	11.3	5.8
Broadband [4]	'000	9,222.3	10,194.9	10,653.6	11,537.2	11,992.1	12,543.8	13,072.9
Residential Wired [5]	'000	1,237.9	1,277.6	1,295.4	1,347.5	1,359.9	1,336.2	1,343.2
Corporate Wired [6]	'000	85.5	93.4	98.0	106.5	113.4	118.8	127.1
Wireless [7]	'000	7,898.9	8,823.9	9,260.1	10,083.3	10,518.8	11,088.9	11,602.5
Total SMS Messages [8]	Million	28,947.0	24,052.9	17,893.4	13,508.0	11,447.9	9,780.3	8,487.3
Mobile Data Usage [9]	Petabyte	43.9	64.6	85.5	100.8	123.8	142.1	175.5
International Telephone Call Minutes [10]	Million	12,367.4	13,444.8	14,489.6	18,165.5	22,018.2	23,638.8	21,242.0

Sources : Singapore Post
Info-communications Media Development Authority

Notes : With effect from 1 October 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 Total post-paid and pre-paid subscriptions (2G) has ceased service with effect from April 2017.
3 Covers paid internet access subscriptions only.
4 Includes retail xDSL, cable modems, leased line Internet, 3G, 3.5G/HSDPA, 4G/LTE, WiMAX or its equivalent and Wi-Fi hotspots access (including Wireless@SG subscriptions).
5 Includes all retail residential wired broadband subscriptions provided over xDSL, cable modems, leased line and optical fibre. Residential wireless broadband subscriptions are excluded.
6 Includes all retail corporate wired broadband subscriptions provided over xDSL, cable modems, leased line and optical fibre. Corporate wireless broadband subscriptions are excluded.
7 Includes all retail broadband Internet access subscriptions provided via wireless platforms such as 3G, 3.5G/HSDPA, 4G/LTE, WiMAX or its equivalent and Wi-Fi hotspots (including Wireless@SG subscriptions).
8 Includes SMS messages sent and received over 2G (up to April 2017), 3G and 4G (from March 2013) mobile networks.
9 Reflects the amount of bi-directional (the aggregated total downloaded) mobile data sent over the mobile networks, including MMS and any other upload/download but excludes video telephony and SMS.
10 Includes total retail outgoing international call minutes, transit minutes, calls to Malaysia and traffic by all Service-Based Operators.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15273
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15268

17.2 REVENUE OF THE INFORMATION AND COMMUNICATION TECHNOLOGY INDUSTRY

<Will be updated by November 2018.>

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 October 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=15214

17.3 RADIO AND TELEVISION TRANSMISSION AND PAY TV SUBSCRIBERS

	Unit	2011	2012	2013	2014	2015	2016	2017
Radio (Mediacorp, SPH Radio & *So Drama!* Entertainment)	Hours per Week	2,856	2,856	3,024	3,024	3,024	2,982	2,800
Television (Mediacorp)	Hours per Week	959	961	1,007	1,007	1,007	1,009	1,009
Pay TV Subscribers [1]	'000	898	934	951	962	960	906	845

Sources : StarHub Cable Vision Ltd
Singapore Telecommunications (Singtel)
Mediacorp Pte Ltd
SPH Radio Pte Ltd
SAFRA Radio (prior to July 2017)
So Drama! Entertainment (with effect from July 2017)

Notes : SAFRA Radio was renamed *So Drama!* Entertainment on 1 July 2017.

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

	2011	2012	2013	2014	2015	2016	2017
Total	1,507,695	1,476,885	1,448,915	1,384,197	1,347,679	1,264,679	1,098,138
English	786,802	771,001	762,382	738,077	718,648	697,465	773,627
Chinese	646,379	636,297	620,839	584,121	572,808	518,864	281,834
Malay	57,355	53,284	49,989	46,583	43,287	37,303	32,982
Tamil	17,159	16,303	15,705	15,416	12,936	11,047	9,695

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, TODAY (up to September 2017), Tabla.
Chinese Newspapers - Lianhe Zaobao, Lianhe Wanbao, Shin Min Daily News, My Paper (up to December 2016).
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=14594

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.

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.

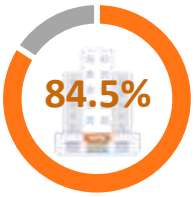
Tourism Receipts: Comprise any expenditure incurred by visitors (including transit passengers, foreign air/sea crew and foreign students) during their stay in Singapore as well as the amount they prepaid on components such as accommodation and sightseeing tours before arrival.

Key Indicators for 2017

17.4 mil
International Visitor Arrivals [1]

[1] Excludes arrivals of Malaysians by land.

Standard Average Occupancy Rate



9.9 mil
Outbound Departures of Singapore Residents...

...by Air
8.1 mil

...by Sea
1.8 mil

Average Length of Stay
3.4 days

Tourism Receipts: $26,807 mil

18.1 INTERNATIONAL VISITOR ARRIVALS BY INBOUND TOURISM MARKETS

Thousand

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	13,171.3	14,496.1	15,567.9	15,095.2	15,231.5	16,403.6	17,424.6
Americas	563.7	616.4	641.5	635.3	657.3	680.7	758.7
Canada	82.9	87.8	92.7	92.8	96.2	98.5	105.2
United States	440.6	477.2	491.9	484.9	499.5	516.5	565.4
Other Markets in Americas	40.2	51.4	56.8	57.5	61.5	65.7	88.0
Southeast Asia	5,414.3	5,779.6	6,166.4	6,113.1	5,748.2	6,007.5	6,225.1
Brunei Darussalam	62.2	71.8	79.9	77.7	73.6	69.9	68.4
Indonesia	2,592.2	2,837.5	3,088.9	3,025.2	2,731.7	2,893.6	2,954.4
Malaysia	1,140.9	1,231.7	1,280.9	1,233.0	1,171.1	1,151.6	1,168.4
Myanmar	94.2	93.0	99.4	112.8	105.5	113.6	145.7
Philippines	677.7	656.8	687.8	676.5	673.4	691.6	736.5
Thailand	472.7	477.7	497.4	506.5	516.4	546.6	531.3
Viet Nam	332.2	366.2	380.5	424.4	418.3	469.4	531.4
Other Markets in Southeast Asia	42.0	44.9	51.7	57.0	58.3	71.2	89.0
Greater China	2,307.2	2,814.9	3,186.9	2,722.6	3,125.6	3,821.3	4,116.1
China	1,577.5	2,034.2	2,269.9	1,722.4	2,106.2	2,863.7	3,228.1
Taiwan	238.5	282.2	350.3	337.4	378.0	394.2	395.6
Hong Kong SAR	464.4	472.2	539.8	631.0	609.9	538.0	465.8
Other Markets in Greater China	26.8	26.4	26.9	31.7	31.6	25.4	26.6
North Asia	1,072.2	1,203.8	1,305.8	1,362.4	1,367.1	1,350.9	1,424.4
Japan	656.4	757.1	832.8	824.7	789.2	783.9	792.9
South Korea	414.9	445.2	471.8	537.0	577.1	566.5	631.4
Other Markets in North Asia	0.9	1.5	1.2	0.7	0.9	0.5	0.2
South Asia	1,091.2	1,132.5	1,190.2	1,200.1	1,277.9	1,379.0	1,559.5
Bangladesh	95.5	110.7	119.3	124.9	122.6	123.3	120.6
India	869.0	895.0	933.6	943.6	1,014.0	1,097.2	1,272.1
Pakistan	20.9	21.2	20.2	17.7	18.9	22.2	23.5
Sri Lanka	84.0	83.4	95.6	88.8	93.1	101.9	107.8
Other Markets in South Asia	21.8	22.2	21.4	25.1	29.3	34.3	35.5
West Asia	154.3	146.6	156.8	170.2	165.9	180.6	174.6
Iran	32.4	18.6	11.0	12.4	12.3	22.6	24.9
Israel	12.1	13.6	14.6	15.3	15.7	18.6	19.7
Kuwait	8.3	7.6	10.6	11.0	10.8	11.1	9.5
Saudi Arabia	17.0	18.0	19.9	25.8	16.1	14.5	11.0
United Arab Emirates	62.7	65.6	72.6	75.7	78.7	80.2	79.0
Other Markets in West Asia	21.7	23.3	28.2	30.0	32.3	33.4	30.5

(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.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1991

18.1 INTERNATIONAL VISITOR ARRIVALS BY INBOUND TOURISM MARKETS *(continued)*

Thousand

Region/Country	2011	2012	2013	2014	2015	2016	2017
Europe	1,401.5	1,537.3	1,591.2	1,617.2	1,635.7	1,743.0	1,853.8
Belgium & Luxembourg	25.0	26.8	27.4	28.7	27.6	29.4	30.8
Denmark	27.2	31.5	31.9	31.9	31.4	31.2	34.0
Finland	23.9	33.3	29.4	30.7	27.9	28.6	31.3
France	140.3	158.9	160.0	156.9	157.5	170.9	175.4
Germany	220.0	252.4	251.6	263.5	286.7	328.8	342.4
Italy	53.5	65.6	66.7	67.1	69.4	74.6	80.4
Netherlands	81.1	81.6	82.9	81.8	79.1	82.2	86.9
Norway	32.5	36.8	35.9	33.5	31.7	29.3	29.0
Republic of Ireland	18.6	19.0	17.4	16.4	17.3	18.9	20.6
Russian Federation	59.4	69.0	82.1	90.7	63.8	70.4	80.1
Spain	35.0	37.8	39.5	44.2	48.1	49.5	60.6
Sweden	37.4	43.2	45.3	44.1	42.6	43.8	48.0
Switzerland	79.0	83.9	94.4	103.4	100.8	101.5	104.8
United Kingdom	442.6	446.5	461.5	451.9	473.8	489.2	518.9
Other Markets in Europe	126.2	151.1	165.3	172.5	178.1	194.6	210.5
Oceania	1,093.4	1,189.1	1,261.1	1,207.9	1,186.3	1,168.1	1,235.7
Australia	956.0	1,050.4	1,125.2	1,074.9	1,043.6	1,027.3	1,082.0
New Zealand	123.0	123.7	120.4	118.7	127.6	121.1	131.2
Other Markets in Oceania	14.4	15.1	15.5	14.3	15.1	19.7	22.4
Africa	73.4	68.0	66.6	66.1	67.5	72.5	76.8
Egypt	3.8	3.6	3.8	4.4	4.5	4.4	4.0
Mauritius	10.5	9.9	8.5	8.0	8.7	12.8	13.4
South Africa (Republic of)	33.5	32.7	32.0	29.8	32.5	32.8	34.6
Other Markets in Africa	25.5	21.8	22.3	23.9	21.7	22.4	24.8
Not Stated	0.1	7.8	1.4	0.3	0.0	0.1	0.0

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.

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18.2 INTERNATIONAL VISITOR ARRIVALS BY (a) SEX AND (b) AGE GROUP

Thousand

	2011	2012	2013	2014	2015	2016	2017
Total [1]	13,171.3	14,496.1	15,567.9	15,095.2	15,231.5	16,403.5	17,424.6
Sex							
Males	6,743.9	7,471.4	8,104.8	7,872.9	7,841.8	8,257.6	8,636.0
Females	5,920.0	6,705.0	7,458.1	7,222.2	7,389.7	8,145.9	8,788.6
Age Group (Years)							
Under 15	1,131.2	1,219.4	1,420.3	1,424.7	1,428.9	1,533.6	1,684.3
15 - 19	480.3	514.7	552.8	533.7	548.6	574.5	612.1
20 - 24	915.8	1,014.3	1,079.6	1,065.2	1,058.7	1,132.0	1,168.9
25 - 34	3,004.2	3,304.0	3,501.0	3,456.4	3,423.9	3,593.9	3,782.1
35 - 44	2,855.7	3,071.3	3,262.9	3,208.6	3,150.1	3,340.3	3,490.4
45 - 54	2,320.4	2,534.9	2,678.1	2,547.1	2,563.3	2,801.9	2,930.8
55 - 64	1,598.2	1,827.1	1,962.6	1,807.0	1,904.0	2,111.9	2,313.1
65 & Over	838.6	985.1	1,091.2	1,052.5	1,154.0	1,302.4	1,442.4
Not Stated	26.8	25.3	19.4	0.0	0.0	13.0	0.5

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=14895

18.3 INTERNATIONAL VISITOR ARRIVALS BY LENGTH OF STAY

	Unit	2011	2012	2013	2014	2015	2016	2017
Total	'000	12,644.5	13,937.2	14,983.1	14,513.4	14,595.2	15,839.9	16,841.8
Under 1	'000	2,781.1	3,397.8	3,669.5	3,231.3	3,179.5	3,490.3	3,519.8
1	'000	2,464.0	2,786.7	3,065.2	2,627.1	2,729.7	3,194.3	3,480.8
2	'000	2,225.7	2,358.7	2,565.4	2,572.3	2,494.4	2,631.3	2,780.1
3	'000	1,954.8	2,058.6	2,156.9	2,265.4	2,274.8	2,406.6	2,608.9
4	'000	1,045.0	1,094.4	1,170.4	1,286.5	1,370.2	1,470.3	1,617.2
5	'000	535.0	560.0	593.0	659.5	707.4	781.0	868.8
6	'000	321.6	333.6	353.3	388.5	398.6	433.6	491.0
7	'000	226.8	232.4	245.9	264.6	270.7	286.4	313.8
8-10	'000	315.3	320.0	333.6	352.0	354.6	361.1	382.5
11-14	'000	220.1	221.2	229.5	236.1	235.9	232.4	237.9
15 - 29	'000	373.7	387.5	408.2	438.6	415.6	396.5	393.2
30 - 59	'000	133.5	137.5	141.3	140.9	117.1	111.0	106.8
60 & Over	'000	47.9	48.7	51.1	50.7	46.7	44.9	41.0
Average Length of Stay	Days	3.7	3.6	3.5	3.7	3.6	3.4	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=14884

18.4 TOURISM RECEIPTS BY MAJOR COMPONENTS

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Tourism Receipts	22,277	23,081	23,469	23,560	21,777	25,748	26,807
Accommodation	4,390	5,038	5,332	5,309	4,680	5,916	6,016
Food & Beverage	2,239	2,246	2,294	2,263	2,319	2,787	2,649
Shopping	4,489	4,588	4,553	4,116	3,913	5,958	6,172
Sightseeing, Entertainment & Gaming	5,391	5,240	5,471	5,823	5,093	5,348	5,618
Others [1]	5,768	5,970	5,819	6,049	5,772	5,739	6,352

Source : Singapore Tourism Board

Notes : Data from 1Q 2016 have been revised, following a review and revision of the methodology for data collection and computation of tourism receipts to better capture tourism performance.

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=15280

18.5 OUTBOUND DEPARTURES OF SINGAPORE RESIDENTS BY MODE OF TRANSPORT

Number

	2011	2012	2013	2014	2015	2016	2017
Total	7,752,926	8,047,808	8,647,066	8,902,705	9,125,331	9,474,205	9,888,852
Air	6,082,620	6,485,268	6,960,428	7,163,778	7,371,377	7,770,593	8,100,687
Sea	1,670,306	1,562,540	1,686,638	1,738,927	1,753,954	1,703,612	1,788,165

Source : Immigration & Checkpoints Authority

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15301

18.6 GAZETTED HOTEL STATISTICS

	Unit	2011	2012	2013	2014	2015	2016	2017
Gazetted Hotels (At End Year)	No.	163	178	197	220	223	237	243
Available Room Nights [1]	'000	14,580.1	15,250.5	16,253.3	17,369.9	17,983.0	19,195.2	20,271.1
Standard Average Occupancy Rate [2]	%	85.3	85.7	85.1	84.2	84.0	83.1	84.6
Standard Average Room Rate [3]	$	233.3	243.5	239.6	242.5	232.3	223.1	215.4
Room Revenue	$m	2,901.3	3,184.3	3,313.6	3,547.2	3,506.8	3,559.1	3,694.8

Source : Singapore Tourism Board (STB)

Notes : STB has reviewed and updated the data estimation methodology to better present the overall performance of the hotel industry (for gazetted hotels). The updated methodology takes into account estimates of statistics for hotels that did not submit their data in time. Estimations are based on past hotel submissions as well as performance data of properties with similar size and pricing.

1 Refers to room-nights available for occupancy. Excludes rooms closed for renovations and staff use as declared by the hotels in the statutory forms.
2 Refers to gross lettings (room nights) divided by available room-nights.
3 Refers to total room revenue divided by gross lettings.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13626

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 March 2018, there was a total of 155 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: Refer 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): Refer 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: Refer to both credit and charge cards issued by the card issuing companies.

Total Cards Billings: Refer to total billings of Singapore cardholders excluding interest charges and membership fees.

Rolled Over Balances: Refer 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, 2017

Assets	Billion Dollars
Financial Assets	1,178.4
Residential Property Assets	894.5
Total Assets	**2,072.9**

Liabilities	Billion Dollars
Mortgage Loans	242.6
Personal Loans	81.1
Total Liabilities	**323.7**

Net Worth	Billion Dollars
Net Worth	**1,749.3**

Money Supply, M1 [1] was **$183.7bil** In 2017

Official Foreign Reserves [1] was **$374.0bil** in 2017

Assets/Liabilities of Asian Currency Units [1] was **US$1,237.9bil** In 2017

[1] Data are as at end of period.

19.1 HOUSEHOLD SECTOR BALANCE SHEET

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Net Worth	1,273,593.2	1,378,668.6	1,436,925.2	1,476,005.6	1,531,325.0	1,632,128.7	1,749,253.9
Assets	1,510,197.0	1,641,560.2	1,716,962.8	1,770,343.8	1,832,806.1	1,941,352.9	2,072,943.5
Financial Assets	750,090.9	828,370.3	888,547.3	951,633.3	999,316.5	1,079,128.0	1,178,403.5
Currency & Deposits	273,927.1	298,331.4	322,598.2	342,270.4	365,822.1	395,597.0	414,209.8
Shares & Securities	146,391.8	166,205.5	174,563.0	183,069.6	176,528.6	184,612.5	211,033.7
Listed Shares	70,851.4	88,092.6	91,834.6	91,986.9	83,796.2	83,375.5	95,053.8
Unlisted Shares	35,036.8	31,861.1	31,139.6	32,902.0	30,551.6	31,379.0	34,075.6
Unit Trusts & Investment Funds	40,503.6	46,251.8	51,588.8	58,180.7	62,180.8	69,858.0	81,904.3
Life Insurance	108,533.9	119,720.0	124,339.1	136,665.7	141,756.4	153,843.0	177,313.5
Central Provident Fund [1]	207,545.5	230,157.7	252,968.6	275,363.9	299,522.4	328,895.3	359,514.6
Pension Funds	13,692.7	13,955.7	14,078.4	14,263.7	15,687.0	16,180.1	16,331.9
Residential Property Assets	760,106.1	813,189.9	828,415.5	818,710.5	833,489.7	862,224.9	894,540.0
Public Housing	389,420.4	415,738.5	412,752.5	394,669.3	400,951.4	413,575.6	421,000.6
Private Housing	370,685.7	397,451.4	415,663.0	424,041.2	432,538.3	448,649.3	473,539.5
Liabilities	236,603.8	262,891.6	280,037.6	294,338.3	301,481.1	309,224.2	323,689.7
Mortgage Loans	174,589.5	193,006.9	205,385.2	216,714.2	224,650.1	233,140.5	242,570.7
Financial Institutions	133,605.7	154,071.2	168,623.1	179,536.2	186,781.1	194,100.4	202,178.2
Housing Development Board	40,983.8	38,935.7	36,762.1	37,178.0	37,869.0	39,040.1	40,392.5
Personal Loans	62,014.4	69,884.8	74,652.4	77,624.1	76,831.0	76,083.7	81,119.0
Motor Vehicle	14,449.2	14,324.7	12,433.0	10,265.0	9,614.4	9,736.3	10,343.0
Credit/Charge Cards	7,891.3	8,972.8	9,948.8	10,429.1	10,266.1	10,800.4	10,979.5
Others [2]	39,673.9	46,587.3	52,270.7	56,929.9	56,950.5	55,547.0	59,796.5

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=15312

19.2 CURRENCY IN CIRCULATION

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Gross Circulation	28,180.1	32,266.1	33,806.1	36,428.8	39,688.8	45,318.8	46,012.5
Notes	26,941.7	30,984.2	32,479.5	35,049.4	38,254.1	43,830.7	44,484.3
Coins	1,238.4	1,281.9	1,326.6	1,379.4	1,434.7	1,488.1	1,528.2

Source : Monetary Authority of Singapore

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15242

19.3 MONEY SUPPLY

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Money Supply (M1)	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5	183,699.3
Currency in Active Circulation [1]	24,690.3	26,361.3	28,851.6	31,506.9	34,042.3	38,525.0	42,339.7
Demand Deposits	105,901.6	114,347.8	125,745.7	128,710.8	126,403.5	134,228.5	141,359.6
Money Supply (M2)	443,358.1	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4	580,066.5
M1	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5	183,699.3
Quasi-Money	312,766.2	334,683.4	341,310.5	352,213.1	359,793.9	389,333.9	396,367.2
Fixed Deposits	160,699.6	175,270.8	171,989.3	172,712.0	174,465.4	189,277.6	186,964.2
S$ Negotiable Cert of Deposits	165.0	90.2	482.8	390.8	722.0	327.1	250.7
Savings and Other Deposits	151,901.6	159,322.4	168,838.4	179,110.3	184,606.5	199,729.2	209,152.3
Money Supply (M3)	451,666.3	485,915.4	506,900.0	524,166.4	532,944.5	573,906.0	592,155.3
M2	443,358.1	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4	580,066.5
Net Deposits with Finance Companies	8,308.2	10,522.9	10,992.2	11,735.6	12,704.8	11,818.6	12,088.8

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 instituitions.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15238

19.4 MONETARY SURVEY

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Money Supply							
M1	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5	183,699.3
Quasi-Money	312,766.2	334,683.4	341,310.5	352,213.1	359,793.9	389,333.9	396,367.2
M2	443,358.1	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4	580,066.5
Domestic Credit	466,122.4	522,034.6	582,704.8	626,023.9	638,949.5	668,524.3	706,788.3
Government	98,231.2	105,428.5	105,211.8	114,853.2	120,563.4	123,215.7	133,306.7
Private Sector	367,891.2	416,606.1	477,493.0	511,170.7	518,386.1	545,308.6	573,481.6
Government Deposits	160,243.4	178,122.1	162,779.8	133,431.9	151,767.7	114,128.1	76,940.3
Net Foreign Position	301,355.1	304,296.3	291,126.5	291,404.1	303,668.2	315,115.0	317,579.1
Monetary Authorities	306,983.9	315,467.1	341,133.8	343,503.9	352,515.5	352,596.8	371,738.6
Banks	-5,628.8	-11,170.8	-50,007.3	-52,099.8	-48,847.3	-37,481.8	-54,159.5
Other Items	-163,876.0	-172,816.3	-215,143.7	-271,565.3	-270,610.3	-307,423.8	-367,360.6

Source : Monetary Authority of Singapore

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15240

19.5 OFFICIAL FOREIGN RESERVES

(End of Period)

	Unit	2011	2012	2013	2014	2015	2016	2017
Total Foreign Reserves	$m	308,403.2	316,744.2	344,729.2	340,438.1	350,990.8	356,253.9	373,994.0
Special Drawing Rights	$m	1,732.9	1,641.1	1,697.7	1,677.9	1,717.7	1,446.4	1,423.3
Reserve Position in the International Monetary Fund	$m	1,080.8	1,115.8	1,296.7	1,084.1	852.6	1,441.7	1,083.3
Gold & Foreign Exchange	$m	305,589.5	313,987.3	341,734.8	337,676.1	348,420.5	353,365.8	371,487.4
Total Foreign Reserves	US$m	237,737.0	259,307.1	273,065.1	256,860.4	247,747.4	246,575.3	279,899.7

Source : Monetary Authority of Singapore

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15316

19.6 EXCHANGE RATES

(Average for the Year)

	2011	2012	2013	2014	2015	2016	2017
S$ Per Unit of :							
Australian Dollar	1.2971	1.2940	1.2107	1.1431	1.0339	1.0272	1.0585
Chinese Renminbi	0.1946	0.1981	0.2035	0.2057	0.2187	0.2080	0.2043
Euro	1.7495	1.6071	1.6621	1.6837	1.5267	1.5286	1.5589
Hong Kong Dollar	0.1616	0.1611	0.1613	0.1634	0.1773	0.1780	0.1772
Malaysian Ringgit	0.4111	0.4046	0.3973	0.3873	0.3534	0.3333	0.3212
Pound Sterling	2.0161	1.9803	1.9573	2.0873	2.1023	1.8726	1.7782
US Dollar	1.2579	1.2497	1.2513	1.2671	1.3748	1.3815	1.3807
S$ Per 100 Units of :							
Indian Rupee	2.7027	2.3442	2.1448	2.0768	2.1434	2.0557	2.1204
Indonesian Rupiah	0.0143	0.0133	0.0120	0.0107	0.0103	0.0104	0.0103
Japanese Yen	1.5780	1.5672	1.2840	1.1996	1.1364	1.2727	1.2313
Korean Won	0.1135	0.1109	0.1144	0.1204	0.1215	0.1190	0.1222
New Taiwan Dollar	4.2798	4.2262	4.2155	4.1812	4.3298	4.2831	4.5383
Philippine Peso	2.9038	2.9592	2.9492	2.8535	3.0199	2.9086	2.7396
Thai Baht	4.1252	4.0199	4.0750	3.9002	4.0175	3.9141	4.0695

Source : Monetary Authority of Singapore

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=11940

19.7 NUMBER OF FINANCIAL INSTITUTIONS IN SINGAPORE

Number

	2012	2013	2014	2015	2016	2017	2018
Banks	123	123	124	126	124	128	127
Local	6	6	5	5	5	5	4
Full banks	5	6	5	5	5	5	4
Wholesale banks [1]	1	0	0	0	0	0	0
Foreign	117	117	119	121	119	123	123
Full banks	26	27	28	28	28	29	29
Wholesale banks [1]	52	53	55	56	53	57	92
Offshore banks	39	37	36	37	38	37	2
(Banking offices including head offices and main offices)	432	425	425	429	428	428	405
Asian Currency Units	165	161	159	160	155	157	155
Banks	120	120	121	123	122	126	126
Merchant banks	45	41	38	37	33	31	29
Finance Companies	3	3	3	3	3	3	3
(Finance companies' offices including head offices)	39	39	39	39	39	39	39
Merchant Banks	46	42	39	38	34	32	30
Insurance Companies	164	168	177	181	186	186	184
Direct insurers	70	72	79	80	79	81	78
Professional reinsurers	29	28	31	31	32	31	31
Authorised reinsurers	6	6	6	6	5	4	5
Captive insurers	59	62	61	64	70	70	70
Insurance Brokers	67	69	71	74	75	77	80
Bank Representative Offices	36	38	36	37	39	42	40
International Money Brokers	9	9	9	10	12	12	13
Licensed Financial Advisers	67	62	58	60	62	61	65

(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=14585

19.7 NUMBER OF FINANCIAL INSTITUTIONS IN SINGAPORE *(continued)*

Number

	2012	2013	2014	2015	2016	2017	2018
Capital Markets Services Licensees	250	295	443	493	533	584	668
Dealing in Securities	94	106	118	123	137	151	166
Trading in Futures Contracts	50	52	59	60	68	71	76
Advising on Corporate Finance	34	37	40	42	40	46	45
Fund Management	119	158	289	335	367	404	457
Leveraged Foreign Exchange Trading	20	23	24	24	27	29	34
Securities Financing	17	17	17	17	17	18	18
Providing Custodial Services for Securities	40	38	37	37	37	42	44
Real Estate Investment Trust Management	23	26	31	34	36	38	40
Providing Credit Rating Services [2]	na	3	3	4	4	4	4
Venture Capital Fund Management [3]	na	na	na	na	na	na	14
Licensed Trust Companies	50	51	52	54	53	58	58
Registered Fund Management Companies [4]	na	74	236	275	273	273	271

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 The Venture Capital Fund Managers Regulatory Regime came into effect on 20 October 2017.
4 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=14585

19.8 ASSETS OF DOMESTIC BANKING UNITS

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total Assets	855,811.4	911,009.0	967,814.4	1,055,131.1	1,057,520.7	1,146,172.7	1,221,921.3
Cash	2,796.4	2,756.0	2,807.5	2,917.1	4,396.2	3,989.1	3,455.4
Amounts Due from Banks	216,223.0	184,902.7	142,986.5	183,016.5	170,139.1	231,231.9	257,930.0
In Singapore	58,857.6	44,059.5	27,601.4	32,391.8	26,960.5	45,371.3	67,022.3
Outside Singapore	95,240.3	96,781.5	86,168.3	103,735.6	91,518.4	121,833.5	132,512.3
Asian Currency Units	62,125.1	44,061.6	29,216.8	46,889.1	51,660.2	64,027.0	58,395.4
Balances with Monetary Authority of Singapore	17,815.3	19,503.3	32,107.0	20,311.6	22,218.5	21,967.4	22,294.5
Securities and Equities Issued by Private Entities	38,484.1	41,562.4	49,723.3	56,476.5	58,452.8	58,778.3	62,833.4
Debt Securities							
In Singapore	9,922.2	10,973.6	12,326.8	11,414.4	11,106.5	9,273.7	9,474.0
Outside Singapore	13,572.4	14,803.7	12,376.5	12,633.0	14,122.2	16,021.5	20,492.7
Equity Investments							
In Singapore	9,957.9	10,362.0	11,541.7	18,523.9	11,474.7	11,966.2	11,521.4
Outside Singapore	5,031.6	5,423.1	13,478.3	13,905.3	21,749.3	21,516.9	21,345.3
Debt Securities by Government Related Entities	99,227.4	111,755.8	117,755.4	128,484.0	136,437.7	143,476.1	155,552.5
Government of Singapore	91,417.5	98,422.4	98,213.9	107,852.9	112,648.2	114,335.5	124,120.9
Statutory Authorities	6,780.8	9,372.0	17,111.0	16,377.5	14,121.2	18,632.8	21,377.3
Other Governments	1,029.2	3,961.4	2,430.5	4,253.6	9,668.3	10,507.8	10,054.3
Loans & Advances including Bills Financing	420,455.5	490,706.5	574,274.4	607,200.5	599,756.0	617,347.4	651,931.6
Bills Discounted or Purchased [1]	44,582.2	56,292.0	79,657.4	75,343.9	52,846.8	44,599.1	49,442.6
Payable In Singapore	6,947.6	8,490.1	12,921.7	11,735.7	11,410.3	10,966.5	10,833.7
Payable Outside Singapore	37,634.6	47,801.9	66,735.7	63,608.2	41,436.5	33,632.6	38,608.9
Loans & Advances	375,873.3	434,414.5	494,617.1	531,856.6	546,909.1	572,748.3	602,489.0
Resident	334,282.5	377,408.3	423,591.8	453,119.3	470,273.3	494,469.3	520,275.3
Non-Resident	41,590.8	57,006.2	71,025.3	78,737.3	76,635.8	78,279.0	82,213.7
Other Assets [2]	60,809.6	59,822.4	48,160.2	56,724.9	66,120.5	69,382.6	67,924.0

Source : Monetary Authority of Singapore (MAS)

1 Excludes bills rediscounted between banks.

2 Includes Singapore dollar negotiable certificates & deposits (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=15236

19.9 LIABILITIES OF DOMESTIC BANKING UNITS

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	855,811.4	911,009.0	967,814.4	1,055,131.1	1,057,520.7	1,146,172.7	1,221,921.3
Capital & Reserves	64,845.4	66,305.4	66,291.7	71,000.0	76,107.6	82,989.2	88,995.5
Deposits of Non-bank Customers [1]	483,110.3	518,840.7	537,582.9	550,363.9	560,011.5	596,611.5	606,386.9
Demand Deposits	120,133.3	130,965.7	142,676.7	147,007.3	141,953.0	151,193.5	157,980.7
Fixed Deposits	197,609.5	213,657.9	210,490.5	207,959.3	216,838.7	228,464.0	223,141.2
Savings Deposits	163,782.5	171,785.5	181,865.7	192,101.8	197,140.1	211,446.2	220,444.2
Other Deposits	1,585.1	2,431.7	2,549.9	3,295.4	4,079.6	5,507.7	4,820.8
Amounts Due to Banks	226,427.6	244,892.2	293,986.6	339,191.0	318,247.1	359,009.8	396,417.7
In Singapore	9,900.5	12,088.7	11,244.2	12,876.3	11,353.0	17,412.8	13,684.8
Outside Singapore	69,048.4	70,056.7	76,612.7	101,883.9	94,913.2	110,533.6	140,201.4
Asian Currency Units	147,478.7	162,746.8	206,129.6	224,430.8	211,980.9	231,063.4	242,531.6
Other Liabilities [2]	81,428.0	80,970.7	69,953.3	94,576.2	103,154.6	107,562.2	130,121.3

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=15236

19.10 LOANS AND ADVANCES OF DOMESTIC BANKING UNITS TO NON-BANK CUSTOMERS BY INDUSTRY

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	420,455.5	490,706.5	574,274.4	607,200.5	599,756.0	617,347.4	651,931.6
Loans to Businesses	240,916.4	284,173.2	349,231.0	370,760.6	357,001.0	367,008.1	389,648.1
Agriculture, Mining & Quarrying	1,719.7	2,104.3	4,905.9	5,536.0	5,611.6	5,834.2	3,713.7
Manufacturing	19,023.5	27,166.3	31,601.6	29,614.7	26,000.9	26,227.6	26,161.2
Building & Construction [1]	67,304.4	78,704.0	91,274.7	103,712.6	119,405.2	121,387.2	120,390.1
General Commerce	48,809.6	57,349.8	75,888.3	78,082.4	65,954.1	63,958.1	68,487.8
Transport, Storage & Communication	11,883.2	13,089.2	17,162.7	20,045.3	20,810.4	20,998.7	22,140.6
Business Services	4,667.6	4,748.1	7,056.6	8,586.9	7,246.9	7,946.9	8,646.3
Financial Institutions	55,550.9	64,895.1	76,387.4	80,984.1	68,697.9	80,391.2	98,865.6
Professional & Private Individuals - Business Purposes	4,237.3	5,920.7	7,186.5	9,746.0	9,419.1	8,930.0	10,001.9
Others	27,720.2	30,195.7	37,767.3	34,452.6	33,854.9	31,334.2	31,240.9
Consumer Loans	179,539.0	206,533.3	225,043.5	236,439.9	242,754.8	250,339.5	262,283.4
Housing & Bridging Loans	131,106.5	152,003.0	166,542.0	177,434.6	184,680.6	192,099.8	200,251.7
Professional & Private Individuals							
Car Loans	12,743.9	12,523.5	10,693.3	8,641.5	7,845.3	7,858.1	8,412.5
Credit Cards	7,881.6	8,963.9	9,941.1	10,422.4	10,260.5	10,795.4	10,974.9
Share Financing	931.5	1,060.1	1,167.0	989.6	2,266.7	2,457.6	2,591.8
Others	26,875.5	31,982.8	36,700.1	38,951.8	37,701.7	37,128.6	40,052.5

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=15229

19.11 ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS

(End of Period)

Million US Dollars

	2011	2012	2013	2014	2015	2016	2017
				Assets			
Total	1,019,532.9	1,093,264.6	1,180,374.8	1,190,475.4	1,155,822.6	1,134,099.6	1,237,898.7
Loans to Non-bank Customers	312,814.0	340,914.0	400,597.0	433,648.4	407,968.8	388,691.8	465,056.9
Residents	101,995.5	115,372.1	132,514.8	136,523.3	133,809.9	137,429.1	146,485.5
Non-residents	210,818.5	225,541.9	268,082.2	297,125.1	274,158.9	251,262.7	318,571.4
Inter-bank Funds	528,823.2	562,970.6	614,645.6	569,140.4	536,726.3	540,056.3	567,180.5
In Singapore	113,361.8	133,171.6	162,830.7	169,487.9	149,080.8	159,712.2	182,529.1
Inter-Asian Currency Units	53,383.9	53,768.7	56,274.7	51,138.2	60,510.7	50,997.9	50,229.1
Outside Singapore	362,077.5	376,030.3	395,540.2	348,514.3	327,134.9	329,346.2	334,422.3
Debt Securities & Equities	97,100.6	113,131.6	90,751.0	98,626.6	118,749.3	117,322.2	126,356.9
Other Assets	80,795.1	76,248.3	74,381.2	89,060.0	92,378.2	88,029.3	79,304.4
				Liabilities			
Total	1,019,532.9	1,093,264.6	1,180,374.8	1,190,475.4	1,155,822.6	1,134,099.6	1,237,898.7
Deposits of Non-bank Customers	296,376.6	327,863.5	365,141.3	393,116.8	395,070.2	393,165.2	443,918.1
Inter-bank Funds	599,568.3	628,109.0	648,170.8	615,036.2	574,723.1	558,849.0	601,199.7
In Singapore	77,629.4	75,466.9	60,529.3	62,608.9	63,393.3	63,112.6	67,263.3
Inter-Asian Currency Units	53,603.0	53,934.8	56,261.1	51,721.6	60,595.7	51,807.1	51,186.5
Outside Singapore	468,335.9	498,707.3	531,380.3	500,705.7	450,734.1	443,929.3	482,749.9
Other Liabilities	123,588.0	137,292.1	167,062.7	182,322.4	186,029.3	182,085.4	192,780.9

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=15243
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9701

19.12 ASSETS AND LIABILITIES OF FINANCE COMPANIES

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
				Assets			
Total	12,165.3	14,967.5	14,985.7	15,975.7	17,409.8	16,407.7	16,455.5
Cash & Balances with Monetary Authority of Singapore	263.3	328.6	339.2	368.8	397.4	370.2	373.4
Deposits with Banks & Other Institutions	1,176.2	1,810.1	1,369.2	1,495.4	1,895.9	1,735.9	1,462.8
Securities & Equities	1,161.9	1,414.7	1,522.5	1,613.0	1,735.6	1,641.1	1,670.2
Loans & Advances [1]	9,460.2	11,311.5	11,653.9	12,385.4	13,251.7	12,546.5	12,848.7
Hire Purchase	2,037.7	2,089.9	1,891.5	1,779.4	1,978.1	2,113.4	2,150.6
On Motor Vehicles	1,899.6	1,877.1	1,637.0	1,464.8	1,619.4	1,785.3	1,880.1
On Consumer Durables	0.0	10.6	0.2	0.1	0.3	0.2	0.3
On Other Goods	138.0	202.3	254.3	314.6	358.3	327.9	270.2
Housing Loans	1,517.1	1,402.8	1,394.0	1,448.4	1,475.8	1,397.4	1,333.5
Other Loans & Advances	5,905.4	7,818.8	8,368.4	9,157.6	9,797.8	9,035.7	9,364.6
Other Assets	103.7	102.5	101.0	113.1	129.2	113.9	100.4
				Liabilities			
Total	12,165.3	14,967.5	14,985.7	15,975.7	17,409.8	16,407.7	16,455.5
Capital & Reserves	1,999.2	2,104.8	2,109.6	2,214.2	2,242.4	2,263.2	2,327.8
Deposits	9,481.0	12,347.6	12,396.1	13,295.7	14,667.1	13,603.8	13,600.4
Savings Deposits	252.7	220.9	240.3	217.3	197.9	209.8	227.8
Fixed Deposits	9,218.7	11,909.9	11,887.0	12,897.2	14,313.5	13,247.7	13,133.2
Other Deposits	9.7	216.8	268.7	181.2	155.8	146.3	239.3
Other Creditors	45.6	22.6	17.0	6.9	4.3	5.4	12.4
Other Liabilities	639.5	492.5	463.0	458.9	496.0	535.3	515.0

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=15232

19.13 FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total [1]	5,786.0	7,685.2	8,230.5	9,002.6	9,588.0	8,763.3	8,996.8
Agriculture, Mining & Quarrying	0.0	0.0	0.9	0.9	0.8	2.6	2.4
Manufacturing	64.3	65.6	71.2	109.8	126.1	136.1	133.7
Building & Construction	3,228.8	4,190.6	4,736.8	4,846.5	4,791.6	3,987.1	4,094.7
General Commerce	166.2	188.9	194.5	237.9	300.2	300.3	246.9
Transport, Storage & Communications	73.3	164.0	152.2	201.6	247.9	299.7	374.6
Financial Institutions	349.7	694.1	898.3	1,157.9	1,409.0	1,516.9	1,437.9
Professional & Private Individuals	876.9	878.2	841.4	895.0	876.3	697.7	658.8
Others	1,026.7	1,503.9	1,335.3	1,553.1	1,836.1	1,823.0	2,047.9

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

	2011	2012	2013	2014	2015	2016	2017
				Assets			
Total	87,851.1	92,411.0	84,944.9	96,256.8	106,583.3	95,888.3	102,821.7
Amounts Due from Banks	22,815.1	21,646.5	21,226.5	19,532.4	25,050.5	26,014.2	24,938.8
In Singapore	2,567.3	3,170.6	3,433.8	3,556.6	2,803.5	2,891.1	6,294.6
Asian Currency Units	4,615.0	5,300.3	5,212.7	7,432.7	9,345.2	8,000.3	6,755.8
Outside Singapore	15,632.8	13,175.6	12,580.0	8,543.2	12,901.8	15,122.8	11,888.4
Loans & Advances to Non-bank Customers	29,095.7	26,832.3	25,533.8	26,640.2	23,322.0	19,350.7	21,971.4
Securities & Equities	28,618.0	38,303.3	32,642.1	43,415.1	50,320.9	43,193.7	47,505.6
Other Assets	7,322.2	5,628.9	5,542.5	6,669.1	7,889.8	7,329.7	8,406.0
				Liabilities			
Total	87,851.1	92,411.0	84,944.9	96,256.8	106,583.3	95,888.3	102,821.7
Capital & Reserves	9,983.6	12,168.2	12,381.3	12,560.9	13,024.6	13,566.2	14,110.8
Amounts Due to Banks	46,928.5	55,045.1	51,658.0	63,112.6	70,528.6	61,856.6	66,043.5
In Singapore	585.8	615.2	408.6	406.4	514.3	5,814.2	9,243.3
Asian Currency Units	23,772.5	22,413.9	20,349.2	21,296.9	23,184.9	17,967.6	20,894.5
Outside Singapore	22,570.2	32,016.0	30,900.2	41,409.4	46,829.4	38,074.8	35,905.8
Borrowings from Non-bank Customers	22,623.4	17,741.8	13,600.6	12,564.7	13,291.2	12,370.2	15,476.8
Other Liabilities	8,315.7	7,456.0	7,305.0	8,018.6	9,738.8	8,095.3	7,190.6

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=14711

19.15 DOMESTIC INTEREST RATES

(End of Period)

Per Cent Per Annum

	2011	2012	2013	2014	2015	2016	2017
Singapore Overnight Rate Average [1]	0.1011	0.0380	0.0698	0.2484	0.7159	0.4595	0.8605
Banks [2]							
Prime Lending Rate	5.38	5.38	5.38	5.35	5.35	5.35	5.28
Fixed Deposits							
3 Months	0.14	0.14	0.14	0.14	0.18	0.19	0.14
6 Months	0.19	0.20	0.20	0.21	0.24	0.25	0.20
12 Months	0.32	0.32	0.32	0.31	0.34	0.35	0.33
Savings Deposits	0.11	0.11	0.10	0.11	0.14	0.14	0.16
Finance Companies [3]							
Fixed Deposits							
3 Months	0.15	0.20	0.18	0.18	0.30	0.30	0.30
6 Months	0.22	0.28	0.25	0.25	0.38	0.38	0.38
12 Months	0.46	0.53	0.53	0.53	0.58	0.50	0.50
Savings Deposits	0.17	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 transctions 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=15314
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15233

19.16 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Contributions (net of refunds) by members [1]	24,628.4	26,048.4	28,530.0	29,722.1	32,049.1	35,851.7	37,284.7
Interest credited to members	7,472.7	8,290.6	9,144.2	9,971.9	10,834.5	12,048.2	13,196.2
Withdrawals (net of refunds) by members [2]	10,443.6	11,726.8	14,863.2	17,298.7	18,725.1	18,527.0	19,861.6
Amount due to members	207,545.5	230,157.7	252,968.6	275,363.9	299,522.4	328,895.3	359,514.6

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=15251

19.17 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

	2011	2012	2013	2014	2015	2016	2017
	Million Dollars						
Withdrawals (net of refunds) by members [1]	10,443.6	11,726.8	14,863.2	17,298.7	18,725.1	18,527.0	19,861.6
Housing Schemes							
Public Housing	5,464.3	5,703.1	5,841.3	6,892.3	7,069.9	6,971.9	7,375.2
Residential Properties	1,346.6	2,290.6	2,500.1	2,706.0	3,310.6	3,905.5	3,716.9
Reached 55 Years of Age and Above [2]	1,940.1	2,048.2	2,819.6	2,945.8	3,720.7	3,343.7	4,075.6
Leaving Singapore & Malaysia Permanently [3]	505.5	541.5	579.8	665.6	712.8	753.6	799.1
Death	434.6	487.9	530.4	606.8	672.8	756.2	890.2
Medisave Scheme	721.7	767.4	798.5	852.9	899.9	931.3	963.5
Private Medical Insurance Scheme	335.5	384.6	484.1	542.9	581.0	674.4	768.8
Others [4]	-304.7	-496.5	1,309.4	2,086.4	1,757.4	1,190.4	1,272.3
	Number						
Housing Schemes [5]							
Public Housing	749,989	752,740	742,813	733,637	731,292	739,964	769,206
Residential Properties	153,893	164,704	173,105	177,360	188,640	201,763	217,520
Reached 55 Years of Age and Above [2]	227,540	245,645	261,573	296,333	389,598	343,136	372,753
Leaving Singapore & Malaysia Permanently [3]	14,619	15,038	13,868	14,081	13,591	13,046	12,822
Death	19,869	18,472	18,796	19,395	20,510	20,465	20,604

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	2011	2012	2013	2014	2015	2016	2017
SGX Mainboard								
Volume	Million	254,663.2	357,633.8	541,726.2	307,505.1	262,911.6	223,565.5	222,579.2
Basic Materials	Million	13,129.9	14,168.3	16,097.6	14,343.8	12,020.1	5,638.2	7,858.2
Consumer Goods	Million	58,493.9	94,724.5	115,598.2	45,164.9	38,991.7	29,023.9	26,883.5
Consumer Services	Million	32,932.4	34,476.8	42,775.7	27,282.2	20,498.5	15,813.4	31,828.7
Financials	Million	37,527.6	38,856.2	77,412.1	40,738.7	47,372.6	46,454.3	49,445.0
Health Care	Million	3,478.1	3,858.5	2,995.9	2,364.2	2,959.5	1,434.3	1,518.2
Industrials	Million	64,617.9	120,133.5	184,896.5	102,478.6	82,566.7	69,684.6	62,895.7
Oil & Gas	Million	18,302.1	13,160.3	23,613.4	19,184.5	17,882.5	34,251.7	13,552.8
Technology	Million	12,673.7	27,685.7	49,125.2	23,865.9	26,032.3	11,894.1	19,146.7
Telecommunications	Million	6,792.4	7,256.1	6,326.9	5,128.2	6,957.3	7,019.7	6,573.6
Utilities	Million	6,715.1	3,313.8	22,884.9	26,954.1	7,630.4	2,351.3	2,876.7
Value	$m	341,256.1	306,418.9	322,357.3	244,061.6	263,867.4	252,981.2	263,625.6
Basic Materials	$m	9,153.2	8,049.1	5,140.7	3,381.3	1,657.4	1,118.4	1,511.0
Consumer Goods	$m	44,473.8	48,174.1	36,501.3	21,822.8	15,562.5	18,345.3	16,342.2
Consumer Services	$m	61,357.6	35,316.2	35,930.6	25,617.3	27,861.8	25,684.4	28,619.1
Financials	$m	100,174.4	84,491.6	115,431.2	96,621.3	119,251.3	117,060.6	126,463.3
Health Care	$m	2,858.9	3,743.1	2,682.6	2,212.1	2,940.7	1,596.8	1,767.2
Industrials	$m	60,046.7	65,390.0	60,024.9	45,022.6	45,915.0	41,170.4	47,108.7
Oil & Gas	$m	37,886.7	31,398.3	30,288.7	22,684.9	19,191.2	19,303.0	14,471.5
Technology	$m	3,233.6	7,815.0	12,013.2	3,873.5	3,198.9	1,703.0	3,043.4
Telecommunications	$m	19,491.4	20,843.5	21,729.2	17,411.4	25,711.7	25,670.1	22,947.5
Utilities	$m	2,580.1	1,198.0	2,614.9	5,414.6	2,577.0	1,329.2	1,351.6

(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=15154
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5221

19.18 TURNOVER ON THE SINGAPORE EXCHANGE (EQUITIES) *(continued)*

	Unit	2011	2012	2013	2014	2015	2016	2017
SGX Catalist								
Volume	Million	27,039.6	86,015.5	268,959.6	127,480.1	83,075.8	98,223.5	138,646.9
Basic Materials	Million	605.7	650.3	32,834.3	19,418.7	8,698.6	24,194.1	25,520.4
Consumer Goods	Million	1,317.7	7,424.9	14,180.0	5,439.4	3,119.3	4,307.3	19,627.7
Consumer Services	Million	1,447.2	9,935.4	32,541.6	6,926.9	5,933.4	14,550.6	11,715.9
Financials	Million	1,084.6	1,805.8	1,251.9	8,984.7	3,222.6	721.6	1,655.8
Health Care	Million	874.9	3,281.3	13,537.4	11,046.3	17,120.3	18,073.3	12,028.6
Industrials	Million	14,926.2	26,854.7	93,561.0	50,807.0	28,839.4	23,244.8	53,129.7
Oil & Gas	Million	1,514.4	5,585.0	457.2	3,037.9	4,787.2	8,592.6	5,196.6
Technology	Million	4,682.8	11,501.5	44,318.9	9,144.8	8,200.7	2,724.0	7,155.6
Telecommunications	Million	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utilities	Million	586.2	18,976.6	36,277.3	12,674.5	3,154.4	1,815.2	2,616.8
Value	$m	3,380.9	7,743.8	18,322.8	13,030.4	8,232.8	7,086.5	9,124.0
Basic Materials	$m	290.3	286.9	2,745.3	1,625.3	743.7	1,633.0	2,033.5
Consumer Goods	$m	132.4	361.4	748.2	284.9	71.4	110.2	541.6
Consumer Services	$m	256.0	257.5	1,260.2	789.2	750.3	2,215.3	1,862.1
Financials	$m	166.9	514.5	409.4	807.3	232.6	120.1	216.1
Health Care	$m	82.7	239.5	1,263.6	2,773.6	3,429.3	978.6	957.6
Industrials	$m	1,700.3	2,783.4	8,280.4	4,385.3	1,918.2	1,207.6	3,148.8
Oil & Gas	$m	578.1	2,553.7	222.5	1,286.3	543.2	626.7	238.9
Technology	$m	142.0	263.3	1,587.8	313.4	474.1	178.3	104.7
Telecommunications	$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utilities	$m	32.0	483.7	1,805.5	765.3	70.1	16.7	20.7

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	2011	2012	2013	2014	2015	2016	2017
Pledges								
Received	'000	3,498.1	4,003.9	4,206.0	4,236.2	4,374.4	4,452.5	4,451.8
Redeemed	'000	3,342.0	3,793.2	4,017.4	4,081.0	4,198.6	4,251.3	4,253.2
Amount of Loans								
Given Out	$m	4,946.8	7,067.6	5,470.6	5,276.2	5,381.1	5,525.5	5,546.8
Redeemed including Interest	$m	4,755.1	7,123.5	5,577.7	5,310.5	5,420.2	5,503.6	5,535.9

Source : Registry of Pawnbrokers

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15265

19.20 LIFE INSURANCE POLICIES

(End of Period)

	2010	2011	2012	2013	2014	2015	2016
	Thousand						
Policies in Force	11,763.7	12,191.8	12,591.7	12,900.4	13,140.1	13,466.8	13,833.2
New Policies	1,065.0	1,128.2	1,121.2	1,097.4	1,046.8	1,052.7	1,149.9
Policies Matured or Discontinued	687.5	700.1	721.3	788.7	807.0	724.9	783.4
	Million Dollars						
Policies in Force							
Amount Insured	629,474.7	713,645.4	783,874.9	839,804.0	903,071.2	990,566.8	1,129,068.0
Annual Premiums	9,213.5	10,324.4	11,407.1	13,015.5	14,352.5	15,686.2	16,982.7
New Policies							
Amount Insured	91,616.1	116,309.6	134,122.9	123,355.7	132,495.8	168,194.2	251,397.1
Single Premium	5,610.4	6,537.3	5,861.1	7,038.1	8,672.9	9,463.5	10,259.0
Annual Premiums	1,451.2	1,784.5	2,133.9	2,687.9	2,451.5	2,632.3	2,916.2
Policies Matured or Discontinued							
Amount Insured	48,487.6	55,770.1	63,904.7	67,530.1	69,228.6	80,637.8	112,895.9
Annual Premiums	645.2	695.3	1,051.4	1,088.9	1,114.5	1,267.1	1,619.6

Source : Monetary Authority of Singapore

Download times series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14616

19.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
				Revenue			
Total	23,471.0	15,713.6	28,010.5	21,947.3	32,487.7	23,995.4	31,620.8
Net Premiums Written	14,300.4	16,395.8	16,841.2	19,189.7	22,225.4	22,228.7	22,721.5
Net Investment Income	6,693.6	-901.4	10,948.8	2,485.7	9,998.8	1,457.0	8,578.3
Miscellaneous	2,477.0	219.2	220.5	271.9	263.5	309.7	321.0
				Expenditure			
Total	23,471.0	15,713.6	28,010.5	21,947.3	32,487.7	23,995.4	31,620.8
Claims on Death, Disability & Maturity	6,377.1	7,329.9	8,487.7	9,657.7	10,193.7	8,870.5	9,389.2
Surrenders	3,253.3	3,259.3	3,285.0	3,707.3	4,067.4	4,417.8	4,539.7
Cash Bonuses & Annuities	452.0	472.0	480.7	514.5	565.4	635.1	684.3
Management Expenses	628.9	729.6	768.4	880.2	934.1	1,039.0	1,111.9
Distribution Expenses	1,235.2	1,582.9	1,820.2	2,090.7	2,334.2	2,416.6	2,475.8
Miscellaneous	11,524.5	2,339.9	13,168.5	5,096.9	14,392.9	6,616.4	13,419.9

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=14630

19.22 ASSETS OF LIFE INSURANCE FUNDS

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	117,673.8	118,606.3	132,476.3	136,178.8	151,329.3	159,536.4	173,029.5
Land & Buildings	2,889.4	3,055.8	3,109.4	3,187.8	3,243.4	3,266.4	3,314.7
Loans							
On Mortgages	1,387.6	974.1	659.4	680.5	640.9	610.1	502.3
On Policies	2,347.8	2,340.9	2,326.9	2,333.7	2,377.3	2,411.2	2,450.0
Others	313.5	579.9	345.5	312.4	318.1	645.2	561.4
Investments							
Debt Securities	60,460.5	64,850.1	75,322.0	76,196.0	87,457.7	94,458.3	101,747.9
Equity Securities	41,900.8	36,235.1	41,288.5	46,102.7	50,936.3	51,599.1	58,100.1
Cash & Deposits	5,244.8	8,085.7	6,675.5	5,578.9	5,070.5	5,439.9	5,498.0
Miscellaneous (including Outstanding Premiums) [1]	3,129.4	2,484.7	2,749.1	1,786.8	1,285.1	1,106.2	855.1

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

	2010	2011	2012	2013	2014	2015	2016
	Net Premiums [1]						
Total	2,518.1	2,645.3	2,784.9	2,866.9	2,936.1	2,649.5	2,669.2
Marine, Aviation or Transit	231.1	229.7	225.0	215.0	229.5	233.2	227.7
Others							
Fire	199.4	211.7	218.7	235.1	244.9	220.9	244.2
Motor Vehicles	1,112.8	1,148.9	1,182.5	1,169.7	1,123.1	943.0	950.8
Miscellaneous	974.8	1,055.0	1,158.7	1,247.1	1,338.6	1,252.4	1,246.5
	Net Claims Settled [2]						
Total	1,157.5	1,176.1	1,353.2	1,366.3	1,355.7	1,481.3	1,536.4
Marine, Aviation or Transit	78.8	94.8	101.6	106.9	110.2	129.4	106.7
Others							
Fire	50.2	56.5	102.5	69.8	41.6	79.0	60.6
Motor Vehicles	632.6	623.8	693.4	689.6	660.7	651.4	638.6
Miscellaneous	395.9	401.0	455.7	500.0	543.2	621.5	730.5

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=14597

19.24 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
				Revenue			
Total	2,762.2	2,709.4	3,120.6	3,028.6	3,226.3	2,786.8	2,946.3
Net Premiums Written	2,518.1	2,645.3	2,784.9	2,866.9	2,936.1	2,649.5	2,669.2
Net Investment Income	219.7	44.1	302.9	135.1	246.2	92.0	210.2
Miscellaneous	24.4	20.0	32.8	26.6	44.0	45.3	66.9
				Expenditure			
Total	2,762.2	2,709.4	3,120.6	3,028.6	3,226.3	2,786.8	2,946.3
Net Claims Settled	1,157.5	1,176.1	1,353.2	1,366.3	1,355.7	1,481.3	1,536.4
Management Expenses	482.4	532.5	542.8	601.5	658.2	735.8	775.4
Distribution Expenses	350.8	361.9	371.2	396.9	416.9	283.5	321.4
Increase (Decrease) in Policy Liabilities	251.2	342.3	172.1	131.9	65.4	-172.6	-149.4
Miscellaneous	520.3	296.6	681.3	532.0	730.1	458.8	462.5

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=14618

19.25 ASSETS OF GENERAL INSURANCE FUNDS

(End of Period)

Million Dollars

	2010	2011	2012	2013	2014	2015	2016
Total	8,363.9	8,742.2	9,446.5	9,989.2	10,489.3	11,070.6	11,140.7
Land & Buildings	165.3	199.9	200.2	260.9	293.0	286.6	290.6
Loans	49.9	34.5	39.8	48.6	44.8	50.8	55.8
Investments							
Debt Securities	4,274.2	4,451.4	4,703.5	4,967.9	5,495.9	6,155.4	5,971.6
Equity Securities	906.6	800.1	960.1	1,016.0	1,027.9	941.4	955.5
Cash & Deposits	2,212.2	2,399.6	2,578.0	2,721.0	2,577.2	2,273.7	2,273.4
Miscellaneous	755.7	856.7	964.9	974.8	1,050.5	1,362.7	1,593.8

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	2011	2012	2013	2014	2015	2016	2017
Main Local Cardholders [1]	No.	6,883,993	7,843,765	7,984,608	8,156,466	8,044,900	7,818,154	7,724,041
Supplementary Local Cardholders [1]	No.	1,450,282	1,502,591	1,573,936	1,554,840	1,490,254	1,438,589	1,389,750
Total Card Billings	$m	35,230.1	38,419.2	41,602.2	44,582.4	47,103.9	49,904.1	54,275.9
Rollover Balance [1]	$m	4,537.9	4,991.8	5,362.9	5,500.6	5,290.3	5,301.3	5,224.3
Bad Debts Written Off	$m	186.7	226.6	247.8	273.9	319.1	319.3	308.8
Charge-Off Rates [2]	%	4.4	4.8	4.8	5.1	5.9	6.1	6.0

Source : Monetary Authority of Singapore

1 As at end of period.
2 Refers to bad debts written off during the year divided by the average rollover balance for the same year.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14637

20

Public Finance

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

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Operating Revenue [1]	46,060.2	51,077.2	55,814.5	57,020.3	60,838.2	64,823.2	68,964.4
Corporate Income Tax	10,686.6	12,096.3	12,821.3	12,679.6	13,371.5	13,815.1	13,602.2
Personal Income Tax	6,469.6	6,871.4	7,713.7	7,688.1	8,926.7	9,234.9	10,526.2
Withholding Tax	957.4	1,258.0	1,337.3	1,152.4	1,126.0	1,402.0	1,474.1
Statutory Boards' Contributions	573.2	353.2	539.1	529.8	515.9	438.3	775.4
Assets Taxes	2,803.2	3,901.9	3,768.3	4,181.9	4,340.6	4,455.0	4,359.5
Customs and Excise Taxes	2,048.5	2,132.8	2,141.7	2,189.4	2,539.7	2,833.0	2,730.0
Goods and Services Tax	8,198.0	8,687.0	9,038.0	9,512.7	10,215.0	10,345.1	11,078.3
Motor Vehicle Taxes	1,850.9	1,919.6	1,802.9	1,654.6	1,602.9	1,759.7	2,148.4
Betting Taxes	2,278.7	2,373.4	2,304.8	2,378.8	2,591.0	2,719.0	2,682.0
Stamp Duty	3,276.5	3,175.1	4,309.5	3,929.9	2,783.5	2,769.0	3,278.5
Other Taxes [2]	2,705.6	3,307.3	4,341.8	5,248.4	6,097.1	5,876.2	6,044.5
Vehicle Quota Premiums	1,602.1	2,112.0	2,572.1	2,721.7	3,394.0	5,424.8	6,550.6
Fees and Charges (Excluding Vehicle Quota Premiums) [3]	2,384.3	2,587.2	2,707.7	2,903.0	3,010.5	3,248.9	3,208.9
Others [4]	225.8	302.0	416.1	250.0	323.8	502.2	505.7
Total Expenditure [5]	45,337.8	46,563.4	49,003.9	51,727.8	56,648.3	67,447.0	71,044.9
Social Development	20,102.1	21,659.5	21,877.4	24,179.4	27,206.8	31,292.6	33,839.4
Security and External Relations	14,637.5	14,805.7	15,397.4	16,093.6	17,196.1	18,451.6	19,541.0
Economic Development	9,156.5	8,570.2	9,824.8	9,573.8	10,146.8	15,540.7	15,300.5
Government Administration	1,441.7	1,528.0	1,904.4	1,881.0	2,098.6	2,162.2	2,363.9
Primary Surplus/Deficit	722.4	4,513.7	6,810.6	5,292.5	4,189.9	-2,623.9	-2,080.4
Special Transfers [6]	7,094.6	8,426.7	8,859.5	8,583.6	12,356.2	10,369.2	6,372.3
Special Transfers Excluding Top-ups to Endowment and Trust Funds	1,504.6	2,909.2	1,457.5	2,989.6	3,856.2	4,369.2	2,772.3
Basic Surplus/Deficit [7]	-782.3	1,604.5	5,353.0	2,302.9	333.7	-6,993.0	-4,852.7
Top-ups to Endowment and Trust Funds	5,590.0	5,517.5	7,402.0	5,594.0	8,500.0	6,000.0	3,600.0

(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 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 Returns Contribution.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14555

20.1 OVERALL FISCAL POSITION *(continued)*

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Net Investment Returns Contribution[8]	7,352.4	7,915.6	7,870.1	8,289.4	8,737.8	8,943.3	14,577.5
Overall Budget Surplus/Deficit	980.1	4,002.7	5,821.1	4,998.2	571.5	-4,049.7	6,124.8

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.

8 Refers to contributions from investment returns on reserves, where Net Investment Returns Contribution is the sum of:
(1) up to 50% of the long-term expected real return on the relevant assets specified in the Constitution; and
(2) up to 50% of the net investment income derived from past reserves from the remaining assets.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14555

20.2 GOVERNMENT OPERATING REVENUE

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Total [1]	46,060.2	51,077.2	55,814.5	57,020.3	60,838.2	64,823.2	68,964.4
Tax Revenue	41,848.0	46,076.1	50,118.5	51,145.6	54,109.8	55,647.3	58,699.3
Income Tax	18,686.8	20,578.9	22,411.4	22,049.9	23,940.0	24,890.4	26,378.0
Corporate Income Tax	10,686.6	12,096.3	12,821.3	12,679.6	13,371.5	13,815.1	13,602.2
Personal Income Tax	6,469.6	6,871.4	7,713.7	7,688.1	8,926.7	9,234.9	10,526.2
Withholding Tax [2]	957.4	1,258.0	1,337.3	1,152.4	1,125.9	1,402.0	1,474.1
Statutory Boards' Contributions	573.2	353.2	539.1	529.8	515.9	438.3	775.4
Assets Taxes	2,803.2	3,901.9	3,768.3	4,181.9	4,340.6	4,455.0	4,359.5
Property Tax	2,798.0	3,898.9	3,760.1	4,178.8	4,340.1	4,455.6	4,359.2
Estate Duty [3]	5.2	2.9	8.2	3.1	0.5	-0.6	0.3
Customs and Excise Duties	2,048.5	2,132.8	2,141.7	2,189.4	2,539.7	2,833.1	2,730.0
Liquors	469.5	495.9	516.6	518.3	634.0	637.6	639.7
Tobacco	889.1	967.1	969.1	1,042.8	1,227.7	1,205.2	985.9
Petroleum Products	418.8	416.4	414.8	414.2	419.4	583.8	595.9
Motor Vehicles	266.5	248.0	233.3	206.2	250.5	399.0	502.2
Compressed Natural Gas Unit Duty	na	0.7	3.2	2.8	2.6	2.2	1.5
Other Excise Duty	4.5	4.7	4.8	5.1	5.5	5.3	5.0
Goods and Services Tax	8,198.0	8,687.0	9,038.0	9,512.7	10,215.0	10,345.1	11,078.3
Motor Vehicle Taxes [4]	1,850.9	1,919.6	1,802.9	1,654.6	1,602.9	1,759.7	2,148.4
Betting Taxes [5]	2,278.7	2,373.4	2,304.8	2,378.8	2,591.0	2,719.0	2,682.0
Stamp Duty	3,276.5	3,175.1	4,309.5	3,929.9	2,783.6	2,768.9	3,278.5
Other Taxes [6]	2,705.6	3,307.3	4,341.8	5,248.4	6,097.1	5,876.2	6,044.5

(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=15192

20.2 GOVERNMENT OPERATING REVENUE (*continued*)

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Fees and Charges	3,986.4	4,699.1	5,279.8	5,624.7	6,404.5	8,673.6	9,759.5
Vehicle Quota Premiums	1,602.1	2,112.0	2,572.1	2,721.7	3,394.1	5,424.8	6,550.6
Fees and Charges (Excluding Vehicle Quota Premiums) [7]	2,384.3	2,587.2	2,707.7	2,903.0	3,010.4	3,248.8	3,208.9
Others [8]	225.8	302.0	416.1	250.0	323.8	502.2	505.7

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.

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=15192

20.3 GOVERNMENT OPERATING EXPENDITURE BY SECTOR

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Total Operating Expenditure [1]	33,270.1	35,150.0	36,420.8	39,724.9	42,685.2	48,090.4	52,128.9
Social Development	16,458.9	18,056.3	18,495.6	20,943.2	22,611.8	26,258.2	28,939.5
Education	8,998.7	9,697.8	9,637.3	10,664.9	10,712.4	11,235.7	11,812.2
National Development	789.5	1,428.0	948.8	673.3	857.9	1,331.6	2,284.1
Health	3,258.0	3,488.8	4,066.1	5,043.9	5,872.4	7,519.8	8,199.4
The Environment and Water Resources	720.0	726.4	812.7	957.5	1,048.5	1,125.1	1,200.7
Culture, Community and Youth [2]	na	na	364.5	1,003.0	1,335.0	1,794.6	1,444.0
Social and Family Development [2]	1,828.7	1,721.5	1,739.3	1,598.3	1,722.4	2,121.0	2,388.7
Communications and Information [2]	500.0	524.5	429.7	336.0	354.5	424.4	456.1
Manpower (Financial Security)	364.0	469.4	497.3	666.4	708.7	706.0	1,154.1
Security and External Relations	13,919.8	14,088.0	14,677.6	15,233.3	16,289.7	17,495.4	18,372.2
Defence	10,623.4	10,796.8	11,056.0	11,329.1	11,866.9	12,671.6	13,281.2
Home Affairs	2,936.8	2,947.4	3,266.3	3,521.9	4,029.1	4,377.1	4,652.0
Foreign Affairs	359.6	343.8	355.4	382.3	393.7	446.7	438.9
Economic Development	1,666.3	1,674.6	1,869.8	2,027.3	2,223.7	2,631.8	2,997.7
Transport	455.8	463.8	501.9	554.9	597.7	782.9	953.1
Trade and Industry	683.6	670.8	685.4	709.6	728.5	783.4	920.8
Manpower (excluding Financial Security)	439.1	379.9	455.9	495.9	519.8	611.1	634.2
Info-Communications and Media Development [2,3]	87.7	160.1	226.6	267.0	377.7	454.4	489.6
Government Administration	1,225.1	1,331.1	1,377.8	1,521.1	1,560.0	1,704.6	1,819.4
Finance	552.4	616.9	630.8	711.4	681.8	739.6	824.5
Law	119.2	122.9	162.7	167.3	176.8	173.9	180.5
Organs of State	313.2	318.1	325.5	352.3	383.6	410.2	440.1
Prime Minister's Office	240.3	273.3	258.8	290.2	317.8	380.9	374.2

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. 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.

3 Info-Communications and Media Development expenditure under the Economic Development sector refers to expenditure under the Infocomm Development Authority of Singapore and Media Development Authority prior to 1 October 2016. Thereafter, it refers to that of Info-communications Media Development Authority and Government Technology Agency of Singapore (from October 2016 to March 2017).

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10304

20.4 GOVERNMENT DEVELOPMENT EXPENDITURE BY SECTOR

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Total Development Expenditure [1]	12,067.8	11,413.4	12,583.2	12,003.0	13,963.1	19,356.6	18,916.1
Social Development	3,643.2	3,603.2	3,381.8	3,236.3	4,595.1	5,033.9	4,900.0
Education	876.7	1,042.5	859.6	973.4	886.0	699.0	656.7
National Development	1,646.4	1,572.1	1,353.7	900.7	1,307.9	1,321.0	1,248.0
Health	484.8	453.1	605.4	722.9	1,146.8	1,413.1	1,619.2
The Environment and Water Resources	406.0	349.0	352.3	325.2	427.3	567.3	683.8
Culture, Community and Youth [2]	na	na	95.3	212.5	617.1	778.6	506.8
Social and Family Development [2]	120.4	63.6	36.8	40.7	61.8	110.6	97.4
Communications and Information [2]	108.8	122.9	78.7	60.8	148.2	144.3	87.6
Manpower (Financial Security)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Security and External Relations	717.8	717.8	719.7	860.3	906.5	956.0	1,168.8
Defence	437.7	479.4	467.7	422.4	428.6	430.9	542.9
Home Affairs	240.4	194.1	207.0	378.9	437.9	505.8	572.8
Foreign Affairs	39.7	44.3	45.0	59.1	40.0	19.3	53.2
Economic Development	7,490.2	6,895.6	7,955.0	7,546.6	7,923.0	12,909.1	12,302.8
Transport	4,249.7	4,002.9	5,413.7	5,503.8	5,488.6	10,332.4	9,319.2
Trade and Industry	2,673.1	2,552.7	2,387.2	1,946.6	2,101.8	2,398.0	2,857.6
Manpower (excluding Financial Security)	42.4	61.7	27.7	28.3	36.7	25.5	20.5
Info-Communications and Media Development [2, 3]	524.9	278.2	126.4	67.9	295.9	153.2	105.4
Government Administration	216.6	196.9	526.6	359.8	538.5	457.4	544.5
Finance	21.1	29.9	24.1	25.2	43.9	53.4	71.7
Law	148.0	130.5	316.4	273.2	434.4	318.8	377.3
Organs of State	13.8	16.6	163.1	21.5	22.6	47.5	55.3
Prime Minister's Office	33.8	19.9	23.0	40.0	37.6	37.7	40.3

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.

3 Info-Communications and Media Development expenditure under the Economic Development sector refers to expenditure under the Infocomm Development Authority of Singapore and Media Development Authority prior to 1 October 2016. Thereafter, it refers to that of Info-communications Media Development Authority and Government Technology Agency of Singapore (from October 2016 to March 2017).

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14538

20.5 GOVERNMENT DEBT BY INSTRUMENT (as at End of Calendar Year)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	354,023.4	384,997.6	390,407.1	387,250.7	421,302.1	463,165.6	502,021.9
Domestic Debt	354,023.4	384,997.6	390,407.1	387,250.7	421,302.1	463,165.6	502,021.9
Registered Stocks and Bonds	279,635.0	304,946.0	333,943.8	362,741.4	396,598.8	438,900.9	477,882.8
Treasury Bills	59,100.0	60,000.0	38,800.0	8,000.0	8,500.0	9,000.0	9,500.0
Advance Deposits	15,288.4	20,051.6	17,663.3	16,509.3	16,203.3	15,264.7	14,639.1
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 Savings 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=14512

20.6 GOVERNMENT DEBT BY MATURITY (As at End of Calendar Year)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Domestic Debt (excluding Advance Deposits)	338,735.0	364,946.0	372,743.8	370,741.4	405,098.8	447,900.9	487,382.8
1 year maturity or less	84,615.5	83,815.5	68,894.0	32,554.0	38,854.0	36,212.0	41,800.0
More than 1 year maturity	254,119.5	281,130.5	303,849.8	338,187.4	366,244.8	411,688.9	445,582.8
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 Savings Bonds (SSB) 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=14507

20.7 TAXABLE INDIVIDUALS BY ASSESSED INCOME GROUP, YEAR OF ASSESSMENT 2016

	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.	1,762,751	22,798	71,514	143,496	324,266	244,533	186,366
Tax resident	No.	1,728,499	0	69,328	141,817	322,052	243,206	185,427
Non-tax resident [1]	No.	34,252	22,798	2,186	1,679	2,214	1,327	939
Assessable Income	$m	158,022	173	1,660	3,990	11,290	10,947	10,223
Tax resident	$m	157,030	0	1,611	3,944	11,213	10,888	10,171
Non-tax resident [1]	$m	992	173	49	46	76	59	51
Net Tax Assessed	$m	10,450	30	12	22	74	109	153
Tax resident	$m	10,274	0	3	14	61	98	144
Non-tax resident [1]	$m	175	30	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.	231,171	138,782	182,455	82,489	69,852	59,505	5,524
Tax resident	No.	230,022	138,151	181,790	82,226	69,633	59,352	5,495
Non-tax resident [1]	No.	1,149	631	665	263	219	153	29
Assessable Income	$m	15,969	12,395	22,194	14,200	16,897	27,500	10,585
Tax resident	$m	15,890	12,339	22,114	14,155	16,846	27,429	10,431
Non-tax resident [1]	$m	79	56	80	45	52	71	153
Net Tax Assessed	$m	349	370	987	950	1,586	3,843	1,963
Tax resident	$m	335	361	974	942	1,578	3,832	1,933
Non-tax resident [1]	$m	14	10	14	8	8	12	30

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. 2015 for Year of Assessment 2016).

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14548

20.8 TAXABLE COMPANIES BY CHARGEABLE INCOME GROUP, YEAR OF ASSESSMENT 2016

	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.	74,286	18,201	7,463	7,881	9,627	7,243
Tax resident	No.	72,247	17,850	7,235	7,632	9,295	7,055
Non-tax resident [1]	No.	2,039	351	228	249	332	188
Chargeable Income	$m	113,840	62	110	206	418	567
Tax resident	$m	103,566	60	106	200	404	553
Non-tax resident [1]	$m	10,274	1	3	6	14	14
Net Tax Assessed	$m	14,107	5	10	25	39	53
Tax resident	$m	12,825	5	10	25	37	51
Non-tax resident [1]	$m	1,282	0	0	1	1	1

	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.	10,396	3,307	3,409	3,478	993	2,288
Tax resident	No.	10,178	3,224	3,313	3,375	953	2,137
Non-tax resident [1]	No.	218	83	96	103	40	151
Chargeable Income	$m	1,762	1,289	2,420	6,019	3,822	97,167
Tax resident	$m	1,727	1,257	2,351	5,828	3,660	87,421
Non-tax resident [1]	$m	35	32	68	191	162	9,747
Net Tax Assessed	$m	169	154	340	932	602	11,779
Tax resident	$m	165	150	330	902	576	10,573
Non-tax resident [1]	$m	3	4	10	30	26	1,206

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=14549

20.9 TAXABLE COMPANIES BY ECONOMIC SECTOR , YEAR OF ASSESSMENT 2016

	No. of Companies	Chargeable Income ($m)	Net Tax Assessed ($m)
Total	74,286	113,840	14,107
Manufacturing	5,155	13,226	1,449
Construction	5,981	3,117	489
Utilities [1]	194	802	135
Other Goods Industries [2]	170	1,095	85
Wholesale & Retail Trade	20,094	27,371	2,908
Accommodation & Food Service Activities	2,441	1,285	205
Transportation & Storage	3,808	5,691	857
Information & Communications	3,498	4,234	518
Financial & Insurance Activities	9,023	33,272	4,196
Real Estate & Business Activities [3]	17,587	21,357	2,922
Others [4]	6,335	2,391	344

Source : Inland Revenue Authority of Singapore

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

1 Includes Electricity, Gas, Steam & 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=14566

20.10 SOURCES AND USES OF DEVELOPMENT FUND

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Balance (Beginning of Financial Year)	89,015	98,712	103,567	104,202	100,736	98,498	94,654
Sources							
Total	26,608	20,461	17,364	14,825	18,162	25,040	27,637
Consolidated Revenue Account	16,441	12,200	8,685	5,579	7,200	14,000	17,772
Consolidated Loan Account	0	0	0	0	0	0	0
Others	10,167	8,261	8,679	9,247	10,962	11,040	9,865
Uses							
Total	16,910	15,606	16,730	18,291	20,399	28,884	27,386
Government Development Expenditure	13,710	12,929	13,855	13,222	15,331	20,759	20,689
Loans to Statutory Boards & Enterprises	3,200	2,677	2,875	5,069	5,068	8,125	6,697
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=14578

20.11 GENERAL GOVERNMENT FINANCE

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Cash surplus/Deficit [1]	24,407	31,889	31,185	31,006	28,332	17,778	22,209
Net cash inflow from operating activities	14,277	14,927	18,781	18,721	19,428	8,772	17,735
Cash receipts from operating activities	54,864	59,806	64,449	66,350	71,894	76,208	81,396
Cash payments for operating activities	40,587	44,879	45,668	47,629	52,466	67,436	63,661
Net cash outflow from investments in non-financial assets	-10,130	-16,962	-12,404	-12,285	-8,904	-9,006	-4,474
Purchases of non-financial assets	6,172	5,904	6,032	5,265	6,022	6,536	8,041
Sales of non-financial assets	16,302	22,866	18,436	17,550	14,926	15,542	12,515
Net cash inflow from financing activities [2]	35,171	39,364	32,448	-15,314	15,454	37,567	41,995
Net incurrence of liabilities	31,331	36,461	29,457	-14,899	14,652	40,115	43,201
Domestic	31,331	36,461	29,457	-14,899	14,652	40,115	43,201
Foreign	0	0	0	0	0	0	0
Net acquisition of financial assets other than cash	-3,840	-2,903	-2,991	415	-802	2,548	1,206
Domestic excluding cash	-3,840	-2,903	-2,991	415	-802	2,548	1,206
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 FY2015 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 Reflects the net issuance of Government securities and lending minus repayments.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14928

20.12 GOVERNMENT FINANCE

Million Dollars

	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Cash surplus/deficit [1]	19,621	27,366	25,321	25,262	22,358	11,006	13,879
Net cash inflow from operating activities	9,491	10,404	12,917	12,977	13,454	2,000	9,405
Cash receipts from operating activities	53,451	58,454	62,932	64,750	69,973	74,244	78,511
Cash payments for operating activities	43,959	48,050	50,015	51,773	56,519	72,244	69,106
Net cash outflow from investments in non-financial assets	-10,130	-16,962	-12,404	-12,285	-8,904	-9,006	-4,474
Purchases of non-financial assets	6,172	5,904	6,032	5,265	6,022	6,536	8,041
Sales of non-financial assets	16,302	22,866	18,436	17,550	14,926	15,542	12,515
Net cash inflow from financing activities [2]	35,171	39,364	32,447	-15,314	15,454	37,567	41,995
Net incurrence of liabilities	31,331	36,461	29,457	-14,899	14,652	40,115	43,201
Domestic	31,331	36,461	29,457	-14,899	14,652	40,115	43,201
Foreign	0	0	0	0	0	0	0
Net acquisition of financial assets other than cash	-3,840	-2,903	-2,991	415	-802	2,548	1,207
Domestic excluding cash	-3,840	-2,903	-2,991	415	-802	2,548	1,207
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 Reflects the net issuance of Government securities and lending minus repayments.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14571

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 Manufacturing Activities. 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. Prices of imported goods and ex-factory prices are collected from selected importers and local manufacturers respectively every month.

Indices at the commodity division and commodity section levels can be found on the SingStat Website via the following selections: Economy → Prices and Price Indices → Producer Price Indices. Analyses of price changes are published in the monthly report 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.

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 and Price Indices → International Trade Price Indices. Analyses of price changes are available in the monthly report on Import & Export Price Indices.

Construction Material Market Prices

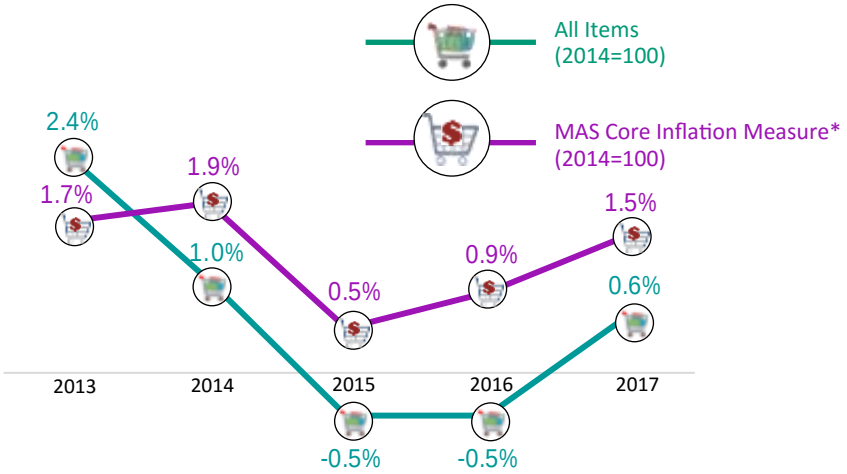
The Building and Construction Authority (BCA) compiles data on construction material market prices. Construction material market prices are computed based on the average market prices of construction materials for the respective years.

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. Since the fourth quarter of 2013, the Industrial Property Price Index, previously released by URA, has been compiled by the JTC Corporation.

Key Indicators

Consumer Price Index (Year-on-Year Change)



* Excludes the components of "Accommodation" and "Private Road Transport"

Singapore Manufactured Products Price Index (Year-on-Year Change)

2016	2017	3.8%
2015	2016	-5.5%
2014	2015	-9.2%
2013	2014	-3.4%
2012	2013	-3.1%

21.1 CONSUMER PRICE INDEX

(2014 = 100)

Division and Group	Weights [1]	2011	2012	2013	2014	2015	2016	2017
	Consumer Price Index							
All Items	10,000	92.5	96.7	99.0	100.0	99.5	98.9	99.5
Food	2,167	93.0	95.1	97.1	100.0	101.9	104.0	105.5
Clothing & Footwear	273	99.0	100.5	100.8	100.0	100.1	100.3	100.9
Housing & Utilities	2,625	89.6	97.1	99.9	100.0	96.5	92.5	90.2
Household Durables & Services	475	91.4	93.6	98.2	100.0	99.4	101.2	102.2
Health Care	615	89.8	93.7	97.3	100.0	99.9	101.0	103.5
Transport	1,579	92.4	99.0	101.2	100.0	98.6	96.2	98.7
Communication	385	101.7	101.6	100.2	100.0	100.3	99.9	100.5
Recreation & Culture	788	96.2	97.1	98.2	100.0	100.3	101.2	101.6
Education	615	89.5	93.1	96.7	100.0	103.4	106.6	109.8
Miscellaneous Goods & Services	478	95.9	96.9	98.7	99.9	99.9	100.1	100.3
All Items less Imputed Rentals on Owner-Occupied Accommodation [2]	8,101	93.6	97.0	98.8	100.0	100.1	100.3	102.0
All Items less Accommodation	7,713	93.7	96.9	98.8	100.0	100.1	100.4	102.3
MAS Core Inflation Measure [3]	6,564	94.0	96.4	98.1	100.0	100.5	101.4	102.8
	Percentage Change Over Previous Year							
All Items	10,000	5.2	4.6	2.4	1.0	-0.5	-0.5	0.6
Food	2,167	3.0	2.3	2.1	2.9	1.9	2.1	1.4
Clothing & Footwear	273	0.1	1.5	0.3	-0.8	0.1	0.2	0.6
Housing & Utilities	2,625	9.0	8.4	2.8	0.1	-3.5	-4.1	-2.5
Household Durables & Services	475	6.4	2.4	4.9	1.8	-0.6	1.8	1.1
Health Care	615	2.4	4.4	3.8	2.8	-0.1	1.1	2.5
Transport	1,579	11.9	7.1	2.3	-1.2	-1.4	-2.4	2.6
Communication	385	-1.5	-0.1	-1.4	-0.2	0.3	-0.4	0.6
Recreation & Culture	788	-1.4	1.0	1.1	1.8	0.3	0.9	0.3
Education	615	3.6	4.1	3.8	3.4	3.4	3.1	3.0
Miscellaneous Goods & Services	478	0.9	1.1	1.9	1.2	0.0	0.3	0.1
All Items less Imputed Rentals on Owner-Occupied Accommodation [2]	8,101	4.2	3.6	1.9	1.2	0.1	0.3	1.7
All Items less Accommodation	7,713	4.2	3.5	1.9	1.2	0.1	0.3	1.8
MAS Core Inflation Measure [3]	6,564	2.2	2.5	1.7	1.9	0.5	0.9	1.5

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 Excludes the components of "Accommodation" and "Private Road Transport".

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21.2 CONSUMER PRICE INDEX FOR HOUSEHOLDS IN DIFFERENT INCOME GROUPS

(2014 = 100)

Income Group		All Items	Food	Clothing & Footwear	Housing & Utilities	House-hold Durables & Services	Health Care	Transport	Comm-unication	Recrea-tion & Culture	Education	Miscella-neous Goods & Services	All Items less Imputed Rentals on Owner-Occupied Accommod-ation [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											
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
2017													
Lowest	20%	97.7	105.1	101.5	90.3	101.8	99.2	100.4	100.1	102.0	107.2	100.2	101.6
Middle	60%	99.7	105.4	100.8	90.0	101.9	103.3	100.0	100.4	101.5	109.5	100.1	102.3
Highest	20%	99.6	105.7	100.8	90.4	102.6	105.1	97.3	100.8	101.6	110.2	100.4	101.8
		Percentage Change Over Previous Year											
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
2017													
Lowest	20%	-0.1	1.5	0.8	-2.6	0.8	3.2	1.0	0.5	0.0	3.1	-0.1	1.8
Middle	60%	0.5	1.4	0.5	-2.6	0.8	2.6	2.3	0.6	0.2	3.0	-0.1	1.7
Highest	20%	0.8	1.3	0.7	-2.4	1.3	2.1	3.0	0.5	0.4	3.1	0.5	1.8

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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21.3 PRICE INDICES OF SELECTED CONSUMER ITEMS

(2014 = 100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Health Care								
Medical & Dental Treatment	475	88.5	92.8	96.8	100.0	99.6	101.0	104.3
Consultation Fees at Polyclinics & General Practitioners	57	91.7	96.6	99.6	100.0	87.7	89.5	91.6
Transport								
Petrol	250	94.0	97.0	99.4	100.0	95.3	91.5	99.9
Overall Bus & Train Fares	174	97.0	97.8	97.8	100.0	102.7	101.7	97.5
Taxi Fares	105	89.0	99.1	99.2	100.0	100.3	100.7	100.7
Education								
Miscellaneous Fees for Primary Schools	25	82.8	82.8	99.7	100.0	100.0	100.0	100.0
School & Miscellaneous Fees for Secondary Schools & Junior Colleges	40	84.3	86.7	101.6	100.0	100.1	101.3	103.6
Tuition Fees for Polytechnics & Local Universities	107	90.2	93.6	97.0	100.0	102.7	105.6	108.4

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.

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21.4 AVERAGE RETAIL PRICES OF SELECTED CONSUMER ITEMS

Dollar

Item	Unit	2011	2012	2013	2014	2015	2016	2017
Bread & Cereals								
Thai Rice 100% Fragrant	Per 5 kg pkt	12.45	12.67	12.78	13.07	13.07	13.13	13.01
Ordinary White Bread	Per 400 g	1.45	1.46	1.49	1.57	1.60	1.62	1.63
Vitamin Enriched Bread	Per 400 g	1.60	1.60	1.68	1.88	1.88	1.88	1.80
Wholemeal Bread	Per 420 g	na	na	na	2.14	2.14	2.14	2.14
Instant Noodles	Per 5 pkts	2.23	2.23	2.23	2.21	2.19	2.26	2.26
Meat								
Chilled Lean Pork	Per kg	12.75	13.07	13.14	13.21	13.32	13.81	13.70
Chilled Streaky Pork	Per kg	13.91	14.40	14.67	14.88	15.04	15.76	15.73
Chilled Pork Rib Bones	Per kg	16.13	16.48	16.40	16.44	16.72	17.20	17.33
Chilled Beef	Per kg	21.23	21.96	21.43	21.64	22.15	22.93	23.26
Chilled Mutton	Per kg	17.60	17.79	17.89	17.79	18.15	18.27	18.27
Hen	Per kg	5.82	5.87	5.96	6.14	6.11	6.35	6.58
Chilled Chicken Wing	Per kg	na	na	na	7.87	7.89	8.04	8.03
Duck	Per kg	6.78	6.75	6.87	6.83	6.95	7.09	7.33
Fish & Seafood								
Cod Fish	Per kg	46.30	48.85	49.58	48.60	51.61	59.51	65.05
Gold Banded Scad (Kuning)	Per kg	6.11	6.57	6.57	6.77	6.96	6.98	7.25
Flowery Grouper	Per kg	14.28	14.62	14.63	13.79	13.88	14.44	14.19
White Pomfret	Per kg	24.28	24.76	24.70	25.02	26.29	27.66	28.69
Salmon	Per kg	26.17	25.41	26.23	27.42	27.26	28.87	31.28
Sea Bass	Per kg	12.15	12.46	12.29	12.35	11.97	12.45	12.19
Sea Bream (Kerisi)	Per kg	7.56	8.27	8.43	8.61	8.60	8.81	9.01
Golden Snapper	Per kg	16.74	16.77	17.71	18.04	18.78	18.66	18.57
Spanish Mackerel (Tenggiri)	Per kg	10.44	10.97	11.07	11.36	11.61	11.57	12.20
Kurau (Cut)	Per kg	44.36	44.80	48.53	51.18	52.93	56.95	57.28
Small Prawns	Per kg	10.47	11.17	11.69	12.92	13.19	13.39	14.07
Medium Prawns	Per kg	16.91	17.23	17.88	18.69	18.65	18.80	19.15
Large Prawns	Per kg	24.01	23.53	24.71	24.78	24.71	24.50	25.04
Squids	Per kg	11.15	11.32	11.97	12.72	13.30	14.51	14.97
Fish Balls	Per 10	1.88	1.91	1.90	1.92	1.97	2.05	2.07
Milk, Cheese & Eggs								
Fresh Milk	Per 1 litre pkt	2.85	2.88	2.93	2.87	2.84	2.81	2.81
Infant Milk Powder	Per 900 g tin	38.81	40.28	44.30	51.01	53.69	56.06	56.65
Cheese	Per pkt of 12 slices	5.06	5.07	4.85	4.74	4.77	4.56	4.48
Hen Eggs	Per 10	1.98	1.88	1.94	2.14	2.22	2.17	2.09

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	2011	2012	2013	2014	2015	2016	2017
Oil & Fats								
Cooking Oil	Per 2 kg bottle	6.04	5.99	5.67	6.50	6.31	6.00	5.96
Fruits								
Bananas (Emas)	Per kg	1.56	1.65	1.81	2.12	2.18	2.31	2.35
Papaya	Per kg	1.68	1.79	1.92	2.15	1.96	1.97	1.96
Watermelon	Per kg	1.31	1.34	1.46	1.65	1.61	1.52	1.55
Orange	Each	0.34	0.34	0.36	0.35	0.39	0.43	0.44
Apple	Each	0.38	0.40	0.42	0.45	0.45	0.43	0.42
Grapes	Per kg	7.66	7.88	8.43	8.92	9.25	9.26	9.69
Pear	Each	0.92	0.93	0.95	0.97	0.94	0.99	1.01
Vegetables								
Broccoli	Per kg	6.80	7.54	7.38	6.06	5.90	6.31	6.09
Cabbage	Per kg	1.81	1.91	1.94	2.01	2.09	2.26	2.25
Kale	Per kg	4.11	4.13	4.31	5.14	5.17	5.89	5.82
Small Mustard	Per kg	3.16	2.97	3.04	3.20	3.18	3.32	3.33
Spinach (Bayam)	Per kg	2.83	2.79	2.81	2.79	2.78	2.81	2.88
Tomatoes	Per kg	1.96	2.00	2.20	2.33	2.37	2.25	2.27
Potatoes	Per kg	1.79	1.71	1.78	1.95	1.98	2.07	2.18
Carrots	Per kg	1.95	1.96	1.98	2.04	2.07	2.13	2.16
Sugar, Preserves & Confectionery								
Sugar	Per 2 kg pkt	3.37	3.34	3.28	3.19	3.13	3.09	3.19
Non-Alcoholic Beverages								
Instant Coffee	Per 200 g bottle	9.79	10.07	9.96	9.94	10.11	10.27	10.34
Aerated Soft Drinks	Per 330 ml can	0.65	0.67	0.68	0.68	0.69	0.69	0.70
Non-Aerated, Soft Drinks	Per 6 pkts of 250 ml	2.36	2.38	2.42	2.49	2.46	2.40	2.33
Alcoholic Drinks & Tobacco								
Beer	Per 330 ml can	3.09	3.10	3.10	3.22	3.30	3.26	3.15
Cigarettes	Per 20-stick pack	10.73	10.80	10.86	11.82	11.99	12.04	12.11
Petroleum Related Products								
Diesel	Per litre	1.46	1.50	1.51	1.50	1.17	1.04	1.34
Petrol, 98 Octane	Per litre	2.04	2.13	2.20	2.22	2.19	2.17	2.33
Petrol, 95 Octane	Per litre	1.96	2.00	2.05	2.05	1.92	1.82	2.00
Petrol, 92 Octane	Per litre	1.90	1.95	1.99	2.00	1.87	1.77	1.95
Liquefied Petroleum Gas	Per kg	3.09	3.15	3.20	3.34	3.04	3.08	3.35

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]	2011	2012	2013	2014	2015	2016	2017
All Items	10,000	99.5	100.0	97.3	94.1	79.7	74.1	79.4
Non-Oil Items	6,300	100.7	100.0	98.2	97.2	95.9	92.6	93.6
Food & Live Animals	327	102.7	100.0	101.9	104.8	101.7	99.7	101.6
Live animals	14	103.6	100.0	101.9	103.8	102.8	101.9	99.4
Meat & meat preparations	44	101.7	100.0	101.1	103.3	100.3	97.3	102.8
Dairy products & birds' eggs	72	107.2	100.0	109.4	116.2	100.3	90.8	97.0
Fish, seafood & preparations	23	101.5	100.0	98.5	100.6	103.9	109.6	111.7
Cereals & cereal preparations	49	101.7	100.0	102.2	102.9	102.6	100.8	102.0
Vegetables & fruit	26	99.6	100.0	106.7	108.6	110.9	104.3	106.9
Sugar, sugar preparations & honey	13	105.7	100.0	92.8	88.3	85.6	92.5	94.2
Coffee, tea, cocoa, spices & manufactures	27	105.9	100.0	93.2	101.5	106.0	113.1	100.1
Animal feeding stuff (excl unmilled cereals)	4	96.7	100.0	100.0	104.4	103.8	104.7	106.2
Miscellaneous food preparations	55	101.0	100.0	98.5	99.0	100.1	100.3	102.2
Beverages & Tobacco	44	100.5	100.0	99.9	101.0	101.9	101.5	99.8
Beverages	31	99.2	100.0	99.4	100.5	100.8	99.4	98.7
Tobacco & manufactures	13	103.0	100.0	101.1	102.3	104.4	106.3	102.3
Crude Materials (excl fuels)	59	99.6	100.0	99.4	100.5	96.5	87.9	87.1
Hides, skins & furskins raw	2	na	100.0	106.5	108.0	106.0	97.0	90.0
Oil seeds & oleaginous fruits	1	95.4	100.0	99.0	96.0	102.3	96.4	95.8
Crude rubber	2	132.4	100.0	99.9	103.8	101.4	94.1	93.4
Cork & wood	5	95.8	100.0	96.1	94.7	96.0	92.2	91.4
Textile fibres & their wastes	1	na	100.0	104.1	107.8	108.6	111.2	107.6
Crude fertilizers & minerals	31	98.3	100.0	99.8	100.1	93.9	81.8	79.7
Metalliferous ores & metal scrap	11	90.8	100.0	93.9	95.6	90.2	87.1	92.5
Crude animal & vegetable materials nes	6	99.9	100.0	108.5	114.6	116.4	109.5	105.4
Mineral Fuels, Lubricants & Related Materials	3,700	97.6	100.0	95.9	88.7	52.1	42.6	55.2
Petroleum & products & related materials	3,527	97.6	100.0	95.6	88.4	51.7	42.1	54.5
Gas	173	94.0	100.0	101.5	93.9	59.9	52.5	69.5

(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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21.5 DOMESTIC SUPPLY PRICE INDEX *(continued)*

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Animal & Vegetable Oils,								
Fats & Waxes	44	104.9	100.0	84.9	84.2	74.2	78.0	79.9
Fixed vegetable fats & oils	32	103.9	100.0	83.6	83.6	72.4	80.0	82.5
Animal & vegetable oils, fats & waxes nes	12	110.1	100.0	88.5	85.8	79.2	72.4	72.4
Chemicals & Chemical Products	1,181	100.7	100.0	100.1	98.8	86.2	82.4	87.0
Organic chemicals	612	101.8	100.0	102.0	100.6	79.6	74.9	83.1
Inorganic chemicals	64	98.8	100.0	87.8	83.9	83.5	82.8	85.6
Dyeing, tanning & colouring materials	17	98.0	100.0	93.5	92.3	90.5	88.7	89.4
Medicinal & pharmaceutical products	102	98.1	100.0	95.1	92.0	85.4	83.7	79.5
Essential oils & perfume; toilet cleaning products	30	100.1	100.0	100.6	101.8	98.8	98.8	97.4
Plastics in primary forms	92	103.8	100.0	101.4	103.7	90.8	83.6	89.0
Plastics in non-primary forms	24	101.9	100.0	100.9	101.3	100.6	98.3	98.7
Chemical materials & products nes	240	97.1	100.0	100.6	99.3	99.0	96.2	97.2
Manufactured Goods	668	104.1	100.0	97.4	96.7	94.8	89.1	92.5
Leather manufactures nes	2	97.9	100.0	107.1	120.2	122.5	125.5	129.8
Rubber manufactures nes	18	98.3	100.0	96.4	94.5	98.1	96.0	96.3
Wood & cork manufactures (excl furniture)	7	99.4	100.0	99.7	100.3	101.2	102.2	104.2
Paper manufactures	67	102.7	100.0	99.1	99.1	100.4	98.8	99.2
Textile manufactures	11	103.8	100.0	98.2	98.9	101.0	100.7	99.6
Non-metal mineral manufactures nes	130	98.9	100.0	100.9	102.4	102.6	97.1	95.7
Iron & steel	148	106.7	100.0	94.6	92.1	85.0	75.2	81.1
Non-ferrous metals	118	110.5	100.0	94.6	91.9	86.5	81.8	92.5
Manufactures of metals nes	167	101.1	100.0	98.5	98.6	99.5	94.0	95.8

(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=13515

21.5 DOMESTIC SUPPLY PRICE INDEX *(continued)*

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Machinery & Transport Equipment	3,229	100.3	100.0	97.4	95.9	98.6	95.1	94.2
Power-generating machinery & equipment	176	96.1	100.0	103.4	108.8	120.2	124.5	127.9
Machinery specialized for particular industries	188	102.4	100.0	97.8	97.0	96.8	94.7	95.3
Metal working machinery	6	100.4	100.0	99.3	98.2	98.7	101.2	101.0
General industrial machinery	149	100.3	100.0	100.2	101.4	102.1	101.7	102.1
Office machines & data-processing machines	234	102.3	100.0	97.9	98.1	99.6	98.8	98.4
Telecommunication apparatus	233	106.1	100.0	91.9	79.7	76.8	73.2	69.6
Electrical machinery apparatus nes, electrical parts	2,176	99.1	100.0	97.2	95.6	98.8	93.9	92.6
Road vehicles	67	100.9	100.0	98.7	105.2	105.8	106.7	108.3
Miscellaneous Manufactured Articles	748	97.7	100.0	97.9	98.0	98.5	99.0	99.6
Prefabricated building, sanitary plumbing, lighting nes	10	95.6	100.0	100.3	100.8	102.0	99.0	100.6
Furniture, bedding, mattresses, cushions & others	51	100.8	100.0	99.7	100.9	102.5	104.1	109.6
Travel goods, handbags & similar containers	22	97.7	100.0	103.7	110.7	116.6	118.8	118.2
Articles of apparel & clothing accessories	24	95.2	100.0	103.4	105.5	107.4	107.9	106.6
Footwear	14	99.7	100.0	100.2	103.8	103.1	104.7	105.1
Professional scientific & controlling instruments nes	312	100.4	100.0	100.0	100.9	100.7	100.2	101.2
Photographic & optical goods nes; watches & clocks	93	98.4	100.0	98.4	98.8	98.4	97.0	95.7
Miscellaneous manufactured articles nes	222	95.8	100.0	93.1	90.5	91.4	93.5	93.6

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=13515

21.6 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
All Items	10,000	99.6	100.0	96.9	93.6	85.0	80.4	83.4
Non-Oil Items	7,782	100.2	100.0	97.2	94.8	92.7	89.8	90.4
Food & Live Animals	266	101.3	100.0	101.3	104.9	103.5	102.6	102.5
Meat & meat preparations	22	101.7	100.0	100.7	101.5	100.0	99.5	99.9
Dairy products & birds' eggs	58	103.2	100.0	106.6	109.7	102.3	94.1	97.0
Fish, seafood & preparations	7	100.2	100.0	98.6	107.5	109.0	111.2	118.8
Cereals & cereal preparations	44	99.5	100.0	101.6	104.1	105.2	106.2	108.9
Vegetables & fruit	4	97.8	100.0	100.0	100.0	101.9	103.3	104.3
Sugar, sugar preparations & honey	2	na	100.0	101.0	109.6	95.5	92.2	99.7
Coffee, tea, cocoa, spices & manufactures	31	103.9	100.0	93.8	109.5	106.2	113.2	98.7
Animal feeding stuff (excl unmilled cereals)	9	97.9	100.0	97.7	103.6	104.4	104.3	104.1
Miscellaneous food preparations	89	100.4	100.0	101.2	101.6	103.1	102.8	103.3
Beverages & Tobacco	54	98.9	100.0	99.9	100.6	101.4	101.8	97.3
Beverages	27	97.3	100.0	99.4	100.5	101.7	99.4	97.1
Tobacco & manufactures	27	101.2	100.0	100.4	100.7	101.2	104.2	97.5
Crude Materials (excl fuels)	7	100.4	100.0	101.7	104.2	104.9	109.0	108.8
Cork & wood	1	97.1	100.0	115.0	117.4	117.6	116.9	124.1
Crude fertilizers & minerals	3	101.5	100.0	102.7	107.9	109.3	118.6	117.3
Metalliferous ores & metal scrap	3	100.0	100.0	98.5	98.5	98.5	98.4	98.1
Mineral Fuels, Lubricants & Related Materials	2,218	98.5	100.0	96.0	89.6	58.3	47.1	58.9
Petroleum & products & related materials	2,187	98.5	100.0	96.0	89.6	58.4	47.2	58.9
Gas	31	94.0	100.0	96.7	90.0	51.5	41.4	60.7
Animal & Vegetable Oils, Fats & Waxes	28	99.3	100.0	87.2	94.3	90.1	95.2	99.9
Fixed vegetable fats & oils	16	100.5	100.0	87.0	101.5	99.4	113.6	122.0
Animal & vegetable oils, fats & waxes nes	12	na	100.0	87.5	84.7	78.0	71.0	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.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13516

21.6 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX *(continued)*

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Chemicals & Chemical Products	2,335	102.3	100.0	100.4	99.1	88.1	86.4	90.8
Organic chemicals	1,402	102.8	100.0	99.9	97.0	82.0	82.0	88.3
Inorganic chemicals	56	96.1	100.0	95.0	91.7	89.2	84.1	84.3
Dyeing, tanning & colouring materials	33	99.8	100.0	97.2	96.7	94.7	90.6	92.6
Medicinal & pharmaceutical products	157	99.3	100.0	100.3	101.0	104.0	99.8	99.9
Essential oils & perfume; toilet cleaning products	64	103.1	100.0	95.8	97.2	100.1	102.6	107.5
Plastics in primary forms	323	105.1	100.0	104.2	107.1	91.8	85.6	91.5
Plastics in non-primary forms	38	101.9	100.0	102.7	103.8	102.5	100.1	96.3
Chemical materials & products nes	262	98.4	100.0	101.0	101.3	100.5	96.3	93.7
Manufactured Goods	439	102.1	100.0	99.6	98.9	98.0	94.3	95.9
Leather manufactures nes	5	96.8	100.0	107.1	120.2	122.5	125.5	129.8
Rubber manufactures nes	18	94.8	100.0	98.7	98.9	104.7	107.1	109.0
Wood & cork manufactures (excl furniture)	8	99.7	100.0	99.6	100.1	100.9	102.0	103.8
Paper manufactures	44	99.5	100.0	103.2	104.1	103.8	100.1	100.9
Textile manufactures	10	110.6	100.0	100.0	100.0	101.6	102.2	103.6
Non-metal mineral manufactures nes	77	101.7	100.0	99.9	102.2	100.1	96.5	96.1
Iron & steel	63	104.1	100.0	96.6	91.6	86.3	74.6	71.8
Non-ferrous metals	31	107.9	100.0	97.8	95.9	92.9	89.7	100.6
Manufactures of metals nes	183	101.9	100.0	99.8	98.6	99.1	96.8	99.2
Machinery & Transport Equipment	3,900	98.6	100.0	94.4	90.6	93.7	89.7	87.8
Power-generating machinery & equipment	33	96.5	100.0	94.5	91.5	94.6	91.5	92.7
Machinery specialized for particular industries	376	100.7	100.0	97.3	93.9	94.6	89.1	91.3
Metal working machinery	21	100.2	100.0	103.2	103.2	97.4	96.3	96.6
General industrial machinery	167	99.0	100.0	98.9	99.7	100.7	101.0	101.3
Office machines & data-processing machines	1,143	100.9	100.0	87.4	79.7	82.8	82.2	79.6
Telecommunication apparatus	49	98.4	100.0	101.3	99.9	102.5	101.5	100.3
Electrical machinery apparatus nes, electrical parts	2,076	96.9	100.0	97.1	94.6	98.4	92.3	89.6
Road vehicles	35	99.2	100.0	101.7	108.2	111.4	113.9	115.3
Miscellaneous Manufactured Articles	753	102.2	100.0	98.8	96.4	93.8	92.8	94.6
Furniture, bedding, mattresses, cushions & others	31	97.6	100.0	100.2	102.4	105.5	109.4	117.7
Travel goods, handbags & similar containers	1	92.7	100.0	103.7	110.5	115.8	115.4	113.9
Articles of apparel & clothing accessories	27	93.9	100.0	96.8	93.8	102.9	98.5	96.4
Professional scientific & controlling instruments	327	100.8	100.0	98.4	97.9	94.5	94.0	94.3
Photographic & optical goods nes; watches & clocks	21	99.0	100.0	101.0	101.7	102.1	82.6	81.4
Miscellaneous manufactured articles nes	346	104.7	100.0	99.0	94.2	90.8	90.3	93.4

1 The weights for Singapore Manufactured Products Price Index are compiled based on the production value of the commodity item in 2011.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13516

21.7 IMPORT PRICE INDEX

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
All Items	10,000	100.3	100.0	97.2	94.5	82.5	78.1	82.7
Non-Oil Items	6,684	101.3	100.0	97.9	97.3	97.7	95.7	96.3
Food & Live Animals	215	102.6	100.0	100.9	104.2	101.5	99.0	100.6
Live animals	9	103.5	100.0	101.6	103.6	102.9	101.7	99.2
Meat & meat preparations	26	100.8	100.0	101.3	104.4	100.8	96.5	104.4
Dairy products & birds' eggs	28	106.8	100.0	111.5	121.5	98.0	87.3	95.8
Fish, seafood & preparations	28	102.0	100.0	99.1	101.5	104.5	109.5	111.1
Cereals & cereal preparations	21	102.5	100.0	102.3	100.7	98.6	93.6	92.5
Vegetables & fruit	37	101.6	100.0	105.2	108.5	111.1	104.3	107.2
Sugar, sugar preparations & honey	12	106.1	100.0	92.5	87.8	84.5	91.4	93.4
Coffee, tea, cocoa, spices & manufactures	28	100.4	100.0	96.5	105.0	109.2	109.6	97.9
Animal feeding stuff (excl unmilled cereals)	3	93.3	100.0	101.6	105.1	102.2	103.7	106.8
Miscellaneous food preparations	23	103.4	100.0	90.6	90.5	89.2	89.2	93.4
Beverages & Tobacco	86	98.5	100.0	101.1	102.1	104.7	104.4	105.1
Beverages	66	96.4	100.0	100.8	101.4	103.3	103.1	103.5
Tobacco & manufactures	20	103.3	100.0	102.1	104.4	109.2	108.8	110.2
Crude Materials (excl fuels)	83	106.2	100.0	95.7	93.4	88.0	81.8	84.0
Hides, skins & furskins raw	1	93.9	100.0	106.5	108.0	106.0	97.0	90.0
Oil seeds & oleaginous fruits	1	95.4	100.0	96.1	91.6	101.2	96.4	96.2
Crude rubber	17	133.9	100.0	82.9	67.6	56.2	56.1	64.3
Cork & wood	5	96.1	100.0	94.6	93.3	95.0	91.0	89.3
Textile fibres & their wastes	3	90.7	100.0	103.7	102.9	102.1	102.8	97.3
Crude fertilizers & minerals	26	98.1	100.0	99.6	99.9	94.7	82.6	79.9
Metalliferous ores & metal scrap	21	93.3	100.0	94.5	94.3	87.9	83.4	92.0
Crude animal & vegetable materials nes	9	100.1	100.0	107.9	116.4	115.7	107.9	104.3
Mineral Fuels, Lubricants & Related Materials	3,316	97.4	100.0	95.9	88.8	52.0	42.8	55.4
Petroleum & products & related materials	3,152	97.4	100.0	95.5	88.5	51.5	42.2	54.6
Gas	164	na	100.0	102.1	94.3	60.8	53.7	70.4
Animal & Vegetable Oils, Fats & Waxes	37	108.8	100.0	83.1	82.1	70.1	76.0	78.8
Fixed vegetable fats & oils	36	110.9	100.0	82.6	81.6	69.4	75.7	78.6
Animal & vegetable oils, fats & waxes nes	1	108.8	100.0	97.7	95.5	90.3	85.2	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.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13523

21.7 IMPORT PRICE INDEX *(continued)*

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Chemicals & Chemical Products	694	100.5	100.0	98.9	97.9	92.0	88.1	90.8
Organic chemicals	188	103.6	100.0	99.0	95.8	83.9	76.2	82.4
Inorganic chemicals	34	101.1	100.0	81.4	77.8	79.7	82.8	88.3
Dyeing, tanning & colouring materials	28	97.5	100.0	92.5	90.9	88.3	87.5	87.9
Medicinal & pharmaceutical products	70	97.3	100.0	96.6	94.2	88.8	87.6	84.1
Essential oils & perfume; toilet cleaning products	75	101.9	100.0	100.9	102.7	102.0	102.7	102.7
Plastics in primary forms	147	101.5	100.0	103.0	105.8	96.0	90.2	92.4
Plastics in non-primary forms	31	102.1	100.0	100.1	100.9	100.8	98.6	100.3
Chemical materials & products nes	121	95.9	100.0	99.9	97.4	97.6	94.3	97.3
Manufactured Goods	635	104.4	100.0	97.2	97.7	94.2	87.7	91.6
Rubber manufactures nes	32	96.7	100.0	96.5	94.7	96.5	93.6	94.0
Paper manufactures	50	104.0	100.0	98.6	99.0	101.9	100.5	101.6
Textile manufactures	31	101.1	100.0	98.3	99.7	102.6	101.8	101.1
Non-metal mineral manufactures nes	83	96.7	100.0	101.9	101.9	104.0	97.5	94.7
Iron & steel	179	107.3	100.0	95.6	96.8	89.9	79.7	87.4
Non-ferrous metals	116	115.2	100.0	94.0	93.9	81.8	78.1	87.7
Manufactures of metals nes	144	100.9	100.0	98.7	99.4	99.2	90.9	92.2
Machinery & Transport Equipment	4,205	101.4	100.0	97.9	96.8	98.7	97.3	97.0
Power-generating machinery & equipment	298	97.2	100.0	102.9	107.5	117.0	120.7	123.6
Machinery specialized for particular industries	352	102.4	100.0	96.4	94.6	94.7	94.4	93.9
Metal working machinery	31	100.5	100.0	94.9	92.8	92.9	96.6	95.6
General industrial machinery	328	100.9	100.0	99.3	100.1	99.9	101.1	100.8
Office machines & data-processing machines	495	100.7	100.0	98.2	98.5	101.4	100.8	100.5
Telecommunication apparatus	422	113.5	100.0	92.3	80.8	78.4	74.8	71.3
Electrical machinery apparatus nes, electrical parts	2,116	100.2	100.0	98.2	97.7	100.1	97.3	97.3
Road vehicles	163	100.1	100.0	97.9	101.1	99.0	100.9	100.8
Miscellaneous Manufactured Articles	729	97.4	100.0	97.4	97.4	100.5	101.3	101.2
Prefabricated building, sanitary plumbing, lighting nes	16	97.3	100.0	100.4	101.2	103.0	100.0	101.3
Furniture, bedding, mattresses, cushions & others	25	101.3	100.0	98.9	98.9	98.3	97.6	99.4
Travel goods, handbags & similar containers	25	95.9	100.0	103.0	110.1	114.9	116.2	115.5
Articles of apparel & clothing accessories	64	96.6	100.0	102.7	104.6	106.5	106.8	105.7
Footwear	16	99.8	100.0	99.9	103.0	102.4	104.0	104.6
Professional scientific & controlling instruments	207	100.5	100.0	100.7	102.1	111.2	111.8	112.2
Photographic & optical goods nes; watches & clocks	99	97.5	100.0	97.2	97.8	97.2	96.3	95.2
Miscellaneous mfd articles nes	277	95.0	100.0	92.7	90.3	91.1	93.0	92.7

1 The weights for the Import Price Index are compiled based on the value of the commodity item imported in 2012.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13523

21.8 EXPORT PRICE INDEX

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
All Items	10,000	101.1	100.0	97.3	95.0	88.5	83.7	86.1
Non-Oil Items	7,395	102.1	100.0	98.2	97.3	99.8	97.1	96.2
Food & Live Animals	124	102.8	100.0	96.6	101.5	103.6	100.7	98.6
Meat & meat preparations	2	112.1	100.0	103.8	104.5	106.5	103.9	104.7
Dairy products & birds' eggs	7	99.2	100.0	105.6	124.4	101.5	79.6	80.4
Fish, seafood & preparations	9	99.9	100.0	95.1	95.5	99.4	100.2	104.0
Cereals & cereal preparations	7	100.2	100.0	100.8	102.0	104.9	106.0	110.5
Vegetables & fruit	8	127.7	100.0	92.6	121.4	133.0	126.3	141.5
Sugar, sugar preparations & honey	6	106.1	100.0	90.1	88.7	88.3	95.5	98.8
Coffee, tea, cocoa, spices & manufactures	29	99.6	100.0	96.5	107.4	109.9	107.2	100.2
Animal feeding stuff (excl unmilled cereals)	6	98.5	100.0	99.3	99.7	119.1	116.6	105.4
Miscellaneous food preparations	50	100.2	100.0	95.9	94.4	96.2	94.2	90.0
Beverages & Tobacco	87	98.2	100.0	98.1	100.2	107.2	109.4	107.5
Beverages	66	97.0	100.0	96.6	98.1	103.6	105.0	103.4
Tobacco & manufactures	21	100.5	100.0	102.8	107.2	118.7	123.2	120.8
Crude Materials (excl fuels)	60	113.0	100.0	90.6	84.0	74.8	69.8	80.2
Crude rubber	15	143.6	100.0	81.4	57.6	50.1	50.6	62.5
Cork & wood	2	84.6	100.0	98.0	101.3	100.7	95.4	100.3
Pulp and waste paper	6	121.5	100.0	92.6	95.1	97.9	97.8	112.2
Textile fibres & their wastes	3	89.7	100.0	109.3	94.4	95.0	83.8	77.1
Metalliferous ores & metal scrap	29	110.2	100.0	91.0	89.4	74.6	66.0	78.4
Crude animal & vegetable materials nes	5	98.7	100.0	99.8	103.3	99.0	96.1	95.7
Mineral Fuels, Lubricants & Related Materials	2,605	97.8	100.0	94.6	88.6	56.3	45.6	57.3
Petroleum & products & related materials	2,595	98.0	100.0	94.6	88.6	56.3	45.6	57.3
Gas	10	80.7	100.0	94.5	83.7	52.2	38.9	53.6
Animal & Vegetable Oils, Fats & waxes	8	107.2	100.0	93.2	90.4	84.6	84.6	89.0
Animal oils & fats	1	95.7	100.0	107.7	104.1	99.7	93.4	91.6
Fixed vegetable fats & oils	5	109.6	100.0	90.1	86.7	80.4	80.3	81.6
Animal & vegetable oils, fats & waxes nes	2	101.4	100.0	99.1	97.8	93.4	94.3	107.8

(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.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13510

21.8 EXPORT PRICE INDEX *(continued)*

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Chemicals & Chemical Products	1,344	100.9	100.0	99.7	100.3	97.5	92.5	93.3
Organic chemicals	498	99.0	100.0	98.4	97.5	93.1	85.3	85.8
Inorganic chemicals	13	99.1	100.0	96.4	95.0	93.7	91.1	93.9
Dyeing, tanning & colouring materials	32	98.6	100.0	91.3	91.8	90.0	90.3	92.4
Medicinal & pharmaceutical products	228	101.1	100.0	97.2	99.6	100.1	96.8	93.5
Essential oils & perfume; toilet cleaning products	127	102.9	100.0	104.9	105.0	105.7	109.2	111.6
Plastics in primary forms	289	106.0	100.0	102.4	104.5	95.5	87.9	92.5
Plastics in non-primary forms	29	98.4	100.0	99.7	101.0	101.8	96.9	96.9
Chemical materials & products nes	128	99.6	100.0	99.9	101.5	107.7	106.0	104.9
Manufactured Goods	381	105.1	100.0	98.8	99.3	96.3	92.9	95.4
Rubber manufactures nes	26	99.1	100.0	99.2	98.9	98.4	98.4	100.3
Wood & cork manufactures (excl furniture)	2	107.4	100.0	103.5	110.8	109.4	107.8	111.7
Paper manufactures	40	101.3	100.0	101.0	101.2	105.3	101.1	99.3
Textile manufactures	20	106.1	100.0	100.6	100.4	107.0	105.5	100.3
Non-metal mineral manufactures nes	31	103.3	100.0	91.3	89.2	90.7	95.8	94.7
Iron & steel	96	104.1	100.0	99.9	99.4	95.1	83.0	82.5
Non-ferrous metals	76	115.8	100.0	97.7	100.2	85.0	87.4	101.1
Manufactures of metals nes	90	98.1	100.0	99.7	100.8	101.7	98.6	99.8
Machinery & Transport Equipment	4,595	102.3	100.0	98.3	96.9	101.2	98.2	96.1
Power-generating machinery & equipment	188	99.0	100.0	100.7	101.4	105.2	105.3	106.3
Machinery specialized for particular industries	397	100.5	100.0	98.8	99.6	97.4	90.8	92.1
Metal working machinery	28	106.8	100.0	100.0	101.6	105.3	108.2	108.8
General industrial machinery	243	98.4	100.0	98.9	99.7	105.1	105.8	103.6
Office machines & data-processing machines	680	100.9	100.0	96.1	96.5	105.1	104.2	100.6
Telecommunication apparatus	336	107.6	100.0	96.0	90.6	89.3	85.6	82.8
Electrical machinery apparatus nes, electrical parts	2,582	102.9	100.0	98.7	96.2	101.1	97.3	94.7
Road vehicles	141	98.2	100.0	101.7	106.6	109.5	111.0	115.7

(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=13529
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13510

21.8 EXPORT PRICE INDEX *(continued)*

(2012 =100)

Item	Weights [1]	2011	2012	2013	2014	2015	2016	2017
Miscellaneous Manufactured Articles	796	99.8	100.0	96.0	93.6	97.8	101.4	102.0
Prefabricated building, sanitary plumbing, lighting nes	6	107.6	100.0	102.7	113.8	112.9	115.9	119.2
Furniture, bedding, mattresses, cushions & others	5	96.4	100.0	104.0	104.6	104.8	106.5	108.1
Travel goods, handbags & similar containers	11	98.3	100.0	108.1	117.3	123.0	123.4	122.0
Articles of apparel & clothing accessories	33	99.8	100.0	100.3	100.9	102.2	102.2	102.9
Footwear	8	98.3	100.0	100.1	100.5	102.0	102.1	102.1
Professional scientific & controlling instruments	264	99.4	100.0	98.7	97.4	104.8	106.4	107.4
Photographic & optical goods nes; watches & clocks	86	97.4	100.0	98.8	97.9	96.1	93.9	94.6
Miscellaneous mfd articles nes	383	100.7	100.0	92.5	88.1	91.9	98.6	99.0

1 The weights for the Export Price Index are compiled based on the value of the commodity item exported in 2012.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13510

21.9 CONSTRUCTION MATERIAL MARKET PRICES

Material	Unit	2011	2012	2013	2014	2015	2016	2017
Cement in bulk (Ordinary Portland Cement)	$/Tonne	93.78	100.87	100.23	97.93	92.97	82.95	75.91
Steel Bars [1] (16-32 mm High Tensile)	$/Tonne	931.26	887.13	766.90	653.90	501.40	500.52	688.83
Granite [2] (20 mm Aggregate)	$/Tonne	21.58	21.26	20.61	22.45	19.71	15.43	16.07
Concreting Sand [2]	$/Tonne	25.96	24.10	22.99	23.25	22.68	18.30	17.12
Ready Mixed Concrete [3]	$/m ^{3}	108.99	110.23	106.85	111.15	99.47	85.01	81.42

Source : Building and Construction Authority

1 Between January 2011 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=14810

21.10 PRICE INDEX OF HOUSING & DEVELOPMENT BOARD RESALE FLATS

(1st Quarter 2009 = 100)
(End of Period)

	2011	2012	2013	2014	2015	2016	2017
Resale Price Index	137.7	146.7	145.8	137.0	134.8	134.6	132.6

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	2011	2012	2013	2014	2015	2016	2017
	(1st Quarter 2009 = 100)						
Residential [1]	147.4	151.5	153.2	147.0	141.6	137.2	138.7
Landed	171.0	177.0	177.1	167.6	160.8	153.6	152.9
Non-Landed	141.2	144.8	147.6	142.5	137.4	133.8	135.6
	(4th Quarter 1998 = 100)						
Commercial [2]							
Office Space	124.5	126.2	132.8	138.8	138.6	134.7	131.4
Retail Space [3]	121.4	123.8	129.5	130.7	129.6	122.6	111.8
	(4th Quarter 2012 = 100)						
Industrial [4]	79.5	100.0	103.2	106.8	105.0	95.4	90.0
Multiple-User Factory [5]	80.3	100.0	103.2	107.7	105.9	98.7	94.0
Single-User Factory [6]	87.8	100.0	97.8	99.0	97.2	85.4	79.3

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=15139
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15610
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15119

21.12 PRICE INDICES OF NON-LANDED PRIVATE RESIDENTIAL PROPERTIES BY LOCALITY AND COMPLETION STATUS [1]

(1st Quarter 2009 = 100)
(End of Period)

	2011	2012	2013	2014	2015	2016	2017
Core Central Region [2]	139.2	140.3	137.6	131.9	128.6	127.0	127.8
Rest of Central Region [3]	152.5	155.0	154.8	146.6	140.3	136.4	138.9
Outside Central Region	149.2	158.9	169.3	165.6	159.4	154.0	156.1

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 and data provided by licensed developers on new units sold. With effect from 2016, data are compiled based on transaction prices given in contracts 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=14231

21.13 COMMERCIAL PROPERTY RENTAL INDEX BY TYPE OF PROPERTY

(4th Quarter 1998 =100)
(End of Period)

Type of Property	2011	2012	2013	2014	2015	2016	2017
Office Space [1]							
Central Region	172.8	170.5	172.8	189.8	177.4	162.8	163.4
Central Area	176.8	173.7	176.9	196.2	183.8	168.6	168.1
Fringe Area	142.7	143.1	143.9	154.4	144.8	133.6	139.7
Retail Space [2]							
Central Region	118.9	118.3	117.3	118.4	113.5	104.1	99.2
Central Area	121.6	120.3	119.3	120.8	115.2	105.1	101.0
Fringe Area	108.9	109.8	110.5	111.8	108.8	101.6	94.7

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=15138
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15135

22

Education

22 Education and Literacy

< Based on Yearbook of Statistics Singapore 2017.
Will be updated by November 2018. >

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

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

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.

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

<Will be updated by November 2018.>

Number

	2010	2011	2012	2013	2014	2015	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=15210

22.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, 2016

<Will be updated by November 2018.>

Number

	Institut-ions	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=15202

22.3 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED PRIMARY SCHOOLS BY LEVEL AND AGE

<Will be updated by November 2018.>

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=11211

22.4 ENROLMENT IN GOVERNMENT, GOVERNMENT-AIDED, INDEPENDENT, SPECIALISED INDEPENDENT AND SPECIALISED SECONDARY SCHOOLS AND JUNIOR COLLEGES BY LEVEL AND AGE

<Will be updated by November 2018.>

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=15216

22.5 ENROLMENT IN POLYTECHNIC DIPLOMA COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=15199

22.6 ENROLMENT IN UNIVERSITY FIRST DEGREE COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

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=15218

22.7 GRADUATES FROM POLYTECHNIC DIPLOMA COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=15213

22.8 GRADUATES FROM UNIVERSITY FIRST DEGREE COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=15207

22.9 ENROLMENT IN POLYTECHNIC ADVANCED DIPLOMA COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=15212

22.10 ENROLMENT IN HIGHER DEGREE COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=15206

22.11 GRADUATES FROM POLYTECHNIC ADVANCED DIPLOMA COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=11207

22.12 GRADUATES FROM HIGHER DEGREE COURSES BY TYPE OF COURSE

<Will be updated by November 2018.>

Number

Type of Course	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=15200

22.13 ENROLMENT AND GRADUATES OF ARTS INSTITUTION BY COURSE AND LEVEL, 2016

<Will be updated by November 2018.>

Number

Course/Level	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

<Will be updated by November 2018.>

Number

Type of Training/Level	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 (*Higher Nitec*)	2,786	2,182	604	2,265	1,807	458
National ITE Certificate (*Nitec*)	4,235	3,467	768	3,605	2,984	621
Info-Communications Technology						
Higher National ITE Certificate (*Higher Nitec*)	835	553	282	744	501	243
National ITE Certificate (*Nitec*)	1,216	836	380	1,029	694	335
Business & Services						
Diploma	20	12	8	18	11	7
Higher National ITE Certificate (*Higher Nitec*)	2,334	930	1,404	2,176	774	1,402
National ITE Certificate (*Nitec*)	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=15201

22.15 TRAINING PLACES TAKEN UP UNDER THE SKILLS TRAINING AND CONTINUING ACADEMIC EDUCATION PROGRAMMES AND PERSONS WHO COMPLETED THE PROGRAMMES, 2016

<Will be updated by November 2018.>

Number

Type of Training/Level	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 (*Higher Nite*)	1,589	1,494	95	192	175	17
National ITE Certificate (*Nitec)*	2,465	2,279	186	528	448	80
ITE Skills Certificate (*ISC*)	1,464	1,423	41	1,388	1,358	30
Info-Communications Technology						
Higher National ITE Certificate (*Higher Nitec*)	223	194	29	15	14	1
National ITE Certificate (*Nitec*)	198	141	57	13	7	6
Business & Services						
Higher National ITE Certificate (*Higher Nitec*)	863	256	607	79	25	54
National ITE Certificate (*Nitec*)	1,831	436	1,395	1,078	235	843
ITE Skills Certificate (*ISC*)	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

<Will be updated by November 2018.>

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=15204

22.17 GOVERNMENT RECURRENT EXPENDITURE ON EDUCATION PER STUDENT

<Will be updated by November 2018.>

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/Higher 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=11200

22.18 SINGAPORE RESIDENTS AGED 25 YEARS AND OVER BY HIGHEST QUALIFICATION ATTAINED AND SEX

<Will be updated by November 2018.>

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=12078

22.19 MEAN YEARS OF SCHOOLING

<Will be updated by November 2018.>

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=12097

22.20 LITERACY RATE

<Will be updated by November 2018.>

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=12759

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 ongoing investment in healthcare facilities, manpower and information infrastructure to enhance the accessibility across the 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 services covering primary care at polyclinics to secondary and tertiary care at hospitals. These include nine acute hospitals, one psychiatric hospital, three community hospitals and twenty 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 coverage 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 under the respective acts. Manpower statistics pertaining to these healthcare personnel are derived from the registers maintained by the respective professional bodies.

Number of Registered Health Personnel in 2017

Doctors	13,386
Dentists	2,293
Pharmacists	3,047
Registered Nurses	32,672
Enrolled Nurses	8,631
Registered Midwives	137
Optometrists and Opticians	2,605
Occupational Therapists	1,125
Physiotherapists	1,814
Speech Therapists	595
Traditional Chinese Medicine (TCM) Physicians	2,952
Acupuncturists	254

23.1 HEALTH FACILITIES

Number

	2011	2012	2013	2014	2015	2016	2017
Hospitals							
Acute Hospitals [1]	15	17	17	18	19	19	18
Public	8	8	8	8	9	9	9
Not-for-Profit	1	1	1	1	1	1	1
Private	6	8	8	9	9	9	8
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	7	8	8
Public [2]	1	1	1	1	3	3	3
Not-for-Profit [3]	4	4	4	4	4	4	4
Private [4]	1	1	1	1	0	1	1
Residential Long-Term Care Facilities							
Nursing Homes	64	64	66	65	71	69	73
Public	1	1	5	6	11	13	20
Not-for-Profit	31	31	28	27	26	26	23
Private	32	32	33	32	34	30	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 25 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 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.
Johns Hopkins Singapore International Medical Centre ceased operations with effect from 2017.
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 April 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).
4 West Point Hospital closed on December 2015 and re-opened in September 2016.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15181

23.1 HEALTH FACILITIES *(continued)*

Number

	2011	2012	2013	2014	2015	2016	2017
Primary Care Facilities							
Public - Polyclinics	18	18	18	18	18	18	20
Private - General Practitioner Clinics	1,685	1,743	1,805	1,868	1,933	2,017	2,102
Dental Clinics							
Public (Total)	241	240	236	248	247	252	250
Polyclinic Dental Clinics	9	9	9	9	9	9	10
Hospital/Institution Dental Clinics [5]	6	6	6	6	6	7	7
School Dental Clinics	226	225	221	233	232	236	233
Private	631	660	694	722	792	822	861
Pharmacies	249	245	247	253	232	235	243
Public	56	50	51	63	62	62	62
Private	193	195	196	190	170	173	181

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.

5 Includes National Dental Centre.
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=15181

23.2 BEDS IN INPATIENT FACILITIES

Number

	2011	2012	2013	2014	2015	2016	2017
Hospitals							
Acute Hospitals [1]	8,304	8,725	8,939	9,262	9,844	10,318	10,340
Public	6,925	7,170	7,377	7,652	8,128	8,561	8,623
Not-for-Profit	283	283	283	283	316	316	271
Private	1,096	1,272	1,279	1,327	1,400	1,441	1,446
Psychiatric Hospitals	2,010	2,010	2,010	1,950	1,950	1,950	1,950
Public	2,010	2,010	2,010	1,950	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	800	842	852	1,065	1,464	1,663	1,663
Public [2]	100	100	110	142	503	690	690
Not-for-Profit [3]	680	722	722	905	961	961	969
Private [4]	20	20	20	18	0	12	4

(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.
Where a health facility provides more than one residential care service, the beds are counted under their respective service categories. For example, a facility providing both community hospital and inpatient hospice services will have the respective number of beds being reported under ''Community Hospitals'' and ''Inpatient Hospices''.
Beds for chronic sick services are reported under ''Nursing Homes'' beds.
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 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.
Johns Hopkins Singapore International Medical Centre ceased operations with effect from 2017.

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 April 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).

4 West Point Hospital closed in December 2015 and re-opened in September 2016.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15276

23.2 BEDS IN INPATIENT FACILITIES *(continued)*

Number

	2011	2012	2013	2014	2015	2016	2017
Residential Long-Term Care Facilities (by services offered) [5]							
Nursing Homes [6]	9,690	9,721	10,838	10,968	12,185	13,022	14,918
Public	250	202	1,230	1,372	2,488	3,110	5,281
Not-for-Profit [3]	6,137	6,119	5,924	6,021	5,802	6,058	5,872
Private	3,303	3,400	3,684	3,575	3,895	3,854	3,765
Inpatient Hospices	133	149	149	141	141	173	179
Public	32	48	48	40	40	24	24
Not-for-Profit [3]	101	101	101	101	101	149	155
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.
Where a health facility provides more than one residential care service, the beds are counted under their respective service categories. For example, a facility providing both community hospital and inpatient hospice services will have the respective number of beds being reported under ''Community Hospitals'' and ''Inpatient Hospices''.
Beds for chronic sick services are reported under ''Nursing Homes'' beds.
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 April 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=15276

23.3 HOSPITAL ADMISSIONS, PUBLIC SECTOR OUTPATIENT ATTENDANCES AND DAY SURGERIES

Number

	2011	2012	2013	2014	2015	2016	2017
Hospital Admissions [1]							
Acute Hospitals [2]	446,384	459,902	474,193	489,574	499,889	546,256	568,117
Public	347,398	354,076	364,911	372,661	379,973	416,663	436,882
Non-Public [3]	98,986	105,826	109,282	116,913	119,916	129,593	131,235
Psychiatric Hospitals	9,628	8,382	8,110	9,050	8,986	9,028	9,316
Public	9,628	8,382	8,110	9,050	8,986	9,028	9,316
Non-Public [3]	0	0	0	0	0	0	0
Community Hospitals [4]	7,679	7,751	8,702	9,067	10,670	13,881	16,355
Public [5]	572	688	1,053	1,467	2,187	5,432	7,361
Non-Public [3]	7,107	7,063	7,649	7,600	8,483	8,449	8,994
Public Sector Outpatient Attendances							
Specialist Outpatient Clinics	4,234,139	4,353,385	4,436,621	4,535,104	4,658,110	4,921,017	4,937,001
Accident & Emergency Departments	934,485	985,289	1,006,800	968,371	965,426	1,008,718	993,458
Polyclinics [6]	4,502,043	4,614,038	4,623,623	4,648,374	4,874,697	5,263,999	5,925,787
Dental Clinics [7]	875,802	893,058	943,971	966,240	996,779	1,048,220	1,051,515
Day Surgeries	238,071	246,313	262,381	272,915	293,107	321,623	334,864

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.
"Community Hospitals" includes multiple services i.e. community hospital (sub-acute and rehabilitation), chronic sick units and inpatient hospice.

1 Refers 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 Refers to inpatient discharges for all services (including chronic sick and inpatient hospice) in community hospital.
5 With effect from April 2011, the ownership of Bright Vision Hospital was transferred to Singapore Health Services (Public).
6 An exercise was conducted to align the categorisation and components of polyclinic attendances.
With effect from January 2017, data on polyclinic attendances cover consultations and other services offered at polyclinics, including nursing services and allied health services.
7 Includes 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=15188

23.4 HOSPITAL ADMISSION [1] RATE BY SEX AND AGE

Per 1,000 resident population

	2011	2012	2013	2014	2015	2016	2017
Acute Hospitals [2]							
Male	96.9	100.7	104.5	108.2	110.5	123.7	126.8
Age Group (Years)							
0 - 14	111.6	118.5	120.2	126.6	128.5	142.0	142.2
15 - 64	65.4	66.7	70.0	71.0	71.5	81.5	83.1
65 & Above	345.2	347.6	343.7	347.7	347.6	366.7	368.5
Female	102.7	105.5	107.7	111.0	111.9	123.4	126.8
Age Group (Years)							
0 - 14	95.6	101.2	102.0	109.4	112.0	121.5	124.0
15 - 64	75.7	77.2	78.3	80.0	80.1	88.5	89.9
65 & Above	308.0	304.0	302.6	299.9	292.9	314.1	319.4
Psychiatric Hospitals							
Male	2.8	2.3	2.2	2.4	2.6	2.4	2.7
Age Group (Years)							
0 - 14	0.1	0.1	0.2	0.2	0.1	0.1	0.1
15 - 64	3.5	2.8	2.7	3.0	3.2	2.9	3.3
65 & Above	2.6	1.8	1.8	2.0	2.3	2.0	2.2
Female	1.6	1.4	1.4	1.4	1.6	1.3	1.6
Age Group (Years)							
0 - 14	0.1	0.1	0.1	0.1	0.2	0.2	0.2
15 - 64	1.9	1.7	1.6	1.7	1.9	1.5	1.9
65 & Above	1.7	1.4	1.7	1.5	1.6	1.4	1.6
Community Hospitals [3]							
Male	1.7	1.6	1.8	1.9	2.2	3.1	3.2
Age Group (Years)							
0 - 14	-	-	-	-	-	0.1	0.1
15 - 64	0.6	0.6	0.6	0.6	0.7	1.1	1.0
65 & Above	14.9	13.0	13.9	14.4	15.6	20.3	20.7
Female	2.1	2.1	2.3	2.4	2.7	3.7	3.9
Age Group (Years)							
0 - 14	-	-	-	-	-	-	-
15 - 64	0.5	0.5	0.5	0.5	0.6	0.8	0.8
65 & Above	17.5	16.0	16.8	16.7	18.0	23.3	23.7

Source : Ministry of Health

Notes : 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. Community Hospitals' includes multiple services i.e. community hospital (sub-acute and rehabilitation), chronic sick units and inpatient hospice.

1 Refers to inpatient discharges, excluding normal deliveries and legalised abortions.
2 Comprises both general hospitals and specialty centres (excluding Psychiatric Hospitals) with acute care inpatient facilities.
3 Refers 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=15182

23.5 REGISTERED HEALTH PERSONNEL

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Doctors	9,646	10,225	10,953	11,733	12,459	12,967	13,386
Public	5,621	6,131	6,661	7,330	7,909	8,358	8,573
Non-Public [1]	3,449	3,515	3,678	3,790	3,914	3,979	4,107
Not in active practice	576	579	614	613	636	630	706
Specialists	3,635	3,867	4,124	4,485	4,788	5,047	5,338
Public	2,165	2,342	2,511	2,829	3,052	3,299	3,523
Non-Public [1]	1,229	1,293	1,351	1,411	1,470	1,485	1,528
Not in active practice	241	232	262	245	266	263	287
Non-Specialists	6,011	6,358	6,829	7,248	7,671	7,920	8,048
Public	3,456	3,789	4,150	4,501	4,857	5,059	5,050
Non-Public [1]	2,220	2,222	2,327	2,379	2,444	2,494	2,579
Not in active practice	335	347	352	368	370	367	419
Dentists	1,611	1,699	1,821	1,905	2,060	2,198	2,293
Public	318	357	396	444	449	486	477
Non-Public [1]	1,160	1,215	1,411	1,435	1,541	1,644	1,748
Not in active practice	133	127	14	26	70	68	68
Dental Specialists	285	303	309	313	324	333	350
Public	77	86	88	96	102	106	112
Non-Public [1]	199	203	219	216	215	219	232
Not in active practice	9	14	2	1	7	8	6
General Dental Practitioners	1,326	1,396	1,512	1,592	1,736	1,865	1,943
Public	241	271	308	348	347	380	365
Non-Public [1]	961	1,012	1,192	1,219	1,326	1,425	1,516
Not in active practice	124	113	12	25	63	60	62
Oral Health Therapists	312	337	364	377	400	401	416
Public	222	228	216	220	228	229	225
Non-Public [1]	77	88	129	128	144	128	144
Not in active practice	13	21	19	29	28	44	47
Pharmacists	2,013	2,172	2,376	2,563	2,757	2,875	3,047
Public	842	934	1,082	1,179	1,307	1,367	1,472
Non-Public [1]	978	1,048	1,104	1,174	1,221	1,248	1,344
Not in active practice	193	190	190	210	229	260	231

(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 'Non-Public'' comprises ''Private'' and ''Not-for-Profit'' health facilities.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15173

23.5 REGISTERED HEALTH PERSONNEL *(continued)*

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Registered Nurses	23,598	25,971	27,556	28,864	29,894	31,615	32,672
Public	14,494	15,916	16,738	17,667	18,566	19,618	20,313
Non-Public [1]	5,661	6,321	6,716	6,863	7,356	7,616	8,002
Not in active practice	3,443	3,734	4,102	4,334	3,972	4,381	4,357
Enrolled Nurses	7,869	8,274	8,273	8,528	8,931	8,781	8,631
Public	4,661	4,995	4,890	5,006	5,305	5,149	5,020
Non-Public [1]	1,979	2,027	2,049	2,078	2,377	2,322	2,301
Not in active practice	1,229	1,252	1,334	1,444	1,249	1,310	1,310
Registered Midwives	282	262	246	226	180	165	137
Public	95	89	79	71	71	62	55
Non-Public [1]	69	65	61	61	51	47	41
Not in active practice	118	108	106	94	58	56	41
Advanced Practice Nurses [2]	78	88	117	145	172	197	218
Public	74	82	110	137	166	189	203
Non-Public [1]	4	5	5	8	5	8	10
Not in active practice	0	1	2	0	1	0	5
Optometrists and Opticians [3]	2,441	2,478	2,461	2,610	2,624	2,650	2,605
Public	133	155	159	159	156	166	175
Non-Public [1]	2,198	2,124	2,210	2,337	2,345	2,265	2,316
Not in active practice	110	199	92	114	123	219	114
Occupational Therapists [4]	na	na	na	905	967	1,067	1,125
Public	na	na	na	501	498	521	512
Non-Public [1]	na	na	na	403	429	477	508
Not in active practice	na	na	na	1	40	69	105
Physiotherapists [4]	na	na	na	1,394	1,549	1,693	1,814
Public	na	na	na	861	877	899	882
Non-Public [1]	na	na	na	531	606	682	765
Not in active practice	na	na	na	2	66	112	167

(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 "Non-Public" comprises "Private" and "Not-for-Profit" health facilities.
2 Advanced Practice Nurses is a subset of Registered Nurses.
3 Refers to those who were officially registered with the enactment of Optometrists and Opticians Act in 2008.
4 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=15173

23.5 REGISTERED HEALTH PERSONNEL *(continued)*

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Speech therapists [4]	na	na	na	400	474	524	595
Public	na	na	na	193	212	215	232
Non-Public [1]	na	na	na	207	244	269	307
Not in active practice	na	na	na	0	18	40	56
Traditional Chinese Medicine (TCM) Physicians	2,444	2,538	2,629	2,740	2,808	2,868	2,952
In Active practice	2,054	2,133	2,155	2,199	2,217	2,241	2,243
Not in Active Practice	390	405	474	541	591	627	709
Acupuncturists [5]	235	235	244	240	249	247	254
In Active practice	174	174	147	153	152	146	139
Not in Active Practice	61	61	97	87	97	101	115

Source : Ministry of Health

Notes : Registered health personnel in the public sector refer to Government, Government Restructured Hospitals, Statutory Boards and University personnel.

1 "Non-Public" comprises "Private" and "Not-for-Profit" health facilities.
4 Registration of Allied Health professionals (Occupational Therapists, Physiotherapists and Speech Therapists) started in 2013.
5 Refers to those registered only as Acupuncturists.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15173

23.6 VISITS TO PUBLIC SECTOR DENTAL CLINICS

Number

	2011	2012	2013	2014	2015	2016	2017
Dental Clinics	875,802	893,058	943,971	966,240	996,779	1,048,220	1,051,515
Schools	436,566	438,133	455,475	449,372	456,931	463,751	451,079
Hospitals/Institutions [1]	295,016	319,812	339,319	357,878	371,888	405,143	415,465
Polyclinics	144,220	135,113	149,177	158,990	167,960	179,326	184,971

Source : Ministry of Health

1 Includes National Dental Centre.
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

	2011	2012	2013	2014	2015	2016	2017
Dengue/DHF	5,330	4,632	22,170	18,326	11,294	13,085	2,767
Malaria	149	143	111	62	47	31	39
Enteric fever [1]	104	141	107	77	76	70	81
Viral Hepatitis [2]	239	272	202	194	207	193	217
Cholera	2	2	2	2	3	2	3
Poliomyelitis	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	1
Measles	148	38	46	142	42	136	70
Legionellosis	21	31	24	37	17	12	19
Hand, Foot & Mouth Disease	20,687	37,125	31,741	22,171	28,216	42,154	33,663
Nipah Virus Infection	0	0	0	0	0	0	0
SARS	0	0	0	0	0	0	0
Tuberculosis [3]	2,126	2,203	2,028	2,018	2,000	2,310	2,191
Leprosy	16	15	12	6	3	7	6

Source : Ministry of Health

Notes : No cases of plague, smallpox and yellow fever were reported during the period.

1 Refers to typhoid and paratyphoid.
2 Refers to Hepatitis A, B, C and E.
3 Refers to cases among Singapore citizens, permanent residents and long-staying foreigners.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15174

23.8 IMMUNISATION [1] BY PUBLIC AND NON-PUBLIC SECTORS

No of Children

	2011	2012	2013	2014	2015	2016	2017
Vaccination against							
Tuberculosis (BCG)							
National	31,362	29,480	30,488	32,624	30,623	32,196	33,355
Public	13,190	12,255	12,527	12,952	12,501	13,418	14,977
Non-Public [2]	18,172	17,225	17,961	19,672	18,122	18,778	18,378
Diphtheria							
National	29,981	28,485	29,471	31,618	30,388	31,301	32,295
Public	16,097	15,268	15,890	17,299	19,901	22,204	24,529
Non-Public [2]	13,884	13,217	13,581	14,319	10,487	9,097	7,766
Poliomyelitis							
National	31,455	28,476	29,459	31,596	29,720	31,284	32,289
Public	16,921	15,262	15,882	17,295	19,624	22,195	24,527
Non-Public [2]	14,534	13,214	13,577	14,301	10,096	9,089	7,762
Hepatitis B							
National	30,026	28,464	29,418	31,585	29,677	31,209	32,305
Public	16,118	15,238	15,815	17,220	19,471	21,986	24,301
Non-Public [2]	13,908	13,226	13,603	14,365	10,206	9,223	8,004
Measles							
National	29,737	28,072	28,975	31,259	29,331	30,750	32,065
Public	16,104	15,165	15,935	17,567	19,502	21,959	24,180
Non-Public [2]	13,633	12,907	13,040	13,692	9,829	8,791	7,885

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

	2011	2012	2013	2014	2015	2016	2017
Vaccination against :							
Tuberculosis (BCG)	100	99	99	99	99	99	99
Diphtheria	96	97	97	96	98	96	96
Poliomyelitis	96	97	97	96	96	96	96
Hepatitis B	96	97	97	96	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=15177

23.10 VACCINATION IN SCHOOL CHILDREN

Thousand Doses

	2011	2012	2013	2014	2015	2016	2017
Diphtheria Tetanus [1]	50.8	44.2	43.2	41.7	41.7	41.4	43.0
Poliomyelitis Immunisation [1, 2]	92.0	85.8	85.9	47.4	45.0	44.5	44.4
Measles, Mumps and Rubella [3]	88.5	41.7	39.1	35.7	29.2	22.3	10.8

Source : Health Promotion Board

1 Booster doses were given to Primary 5 students and students who missed the Booster dose when they were in Primary 5.
2 With effect from 2014, School Health Service ceased to give polio vaccination for Primary 1 students due to a change in the National Childhood Immunisation Schedule.
3 With effect from December 2011, due to a change in the National Childhood Immunisation Schedule, babies received MMR Dose 1 at 12 months and MMR Dose 2 at 15 to 18 months.
Hence, from 2012, MMR Dose 2 were given to Primary 1 students and students who missed their MMR Dose 2 when they were in Primary 1.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15172

23.11 STUDENT MEDICAL ASSESSMENT

Thousand

	2011	2012	2013	2014	2015	2016	2017
Total	429.5	422.2	414.9	407.5	400.9	377.0	370.8
Primary 1 and equivalent age groups	39.0	39.6	40.4	40.7	40.3	39.3	37.2
Primary 5 and equivalent age groups	48.4	43.4	42.8	39.8	39.6	39.8	40.5
Screening of other educational levels [1]	340.8	338.1	328.7	323.9	317.8	294.9	290.3
Others [2]	1.3	1.1	3.0	3.1	3.2	3.0	2.8

Source : Health Promotion Board

1 With effect from January 2016, data refer to screening by nurses for all Primary 2, 3, 4 and 6, as well as Secondary 1, 2 students, and only Secondary 3 & 4 students with health problems .
Prior to January 2016, data refer to screening by nurses for all Primary 2, 3, 4 and 6, as well as Secondary 1, 2, 4 students, and only Secondary 3 students with health problems.

2 Refers to general medical examination done by doctors for students in other educational levels.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1867

23.12 COMMON HEALTH PROBLEMS OF STUDENTS EXAMINED

	2011	2012	2013	2014	2015	2016	2017
	Per 10,000 Males Examined						
Prevalence of :							
Defective Vision	5,339	5,297	5,271	5,178	5,175	4,835	4,833
Overweight [1]							
Primary 1 and equivalent age groups	1,269	1,121	1,199	1,089	1,082	1,166	1,188
Primary 5 and equivalent age groups	1,853	1,557	1,590	1,593	1,524	1,710	1,798
	Per 10,000 Females Examined						
Prevalence of :							
Defective Vision	5,747	5,688	5,663	5,586	5,562	5,143	5,194
Overweight [1]							
Primary 1 and equivalent age groups	1,126	921	979	929	917	962	1,033
Primary 5 and equivalent age groups	1,250	1,191	1,232	1,217	1,183	1,271	1,343

Source : Health Promotion Board

1 Body Mass Index percentile replaced Nutritional Status in the calculation of overweight prevalence (≥ 90th percentile) since July 2010.
The reporting started in 2012.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10374
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15176

24

Hawkers and Food Establishments

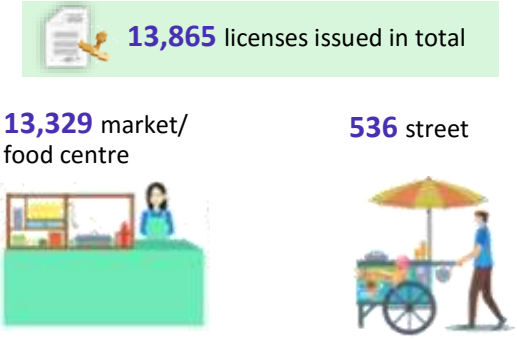
24 Hawkers and Food Establishments

Hawker stalls and food retail 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) 2017



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 licence 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 and food samples would be collected for laboratory analysis to ensure that the food produced is safe and fit for human consumption. They are also graded and classified under grades '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), 2017

24.1 LICENSED HAWKERS UNDER NATIONAL ENVIRONMENT AGENCY

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Total Licences Issued	14,305	14,165	14,227	14,466	14,055	13,871	13,865
Type of Premises							
Market/Food Centre	13,508	13,410	13,537	13,828	13,440	13,310	13,329
Street [1]	797	755	690	638	615	561	536
Type of Goods Sold							
Market Produce	5,763	5,694	5,706	5,857	5,612	5,485	5,479
Cooked Food	5,855	5,831	5,939	6,049	5,943	5,970	5,999
Piece & Sundries [2]	2,687	2,640	2,582	2,560	2,500	2,416	2,387

Source : National Environment Agency

Notes : Data include Ministry of the Environment and Water Resources and Housing & Development Board 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=14624

24.2 LICENSED FOOD ESTABLISHMENTS

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Total	30,291	30,691	31,267	32,166	33,074	34,032	35,169
Food Shops [1]	14,377	14,642	15,307	15,875	16,490	17,196	18,035
Food Stalls [2]	13,829	13,889	13,776	13,979	14,179	14,350	14,567
Food Factories [3]	1,408	1,476	1,482	1,548	1,618	1,664	1,738
Supermarkets [4]	367	398	422	441	469	491	516
Private Markets [5]	310	286	280	323	318	331	313

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=14608

25

Community Services

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, public education on family matters and disbursement of social assistance. 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 social service 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 network[1] 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.

Volunteers

"Volunteers" refer to individuals, interest groups and organisations 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 2017, there were 1,398 child care centres and 471 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 schools and in the community that administer the Student Care Fee Assistance (SCFA) scheme to support lower income families in accessing the service.

ComCare Short-to-Medium Term Assistance

ComCare Short-to-Medium Term Assistance provides temporary financial support to low-income families and individuals who are temporarily unable to work (e.g. due to illness, caregiving responsibilities), jobseekers who require financial assistance, and those earning a low income and require financial support. A Social Service Officer (SSO) will work with the applicants to develop a plan of action to improve their circumstances. Beneficiaries may receive cash assistance for their daily living expenses, assistance for household bills (e.g. rent, utilities, and service and conservancy charges), 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 support 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 Medifund assistance for medical bills as well as assistance for other specialised needs and one-off purchase of essential household items. They may be referred to community-based agencies for relevant social services such as home help, befriending, and senior activity centre programmes.

ComCare Interim Assistance

ComCare Interim Assistance schemes are administered by SSOs and community partners to provide immediate financial assistance to individuals and families who require urgent and temporary financial relief. The community touch-points administering ComCare Interim Assistance are the Citizens' Consultative Committees (Grassroots), the Family Service Centres, and the Community Justice Centre. The type and amount of assistance rendered depend on the needs and circumstances of each resident, and may be in the form of cash or in kind, e.g. supermarket vouchers.

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 provide a suite of services, such as Information and Referral services and social work intervention. FSCs focus on serving low income and vulnerable individuals and families, to help them achieve independence, stability and resilience. There are currently 47 FSCs serving more than 25,000 clients a year.

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 in-place successfully. As part of the Action Plan for Successful Ageing, MOH works 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.

In line with its core role of supporting low-income and vulnerable seniors, MSF oversees the Senior Group Homes and Sheltered Homes.

31,741
seniors had access to Senior Activity Centres in FY2017

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)

<Will be updated by November 2018.>

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

	2011	2012	2013	2014	2015	2016	2017
	Community Service						
Total (Volunteers)	44,515	44,616	46,884	48,486	49,445	49,848	na
Community Development Councils	299	298	298	291	284	290	na
CCCs / CCC-Area Sub Committees	4,762	4,796	4,999	5,153	5,280	5,477	na
Community Club Management Committees	3,713	3,723	3,789	3,804	3,807	3,858	na
Residents' Committees (RC) [1]	13,978	14,008	14,955	15,372	15,945	16,165	na
Neighbourhood Committees	2,324	2,593	2,908	3,224	3,454	3,877	na
Malay Activity Executive Committees	1,886	1,885	1,988	1,947	1,978	1,930	na
Indian Activity Executive Committees	1,788	1,733	1,838	1,882	1,873	1,902	na
Senior Citizens' Executive Committees	5,815	5,718	5,600	5,633	5,535	5,165	na
Youth Executive Committees	2,305	2,392	2,462	2,689	2,503	2,516	na
Women's Executive Committees	2,399	2,344	2,466	2,538	2,550	2,496	na
Community Emergency and Engagement Committees	2,240	2,160	2,105	2,131	2,146	2,156	na
Community Sports Clubs [2]	2,160	2,073	2,147	2,137	2,214	2,178	na
T-Net Club Management Committees	147	140	147	161	163	155	na
Building Fund Committees	699	753	887	925	919	884	na
Constituency Grassroots Member Scheme	na	na	295	599	794	799	na
	Welfare Service						
Total (Volunteers)	936	903	861	900	1,046	1,185	1,198
Welfare Service Boards/Committees	15	15	17	17	18	18	17
Volunteer Probation Officers	321	284	229	223	253	296	296
Volunteers in MSF Youth Homes [3]	315	256	258	238	238	192	175
Enable-A-Family (EAF) Volunteer Scheme	58	76	76	77	89	129	128
Foster Parents [4]	227	243	243	282	357	420	453
Volunteer Transport Minders [5]	na	29	38	49	52	58	44
ProPALS [6]	na	na	na	14	39	72	85

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 Refers to the Singapore Boys' Home and Singapore Girls' Home.
4 Refers to the number of foster families under MSF's Fostering Scheme.
5 Volunteer Transport Minders are individuals who 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 August 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

Number

	2011	2012	2013	2014	2015	2016	2017
Number of Child Care Centres	944	1,002	1,077	1,148	1,243	1,332	1,398
Child care centres which also provide infant care services [1]	253	285	324	361	418	471	512
Capacity in Child Care Centres	84,665	91,387	100,388	109,856	121,698	135,224	146,987
Total Enrolment in Child Care Centres	73,547	79,679	86,124	92,932	99,175	106,155	114,318
Full-Day Programme	62,649	69,075	75,986	82,872	89,855	97,672	106,327
Anchor Operators [2]	12,812	15,879	19,076	23,668	28,219	33,105	38,847
Voluntary Welfare Organisations	10,309	10,514	10,793	10,058	9,945	7,048	6,973
Private [3]	39,528	42,682	46,117	49,146	51,691	43,059	45,496
Partner Operators[4]	na	na	na	na	na	14,460	15,011
Half-Day Programme	8,811	8,504	7,940	7,230	6,912	6,362	6,180
Flexicare Programme	2,087	2,100	2,198	2,830	2,408	2,121	1,811

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, i.e. PAP Community Foundation, My First Skool, MY World Preschool, Skool4Kidz, and E-Bridge Pre-school.
3 With effect from 2013, data for full-day programme in workplaces 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 is 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=14612

25.4 NUMBER AND ENROLMENT IN KINDERGARTENS

Number

	2011	2012	2013	2014	2015	2016	2017
Number of Kindergartens	495	504	498	503	492	480	471
Total Enrolment in Kindergartens	67,652	67,734	68,057	68,999	66,331	65,306	60,967
Anchor Operators [1]	37,372	36,447	35,015	33,302	30,142	27,943	24,935
Voluntary Welfare Organisations	20,155	20,657	21,398	24,282	23,899	23,622	22,411
Private	10,125	10,586	11,589	11,173	11,290	11,904	11,183
Government [2]	na	44	55	242	1,000	1,837	2,438

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 (from 2014) and Preschool Learning Academy at Temasek Polytechnic (from 2012 to June 2017).

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14596

25.5 COMCARE SCHEMES

(End of Period)

Number of cases

	2011	2012	2013	2014	2015	2016	2017
ComCare Long Term Assistance [1] (also known as Public Assistance)	3,034	3,047	3,164	3,421	3,832	3,887	3,927
ComCare Short-to-Medium Term Assistance [1, 2]	6,571	10,432	12,535	15,763	15,164	16,917	16,102
Student Care Fee Assistance [3]	2,549	3,797	5,030	5,723	7,192	6,552	7,340

Source : Ministry of Social and Family Development

1 Refers to the number of active households under the Scheme.
2 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=14577

25.6 SENIOR ACTIVITY CENTRES

	2011	2012	2013	2014	2015	2016	2017
Number of Senior Activity Centres	43	52	53	59	61	67	74
Number of Seniors Having Access to Senior Activity Centres	23,000	25,531	27,546	28,995	28,415	30,896	31,741

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=14639

25.7 RESIDENTS IN OLD FOLKS' HOMES BY TYPE OF ORGANISATION AND SEX

(End of Period)

Number

	2011	2012	2013	2014	2015	2016	2017
Total	9,904	10,016	10,410	10,547	11,078	11,712	12,777
Males	4,765	4,848	5,130	5,198	5,606	6,089	6,724
Females	5,139	5,168	5,280	5,349	5,472	5,623	6,053
Government Welfare Homes [1]	1,189	1,221	1,147	1,146	1,251	1,263	1,223
Males	938	963	885	875	980	995	972
Females	251	258	262	271	271	268	251
Sheltered Homes	697	689	698	685	673	666	633
Males	343	341	354	350	338	341	332
Females	354	348	344	335	335	325	301
Voluntary Nursing Homes	4,979	4,978	5,295	5,418	5,903	6,253	6,997
Males	2,142	2,155	2,386	2,475	2,819	3,060	3,478
Females	2,837	2,823	2,909	2,943	3,084	3,193	3,519
Commercial Nursing Homes	3,039	3,128	3,270	3,298	3,251	3,530	3,924
Males	1,342	1,389	1,505	1,498	1,469	1,693	1,942
Females	1,697	1,739	1,765	1,800	1,782	1,837	1,982

Sources : Government Welfare Homes and Sheltered Homes
Ministry of Social and Family Development (with effect from November 2012)
Ministry of Community Development, Youth and Sports (prior to November 2012)
Voluntary Nursing Homes and Commercial Nursing Homes - Ministry of Health

1 Includes only those aged 60 years and above.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14880

25.8 FAMILY SERVICE CENTRES

	Unit	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Centres	No.	38	39	43	43	46	46	47
Casework and Counselling	Cases	26,386	28,695	31,074	32,844	28,486	25,050	24,993
Information and Referral	No.	38,655	36,091	38,054	40,707	37,036	27,198	27,240

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=14581

26

Culture and Recreation

26 Culture and Recreation

As a vibrant city of the arts, culture and media, and a sporting and learning nation, Singapore aims 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. Total attendances are based on the number of tickets sold.

20.4 million
cinema attendances in 2017

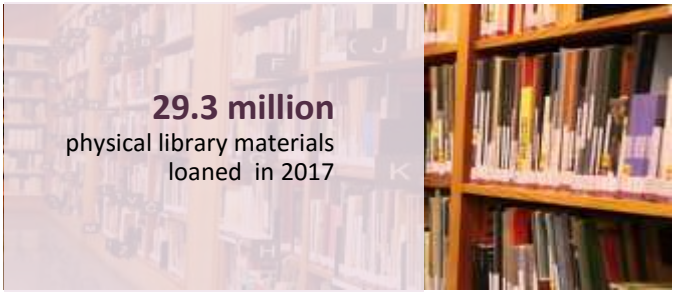
Library

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 around 2.4 million members. In addition to the National Library, there are 26 public libraries located conveniently across Singapore comprising 13 libraries located in shopping malls, 10 stand-alone public libraries and 3 regional libraries. NLB also manages 3 mobile libraries (MOLLY) and 4 libraries belonging to government agencies and institutions.

NLB has a physical collection of 7.5 million books, serials and special materials. Out of this collection, some 2.8 million fiction items and 3.6 million non-fiction items are in the lending collection. Over 29 million loans were made in 2017.

The reference collection offered by the Lee Kong Chian Reference Library at the National Library Building consists of over 744,000 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 696,000 copies of eBooks, over 80 databases with more than 7,000 titles of electronic newspapers and magazines in over 60 languages, and approximately 2 million music tracks.



29.3 million
physical library materials loaned in 2017

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.

Active Health, a social movement introduced by Sport Singapore, encourages

Singaporeans to proactively take ownership of their health and wellness through the management of Physical Activity, Screen Time, Sleep and Nutrition.

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

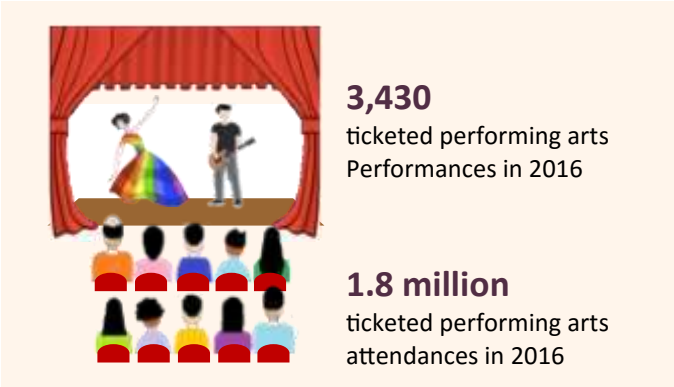
The People's Association (PA) and its grassroots network promote friendship and trust amongst residents of all races and backgrounds through its wide range of community activities and courses pertaining to arts and lifestyle, education and lifeskills, performing arts and sports. These are held at Community 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: Refer 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: Refer 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	2011	2012	2013	2014	2015	2016	2017
Cinemas	No. of Screens	186	187	207	220	231	241	249
Seating Capacity	'000	36	35	38	38	40	41	42
Attendances	Million	22.1	21.2	22.1	21.6	21.9	21.9	20.4

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15013

26.2 NATIONAL LIBRARY BOARD LIBRARY MEMBERSHIP, COLLECTIONS AND LOANS

	Unit	2011	2012	2013	2014	2015	2016	2017
National Library	No.	1	1	1	1	1	1	1
Public Library	No.	24	24	25	25	26	26	26
Membership [1]	'000	2,056.0	2,109.0	2,213.5	2,259.8	2,315.9	2,378.1	2,435.1
Persons Aged 13 years and Over	'000	1,750.6	1,815.6	1,932.9	1,989.0	2,052.1	2,105.7	2,156.4
Children Under 13 Years	'000	305.4	293.4	280.5	270.8	263.8	272.4	278.6
Total Physical Collections [2]	'000	8,657.7	8,303.0	8,090.7	8,726.2	7,899.8	7,549.9	7,540.3
Total eBooks Collections [3]	'000	2,338.3	3,155.6	3,225.6	3,522.0	4,145.1	4,579.7	696.5
Loan of Physical Library Materials [4]	'000	36,504.2	38,082.6	35,537.4	34,034.7	31,824.4	32,061.7	29,325.3
Persons Aged 13 Years and Over	'000	26,310.4	26,802.9	25,606.8	22,411.0	20,868.8	20,965.4	20,068.0
Children Under 13 Years	'000	10,193.8	11,279.7	9,930.5	11,623.8	10,955.6	11,096.3	9,257.3
Usage of Digital Library Materials [5]	'000	4,406.2	7,483.7	10,611.7	10,758.4	11,504.3	11,680.2	10,616.1

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, World eBook Library Dtabase (WeL) etc. With effect from August 2017, subscription to WeL was discontinued.
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. Five libraries were closed for revamp in 2017.
5 Refers to different types of usages such as loans, pageviews, downloads and checkouts.
Prior to 2017, data were for e-Books. With effect from 2017, data were for e-books, e-magazines and e-newspapers.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14569

26.3 VISITORS TO PLACES OF INTEREST

Thousand

	2011	2012	2013	2014	2015	2016	2017
Asian Civilisations Museum [1, 2]	814.4	524.0	452.4	423.2	349.6	534.3	488.6
Chinese/Japanese Gardens	963.0	911.0	693.1	951.0	939.5	1,314.4	925.0
Gardens by the Bay [3]	na	2,920.1	4,555.8	6,375.1	8,514.5	8,763.4	9,680.2
Indian Heritage Centre [4]	na	na	na	na	195.0	146.1	176.6
Jurong BirdPark	909.0	901.4	777.6	717.4	810.1	772.1	827.2
Malay Heritage Centre [5]	14.0	185.8	152.3	166.5	445.2	508.2	693.9
National Gallery Singapore [6]	na	na	na	na	275.6	1,585.3	1,849.7
National Museum of Singapore [1]	932.6	898.9	1,199.0	902.1	774.6	777.4	901.5
Night Safari	1,098.5	1,163.4	1,168.0	1,179.8	1,159.0	1,150.5	1,261.8
Sentosa [7, 8]	19,000.0	20,500.0	18,600.0	19,400.0	19,500.0	19,300.0	19,100.0
Singapore Art Museum [1, 9]	636.6	656.1	729.0	743.7	903.4	732.9	414.7
Singapore Discovery Centre [7]	195.0	194.8	212.3	209.8	270.0	210.0	na
Singapore Philatelic Museum [1]	115.9	123.0	117.5	142.1	152.7	160.2	147.6
Science Centre Singapore	1,053.8	969.2	899.5	952.3	1,046.0	955.8	874.7
Singapore Zoological Gardens	1,670.1	1,756.4	1,804.1	1,678.2	1,833.4	1,797.0	1,891.8
Sun Yat Sen National Memorial Hall [10]	81.1	99.4	105.5	92.3	97.3	133.2	122.0
The Peranakan Museum [1]	234.4	272.0	373.9	415.3	475.7	508.4	473.2
River Safari [11]	na	na	703.2	1,144.6	843.1	842.9	952.5

Sources : National Heritage Board; National Gallery Singapore; Science Centre Singapore; Singapore Zoological Gardens; Singapore Discovery Centre; Singapore Art Museum; Jurong Gardens Pte Ltd; River Safari; Jurong BirdPark Pte Ltd; Night Safari; Sentosa Development Corporation; 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 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 Excludes Southern Island arrivals and includes arrivals to Resorts World Sentosa.
9 Singapore Art Museum (SAM) had been incorporated as an independent company limited by guarantee in November 2013. From January 2014, visitorship data are provided by SAM. Visitorship data include visitors to SAM at 8Q.
10 The National Heritage Board is the appointed operator of Sun Yat Sen Nanyang Memorial Hall from 2009. Sun Yat Sen Nanyang Memorial Hall was closed for redevelopment from October 2010 to 7 October 2011. Data for 2011 refer to the visitorship to Sun Yat Sun National Memorial Hall from 8 October to 31 December 2011.
11 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

	2011	2012	2013	2014	2015	2016	2017
Attendances							
Swimming pool	6,939,334	7,034,166	6,724,546	6,870,183	6,898,517	7,081,651	7,062,603
Gymnasium	1,984,865	2,298,340	2,523,844	2,562,218	2,554,524	2,451,235	2,477,814
Bookings							
Total	836,591	933,687	933,589	1,041,967	1,162,779	1,161,428	1,256,010
Badminton [1]	472,852	538,381	526,660	579,431	638,485	669,217	727,432
Tennis	129,244	141,621	133,227	161,888	168,182	155,931	156,807
Table-tennis [1]	72,710	86,706	84,104	96,274	105,218	116,237	120,260
Basketball [1]	27,977	27,646	39,362	41,883	34,661	33,978	48,016
Squash	32,902	34,479	37,610	41,742	54,973	54,704	54,591
Soccer	24,122	29,487	27,944	29,074	28,470	27,133	27,882
Volleyball [1]	13,116	14,182	13,988	21,188	29,418	29,540	22,965
Netball	6,702	7,549	7,651	7,339	9,427	6,380	7,379
Hockey	4,449	4,800	5,345	5,268	6,601	5,933	6,499
Rugby	401	608	533	399	521	638	636
Athletics	411	324	277	642	2,358	2,939	2,398
Others [2]	51,705	47,904	56,888	56,839	84,465	58,798	81,145

Source : Sport Singapore

Notes : Refers to sports facilities provided by Sport Singapore.
Prior to April 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 of sports hall facilities managed by Sport Singapore, eg floorball etc.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14774

26.5 INTEREST GROUPS IN COMMUNITY CLUBS AND RESIDENTS' COMMITTEES

(End of Period)

<Will be updated by November 2018.>

Number

Type of Interest Groups	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

<Will be updated by November 2018.>

Number

Type of Course	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=15211

26.7 THE ARTS

Number

Art Form	2010	2011	2012	2013	2014	2015	2016
Performing Arts [1]							
Ticketed Performances [2]	2,267	3,416	3,497	3,006	3,256	3,323	3,430
Ticketed Attendances [3]	1,577,737	2,311,313	2,062,124	1,897,162	1,876,922	1,946,322	1,812,697
Visual Arts Exhibitions							
Number	999	858	675	559	973	1,041	1,114
Days	26,266	22,867	17,883	16,115	31,678	26,271	28,740

Sources : National Arts Council
People's Association

1 Refers to folk, traditional, classical and contemporary forms of dance, music (pop/rock concerts included) and theatre.
2 Refers to performances which require a ticket for entry.
3 Refers to attendance at performing arts events that require a ticket for entry. It 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)

Number

Art Form	2013	2014	2015	2016
	Societies [1]			
Total	478	487	502	492
Music	147	152	160	159
Dance	45	45	48	46
Theatre	92	94	95	89
Visual Arts	80	81	81	79
Craft	5	5	5	6
Literary Arts	58	58	59	59
Others [2]	51	52	54	54
	Companies [3]			
Total	5,486	5,412	5,749	5,423
Music	1,555	1,671	1,787	1,879
Dance	369	438	476	464
Theatre	481	493	513	525
Visual Arts	1,171	1,161	1,243	1,171
Craft	666	565	600	458
Literary Arts	1,187	1,015	1,038	843
Others [4]	57	69	92	83

Source : National Arts Council

1 Refers to societies that are registered with the Registry of Societies.
2 Includes cultural or heritage societies that are multi-disciplinary and do not specialise in an art form.
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, (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 cultural or heritage companies that are multi-disciplinary and do not specialise in an art form.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14522

27

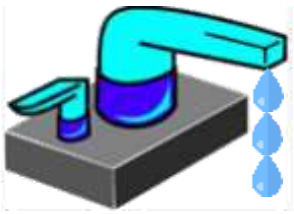
Miscellaneous

27 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 Malaysia, NEWater and desalinated water. PUB's drinking water supply is well within the requirements stipulated under the Environmental Public Health (Quality of Piped Drinking Water) Regulations and 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.



499.4 million m^3/year of portable water was sold in 2017

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 participating in the National Electricity Market of Singapore (NEMS), a real-time electricity trading pool operated and administered by the Energy Market Company. The power generation companies bid to sell electricity on a half-hourly basis through NEMS.

Of these 15 power generation companies, seven generate electricity using natural gas as their primary fuel. They are:

- 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

For the remaining power generation companies, the National Environment Agency (NEA), Keppel Seghers Tuas Waste-To-Energy Plant Pte Ltd and Senoko Waste-To-Energy Pte Ltd operate and sell electricity generated by their incineration plants. TP Utilities Pte Ltd generates electricity using mainly coal and biomass. ExxonMobil Asia Pacific Pte Ltd, Shell Eastern Petroleum Pte Ltd and Singapore Refinery Company Pte Ltd generate electricity with natural gas, mainly for their own use. TuasOne Pte Ltd has commissioned an incineration plant that it expects to start generating electricity in end 2018.

The total registered power generation capacity was 13,499MW as at December 2017. The total amount of electricity produced in 2017 was 52,225.3 GWh and the peak demand was 7,188 MW. As at end September 2017, there was 141.3 MWp (megawatt-peak) of grid-connected solar photovoltaic capacity.

52,225.3
gigawatt hours of electricity was generated in 2017

EMA has progressively opened the electricity retail market to competition since 2001. This liberalisation of the electricity market aims to facilitate the supply of competitively

priced electricity and allow greater consumer choice. Commercial and industrial consumers with an average monthly electricity consumption of at least 2,000 kWh can choose to buy electricity from a retailer of their choice instead of buying at the regulated tariff from SP Group.

Since April 2018, households and businesses in Jurong can choose to buy electricity from an electricity retailer of their choice with a price plan that best meets their needs. This initiative – Open Electricity Market – is expected to be extended to the rest of Singapore in the second half of 2018.

As at end January 2018, there were 27 licensed electricity retailers[1].

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 61% of households in Singapore and is used mainly for cooking and water heating. Total amount of town gas sold in 2017 was 1,756 million kWh.

1,756.0 million units of town gas was sold in 2017.

Natural gas is used mainly for power generation. In 2017, natural gas contributed to about 95.39% 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 on Jurong Island currently has a peak throughput capacity of 11 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:

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.

2.98 million tonnes of waste was disposed in 2017.

With limited land resources available for waste disposal, the NEA has adopted the following strategies 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.

4.72 million tonnes of waste was recycled in 2017.

[1] These licensed electricity retailers are: Best Electricity Supply 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; Heang Nerng Corporation Pte Ltd; Hyflux Energy Pte Ltd; I Switch Pte Ltd; Just Electric Pte Ltd; Keppel Electric Pte Ltd; MyElectricity Pte Ltd; Ohm Energy Pte Ltd; PacificLight Energy Pte Ltd; Peerer 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; Sun City 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

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.

3,871
fire occurrences
in 2017.

Definitions

Residential buildings: Refer 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: Refer to all buildings, either permanent or temporary, used for other than residential purposes, such as commercial, industrial, social and communal.

Non-building structures: Refer 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 **584**
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, 2017

2,932
bankruptcy
applications

1,638
bankruptcy
orders made

2,030
bankruptcy
discharges

27.1 WATER SALES AND WATER PRICES

	Unit	2011	2012	2013	2014	2015	2016	2017
Sales of Potable Water	Million m^3 per year	478.4	490.9	498.6	506.3	514.7	517.0	499.4
Domestic	Million m^3 per year	281.3	284.4	286.7	291.2	297.1	301.4	294.8
Non-domestic	Million m^3 per year	197.2	206.5	211.9	215.1	217.6	215.6	204.5
Sales of NEWater	Million m^3 per year	102.4	111.4	114.1	117.1	124.8	126.9	140.2
Sales of Industrial Water	Million m^3 per year	23.1	25.3	27.6	27.6	25.0	21.0	19.9
Potable Water Price [1] for Domestic Users, 0-40m^3	$ per m^3	2.10	2.10	2.10	2.10	2.10	2.10	2.39
Tariff	$ per m^3	1.17	1.17	1.17	1.17	1.17	1.17	1.19
Water Conservation Tax	$	0.35	0.35	0.35	0.35	0.35	0.35	0.42
Waterborne Fee	$	0.28	0.28	0.28	0.28	0.28	0.28	0.78
Sanitary Appliance Fee [2]	$ per fitting	2.80	2.80	2.80	2.80	2.80	2.80	na
Potable Water Price [1] for Domestic Users, > 40m^3	$ per m^3	2.61	2.61	2.61	2.61	2.61	2.61	3.21
Tariff	$ per m^3	1.40	1.40	1.40	1.40	1.40	1.40	1.46
Water Conservation Tax	$	0.63	0.63	0.63	0.63	0.63	0.63	0.73
Waterborne Fee [3]	$	0.28	0.28	0.28	0.28	0.28	0.28	1.02
Sanitary Appliance Fee [2]	$ per fitting	2.80	2.80	2.80	2.80	2.80	2.80	na
Potable Water Price [1] for Non-domestic Users	$ per m^3	2.15	2.15	2.15	2.15	2.15	2.15	2.39
Tariff	$ per m^3	1.17	1.17	1.17	1.17	1.17	1.17	1.19
Water Conservation Tax	$	0.35	0.35	0.35	0.35	0.35	0.35	0.42
Waterborne Fee [3]	$	0.56	0.56	0.56	0.56	0.56	0.56	0.78
Sanitary Appliance Fee [2]	$ per fitting	2.80	2.80	2.80	2.80	2.80	2.80	na
Potable Water Price [1] for Shipping Customers	$ per m^3	3.06	3.06	3.06	3.06	3.06	3.06	3.37
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	0.67
Waterborne Fee	$	0.56	0.56	0.56	0.56	0.56	0.56	0.78
NEWater Price [1]	$ per m^3	1.66	1.78	1.78	1.78	1.78	1.78	2.19
Tariff	$ per m^3	1.10	1.22	1.22	1.22	1.22	1.22	1.28
Water Conservation Tax [4]	$	na	na	na	na	na	na	0.13
Waterborne Fee	$	0.56	0.56	0.56	0.56	0.56	0.56	0.78
Industrial Water Price [1]	$ per m^3	0.52	0.58	1.21	1.21	1.21	1.21	1.44
Tariff	$ per m^3	0.52	0.58	0.65	0.65	0.65	0.65	0.66
Waterborne Fee	$	na	na	0.56	0.56	0.56	0.56	0.78

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 cubic metre (m^3), 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.
3 From 1 July 2017, the Sanitary Appliance Fee has been combined with the Waterborne Fee into a single, volume-based fee.
4 From 1 July 2017, there is a 10% Water Conservation Tax imposed on NEWater.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14576
http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14539

27.2 ELECTRICITY GENERATION, CONSUMPTION AND TARIFFS

	Unit	2011	2012	2013	2014	2015	2016	2017
Electricity Generation [1]	GWh	45,999.4	46,936.2	47,963.5	49,309.7	50,271.6	51,586.6	52,225.3
Electricity Consumption [2]	GWh	43,007.1	44,200.7	44,948.8	46,403.0	47,513.9	48,626.6	49,643.7
Industrial-related	GWh	18,077.5	18,572.5	18,842.8	19,753.2	20,088.0	20,418.4	21,516.3
Manufacturing	GWh	16,752.4	17,112.4	17,237.4	17,989.0	18,277.6	18,370.9	19,581.7
Construction	GWh	363.0	443.7	490.5	527.1	531.0	551.6	484.3
Utilities	GWh	928.5	978.9	1,074.8	1,198.0	1,237.2	1,450.1	1,402.6
Other Industrial-related	GWh	33.6	37.5	40.1	39.2	42.2	45.8	47.7
Commerce and Service-related	GWh	15,876.3	16,366.1	16,718.6	17,046.6	17,481.0	17,699.3	17,804.3
Wholesale and Retail Trade	GWh	1,898.8	1,909.4	1,967.1	2,020.5	2,107.4	2,073.4	1,994.5
Accommodation and Food Services	GWh	1,251.4	1,275.1	1,326.6	1,332.3	1,350.2	1,453.2	1,444.9
Information and Communications	GWh	988.6	1,084.4	1,149.1	1,294.5	1,426.7	1,848.0	1,873.5
Financial and Insurance Activities	GWh	2,003.2	2,204.2	2,257.9	2,574.1	2,718.1	2,361.7	2,342.8
Real Estate Activities	GWh	4,454.7	4,522.6	4,532.4	4,485.7	4,454.6	4,497.0	4,700.9
Professional, Scientific & Technical, Administration & Support Activities	GWh	934.1	930.8	932.7	681.0	713.7	683.4	703.8
Other Commerce and Service-related	GWh	4,345.4	4,439.6	4,552.8	4,658.5	4,710.3	4,782.6	4,743.9
Transport-related	GWh	2,224.2	2,328.6	2,369.1	2,441.0	2,444.8	2,639.4	2,750.8
Households	GWh	6,482.7	6,629.5	6,754.9	6,924.4	7,220.9	7,589.4	7,295.8
Others	GWh	346.5	304.0	263.4	237.7	279.1	280.1	276.5

(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 January 2016, data include output from solar generation.

2 Refers to the total electricity consumption by end users, including (embedded) consumption by autoproducers.
From January 2016, data include consumption of output from solar generation.

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27.2 ELECTRICITY GENERATION, CONSUMPTION AND TARIFFS *(continued)*

	Unit	2011	2012	2013	2014	2015	2016	2017
Electricity Tariff [3]								
Low Tension Supplies								
Domestic	¢ per kWh	na	27.93	26.25	25.59	21.73	18.90	20.65
Non-Domestic	¢ per kWh	na	27.93	26.25	25.59	21.73	18.90	20.65
High Tension Small Supplies								
Contracted Capacity Charge	$ per kW per month	na	6.96	7.36	7.49	7.99	8.31	8.36
Uncontracted Capacity Charge	$ per chargeable kW per month	na	10.44	11.04	11.24	11.98	12.46	12.54
Peak period (7.00 am to 11.00 pm)	¢ per kWh	na	26.54	24.39	23.58	19.09	15.85	17.84
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	na	16.25	14.96	14.35	11.69	9.66	10.80
Reactive Power Charge	¢ per chargeable kVARh	na	0.59	0.59	0.59	0.59	0.59	0.59
High Tension Large Supplies								
Contracted Capacity Charge	$ per kW per month	na	6.96	7.36	7.49	7.99	8.31	8.36
Uncontracted Capacity Charge	$ per chargeable kW per month	na	10.44	11.04	11.24	11.98	12.46	12.54
Peak period (7.00 am to 11.00 pm)	¢ per kWh	na	26.32	24.17	23.36	18.87	15.63	17.62
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	na	16.24	14.95	14.34	11.68	9.65	10.79
Reactive Power Charge	¢ per chargeable kVARh	na	0.59	0.59	0.59	0.59	0.59	0.59
Extra High Tension Supplies								
Contracted Capacity Charge	$ per kW per month	na	6.52	6.81	6.90	7.26	7.50	7.54
Uncontracted Capacity Charge	$ per chargeable kW per month	na	9.78	10.21	10.35	10.89	11.25	11.31
Peak period (7.00 am to 11.00 pm)	¢ per kWh	na	25.36	23.22	22.41	17.99	14.79	16.74
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	na	16.14	14.84	14.23	11.59	9.56	10.70
Reactive Power Charge	¢ per chargeable kVARh	na	0.48	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=14540

27.3 TOTAL FINAL ENERGY CONSUMPTION BY ENERGY TYPE AND SECTOR

Kilotonne Of Oil Equivalent

	2010	2011	2012	2013	2014	2015	2016
Total	12,559.4	12,502.3	12,896.5	13,780.5	14,477.5	15,246.4	14,714.6
Industry-related	7,966.3	7,733.9	8,148.0	9,120.4	9,721.0	10,323.2	9,670.3
Commerce and Services-related	1,492.6	1,516.4	1,558.0	1,613.3	1,629.8	1,671.3	1,691.3
Transport-related	2,420.4	2,584.1	2,512.9	2,355.1	2,427.1	2,518.5	2,587.1
Households	646.2	637.4	650.7	668.4	678.4	707.5	739.2
Others	33.9	30.6	26.9	23.4	21.3	26.0	26.7
Coal and Peat	7.8	6.4	23.0	129.0	162.2	163.3	166.8
Industry-related	7.8	6.4	23.0	129.0	162.2	163.3	166.8
Commerce and Services-related	-	-	-	-	-	-	-
Transport-related	-	-	-	-	-	-	-
Households	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-
Crude Oil	-	-	-	-	-	-	-
Industry-related	-	-	-	-	-	-	-
Commerce and Services-related	-	-	-	-	-	-	-
Transport-related	-	-	-	-	-	-	-
Households	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-
Petroleum Products	7,790.2	7,614.0	7,946.8	8,475.0	8,970.4	9,657.2	9,006.4
Industry-related	5,465.2	5,153.4	5,562.0	6,225.3	6,667.6	7,256.6	6,554.3
Commerce and Services-related	84.2	68.9	68.3	86.4	78.9	80.0	77.3
Transport-related	2,219.1	2,366.9	2,292.7	2,133.3	2,199.8	2,293.9	2,349.0
Households	21.7	24.8	23.7	30.0	24.1	26.7	25.8
Others	-	-	-	-	-	-	-
Natural Gas	1,128.4	1,183.9	1,126.2	1,311.7	1,355.1	1,340.4	1,360.2
Industry-related	974.5	1,019.7	966.0	1,145.9	1,192.7	1,176.1	1,193.5
Commerce and Services-related	78.3	82.4	82.5	89.3	85.3	88.2	92.1
Transport-related	20.8	25.9	20.0	18.1	17.4	14.3	11.2
Households	53.9	55.2	56.9	57.5	58.9	59.9	60.9
Others	0.8	0.8	0.8	0.8	0.8	2.0	2.6
Electricity	3,633.0	3,697.9	3,800.6	3,864.9	3,989.9	4,085.5	4,181.1
Industry-related	1,518.7	1,554.4	1,597.0	1,620.2	1,698.5	1,727.3	1,755.7
Commerce and Services-related	1,330.2	1,365.1	1,407.2	1,437.5	1,465.7	1,503.1	1,521.9
Transport-related	180.5	191.2	200.2	203.7	209.9	210.2	226.9
Households	570.6	557.4	570.0	580.8	595.4	620.9	652.6
Others	33.1	29.8	26.1	22.6	20.4	24.0	24.1
Others	-	-	-	-	-	-	-
Industry-related	-	-	-	-	-	-	-
Commerce and Services-related	-	-	-	-	-	-	-
Transport-related	-	-	-	-	-	-	-
Households	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-

Sources : Singapore Department of Statistics, Energy Market Authority, Civil Aviation Authority of Singapore, Enterprise Singapore, Maritime and Port Authority, and National Environment Agency.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15670

27.4 GAS SALES AND TARIFFS

	Unit	2011	2012	2013	2014	2015	2016	2017
Piped Gas Sales (Town Gas)	Million Units	1,599.4	1,641.3	1,662.7	1,666.2	1,695.4	1,740.6	1,756.0
Domestic	Million Units	642.2	663.6	671.2	687.9	711.7	730.3	745.3
Non-Domestic	Million Units	957.2	977.7	991.6	978.4	983.9	1,010.3	1,010.7
Liquefied Petroleum Gas Sales	Net Tonnes	104,582.0	103,610.5	105,601.5	95,396.9	96,820.2	93,551.2	90,923.7
Piped Gas Tariffs [1] (Town Gas)								
General Tariff	¢ per kWh	18.93	21.61	21.11	21.02	18.37	16.62	17.68
Bulk Tariff A [2]	¢ per kWh	17.92	20.61	20.11	20.02	17.36	15.61	16.66
Bulk Tariff B [3]	¢ per kWh	17.42	20.12	19.61	19.52	16.86	15.10	16.15

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 Excludes Goods and Services Tax.
Historical town gas tariffs are available from CityGas's Website (https://www.citygas.com.sg/useful-info/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.

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http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14833

27.5 WASTE DISPOSED OF AND RECYCLED

Million Tonnes

	2011	2012	2013	2014	2015	2016	2017
Waste Disposed of [1]	2.86	2.93	3.02	3.04	3.02	3.05	2.98
Domestic	1.64	1.65	1.64	1.65	1.65	1.66	1.61
Non-domestic	1.22	1.28	1.39	1.39	1.37	1.39	1.37
Waste Recycled	4.04	4.34	4.83	4.47	4.65	4.77	4.72

Sources : Ministry of the Environment and Water Resources
National Environment Agency

1 Data from 2013 are revised due to a waste vehicle reclassification exercise.
Data from 2015 exclude metals recovered from incineration bottom ash in a metal recovery facility that is comissioned in 2015.

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14551

27.6 FIRE OCCURRENCES

Number

Type of Property	2011	2012	2013	2014	2015	2016	2017
Total	4,470	4,485	4,136	4,724	4,604	4,114	3,871
Building	3,819	3,766	3,485	3,453	3,403	3,324	3,124
Residential	3,254	3,184	2,952	2,888	2,898	2,818	2,657
Non-residential	565	582	533	565	505	506	467
Non-Building Structures	651	719	651	1,271	1,201	790	747

Source Singapore Civil Defence Force

Download time series at http://www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14635

27.7 CRIME CASES RECORDED

Type of Offence	2011	2012	2013	2014	2015	2016	2017
	Number of Cases Recorded						
Overall Crime	31,508	31,015	29,984	32,315	33,839	33,099	32,773
Crimes Against Persons	3,969	3,824	3,822	4,269	4,139	4,354	4,527
Violent / Serious Property Crimes [1]	443	389	418	535	299	249	218
Housebreaking and Related Crimes	706	598	543	360	340	300	328
Theft and Related Crimes	18,314	18,476	17,075	16,722	15,615	14,122	13,495
Commercial Crimes	3,880	3,507	3,947	5,687	8,426	8,411	8,566
Miscellaneous Crimes	4,196	4,221	4,179	4,742	5,020	5,663	5,639
	Per 100,000 population						
Overall Crime Rate	608	584	555	591	611	590	584
Crimes Against Persons	77	72	71	78	75	78	81
Violent / Serious Property Crimes [1]	9	7	8	10	5	4	4
Housebreaking and Related Crimes	14	11	10	7	6	5	6
Theft and Related Crimes	353	348	316	306	282	252	240
Commercial Crimes	75	66	73	104	152	150	153
Miscellaneous Crimes	81	79	77	87	91	101	100

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.

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27.8 NUMBER OF BANKRUPTCY APPLICATIONS, ORDERS MADE AND DISCHARGES

	2011	2012	2013	2014	2015	2016	2017
Applications For Bankruptcy	2,314	3,019	2,824	2,587	2,612	2,704	2,932
Bankruptcy Orders Made	1,527	1,748	1,992	1,758	1,776	1,797	1,638
Bankruptcy Discharges	1,391	1,881	2,584	3,546	3,499	4,359	2,030

Source : Insolvency Office

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