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2019

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DEPARTMENT OF STATISTICS SINGAPORE

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PREFACE

The "Yearbook of Statistics Singapore 2019" is the fifty-second 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 275 tables organised into 27 chapters.

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

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

Wong Wee Kim
Chief Statistician
Singapore

Aug 2019

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.*

CONTENTS

	Page
Preface	i
Notes on Changes and Revisions	xv
Infographics on the Singapore Economy and Population	1
Statistical Tables	
Climate and Air Quality	2
Population	6
Households	30
Labour and Productivity	41
National Accounts	65
International Accounts	78
Investment	86
Research and Development	93
The Corporate Sector	99
Formation and Cessation of Business Entities	104
Agriculture, Animal Production and Fisheries	113
Manufacturing	117

CONTENTS (cont'd)

	Page
Building, Real Estate, Construction and Housing	129
Services	148
International Trade	158
Transport	182
InfoComm and Media	198
Tourism	204
Finance	211
Public Finance	239
Prices	257
Education and Literacy	280
Health	203
Hawkers and Food Establishments	320
Community Services	324
Culture and Recreation	336
Miscellaneous	348
Information Dissemination Services	**359**

LIST OF TABLES BY SECTION

Page

Climate and Air Quality 2

1.1 Air Temperature and Sunshine 4
1.2 Relative Humidity and Rainfall 4
1.3 Air Pollution Levels 5

Population 6

2.1 Singapore Population Size and Growth by Residential Status 10
2.2 Vital Rates 11
2.3 Singapore Residents by Age Group and Sex, End-June 12
2.4 Singapore Residents by Age Group, Ethnic Group and Sex, End-June 2018 13
2.5 Resident Age-Specific Fertility Rates 14

2.6 Live-Births by Ethnic Group and Sex 14
2.7 Live-Births by (a) Birth Order and (b) Place of Occurrence 15
2.8 Resident Age-Sex Specific Death Rates 16
2.9 Deaths by Broad Group of Causes 19
2.10 Life Expectancy of Singapore Residents at Birth and At Age 65 Years by Sex 20

2.11 Age at First Marriage and Divorce 21
2.12 Resident Age-Sex Specific Marriage Rates 22
2.13 Grooms by Age Group 23
2.14 Brides by Age Group 24
2.15 Marriages Registered by Ethnic Group of Couple 25

2.16 Resident Age-Sex Specific Divorce Rates 26
2.17 Divorces and Annulments by Age Group of Males 27
2.18 Divorces and Annulments by Age Group of Females 28
2.19 Divorces and Annulments by Ethnic Group of Couple 29

Households 30

3.1 Resident Households by Household Size 33
3.2 Resident Households by Type of Dwelling 34
3.3 Average Household Size of Resident Households by Type of Dwelling 35
3.4 Resident Households by Tenancy of Household 36
3.5 Home Ownership Rates among Resident Households by Type of Dwelling 37

3.6 Monthly Household Income from Work per Household Member among Resident Employed Households 37
3.7 Average Monthly Household Income from Work per Household Member among Resident Employed Households by Deciles 38
3.8 Ratio of Monthly Household Income from Work per Household Member at the 90th Percentile (P90) to 10th Percentile (P10) among Resident Employed Households 39
3.9 Gini Coefficient among Resident Employed Households 40

Page

Labour and Productivity 41

4.1	Labour Force	46
4.2	Age-Specific Resident Labour Force Participation Rates	47
4.3	Age-Specific Resident Male Labour Force Participation Rates	48
4.4	Age-Specific Resident Female Labour Force Participation Rates	49
4.5	Employed Residents Aged 15 Years and Over by Occupation	50
4.6	Employed Residents Aged 15 Years and Over by Industry	51
4.7	Government Employees in the Public Service	52
4.8	Government Employees in the Civil Service by Sex	52
4.9	Government Employees in the Statutory Boards by Sex	53
4.10	Central Provident Fund Members by Age Group	54
4.11	Active Central Provident Fund Members by Age Group	54
4.12	Active Central Provident Fund Members by Industry	55
4.13	Employment Services	56
4.14	Changes in Value Added Per Worker by Industry	57
4.15	Multifactor Productivity: Contributions to Growth in Real GDP	58
4.16	Indices of Unit Labour Cost by Industry	58
4.17	Gross Monthly Income from Work (including Employer CPF) of Full-Time Employed Residents	59
4.18	Average Weekly Paid Hours Worked Per Employee by Industry	59
4.19	Average Monthly Recruitment Rate by Industry and Occupational Group	60
4.20	Average Monthly Resignation Rate by Industry and Occupational Group	61
4.21	Singapore Workforce Skills Qualifications (WSQ) Trainees by Age, Highest Qualification Attained, and Sex	62
4.22	Singapore Workforce Skills Qualifications (WSQ) Trainees by Level of WSQ Statement of Attainment	63
4.23	Trade Unions and Membership	64
4.24	Labour Relations	64

National Accounts 65

5.1	Output, Saving and Investment	68
5.2	Gross Domestic Product by Industry	69
5.3	Expenditure on Gross Domestic Product	70
5.4	Private Consumption Expenditure	72
5.5	Gross Fixed Capital Formation	73
5.6	Gross Domestic Product Deflators by Industry	74
5.7	Expenditure on Gross Domestic Product Deflators	74
5.8	Income Components of Gross Domestic Product	75
5.9	Gross Operating Surplus by Industry	75
5.10	Compensation of Employees by Industry	76
5.11	Other Taxes Less Subsidies on Production by Industry	77

Page

International Accounts 78

6.1 Balance of Payments 81
6.2 Singapore International Investment Position 83
6.3 External Debt 84

Investment 86

7.1 Stock of Foreign Direct Investment in Singapore by Industry 88
7.2 Stock of Singapore's Direct Investment Abroad by Activity Abroad 88
7.3 Stock of Foreign Direct Investment in Singapore by Region/Country 89
7.4 Stock of Singapore's Direct Investment Abroad by Region/Country 90
7.5 Investment Commitments in Manufacturing and Services by Industry 91
7.6 Investment Commitments in Manufacturing and Services by Country of Origin 92

Research and Development 93

8.1 Organisations Performing R&D by Sector 95
8.2 R&D Manpower by Occupation and Sex 95
8.3 R&D Expenditure by Area of Research, 2017 96
8.4 R&D Expenditure by Type of Costs, 2017 96
8.5 R&D Expenditure by Sector 97
8.6 R&D Expenditure by Major Industry in the Private Sector 97
8.7 R&D Output 98

The Corporate Sector 99

9.1 Total Equity by Industry 101
9.2 Total Assets by Industry 101
9.3 Returns on Equity by Industry 102
9.4 Returns on Assets by Industry 102
9.5 Equity Ratios of Companies by Industry 103
9.6 Current Ratios of Companies by Industry 103

Formation and Cessation of Business Entities 104

10.1 Formation of All Business Entities by Type 106
10.2 Cessation of All Business Entities by Type 106
10.3 Formation of All Business Entities by Industry 107
10.4 Cessation of All Business Entities by Industry 108
10.5 Formation of Companies by Industry 109
10.6 Cessation of Companies by Industry 110
10.7 Formation of Sole-Proprietorships & Partnerships by Industry 111
10.8 Cessation of Sole-Proprietorships & Partnerships by Industry 112

Page

Agriculture, Animal Production and Fisheries 113

11.1 Local Production 115
11.2 Livestock Slaughtered 115
11.3 Seafood Supply and Wholesale 116

Manufacturing 117

12.1 Principal Manufacturing Statistics 120
12.2 Selected Averages and Ratios in the Manufacturing Sector 121
12.3 Manufacturing Establishments by Industry 122
12.4 Manufacturing Output in Manufacturing by Industry 123
12.5 Total Output in Manufacturing by Industry 124
12.6 Value Added of Manufacturing Establishments by Industry 125
12.7 Workers in Manufacturing by Industry 126
12.8 Remuneration in Manufacturing by Industry 127
12.9 Index of Industrial Production 128
12.10 Unit Business Cost Index of Manufacturing 128

Building, Real Estate, Construction and Housing 129

13.1 Available and Vacant Private Residential Properties 132
13.2 Supply of Private Residential Properties in the Pipeline by Development Status 133
13.3 Approval, Construction Commencement and Completion of Private Residential Properties 133
13.4 Available and Vacant Executive Condominiums and Supply of Executive Condominiums in the Pipeline by Development Status 134
13.5 Available and Vacant Commercial and Industrial Properties 135
13.6 Supply of Commercial and Industrial Properties in the Pipeline by Development Status 137
13.7 Approval, Construction Commencement and Completion of Commercial Developments 139
13.8 Contracts Awarded by Sector and Development Type 140
13.9 Progress Payments Certified by Sector and Development Type 141
13.10 Properties Under the Management of Housing and Development Board 142
13.11 Residential Units Constructed and Sold by Housing and Development Board 143
13.12 Residential Units under the Management of Housing and Development Board, 31 December 2018 144
13.13 Gross Allocation, Returns, Total Allocated, Supply and Occupancy Rates of JTC's Ready-Built Facilities by Product Segment 145
13.14 Gross Allocation, Returns, Total Allocated and Supply of JTC's Prepared Industrial Land 146
13.15 Residential Dwellings 147

Page

Services 148

14.1 Principal Statistics of Services 151
14.2 Retail Sales Index 153
14.3 Food & Beverage Services Index 154
14.4 Domestic Wholesale Trade Index 155
14.5 Foreign Wholesale Trade Index 156
14.6 Business Receipts Index for Services Industries 157

International Trade 158

15.1 Merchandise Trade by Type 161
15.2 Total Merchandise Trade by Region/Market 162
15.3 Merchandise Imports by Region/ Market 163
15.4 Merchandise Exports by Region/ Market 164
15.5 Domestic Exports by Region/ Market 165

15.6 Non-oil Domestic Exports by Region/ Market 166
15.7 Merchandise Imports by Commodity Section 167
15.8 Merchandise Exports by Commodity Section 169
15.9 Domestic Exports by Commodity Section 171
15.10 Re-Exports by Commodity Section 173

15.11 Trade in Services 175
15.12 Exports of Services by Services Category 176
15.13 Imports of Services by Services Category 177
15.14 Exports of Services by Major Trading Partner 178
15.15 Imports of Services by Major Trading Partner 180

Transport 182

16.1 Sea Cargo and Shipping Statistics 185
16.2 Vessel Arrivals by Type 186
16.3 Vessel Arrivals by Purpose 187
16.4 Civil Aircraft Arrivals/Departures, Passengers and Mail 188
16.5 Air Cargo Discharged by Region/Country of Origin 189

16.6 Air Cargo Loaded by Region/Country of Destination 190
16.7 Air Passenger Arrivals by Region/Country of Embarkation 191
16.8 Air Passenger Departures by Region/Country of Disembarkation 192
16.9 Public Roads 193
16.10 Motor Vehicle Population by Type of Vehicle 193

16.11 Car Population by CC Rating 194
16.12 Age Distribution of Cars 194
16.13 Road Traffic Accident Casualties 195
16.14 Vehicles involved in Fatal and Injury Road Traffic Accidents by Type of Vehicle 196
16.15 Public Transport Operation and Ridership 197

Page

InfoComm and Media 198

17.1 Postal Articles Handled and Telecommunications 200
17.2 Revenue of the Information and Communication Technology Industry 201
17.3 Radio and Television Transmission and Pay TV Subscribers 202
17.4 Daily Newspaper Circulation 203

Tourism 204

18.1 International Visitor Arrivals by Inbound Tourism Markets 206
18.2 International Visitor Arrivals by (a) Sex and (b) Age Group 208
18.3 International Visitor Arrivals by Length of Stay 209
18.4 Tourism Receipts by Major Components 209
18.5 Outbound Departures of Singapore Residents by Mode of Transport 210
18.6 Gazetted Hotel Statistics 210

Finance 211

19.1 Household Sector Balance Sheet 214
19.2 Currency in Circulation 215
19.3 Money Supply 215
19.4 Monetary Survey 216
19.5 Official Foreign Reserves 217

19.6 Exchange Rates 217
19.7 Number of Financial Institutions in Singapore 218
19.8 Assets of Domestic Banking Units 220
19.9 Liabilities of Domestic Banking Units 221
19.10 Loans and Advances of Domestic Banking Units to Non-bank Customers by Industry 222

19.11 Assets and Liabilities of Asian Currency Units 223
19.12 Assets and Liabilities of Finance Companies 224
19.13 Finance Companies' Loans and Advances by Industry 225
19.14 Assets and Liabilities of Domestic and Asian Currency Unit Operations of Merchant Banks 226
19.15 Domestic Interest Rates 227

19.16 Contributions and Withdrawals of Central Provident Fund 228
19.17 Withdrawals of Central Provident Fund by Type 229
19.18 Turnover on the Singapore Exchange (Equities) 230
19.19 Pledges at Pawnshops 232
19.20 Life Insurance Policies 233

Finance *(continued)*

19.21	Revenue and Expenditure Accounts of Life Insurance Funds	234
19.22	Assets of Life Insurance Funds	235
19.23	Premiums and Claims of General Insurance Funds	236
19.24	Revenue and Expenditure Accounts of General Insurance Funds	237
19.25	Assets of General Insurance Funds	238
19.26	Credit and Charge Cards	238

Public Finance 239

20.1	Overall Fiscal Position	242
20.2	Government Operating Revenue	244
20.3	Government Operating Expenditure by Sector	246
20.4	Government Development Expenditure by Sector	248
20.5	Government Debt by Instrument	250
20.6	Government Debt by Maturity	250
20.7	Taxable Individuals by Assessed Income Group, YA 2017	251
20.8	Taxable Companies by Chargeable Income Group, YA 2017	252
20.9	Taxable Companies by Economic Sector, YA 2017	253
20.10	Sources and Uses of Development Fund	254
20.11	General Government Finance	255
20.12	Government Finance	256

Prices 257

21.1	Consumer Price Index	260
21.2	Consumer Price Index for Households in Different Income Groups	261
21.3	Price Indices of Selected Consumer Items	262
21.4	Average Retail Prices of Selected Consumer Items	263
21.5	Domestic Supply Price Index	265
21.6	Singapore Manufactured Products Price Index	268
21.7	Import Price Index	270
21.8	Export Price Index	272
21.9	Construction Material Market Prices	275
21.10	Housing & Development Board Resale Price Index	276
21.11	Private Property Price Index by Type of Property	277
21.12	Price Indices of Non-landed Private Residential Properties by Locality	278
21.13	Commercial Property Rental Index In Central Region by Type of Property and Locality	279

Page

Education and Literacy 280

22.1 Enrolment in Educational Institutions 284
22.2 Students and Teachers in Educational Institutions, 2018 285
21.3 Enrolment in Government and Government-Aided Primary Schools by Level and Age 286
22.4 Enrolment in Government, Government-Aided, Independent, Specialised Independent and Specialised Secondary Schools and Junior Colleges by Level and Age 287
22.5 Enrolment in Polytechnic Diploma Courses by Type of Course 288
22.6 Enrolment in University First Degree Courses by Type of Course 289
22.7 Graduates from Polytechnic Diploma Courses by Type of Course 290
22.8 Graduates from University First Degree Courses by Type of Course 291
22.9 Enrolment in Polytechnic Advanced Diploma Courses by Type of Course 292
22.10 Enrolment in Higher Degree Courses by Type of Course 293
22.11 Graduates from Polytechnic Advanced Diploma Courses by Type of Course 294
22.12 Graduates from Higher Degree Courses by Type of Course 295
22.13 Enrolment and Graduates of Arts Institutions by Course and Level, 2018 296
22.14 Intake of Students/Trainees Under the Full-time Institutional Training and Traineeship Programmes and Students/Trainees who Completed the Programmes, 2018 297
22.15 Training Places Taken Up Under the Skills Training and Continuing Academic Education Programmes and Persons who Completed the Programmes, 2018 298
22.16 Government Expenditure on Education 299
22.17 Government Recurrent Expenditure on Education Per Student 300
22.18 Singapore Residents Aged 25 Years and Over by Highest Qualification Attained and Sex 201
22.19 Mean Years of Schooling 202
22.20 Literacy Rate 202

Health 203

23.1 Health Facilities 306
23.2 Beds in Inpatient Facilities 308
23.3 Hospital Admissions, Public Sector Outpatient Attendances and Day Surgeries 310
23.4 Hospital Admission Rate by Sex and Age 311
23.5 Registered Health Personnel 312
23.6 Visits to Public Sector Dental Clinics 315
23.7 Notifications of Specific Notifiable Diseases 315
23.8 Immunisation by Public and Non-Public Sectors 316
23.9 Immunisation Coverage for Children at 2 Years of Age 317
23.10 Vaccination and Immunisation of School Children 317
23.11 Student Medical Check-up 318
23.12 Common Health Problems of Students Examined 319

Page

Hawkers and Food Establishments 320

24.1 Licensed Hawkers Under National Environment Agency 322
24.2 Licensed Food Establishments 323

Community Services 324

25.1 Grassroots Organisations 328
25.2 Volunteers 329
25.3 Number, Capacity and Enrolment in Child Care Centres 330
25.4 Number and Enrolment in Kindergartens 331
25.5 Comcare Schemes 332
25.6 Senior Activity Centres 333
25.7 Residents in Old Folks' Homes by Type of Organisation and Sex 334
25.8 Family Service Centres 335

Culture and Recreation 336

26.1 Cinemas, Seating Capacity and Attendances 339
26.2 National Library Board Library Membership, Collections and Loans 340
26.3 Visitors to Places of Interest 341
26.4 Utilisation of Sports Facilities 342
26.5 Interest Groups in Community Clubs and Residents' Committees/ Residents' Networks/Neighbourhood Commitees 343
26.6 Sports and Performing Arts Courses Conducted by Community Clubs, Residents' Committees/Residents' Networks/Neighbourhood Commitees and PA Water-Venture 344
26.7 The Arts 345
26.8 Ticket Sales For Performing Arts Events 346
26.9 Registered Arts and Cultural Societies and Companies 347

Miscellaneous 348

27.1 Water Sales and Water Prices 352
27.2 Electricity Generation, Consumption and Tariffs 353
27.3 Total Final Energy Consumption by Energy Type and Sector 355
27.4 Gas Sales and Tariffs 356
27.5 Waste Disposed of and Recycled 356
27.6 Fire Occurrences 357
27.7 Crime Cases Recorded 358
27.8 Number of Bankruptcy Applications, Orders Made and Discharges 358

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 Table

Table 26.8	Ticket Sales for Performing Arts Events

Addition of New Series

Table 6.1	Balance of Payments
Table 13.13	Gross Allocation, Returns, Total Allocated, Supply and Occupancy Rate of JTC's Ready-Built Facilities by Product Segment
Table 15.12	Exports of Services by Services Category
Table 15.13	Imports of Services by Services Category
Table 16.4	Civil Aircraft Arrivals/Departures, Passengers and Mail
Table 19.7	Number of Financial Institutions in Singapore
Table 21.6	Singapore Manufactured Products Price Index
Table 22.14	Intake of Students/Trainees Under the Full-time Institutional Training and Traineeship Programmes and Students/Trainees Who Completed the Programmes, 2018
Table 25.5	Comcare Schemes
Table 26.7	The Arts

Replacement of Existing Series

Table 4.16	Indices of Unit Labour Cost By Industry
Table 4.21	Singapore Workforce Skills Qualifications (WSQ) Trainees by Age, Highest Qualification Attained and Sex
Table 5.2	Gross Domestic Product by Industry
Table 5.3	Expenditure on Gross Domestic Product
Table 5.4	Private Consumption Expenditure
Table 5.5	Gross Fixed Capital Formation
Table 7.1	Stock of Foreign Direct Investment in Singapore by Industry
Table 7.2	Stock of Singapore's Direct Investment Abroad by Activity Abroad
Table 8.6	R&D Expenditure by Major Industry in the Private Sector
Table 10.3	Formation of All Business Entities by Industry
Table 10.4	Cessation of All Business Entities by Industry
Table 10.5	Formation of Companies by Industry
Table 10.6	Cessation of Companies by Industry
Table 10.7	Formation of Sole-proprietorships & Partnerships by Industry
Table 10.8	Cessation of Sole-proprietorships & Partnerships by Industry
Table 12.10	Unit Business Cost Index of Manufacturing
Table 13.6	Supply of Commercial and Industrial Properties in the Pipeline by Development Status
Table 14.1	Principal Statistics of Services
Table 21.5	Domestic Supply Price Index
Table 21.6	Singapore Manufactured Products Price Index

Other Changes

Selected data series have been discontinued in the following tables:

Table 6.1	Balance of Payments
Table 13.7	Approval, Construction Commencement and Completion of Commercial Developments
Table 19.7	Number of Financial Institutions in Singapore
Table 21.5	Domestic Supply Price Index
Table 21.6	Singapore Manufactured Products Price Index
Table 21.7	Import Price Index
Table 21.8	Export Price Index
Table 24.2	Licensed Food Establishments

Economy

GDP 2018
At Current Market Prices

S$ 491 Bil

Per Capita GDP
$87,108

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

Population

Population Density

7,804
persons[1]/sq km

Total Population[1]
5.64 Mil
at end-June 2018

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

Find out more at www.singstat.gov.sg/modules/infographics/population

1

Climate and Air Quality

1 Climate and Air Quality

Geography

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

The 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 722.5km² as at end June 2018. 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 has a tropical climate, with relatively uniform temperature, abundant rainfall and high humidity. The climate is characterised by two monsoon seasons — the Northeast Monsoon (December to early March) and the Southwest Monsoon (June to September) separated by inter-monsoonal periods.

The early part of the Northeast Monsoon is the wetter period of the year when monsoon surges occur. Afternoon thunderstorms are common throughout the year, especially during the inter-monsoonal periods.

During the Southwest Monsoon and inter-monsoonal periods, widespread heavy rain and gusty winds associated with Sumatra squalls occur occasionally.

Singapore's 1981-2010 long-term average daily temperature is 27.5°C, with an average daily maximum and minimum of 31.5°C and 24.7°C respectively. The long-term average annual rainfall is 2,166mm.

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.

The air quality can be described as 'Good', 'Moderate', 'Unhealthy', 'Very unhealthy' or 'Hazardous' from the Pollutant Standards Index (PSI) reading. The PSI is computed based on six key air pollutant parameters: Sulphur Dioxide (SO_2), Particulate Matter (PM_{10} and $PM_{2.5}$), Nitrogen Dioxide (NO_2), Carbon Monoxide (CO) and Ozone (O_3).

Air quality in 2018 was not affected by transboundary haze and was in the 'Good' and 'Moderate' range throughout the year.

An annual summary of Singapore's air quality is available in the "Key Environmental Statistics" report, published by the Ministry of the Environment and Water Resources (MEWR).

1.1 AIR TEMPERATURE AND SUNSHINE

	Unit	2012	2013	2014	2015	2016	2017	2018
Air Temperature								
Means								
Daily Maximum	°C	31.2	31.3	31.6	31.9	32.0	31.1	31.6
Daily Minimum	°C	25.0	25.0	25.3	25.8	25.8	25.2	25.4
Absolute Extremes								
Maximum	°C	33.7	35.2	34.5	34.4	35.0	34.6	35.0
Minimum	°C	21.1	20.9	21.1	21.9	21.6	21.8	21.3
Bright Sunshine								
Daily Mean	Hour	5.5	5.4	6.0	6.2	6.0	5.8	5.7

Source : National Environment Agency

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15309

1.2 RELATIVE HUMIDITY AND RAINFALL

	Unit	2012	2013	2014	2015	2016	2017	2018
Minimum Relative Humidity	Per Cent	48	36	37	35	33	44	33
24 Hours Mean Relative Humidity	Per Cent	83.5	81.7	78.5	76.9	76.0	82.6	79.6
Rainfall								
Total	mm	2,159.9	2,748.4	1,538.4	1,266.8	1,955.7	2,045.6	1,708.2
Highest Daily Total	mm	92.3	139.8	64.4	63.2	75.4	69.8	60.6
Rainy Days	No.	191	206	152	125	179	204	188

Source : National Environment Agency

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15309

1.3 AIR POLLUTION LEVELS

µg/m^3

	2012	2013	2014	2015	2016	2017	2018
Sulphur Dioxide							
Annual mean	13	14	12	12	13	12	9
Maximum 24-hour mean	98	75	83	75	61	59	65
Nitrogen Dioxide							
Annual mean	25	25	24	22	26	25	26
Maximum 1-hour mean	154	132	121	99	123	158	147
Particulate Matter (PM_{10})							
Annual mean	29	31	30	37	26	25	29
99th percentile 24-hour mean	57	215	75	186	61	57	59
Particulate Matter ($PM_{2.5}$)							
Annual mean	19	20	18	24	15	14	15
99th percentile 24-hour mean	42	176	51	145	40	34	32
Carbon Monoxide							
Maximum 8-hour mean	1.9	5.5	1.8	3.3	2.2	1.7	2.0
Maximum 1-hour mean	2.4	7.5	2.7	3.5	2.7	2.3	2.5
Ozone							
Maximum 8-hour mean	122	139	135	152	115	191	150

Source : National Environment Agency

Notes : Singapore's Air Quality Targets by 2020
Singapore Sustainable Blueprint Target: Sulphur Dioxide ≤ 15 µg/m^3 (annual mean)
World Health Organisation (WHO) Interim Target-2: Sulphur Dioxide ≤ 50 µg/m^3 (24-hour mean)
WHO Air Quality Guideline: Nitrogen Dioxide ≤ 40 µg/m^3 (annual mean)
≤ 200 µg/m^3 (1-hour mean)
WHO Air Quality Guideline: PM_{10} (Particulate Matter ≤ 10 microns) ≤ 20 µg/m^3 (annual mean)
≤ 50 µg/m^3 (99th Percentile 24-hour mean)
Singapore Sustainable Blueprint Target: $PM_{2.5}$ (Particulate Matter ≤ 2.5 microns) ≤ 12 µg/m^3 (annual mean)
WHO Interim Target-3: $PM_{2.5}$ (Particulate Matter ≤ 2.5 microns) ≤ 37.5 µg/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 µg/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.

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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.

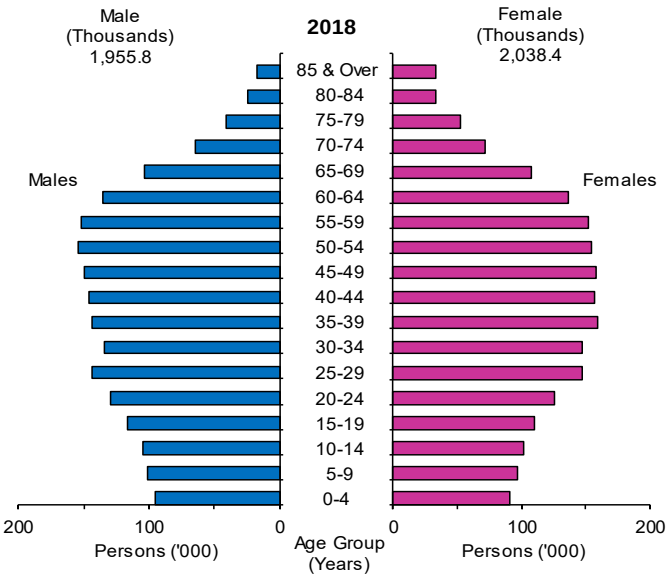
From the 2000 census onwards, the de jure concept for Singapore's population estimates based on a person's place of usual residence was adopted. Under this concept, Singapore residents (comprising Singapore citizens and permanent residents) with local addresses were included in the total population count. 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 2018



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

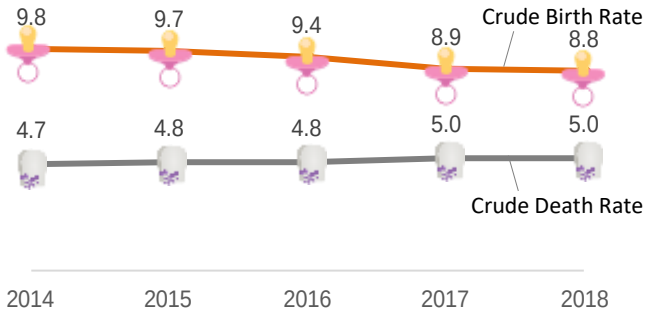
classified separately from births and deaths, must be registered within 14 days of their occurrence.

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, 2018

Divorces and Annulments

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

Statistics on divorces under the Administration of Muslim Law Act 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 relating to divorces and annulments found in this publication, 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, 2018

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. Statistical analyses of Singapore's changing population profiles can also be found in the publication.

Key Indicators in 2018

Total Fertility Rate was **1.14** per female

Infant Mortality Rate was **2.1** per 1,000 live-births

Life Expectancy at Birth was ...

81.0 years for male residents

85.4 years for female residents

83.2 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
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
2018	5,638,676	3,994,283	3,471,936	522,347	1,644,393
	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
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
2018	0.5	0.7	1.0	-0.8	-0.1

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
2018	3.7	8.8	5.0	2.9	2.1	1.14	0.56	0.55

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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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13274
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)	2012	2013	2014	2015	2016	2017	2018
				Males			
Total	1,880,046	1,891,504	1,902,410	1,916,628	1,929,526	1,943,545	1,955,838
0 - 4	94,924	93,520	92,528	93,852	95,678	96,041	94,916
5 - 9	105,033	104,586	104,588	103,861	102,426	102,010	101,636
10 - 14	119,697	116,000	112,959	109,401	105,589	104,885	105,026
15 - 19	132,106	129,989	126,514	124,287	122,911	119,500	116,102
20 - 24	132,675	134,034	132,902	133,493	132,046	131,825	129,956
25 - 29	123,056	124,013	129,304	132,504	137,243	142,427	143,758
30 - 34	140,686	141,262	138,954	137,847	135,596	132,378	133,775
35 - 39	152,252	147,408	144,959	143,795	143,553	142,776	143,661
40 - 44	151,213	152,691	154,320	154,460	152,466	150,641	145,974
45 - 49	161,122	158,312	153,194	149,607	147,517	148,095	149,811
50 - 54	156,561	157,789	158,734	158,465	158,202	156,386	153,908
55 - 59	136,379	140,813	144,316	147,860	150,315	151,320	152,528
60 - 64	105,781	110,241	115,217	119,660	125,130	130,589	134,928
65 - 69	62,372	70,525	78,285	88,697	96,349	99,351	103,758
70 - 74	47,890	48,663	49,438	47,779	48,691	56,463	64,029
75 - 79	29,715	31,164	33,753	36,126	38,976	40,524	41,288
80 - 84	17,496	18,572	19,515	20,932	21,884	22,400	23,779
85 & Over	11,088	11,922	12,930	14,002	14,954	15,934	17,005
				Females			
Total	1,938,159	1,953,247	1,968,329	1,986,062	2,004,033	2,022,251	2,038,445
0 - 4	91,749	89,775	88,841	89,723	91,482	91,612	90,612
5 - 9	101,291	101,118	101,202	100,591	99,083	98,565	97,430
10 - 14	113,623	110,244	107,837	104,987	101,906	101,368	101,504
15 - 19	126,755	125,077	120,823	118,615	116,860	113,473	110,418
20 - 24	131,831	132,855	131,016	130,634	128,808	127,247	125,560
25 - 29	131,526	131,602	136,355	138,526	142,745	147,771	147,873
30 - 34	154,710	155,608	153,333	152,772	149,948	146,962	147,622
35 - 39	161,718	158,095	157,070	157,272	158,445	158,180	160,059
40 - 44	157,610	159,890	161,703	162,295	160,979	160,843	157,666
45 - 49	159,803	158,024	155,339	153,806	153,666	155,362	158,027
50 - 54	153,815	155,199	156,769	156,626	157,396	156,428	155,057
55 - 59	135,438	140,256	144,076	147,203	149,276	150,358	151,862
60 - 64	108,215	111,913	116,285	120,833	126,723	132,062	136,760
65 - 69	66,507	75,292	82,913	93,728	101,671	104,618	108,343
70 - 74	56,524	57,083	57,377	54,852	55,105	63,031	71,517
75 - 79	37,960	39,455	42,541	45,085	48,979	51,429	52,039
80 - 84	26,619	27,627	28,903	30,853	31,672	31,941	33,324
85 & Over	22,465	24,134	25,946	27,661	29,289	31,001	32,772

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 2018

Number

Ethnic Group / Sex	Total	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39
Total	3,994,283	185,528	199,066	206,530	226,520	255,516	291,631	281,397	303,720
Males	1,955,838	94,916	101,636	105,026	116,102	129,956	143,758	133,775	143,661
Females	2,038,445	90,612	97,430	101,504	110,418	125,560	147,873	147,622	160,059
Chinese	2,969,281	126,229	137,097	136,796	154,198	180,656	213,123	206,873	221,887
Males	1,445,375	64,571	70,539	70,044	79,286	92,077	105,003	98,895	105,120
Females	1,523,906	61,658	66,558	66,752	74,912	88,579	108,120	107,978	116,767
Malays	535,824	36,169	30,930	33,438	40,170	45,986	48,796	41,104	34,512
Males	266,486	18,624	15,878	17,117	20,922	23,682	24,921	20,661	16,955
Females	269,338	17,545	15,052	16,321	19,248	22,304	23,875	20,443	17,557
Indians	360,528	16,689	22,990	26,758	23,655	22,268	23,361	24,723	33,661
Males	184,496	8,571	11,518	13,329	11,849	11,058	11,510	11,541	16,330
Females	176,032	8,118	11,472	13,429	11,806	11,210	11,851	13,182	17,331
Others	128,650	6,441	8,049	9,538	8,497	6,606	6,351	8,697	13,660
Males	59,481	3,150	3,701	4,536	4,045	3,139	2,324	2,678	5,256
Females	69,169	3,291	4,348	5,002	4,452	3,467	4,027	6,019	8,404

Ethnic Group / Sex	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 & Over
Total	303,640	307,838	308,965	304,390	271,688	212,101	135,546	93,327	57,103	49,777
Males	145,974	149,811	153,908	152,528	134,928	103,758	64,029	41,288	23,779	17,005
Females	157,666	158,027	155,057	151,862	136,760	108,343	71,517	52,039	33,324	32,772
Chinese	224,416	229,736	229,401	232,490	216,752	174,682	113,955	80,247	48,056	42,687
Males	105,892	109,048	112,715	115,822	107,316	85,687	53,792	35,684	20,059	13,825
Females	118,524	120,688	116,686	116,668	109,436	88,995	60,163	44,563	27,997	28,862
Malays	29,543	32,821	41,235	40,637	31,742	20,922	12,011	7,193	5,131	3,484
Males	14,169	15,807	20,212	20,185	15,577	9,762	5,518	3,023	2,107	1,366
Females	15,374	17,014	21,023	20,452	16,165	11,160	6,493	4,170	3,024	2,118
Indians	34,181	30,480	27,280	23,858	18,500	13,432	7,788	4,838	3,178	2,888
Males	18,881	17,731	15,181	12,572	9,365	6,543	3,652	2,052	1,280	1,533
Females	15,300	12,749	12,099	11,286	9,135	6,889	4,136	2,786	1,898	1,355
Others	15,500	14,801	11,049	7,405	4,694	3,065	1,792	1,049	738	718
Males	7,032	7,225	5,800	3,949	2,670	1,766	1,067	529	333	281
Females	8,468	7,576	5,249	3,456	2,024	1,299	725	520	405	437

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)	2012	2013	2014	2015	2016	2017	2018
15 - 19	4.3	3.8	3.3	2.7	2.7	2.6	2.5
20 - 24	22.2	19.7	19.5	18.7	17.0	15.1	14.4
25 - 29	76.7	70.5	71.1	68.7	65.8	62.2	60.6
30 - 34	99.5	90.2	99.3	98.5	96.2	93.3	92.9
35 - 39	46.3	44.7	48.3	49.9	49.7	48.6	48.4
40 - 44	8.0	8.0	8.3	8.9	8.8	9.0	8.8
45 - 49	0.3	0.3	0.3	0.4	0.3	0.5	0.5

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13273

2.6 LIVE-BIRTHS BY ETHNIC GROUP AND SEX

Number

Ethnic Group / Sex	2012	2013	2014	2015	2016	2017	2018
Total	42,663	39,720	42,232	42,185	41,251	39,615	39,039
Males	22,102	20,528	21,679	21,755	21,315	20,408	20,093
Females	20,561	19,191	20,552	20,430	19,936	19,207	18,945
Chinese	26,760	23,890	25,958	25,412	24,749	23,360	22,650
Males	13,998	12,388	13,446	13,054	12,750	11,985	11,642
Females	12,762	11,502	12,512	12,358	11,999	11,375	11,008
Malays	5,908	6,067	6,468	6,961	7,143	7,315	7,592
Males	3,047	3,130	3,265	3,608	3,701	3,784	3,895
Females	2,861	2,937	3,202	3,353	3,442	3,531	3,696
Indians	4,672	4,648	4,678	4,895	4,499	4,421	4,349
Males	2,311	2,398	2,347	2,564	2,355	2,250	2,240
Females	2,361	2,250	2,331	2,331	2,144	2,171	2,109
Other Ethic Groups	5,323	5,115	5,128	4,917	4,860	4,519	4,448
Males	2,746	2,612	2,621	2,529	2,509	2,389	2,316
Females	2,577	2,502	2,507	2,388	2,351	2,130	2,132

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15162

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

Number

	2012	2013	2014	2015	2016	2017	2018
Total	42,663	39,720	42,232	42,185	41,251	39,615	39,039
Birth Order [1]							
1st	20,755	19,292	20,327	20,248	19,392	18,570	18,211
2nd	15,082	13,924	15,262	14,857	14,913	14,206	13,937
3rd	4,988	4,651	4,859	5,099	4,927	4,721	4,804
4th	1,299	1,294	1,243	1,394	1,378	1,380	1,413
5th	352	360	357	388	434	473	417
6th & over	187	199	184	199	207	265	257
Place of Occurrence							
Public Sector Hospitals	16,403	15,646	17,066	17,730	17,895	17,911	18,375
Private Sector Hospitals	26,149	23,919	25,029	24,300	23,191	21,497	20,476
Other Locations	111	155	137	155	165	207	188

Source : Registry of Births and Deaths
Notes : Data are based on date of occurrence.

1 Includes birth order not stated.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13251
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13250

2.8 RESIDENT AGE-SEX SPECIFIC DEATH RATES

Per Thousand Residents

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Total						
Total	4.5	4.6	4.7	4.8	4.8	5.0	5.0
Under 1 [1]	1.8	2.0	1.8	1.7	2.4	2.2	2.1
1 - 4	0.2	0.2	0.1	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	0.2	0.2	0.2	0.3
25 - 29	0.3	0.3	0.2	0.3	0.3	0.3	0.3
30 - 34	0.4	0.4	0.4	0.4	0.3	0.4	0.4
35 - 39	0.6	0.5	0.5	0.5	0.5	0.5	0.5
40 - 44	0.9	0.9	0.9	0.9	0.9	0.8	0.7
45 - 49	1.6	1.5	1.5	1.5	1.4	1.4	1.4
50 - 54	2.5	2.7	2.5	2.5	2.4	2.6	2.3
55 - 59	4.6	4.3	4.5	4.2	4.1	3.9	3.9
60 - 64	7.3	7.0	6.4	6.5	6.2	6.3	6.3
65 - 69	11.9	11.0	10.6	10.4	10.1	9.9	9.5
70 - 74	20.0	19.6	18.5	18.2	16.7	16.9	16.5
75 - 79	33.3	33.8	32.6	31.8	30.1	28.9	28.3
80 - 84	55.7	55.7	56.3	51.6	53.0	53.7	51.4
85 & Over	116.2	116.4	115.4	113.8	108.2	112.1	109.8

(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 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)	2012	2013	2014	2015	2016	2017	2018
	Males						
Total	5.0	5.1	5.2	5.2	5.3	5.5	5.6
Under 1 [1]	2.0	1.8	1.9	2.2	2.3	2.0	2.3
1 - 4	0.2	0.1	0.1	0.2	0.2	0.1	0.1
5 - 9	0.1	0.1	-	0.1	0.1	0.1	-
10 - 14	0.2	0.1	-	0.1	0.2	0.1	0.1
15 - 19	0.2	0.3	0.3	0.2	0.3	0.3	0.3
20 - 24	0.5	0.4	0.4	0.3	0.3	0.3	0.4
25 - 29	0.4	0.3	0.3	0.4	0.4	0.3	0.3
30 - 34	0.4	0.6	0.5	0.5	0.4	0.5	0.5
35 - 39	0.6	0.6	0.7	0.7	0.6	0.7	0.6
40 - 44	1.2	1.2	1.3	1.1	1.1	1.1	0.9
45 - 49	1.9	2.0	1.7	1.9	1.7	1.7	1.8
50 - 54	3.1	3.4	3.0	3.1	3.1	3.1	2.8
55 - 59	5.8	5.7	5.8	5.4	5.3	4.8	5.0
60 - 64	9.7	8.8	8.4	8.5	8.2	8.2	8.2
65 - 69	15.2	14.5	13.8	13.9	13.3	12.9	12.5
70 - 74	26.5	26.0	24.4	23.9	22.5	22.9	22.4
75 - 79	42.3	43.3	41.0	41.0	38.4	37.4	35.9
80 - 84	69.9	68.2	70.6	63.7	66.6	65.5	62.8
85 & Over	132.3	131.0	128.5	124.8	124.2	128.9	123.4

(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 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)	2012	2013	2014	2015	2016	2017	2018
	Females						
Total	4.1	4.2	4.3	4.3	4.3	4.5	4.5
Under 1 [1]	1.6	2.1	1.7	1.2	2.5	2.4	1.9
1 - 4	0.1	0.2	0.1	0.1	0.1	0.1	0.1
5 - 9	0.1	-	-	-	0.1	-	0.1
10 - 14	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 - 19	0.2	0.2	0.2	0.2	0.1	0.1	0.1
20 - 24	0.2	0.2	0.1	0.2	0.2	0.1	0.2
25 - 29	0.2	0.2	0.1	0.2	0.2	0.2	0.2
30 - 34	0.4	0.3	0.2	0.3	0.2	0.3	0.3
35 - 39	0.5	0.4	0.3	0.4	0.3	0.3	0.4
40 - 44	0.7	0.7	0.7	0.6	0.8	0.5	0.5
45 - 49	1.3	1.1	1.2	1.1	1.1	1.1	1.0
50 - 54	2.0	2.0	1.9	1.9	1.8	2.0	1.8
55 - 59	3.3	3.0	3.2	3.1	3.0	3.0	2.7
60 - 64	5.1	5.1	4.4	4.5	4.3	4.5	4.4
65 - 69	8.7	7.8	7.5	7.1	7.0	7.0	6.6
70 - 74	14.5	14.2	13.5	13.2	11.5	11.6	11.3
75 - 79	26.3	26.3	25.9	24.4	23.5	22.2	22.3
80 - 84	46.4	47.2	46.6	43.4	43.7	45.4	43.2
85 & Over	108.3	109.1	108.8	108.2	100.0	103.4	102.7

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13249

2.9 DEATHS BY BROAD GROUP OF CAUSES

Number

Causes of Death	2012	2013	2014	2015	2016	2017	2018
Total	18,481	18,938	19,393	19,862	20,017	20,905	21,282
Infective & Parasitic Diseases	233	211	217	194	174	189	199
of which : Tuberculosis	65	51	60	41	41	32	28
Neoplasms	5,651	5,849	5,790	5,986	5,993	6,237	6,243
of which : Malignant	5,565	5,775	5,701	5,903	5,925	6,077	6,132
Endocrine, Nutritional & Metabolic Diseases	279	253	296	270	363	340	296
of which : Diabetes	268	247	277	250	343	321	281
Diseases of the Blood & Blood-Forming Organs	20	14	23	10	14	17	25
Diseases of the Nervous System & Sense Organs	166	137	144	210	226	185	215
Diseases of the Circulatory System	5,747	5,765	5,987	6,101	6,107	6,541	6,457
of which : Heart & Hypertensive Diseases	3,848	3,914	4,165	4,534	4,576	4,970	4,939
Cerebrovascular Disease	1,714	1,680	1,620	1,357	1,317	1,310	1,277
Diseases of the Respiratory System	3,708	4,061	4,232	4,417	4,440	4,757	4,909
of which : Pneumonia	3,096	3,512	3,680	3,859	3,855	4,212	4,380
Diseases of the Digestive System	414	418	482	477	467	485	518
Diseases of the Genito-Urinary System	934	967	951	928	913	925	1,092
Congenital Anomalies	54	47	50	62	72	49	61
of which : Congenital Anomalies of Heart	25	21	26	32	38	22	27
Certain Causes of Perinatal Mortality	44	43	42	30	36	39	35
Accidents, Poisonings & Violence	1,030	933	909	895	890	840	909
of which : Transport Accidents	192	176	183	168	164	141	140
Suicides	467	422	415	409	429	361	397
Other Diseases & Causes	201	240	270	282	322	301	323

Source : Registry of Births and Deaths

Notes : Causes of death are classified according to the Tenth Revision of the International Classification of Diseases (ICD).

Download time series at 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	83.2	80.9	85.4	21.0	19.2	22.6
2018	83.2	81.0	85.4	21.1	19.3	22.6

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13276

2.11 AGE AT FIRST MARRIAGE AND DIVORCE

Years

	2012	2013	2014	2015	2016	2017	2018
Median Age at First Marriage							
Grooms	30.1	30.2	30.2	30.3	30.3	30.0	30.2
Brides	28.0	28.1	28.2	28.2	28.3	28.4	28.5
Median Age at Divorce [1]							
Male Divorcees	41.6	42.4	42.6	42.9	42.8	43.2	43.2
Female Divorcees	38.0	38.2	38.4	38.8	38.5	39.1	38.9

1 Excludes annulments.

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

2.12 RESIDENT AGE-SEX SPECIFIC MARRIAGE RATES

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Males (per thousand unmarried resident males)						
15 - 19	0.6	0.6	0.5	0.6	0.4	0.4	0.3
20 - 24	12.2	10.9	10.7	10.1	9.2	9.3	9.0
25 - 29	77.8	71.5	77.0	76.4	78.2	81.7	74.6
30 - 34	117.8	109.9	127.2	132.5	131.2	130.1	120.3
35 - 39	96.5	86.2	89.1	90.6	88.8	90.9	91.7
40 - 44	65.2	56.0	61.0	54.6	58.3	59.8	52.3
45 - 49	39.8	36.0	35.7	36.3	35.5	37.1	33.3
50 - 54	27.0	26.8	26.6	23.4	21.4	24.4	22.2
55 - 59	21.0	16.1	17.6	17.3	14.5	16.1	15.9
60 - 64	15.6	11.9	12.4	12.5	12.5	10.6	10.7
65 & Over	5.1	4.1	3.9	4.0	4.0	3.9	3.8
General Marriage Rate (per thousand unmarried resident males aged 15-49 years)	43.8	40.5	44.4	44.2	44.4	45.7	43.3
	Females (per thousand unmarried resident females)						
15 - 19	2.3	2.2	1.7	1.7	1.7	1.5	1.2
20 - 24	24.4	21.3	22.3	20.9	19.9	19.8	18.4
25 - 29	106.7	97.4	103.8	107.2	106.8	108.8	99.8
30 - 34	96.2	89.2	105.3	106.5	105.8	101.6	100.0
35 - 39	43.2	44.6	44.3	48.2	48.9	51.2	48.0
40 - 44	21.0	19.4	19.5	21.1	21.3	22.4	22.0
45 - 49	10.5	10.2	11.7	10.4	11.7	12.0	12.1
50 - 54	5.7	5.2	5.4	6.7	5.5	5.6	6.3
55 - 59	2.7	2.7	2.8	2.6	2.4	2.9	2.8
60 - 64	1.3	0.9	1.0	1.3	1.4	1.3	1.5
65 & Over	0.2	0.2	0.1	0.2	0.2	0.2	0.2
General Marriage Rate (per thousand unmarried resident females aged 15-49 years)	39.4	36.9	40.8	41.1	41.6	42.8	40.8

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14168

2.13 GROOMS BY AGE GROUP

Number

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Women's Charter						
Total	23,134	21,180	22,863	22,544	22,017	22,162	21,308
Under 20	46	53	37	24	25	25	20
20 - 24	1,297	1,097	1,034	921	824	769	718
25 - 29	7,323	6,568	7,390	7,191	7,111	7,707	7,130
30 - 34	7,066	6,681	7,171	7,242	7,091	6,888	6,728
35 - 39	3,303	3,062	3,284	3,208	3,205	3,093	3,078
40 - 44	1,661	1,533	1,756	1,741	1,629	1,618	1,482
45 - 49	1,025	898	872	891	872	825	891
50 - 54	671	635	626	578	532	534	525
55 - 59	384	345	376	396	351	366	364
60 & Over	358	308	317	352	377	337	372
	Administration of Muslim Law Act						
Total	4,802	5,074	5,544	5,778	5,954	6,050	5,699
Under 20	38	28	33	48	27	33	20
20 - 24	610	578	591	613	591	607	577
25 - 29	2,106	2,177	2,444	2,507	2,727	2,787	2,592
30 - 34	946	1,084	1,273	1,282	1,268	1,214	1,163
35 - 39	441	446	413	481	476	530	501
40 - 44	246	293	297	283	312	307	275
45 - 49	176	196	218	215	204	222	208
50 - 54	123	131	138	169	168	156	174
55 - 59	54	80	80	90	88	98	101
60 & Over	62	61	57	90	93	96	88

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10059
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14156

2.14 BRIDES BY AGE GROUP

Number

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Women's Charter						
Total	23,134	21,180	22,863	22,544	22,017	22,162	21,308
Under 20	222	206	152	133	119	93	62
20 - 24	3,343	2,785	2,658	2,427	2,155	1,937	1,790
25 - 29	10,244	9,296	10,403	10,269	10,213	10,604	9,891
30 - 34	5,667	5,423	5,884	5,857	5,739	5,619	5,631
35 - 39	2,074	2,003	2,097	2,150	2,141	2,204	2,175
40 - 44	877	813	914	914	893	916	886
45 - 49	382	378	417	437	415	433	470
50 - 54	172	165	212	199	188	195	226
55 - 59	91	74	80	85	88	100	102
60 & Over	62	37	46	73	66	61	75
	Administration of Muslim Law Act						
Total	4,802	5,074	5,544	5,778	5,954	6,050	5,699
Under 20	164	149	134	145	125	111	97
20 - 24	1,279	1,245	1,384	1,345	1,293	1,322	1,207
25 - 29	1,969	2,132	2,417	2,494	2,732	2,757	2,576
30 - 34	641	711	820	856	835	871	833
35 - 39	284	344	293	351	370	391	380
40 - 44	194	214	213	269	248	229	233
45 - 49	160	139	149	145	180	190	185
50 - 54	72	76	75	111	104	100	101
55 - 59	24	40	37	36	38	44	52
60 & Over	15	24	22	26	29	35	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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10071
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10040

2.15 MARRIAGES REGISTERED BY ETHNIC GROUP OF COUPLE

Number

Ethnic Group	2012	2013	2014	2015	2016	2017	2018
	Women's Charter						
Total	23,134	21,180	22,863	22,544	22,017	22,162	21,308
Chinese	16,387	14,948	16,750	16,237	15,944	16,116	15,556
Indians	950	960	978	940	916	1,054	994
Others [1]	1,614	1,407	1,244	1,225	1,150	1,067	918
Inter-ethnic [2]	4,183	3,865	3,891	4,142	4,007	3,925	3,840
	Administration of Muslim Law Act						
Total	4,802	5,074	5,544	5,778	5,954	6,050	5,699
Malays	2,803	3,001	3,221	3,377	3,408	3,172	2,903
Indians	189	217	198	216	243	246	226
Others [3]	199	226	223	232	286	332	368
Inter-ethnic [4]	1,611	1,630	1,902	1,953	2,017	2,300	2,202

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

2.16 RESIDENT AGE-SEX SPECIFIC DIVORCE RATES

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Males (per thousand married resident males)						
20 - 24	28.4	25.8	25.3	30.8	27.6	25.9	28.6
25 - 29	21.7	21.7	20.2	17.8	16.7	16.8	15.6
30 - 34	13.3	13.1	13.1	12.5	12.6	12.5	12.1
35 - 39	11.9	12.0	11.6	11.7	12.8	11.5	11.8
40 - 44	9.4	9.8	9.9	10.1	9.6	10.2	9.7
45 - 49	7.6	8.5	7.7	8.3	8.4	7.7	8.5
50 & Over	3.3	3.6	3.5	3.7	3.6	3.7	3.4
General Divorce Rate (per thousand married resident males aged 20 years and over)	7.1	7.3	7.0	7.1	7.1	6.9	6.7
	Females (per thousand married resident females)						
20 - 24	29.1	26.7	23.5	26.3	28.6	27.9	27.7
25 - 29	15.8	17.5	16.0	15.3	15.1	14.3	14.7
30 - 34	12.0	12.4	11.7	11.6	11.9	12.1	11.8
35 - 39	10.0	10.3	10.1	9.6	10.1	9.9	10.2
40 - 44	8.2	8.0	8.3	8.8	8.4	8.3	8.2
45 - 49	5.6	6.3	6.1	6.4	6.2	6.9	6.5
50 & Over	2.4	2.5	2.4	2.6	2.6	2.6	2.4
General Divorce Rate (per thousand married resident females aged 20 years and over)	6.7	6.9	6.5	6.6	6.6	6.5	6.3

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14172

2.17 DIVORCES AND ANNULMENTS BY AGE GROUP OF MALES

Number

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Divorces under the Women's Charter						
Total	5,306	5,471	5,172	5,450	5,505	5,570	5,308
Under 25	24	28	34	40	24	32	27
25 - 29	256	274	227	234	247	266	219
30 - 34	785	740	730	725	692	707	598
35 - 39	1,149	1,051	997	1,020	1,113	1,014	1,054
40 - 44	952	980	946	1,039	1,022	1,039	932
45 - 49	798	892	769	826	825	798	863
50 - 54	606	705	648	664	664	668	642
55 - 59	372	408	419	446	447	509	452
60 & Over	357	393	351	436	456	526	508
Unknown	7	0	51	20	15	11	13
	Divorces under the Administration of Muslim Law Act						
Total	1,587	1,662	1,689	1,667	1,702	1,637	1,682
Under 25	49	40	33	41	40	23	31
25 - 29	172	180	159	162	191	174	179
30 - 34	286	290	293	288	305	275	328
35 - 39	275	310	265	279	284	281	292
40 - 44	265	257	295	249	234	261	244
45 - 49	235	257	229	231	229	204	220
50 - 54	157	172	210	222	191	195	171
55 - 59	87	85	121	94	119	115	124
60 & Over	60	71	84	101	109	109	93
Unknown	1	0	0	0	0	0	0
	Annulments under the Women's Charter						
Total	344	392	446	405	407	371	354
Under 25	18	21	14	14	13	11	9
25 - 29	84	88	109	105	87	98	85
30 - 34	99	111	132	117	137	126	123
35 - 39	65	63	75	68	82	73	69
40 & Over	78	109	116	101	88	63	68
Unknown	0	0	0	0	0	0	0

Sources : Family Justice Courts
Syariah Court
Registry of Muslim Marriages

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10084
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14087
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14101

2.18 DIVORCES AND ANNULMENTS BY AGE GROUP OF FEMALES

Number

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
	Divorces under the Women's Charter						
Total	5,306	5,471	5,172	5,450	5,505	5,570	5,308
Under 25	126	106	97	109	88	89	78
25 - 29	574	584	537	544	538	524	473
30 - 34	1,164	1,189	1,090	1,160	1,158	1,120	1,017
35 - 39	1,166	1,135	1,127	1,102	1,213	1,152	1,170
40 - 44	908	938	894	1,011	941	938	933
45 - 49	565	647	589	620	661	736	692
50 - 54	401	450	391	448	399	473	434
55 - 59	215	260	239	207	286	265	240
60 & Over	179	161	165	234	214	261	256
Unknown	8	1	43	15	7	12	15
	Divorces under the Administration of Muslim Law Act						
Total	1,587	1,662	1,689	1,667	1,702	1,637	1,682
Under 25	120	107	84	95	100	81	82
25 - 29	281	289	253	272	301	249	282
30 - 34	318	337	345	326	332	340	345
35 - 39	252	295	270	273	236	277	290
40 - 44	229	232	273	250	250	231	218
45 - 49	188	190	205	191	173	178	186
50 - 54	123	130	142	150	172	138	145
55 - 59	49	53	66	63	85	76	77
60 & Over	26	29	51	47	53	67	57
Unknown	1	0	0	0	0	0	0
	Annulments under the Women's Charter						
Total	344	392	446	405	407	371	354
Under 25	49	49	59	45	45	44	25
25 - 29	143	175	170	166	160	147	146
30 - 34	97	110	133	119	122	115	115
35 - 39	33	36	50	48	47	43	45
40 & Over	22	22	34	27	32	22	23
Unknown	0	0	0	0	1	0	0

Sources : Family Justice Courts
Syariah Court
Registry of Muslim Marriages

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10084
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14087
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14101

2.19 DIVORCES AND ANNULMENTS BY ETHNIC GROUP OF COUPLE

Number

Ethnic Group	2012	2013	2014	2015	2016	2017	2018
	Divorces under the Women's Charter						
Total	5,306	5,471	5,172	5,450	5,505	5,570	5,308
Chinese	4,240	4,331	4,018	4,121	4,123	4,090	3,972
Indians	336	373	352	387	380	436	383
Others [1]	91	86	89	118	119	125	112
Inter-ethnic [2]	628	658	701	802	853	881	804
	Divorces under the Administration of Muslim Law Act						
Total	1,587	1,662	1,689	1,667	1,702	1,637	1,682
Malays	1,209	1,211	1,254	1,177	1,181	1,145	1,183
Indians	95	74	70	77	98	94	87
Others [3]	15	22	20	21	14	8	12
Inter-ethnic [4]	268	355	345	392	409	390	400
	Annulments under the Women's Charter						
Total	344	392	446	405	407	371	354
Chinese	236	226	266	259	262	234	246
Indians	28	37	40	38	50	38	26
Others [1]	5	7	8	2	8	4	3
Inter-ethnic [2]	75	122	131	106	85	94	79

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=9804
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10099
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10087

3

Households

3 Households

Households

Household: Refers to (i) a group of two or more persons living together in the same house and sharing common food or other essential arrangements for living; or (ii) a person living alone or a person living with others but having his own food or other essential arrangements for living. 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 the temporary unemployment of a household member, before moving up the deciles when the member resumes work in the subsequent year.

It is therefore notable that, in comparing the performance of any particular decile group over time, the comparison may not pertain to the same group of households within the particular decile.

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 the Gini coefficient 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 and international organisations.

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. Commonly used equivalence scales include the modified Organisation of Economic Co-operation and Development (OECD) scale and the square root 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 contains data on households and housing, among other demographic statistics. Statistical analyses of Singapore's changing population profiles are also included in the publication.

Data on household income from work are 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 an explanatory video on 'Understanding the Gini Coefficient':

3.1 RESIDENT HOUSEHOLDS [1] BY HOUSEHOLD SIZE

	Unit	2012	2013	2014	2015	2016	2017	2018
Total	'000	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6	1,289.9	1,325.3
Household Size [2]								
1-Person	'000	109.5	124.4	134.8	146.0	156.2	167.9	185.4
2-Person	'000	230.9	234.1	252.2	259.2	276.1	289.2	306.3
3-Person	'000	238.3	243.7	251.5	256.2	266.2	277.0	276.9
4-Person	'000	281.1	290.9	280.1	282.2	286.2	278.1	284.5
5-Person	'000	170.5	165.5	162.9	164.0	161.2	161.4	160.7
6-Person or Larger	'000	121.8	116.0	118.4	117.6	117.6	116.3	111.6
Average Household Size	Persons	3.53	3.47	3.43	3.39	3.35	3.30	3.24

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.

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3.2 RESIDENT HOUSEHOLDS [1] BY TYPE OF DWELLING

Thousand

	2012	2013	2014	2015	2016	2017	2018
Total	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6	1,289.9	1,325.3
Total HDB Dwellings [2]	939.5	961.8	965.2	981.1	1,011.5	1,018.6	1,043.3
1- and 2-Room Flats [3]	54.0	59.1	64.0	68.8	74.1	75.4	81.4
3-Room Flats	214.5	223.2	220.1	223.4	230.3	229.1	233.9
4-Room Flats	375.4	382.4	386.0	392.3	407.4	409.9	420.8
5-Room and Executive Flats	293.3	294.3	292.8	295.8	298.6	302.9	307.2
Condominiums & Other Apartments	139.9	143.7	161.8	170.8	182.4	201.7	210.3
Landed Properties	69.0	65.0	69.4	69.2	66.2	66.5	67.9
Others	3.6	4.0	3.6	4.2	3.5	3.1	3.8

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 Prior to 2018, data include non-privatised Housing and Urban Development Corporation (HUDC) flats.
3 Includes HDB studio apartments.

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

Persons

	2012	2013	2014	2015	2016	2017	2018
Total	3.53	3.47	3.43	3.39	3.35	3.30	3.24
Total HDB Dwellings [3]	3.48	3.42	3.37	3.34	3.30	3.25	3.18
1- and 2-Room Flats [4]	2.36	2.38	2.32	2.24	2.16	2.19	2.08
3-Room Flats	2.79	2.74	2.70	2.69	2.67	2.63	2.58
4-Room Flats	3.63	3.58	3.53	3.49	3.46	3.42	3.34
5-Room and Executive Flats	3.98	3.94	3.88	3.89	3.84	3.77	3.71
Condominiums & Other Apartments	3.48	3.42	3.40	3.34	3.30	3.24	3.26
Landed Properties	4.35	4.33	4.32	4.30	4.28	4.29	4.17
Others	2.99	3.38	3.02	2.92	2.65	2.85	2.67

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 Prior to 2018, data include non-privatised Housing and Urban Development Corporation (HUDC) flats.
4 Includes HDB studio apartments.

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

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

	Unit	2012	2013	2014	2015	2016	2017	2018
Total [3]	'000	1,152.0	1,174.5	1,200.0	1,225.3	1,263.6	1,289.9	1,325.3
Owner [4]	'000	1,038.2	1,062.5	1,083.4	1,112.4	1,149.1	1,170.2	1,205.8
Tenant [5]	'000	106.8	105.7	109.8	106.2	107.6	109.8	112.4
Home Ownership Rate Among Resident Households	Per Cent	90.1	90.5	90.3	90.8	90.9	90.7	91.0

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

	2012	2013	2014	2015	2016	2017	2018
Home Ownership Rate Among Resident Households	90.1	90.5	90.3	90.8	90.9	90.7	91.0
Total HDB Dwellings [2]	91.7	91.8	91.6	92.0	92.2	92.1	92.2
1- and 2-Room Flats [3]	23.1	22.3	23.9	33.9	35.9	36.7	39.8
3-Room Flats	93.3	94.1	94.4	94.8	94.2	94.4	95.3
4-Room Flats	96.6	97.0	96.8	96.8	97.5	97.3	97.1
5-Room and Executive Flats	97.0	97.2	97.4	97.2	97.4	97.3	97.1
Condominiums & Other Apartments	80.3	82.5	83.3	84.1	84.1	83.6	84.9
Landed Properties	89.5	91.2	90.9	92.0	92.8	92.0	92.8
Others	65.1	47.7	47.1	54.9	51.5	57.1	58.4

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 Prior to 2018, data include non-privatised Housing and Urban Development Corporation (HUDC) flats.
3 Includes HDB studio apartments.

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
Median (50th Percentile)	2,127	2,247	2,380	2,500	2,584	2,699	2,792
20th Percentile	1,020	1,083	1,167	1,242	1,280	1,311	1,359

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.

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

Dollars

Deciles [3]	2012	2013	2014	2015	2016	2017	2018
Total	3,142	3,204	3,418	3,624	3,688	3,835	3,969
1st - 10th	440	463	494	541	543	554	570
11th - 20th	856	896	971	1,040	1,064	1,093	1,124
21st - 30th	1,200	1,268	1,353	1,446	1,483	1,528	1,583
31st - 40th	1,547	1,633	1,747	1,857	1,892	1,958	2,033
41st - 50th	1,917	2,033	2,155	2,274	2,339	2,434	2,522
51st - 60th	2,355	2,483	2,627	2,780	2,864	2,994	3,082
61st - 70th	2,893	3,039	3,217	3,409	3,521	3,670	3,804
71st - 80th	3,658	3,837	4,060	4,276	4,438	4,629	4,833
81st - 90th	5,004	5,192	5,524	5,804	5,958	6,279	6,559
91st - 100th	11,552	11,198	12,032	12,816	12,773	13,215	13,581

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 (11.3%), employed a maid (11.8%), lived in private property (7.0%) or were headed by persons aged 60 years and over (44.8%) in 2018.
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 the 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 the comparison may not pertain to the same group of households.

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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]

	2012	2013	2014	2015	2016	2017	2018
P90/P10 Ratio of Household Income from Work Per Household Member [3]	9.14	9.00	8.92	8.65	8.67	8.97	9.14
P90/P10 Ratio of Household Income from Work Per Household Member After Accounting for Government Transfers and Taxes [4]	6.37	5.90	5.97	5.78	5.71	5.82	6.01

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 2018 are preliminary.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createSpecialTable.action?refId=15772

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

	2012	2013	2014	2015	2016	2017	2018
	Household Income from Work						
Based on Per Household Member [3]	0.478	0.463	0.464	0.463	0.458	0.459	0.458
Based on Modified OECD Scale [4]	0.457	0.442	0.444	0.440	0.435	0.437	0.435
Based on Square Root Scale [5]	0.435	0.421	0.425	0.415	0.410	0.417	0.412
	Household Income from Work After Accounting for Government Transfers and Taxes						
Based on Per Household Member [3]	0.432	0.409	0.411	0.409	0.401	0.402	0.404
Based on Modified OECD Scale [4]	0.410	0.388	0.392	0.386	0.379	0.381	0.381
Based on Square Root Scale [5]	0.383	0.363	0.369	0.357	0.350	0.357	0.354

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 2018 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 and international organisations.

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 2015 report "Income Inequality: The Gap between Rich and Poor".
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 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, 2018

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 2018** **2.1%**

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

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

Average Monthly Recruitment Rate during a quarter: Refers to the average number of persons recruited in a month during the quarter divided by the average number of employees in the establishment. The annual figures are the simple averages of the quarterly figures.

Average Monthly Resignation Rate during a quarter: Refers to the average number of persons who resigned in a month during the quarter divided by the average number of employees in the establishment. The annual figures are the simple averages of the quarterly figures.

Hours Worked

Statistics on weekly hours worked are compiled from the Labour Market Survey conducted by MOM. Prior to 2006, the survey covered private establishments with at least 25 employees. From 2006 onwards, the survey also includes the public sector comprising government ministries, organs of state and statutory boards.

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

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. With the roll-out of the Skills Frameworks in 2016, the WSQ also adopts the skills and competencies covered in the Skills Frameworks. 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 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.

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

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	2012	2013	2014	2015	2016	2017	2018
Labour Force								
Total	'000	3,361.8	3,443.7	3,530.8	3,610.6	3,672.8	3,657.0	3,675.6
Residents	'000	2,119.6	2,138.8	2,185.2	2,232.3	2,257.6	2,269.7	2,292.7
Employed								
Total	'000	3,274.7	3,352.9	3,440.2	3,516.0	3,570.0	3,550.1	3,575.3
Residents	'000	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3	2,175.3	2,203.7
Unemployed								
Total	'000	87.1	90.7	90.7	94.6	102.8	106.9	100.2
Residents	'000	79.0	82.6	81.8	84.5	92.3	94.4	89.0
Unemployment Rate (Seasonally Adjusted)								
Total	%	1.9	2.0	1.9	2.0	2.1	2.2	2.1
Residents	%	2.8	2.9	2.8	2.8	3.0	3.1	2.9
Resident Labour Force Participation Rate	%	66.6	66.7	67.0	68.3	68.0	67.7	67.7
Male	%	76.0	75.8	75.9	76.7	76.2	76.0	75.6
Female	%	57.7	58.1	58.6	60.4	60.4	59.8	60.2

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14821
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12371
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14825
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12374

4.2 AGE-SPECIFIC RESIDENT LABOUR FORCE PARTICIPATION RATES

Per Cent

Age Group (Years)	2012	2013	2014	2015	2016	2017	2018
Total	66.6	66.7	67.0	68.3	68.0	67.7	67.7
15 - 19	12.4	11.8	12.3	15.8	15.3	14.2	15.2
20 - 24	63.6	61.7	61.8	65.3	62.3	62.2	61.3
25 - 29	88.3	88.5	89.0	90.3	90.3	90.2	90.0
30 - 34	89.8	90.1	89.9	90.2	90.8	91.8	91.0
35 - 39	88.0	88.0	88.8	89.1	89.7	89.8	89.0
40 - 44	85.4	85.7	87.1	87.6	88.2	87.7	88.8
45 - 49	84.4	84.5	84.7	85.9	86.3	86.8	86.5
50 - 54	79.5	80.0	81.8	82.4	81.4	82.8	82.0
55 - 59	72.4	73.2	74.3	75.5	75.8	74.9	75.1
60 - 64	58.1	59.7	61.2	62.4	62.8	63.6	62.2
65 - 69	38.6	40.2	41.2	42.2	43.2	43.4	45.3
70 - 74	21.9	24.2	25.7	24.9	26.8	28.0	28.3
75 & Over	6.7	7.6	8.4	8.8	8.4	9.1	9.4

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

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

Download time series at 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)	2012	2013	2014	2015	2016	2017	2018
Total	76.0	75.8	75.9	76.7	76.2	76.0	75.6
15 - 19	13.8	13.2	14.9	18.3	18.0	18.0	18.4
20 - 24	64.5	63.2	63.6	64.4	62.6	62.7	60.3
25 - 29	89.9	89.0	89.4	90.9	90.0	90.7	90.7
30 - 34	97.2	97.2	97.5	97.4	97.0	97.4	97.8
35 - 39	98.2	97.5	97.2	97.5	97.8	97.6	97.2
40 - 44	97.1	97.1	96.8	97.1	97.2	97.0	97.2
45 - 49	95.6	96.1	96.4	96.9	96.3	96.6	95.4
50 - 54	93.8	94.0	93.8	94.2	92.9	94.4	92.8
55 - 59	88.5	87.6	87.5	88.2	88.7	88.0	88.0
60 - 64	74.6	75.0	77.0	77.2	76.9	77.8	75.7
65 - 69	52.6	53.4	54.1	54.5	55.7	54.8	57.3
70 - 74	32.1	35.8	37.3	34.5	35.4	39.3	37.3
75 & Over	11.5	12.5	13.6	13.8	13.4	14.9	14.4

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

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

Download time series at 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)	2012	2013	2014	2015	2016	2017	2018
Total	57.7	58.1	58.6	60.4	60.4	59.8	60.2
15 - 19	10.9	10.2	9.6	13.1	12.4	10.2	11.6
20 - 24	62.6	59.9	59.8	66.3	62.0	61.6	62.4
25 - 29	86.8	88.0	88.6	89.7	90.6	89.6	89.4
30 - 34	83.3	83.7	83.3	83.9	85.3	86.9	84.9
35 - 39	78.9	79.4	80.9	81.7	82.3	82.9	81.8
40 - 44	74.8	75.4	78.1	78.9	80.2	78.9	81.0
45 - 49	73.4	73.1	73.7	75.5	77.2	77.7	78.1
50 - 54	65.6	66.5	70.4	70.6	70.3	71.2	71.5
55 - 59	56.2	59.1	61.4	62.8	63.1	61.8	62.1
60 - 64	41.7	44.2	45.5	47.7	48.8	49.9	49.4
65 - 69	26.3	27.9	29.5	31.1	31.4	32.9	33.7
70 - 74	13.4	14.1	15.6	16.5	19.3	18.1	20.3
75 & Over	3.4	4.2	4.7	5.5	5.1	5.0	6.1

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12374

4.5 EMPLOYED RESIDENTS AGED 15 YEARS AND OVER BY OCCUPATION

Thousand

Occupation	2012	2013	2014	2015	2016	2017	2018
Total	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3	2,175.3	2,203.7
Legislators, Senior Officials & Managers	346.3	349.6	342.3	345.3	324.8	333.4	322.8
Professionals	367.3	366.9	373.5	392.9	412.9	435.7	449.7
Associate Professionals and Technicians	352.8	373.6	408.9	428.8	455.2	451.0	481.5
Clerical Support Workers	262.2	268.0	265.3	264.5	241.1	244.2	237.7
Service and Sales Workers	257.7	249.4	248.3	255.9	267.8	252.1	266.1
Craftsmen and Related Trades Workers	90.6	82.2	82.2	83.9	79.2	76.0	70.0
Plant and Machine Operators and Assemblers	149.8	147.7	146.4	146.2	152.1	153.6	149.7
Cleaners, Labourers and Related Workers	145.3	150.2	166.0	160.3	160.7	160.5	156.4
Others[1]	68.6	68.7	70.8	70.0	71.6	68.9	69.8

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12385

4.6 EMPLOYED RESIDENTS AGED 15 YEARS AND OVER BY INDUSTRY

Thousand

Industry	2012	2013	2014	2015	2016	2017	2018
Total	2,040.6	2,056.1	2,103.5	2,147.8	2,165.3	2,175.3	2,203.7
Manufacturing	288.2	280.0	249.3	238.7	227.5	223.6	228.2
Construction	104.5	101.9	98.2	110.4	100.9	100.6	104.0
Services	1,621.4	1,647.5	1,731.2	1,775.4	1,816.8	1,829.4	1,849.9
Wholesale & Retail Trade	306.3	302.2	346.3	364.1	364.1	356.2	352.5
Transportation and Storage	189.5	192.6	188.9	187.6	188.4	195.9	199.0
Accommodation and Food Services Activities	129.3	135.1	137.1	139.1	138.2	134.4	134.4
Information & Communications	85.8	92.1	87.8	83.5	84.6	88.7	92.1
Financial and Insurance Activities	150.6	147.8	165.6	167.3	190.7	189.6	196.0
Business Services [1]	289.7	291.6	311.3	333.4	334.7	345.6	348.3
Community, Social & Personal Services	470.1	486.1	494.3	500.5	516.1	519.1	527.6
Others [2]	26.5	26.8	24.8	23.3	20.2	21.7	21.6

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

Notes : Data are for mid-year.
Residents comprise Singapore citizens and permanent residents.
Data 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12385

4.7 GOVERNMENT EMPLOYEES IN THE PUBLIC SERVICE

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Total	136,027	138,720	140,865	143,183	144,980	145,218	145,622
Ministries and Organs of State	80,210	81,508	82,291	83,713	84,393	84,626	84,953
Statutory Boards	55,817	57,212	58,574	59,470	60,587	60,592	60,669

Source : Public Service Division, Prime Minister's Office

Notes : Data exclude Daily-Rated Employees.

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
Total	80,210	81,508	82,291	83,713	84,393	84,626	84,953
Males	34,584	35,162	35,659	36,653	37,087	37,138	37,364
Females	45,626	46,346	46,632	47,060	47,306	47,488	47,589
Senior Executive & above	44,720	46,656	48,747	55,020	56,072	56,691	62,114
Males	16,432	17,072	17,790	19,492	20,102	20,383	24,623
Females	28,288	29,584	30,957	35,528	35,970	36,308	37,491
Junior Executive	35,490	34,852	33,544	28,693	28,321	27,935	22,839
Males	18,152	18,090	17,869	17,161	16,985	16,755	12,741
Females	17,338	16,762	15,675	11,532	11,336	11,180	10,098

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14356

4.9 GOVERNMENT EMPLOYEES IN THE STATUTORY BOARDS BY SEX

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Total	55,817	57,212	58,574	59,470	60,587	60,592	60,669
Males	27,480	28,304	28,952	29,429	30,117	30,191	30,292
Females	28,337	28,908	29,622	30,041	30,470	30,401	30,377
Senior Executive & above	37,043	38,634	40,699	42,098	42,483	44,305	45,040
Males	19,293	20,027	21,093	21,693	21,786	22,830	23,196
Females	17,750	18,607	19,606	20,405	20,697	21,475	21,844
Junior Executive	18,774	18,578	17,875	17,372	18,104	16,287	15,629
Males	8,187	8,277	7,859	7,736	8,331	7,361	7,096
Females	10,587	10,301	10,016	9,636	9,773	8,926	8,533

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 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)	2012	2013	2014	2015	2016	2017	2018
Total	3,418.6	3,507.6	3,593.3	3,685.9	3,761.5	3,835.2	3,907.7
Up to 20	112.8	117.6	123.1	126.2	119.7	114.9	113.7
> 20 - 25	236.6	234.4	241.0	248.0	249.2	248.0	242.4
> 25 - 30	252.6	260.9	266.5	273.9	285.0	292.1	288.6
> 30 - 35	303.7	302.6	299.8	298.8	291.1	287.1	298.1
> 35 - 40	326.8	320.3	318.5	320.6	318.5	321.0	320.2
> 40 - 45	346.6	346.7	347.0	342.6	341.3	333.8	327.7
> 45 - 50	407.3	392.0	373.5	360.4	351.2	348.2	347.8
> 50 - 55	390.5	396.9	399.8	398.1	393.5	383.8	371.0
> 55 - 60	328.9	339.4	348.4	357.6	364.1	369.7	375.5
Over 60	689.2	734.9	779.0	825.7	875.6	927.6	978.5
Not specified	23.7	62.2	96.7	133.9	172.3	209.0	244.3

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 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)	2012	2013	2014	2015	2016	2017	2018
Total	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3	1,990.4	2,014.4
Up to 20	45.7	49.3	56.8	49.7	45.0	43.2	43.5
> 20 - 25	122.4	122.1	129.4	120.1	115.7	112.2	107.4
> 25 - 30	199.8	208.2	217.6	221.0	228.4	232.0	228.1
> 30 - 35	232.2	233.9	235.7	233.5	226.9	223.9	233.4
> 35 - 40	233.2	232.4	236.6	237.5	235.8	237.9	238.6
> 40 - 45	220.9	228.7	237.4	236.7	237.2	233.4	231.0
> 45 - 50	212.6	214.6	217.2	215.4	216.4	220.1	225.4
> 50 - 55	194.4	201.1	209.9	210.6	211.2	208.8	207.4
> 55 - 60	153.9	165.3	178.3	182.9	185.4	187.1	189.3
Over 60	173.5	198.6	232.1	251.8	272.2	291.8	310.4
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 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	2012	2013	2014	2015	2016	2017	2018
Total	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3	1,990.4	2,014.4
Manufacturing	254.6	253.1	252.7	246.8	244.5	239.8	238.5
Construction	105.4	110.2	113.3	113.2	111.8	105.6	103.8
Services							
Wholesale & Retail Trade	273.9	286.0	305.0	298.1	293.0	295.8	295.8
Transport & Storage	114.7	119.1	123.4	124.3	126.1	129.0	131.6
Accommodation & Food Service Activities	108.9	116.9	125.9	129.3	133.0	134.5	137.2
Information & Communications	66.5	69.2	74.0	75.0	78.5	82.1	85.2
Financial & Insurance Activities	142.7	147.6	156.3	159.5	160.3	162.7	167.5
Real Estate Activities	45.8	46.8	53.9	49.7	48.8	48.3	48.2
Professional, Scientific & Technical Activities	137.0	146.0	159.6	162.4	163.7	164.9	169.1
Administrative & Support Service Activities	160.5	166.1	173.5	177.8	179.7	185.3	188.3
Other Service Activities	363.4	377.2	397.2	407.2	417.6	424.9	431.8
Others [2]	15.5	16.2	16.3	16.0	17.3	17.5	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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14515

4.13 EMPLOYMENT SERVICES

Number

	2014	2015	2016	2017	2018
New Registrants [1]	34,709	30,223	23,770	25,322	28,804
Males	16,201	16,070	12,857	13,294	15,710
Females	18,508	14,153	10,913	12,028	13,094
Placements [2]	14,814	13,278	14,428	15,380	19,214
Males	8,067	7,437	8,022	8,331	10,827
Females	6,747	5,841	6,406	7,049	8,387

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 Career Matching Service (CMS) physical touch points and National Trades Union Congress (NTUC)'s Employment and Employability Institute (e2i) centres.

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

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15264

4.14 CHANGES IN VALUE ADDED PER WORKER BY INDUSTRY

Per Cent

Industry	2012	2013	2014	2015	2016	2017	2018
Total [1]	0.5	0.7	0.1	0.7	1.9	3.9	2.4
Total (excluding Construction) [1]	0.8	1.6	0.2	0.5	2.1	3.5	1.9
Goods Producing Industries [2]	-2.2	-3.2	1.2	-2.1	4.0	10.8	7.9
Manufacturing	-1.1	0.1	2.6	-2.7	7.0	13.8	8.3
Construction	2.1	-6.5	3.0	4.2	-1.5	-5.2	0.7
Services Producing Industries [2]	1.6	3.1	0.0	0.8	0.2	1.2	0.9
Wholesale & Retail Trade	3.6	3.6	0.9	2.0	0.2	1.7	1.5
Transportation & Storage	1.4	-1.1	-1.4	0.0	0.0	2.5	-2.0
Accommodation & Food Services	0.3	-0.8	-2.0	-2.6	0.9	0.0	2.0
Information & Communications	3.0	2.5	1.3	-5.5	1.8	3.0	0.7
Finance & Insurance	1.2	12.7	3.9	0.3	-2.5	2.9	3.4
Business Services	-0.2	0.9	-3.1	4.2	2.4	-0.8	0.5
Other Services Industries	-0.4	-0.9	-0.8	-1.3	0.5	0.4	-0.5

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 in Chained (2015) Dollars.
2 Based on Gross Value Added at in Chained (2015) Dollars.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16039

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

	2012	2013	2014	2015	2016	2017	2018
Percentage Change in Real GDP	4.4	4.7	3.8	2.9	2.9	3.6	3.1
Percentage Contribution to Growth in Real GDP of :							
Capital Input	3.2	3.2	3.2	2.8	2.5	2.6	2.1
Labour Input	1.6	1.7	1.7	1.0	0.5	-0.1	0.3
Multifactor Productivity Growth	-0.5	-0.3	-1.0	-0.9	-0.1	1.1	0.7

1 All growth rates are expressed in log terms.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16091

4.16 INDICES OF UNIT LABOUR COST BY INDUSTRY

(2015 = 100)

	2012	2013	2014	2015	2016	2017	2018
Unit Labour Cost Index of Overall Economy	93.3	94.5	97.4	100.0	101.5	101.5	101.9
Goods Producing Industries	85.8	91.1	94.7	100.0	98.1	91.7	88.0
Manufacturing	88.6	91.2	94.1	100.0	95.5	87.1	83.8
Construction	86.5	97.1	99.6	100.0	104.5	112.0	112.4
Utilities	81.7	90.2	95.5	100.0	101.0	104.6	108.7
Other Goods Industries [1]	98.8	95.2	96.6	100.0	104.5	123.2	129.6
Services Producing Industries	96.2	95.7	98.4	100.0	102.6	104.8	106.7
Wholesale & Retail Trade	98.1	96.5	97.9	100.0	104.8	106.0	108.8
Transportation & Storage	90.3	92.4	97.8	100.0	104.9	104.3	107.5
Accommodation & Food Services	89.9	92.7	96.2	100.0	102.5	102.7	101.5
Information & Communications	92.7	90.8	93.9	100.0	101.8	103.5	106.5
Finance & Insurance	112.2	100.8	101.0	100.0	99.8	103.6	103.5
Business Services	96.2	97.7	101.2	100.0	100.8	103.1	104.9
Other Services Industries	87.4	92.5	95.9	100.0	102.7	105.1	107.6

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

1 Comprises agriculture, fishing and quarrying.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16082

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

Dollars

	2012	2013	2014	2015	2016	2017	2018
Median (50th Percentile)	3,480	3,705	3,770	3,949	4,056	4,232	4,437
20th Percentile	1,740	1,885	1,972	2,012	2,106	2,200	2,340

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

Notes : Data are for mid-year. As data are captured from a sample survey, year-on-year income changes are prone to fluctuations and hence should always be interpreted with caution. Income growth studied over longer periods (e.g. 5 or 10 years) smooths out these fluctuations and hence provides a more direct indication of income growth.
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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14603

4.18 AVERAGE WEEKLY PAID HOURS WORKED PER EMPLOYEE BY INDUSTRY

Hours

Industry	2012	2013	2014	2015	2016	2017	2018
Total	46.2	46.2	46.0	45.6	45.5	45.1	44.8
Manufacturing	50.2	50.1	49.7	49.3	48.9	48.5	48.3
Construction	53.0	53.2	52.9	52.1	52.0	50.8	50.4
Services	43.5	43.4	43.2	43.1	43.2	43.1	42.9
Wholesale & Retail Trade	43.6	43.2	43.1	43.0	42.7	42.8	42.9
Transportation & Storage	46.1	45.7	45.8	45.7	45.9	45.5	45.6
Accommodation & Food Services	42.1	43.0	42.0	41.5	42.0	42.2	41.5
Information & Communications	41.5	41.7	41.5	41.5	41.4	41.5	41.7
Financial & Insurance Services	41.2	41.2	41.1	41.1	41.1	41.1	41.1
Real Estate Services	44.5	44.6	44.5	44.8	45.0	44.6	44.0
Professional Services	43.6	43.6	43.1	42.9	43.3	43.1	43.0
Administrative & Support Services	48.5	47.5	47.3	46.4	46.6	46.7	46.0
Community, Social & Personal Services	42.1	42.1	42.0	42.1	42.1	41.9	41.8
Others [1]	45.7	45.7	45.6	45.6	45.7	45.4	45.4

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

Notes : Data pertain to private sector establishments (with at least 25 employees each) 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14598

4.19 AVERAGE MONTHLY RECRUITMENT RATE BY INDUSTRY AND OCCUPATIONAL GROUP

Per Cent

	2012	2013	2014	2015	2016	2017	2018
Total	2.8	2.7	2.6	2.4	2.2	2.1	2.3
Industry							
Manufacturing	1.9	1.9	1.8	1.6	1.6	1.8	1.9
Construction	3.4	3.3	2.6	2.5	2.1	1.7	2.0
Services	2.9	2.8	2.8	2.6	2.4	2.3	2.4
Wholesale & Retail Trade	3.4	3.5	3.1	2.7	2.5	2.4	2.4
Transportation & Storage	2.3	2.3	2.1	2.0	1.8	1.7	1.8
Accommodation & Food Services	4.6	4.6	4.7	4.5	3.9	3.7	3.7
Information & Communications	2.8	2.7	3.0	2.6	2.2	2.0	2.3
Financial & Insurance Services	1.9	2.1	2.2	2.0	1.9	1.8	2.1
Real Estate Services	4.1	3.6	3.8	3.5	3.5	3.4	3.3
Professional Services	2.9	2.5	2.3	2.2	2.3	2.0	2.5
Administrative & Support Services	4.6	4.8	5.2	4.7	4.4	4.6	4.5
Community, Social & Personal Services	1.8	1.6	1.6	1.6	1.4	1.3	1.5
Others [1]	2.4	2.2	2.1	1.6	1.3	1.4	1.8
Occupational Group							
Professionals, Managers, Executives & Technicians	1.9	1.9	1.9	1.8	1.6	1.5	1.7
Clerical, Sales & Service Workers	3.7	3.8	3.8	3.5	3.1	3.1	3.2
Production & Transport Operators, Cleaners & Labourers	3.1	3.1	2.9	2.6	2.5	2.4	2.5

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

Notes : Data pertain to private sector establishments (with at least 25 employees each) 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15682

4.20 AVERAGE MONTHLY RESIGNATION RATE BY INDUSTRY AND OCCUPATIONAL GROUP

Per Cent

	2012	2013	2014	2015	2016	2017	2018
Total	2.1	2.0	2.0	1.9	1.8	1.8	1.8
Industry							
Manufacturing	1.6	1.5	1.5	1.5	1.5	1.5	1.6
Construction	1.8	2.0	1.9	1.8	1.7	1.8	1.8
Services	2.3	2.2	2.2	2.0	1.9	1.9	1.9
Wholesale & Retail Trade	2.9	2.9	2.6	2.2	2.2	2.0	2.0
Transportation & Storage	1.6	1.7	1.7	1.5	1.4	1.3	1.3
Accommodation & Food Services	4.3	4.1	4.3	4.0	3.6	3.6	3.3
Information & Communications	2.0	2.0	1.8	1.8	1.7	1.6	1.6
Financial & Insurance Services	1.2	1.4	1.4	1.3	1.2	1.3	1.4
Real Estate Services	3.3	3.0	3.4	3.1	2.9	2.7	2.5
Professional Services	1.8	1.8	1.8	1.8	1.6	1.5	1.6
Administrative & Support Services	4.1	3.8	4.0	3.4	3.5	3.6	3.4
Community, Social & Personal Services	1.2	1.1	1.1	1.1	1.0	1.0	1.1
Others [1]	1.7	1.5	1.5	1.4	1.2	1.4	1.4
Occupational Group							
Professionals, Managers, Executives & Technicians	1.3	1.3	1.3	1.3	1.2	1.2	1.3
Clerical, Sales & Service Workers	3.1	3.1	3.1	2.8	2.7	2.6	2.5
Production & Transport Operators, Cleaners & Labourers	2.2	2.2	2.3	2.1	2.1	2.2	2.2

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

Notes : Data pertain to private sector establishments (with at least 25 employees each) 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15684

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

Number

	2012	2013	2014	2015	2016	2017	2018
Total	198,322	231,009	267,423	267,655	289,699	310,491	327,996
Age Group							
Below 20	11,575	13,641	14,221	16,016	13,515	18,597	21,607
20 - 29	40,260	45,947	52,170	54,876	56,649	65,219	61,703
30 - 39	46,722	52,223	56,622	56,326	57,849	56,487	56,205
40 - 49	43,950	50,793	56,065	53,375	58,179	58,635	60,570
50 - 59	37,916	45,233	54,096	50,673	56,543	58,822	63,575
60 - 69	14,812	18,990	27,614	29,108	36,787	40,638	47,828
70 & Over	3,087	4,182	6,635	7,281	10,177	12,093	16,508
Highest Qualification Attained [1]							
Below Primary	5,531	8,863	12,074	16,136	16,454	16,993	21,309
Primary	28,516	26,391	33,538	25,031	25,732	24,546	24,872
Lower Secondary	22,120	26,606	30,313	27,975	31,491	34,274	36,776
Secondary	55,977	60,134	64,020	60,786	64,041	67,141	70,332
Post-Secondary	17,318	20,601	21,856	25,276	27,755	32,080	29,183
Professional Qualification and Other Diploma	9,620	10,744	14,030	11,839	14,634	15,057	14,963
Polytechnic Diploma	19,790	24,144	26,612	31,610	32,133	41,764	42,125
Degree and Above	27,144	34,032	45,011	48,395	56,295	57,893	59,478
Others / Not Reported	12,306	19,494	19,969	20,607	21,164	20,743	28,958
Sex							
Female	101,438	109,391	120,818	122,291	133,816	134,715	142,266
Male	95,154	119,170	144,166	143,142	153,730	173,394	183,670
Not Reported	1,730	2,448	2,439	2,222	2,153	2,382	2,060

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. With the roll-out of the Skills Frameworks in 2016, the WSQ adopted the skills and competencies covered in the Skills Frameworks.

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 2015.

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

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

Number

	2012	2013	2014	2015	2016	2017	2018
Number of WSQ trainees	198,322	231,009	267,423	267,655	289,699	310,491	327,996
Level of WSQ Statement of Attainment							
Certificate	155,148	164,867	188,700	190,680	203,627	220,810	226,721
Higher Certificate	7,294	11,146	10,728	13,457	15,743	17,478	26,856
Advanced Certificate	31,628	45,699	55,944	50,727	60,041	61,907	71,782
Diploma	19,771	32,873	36,117	35,887	41,918	46,436	52,796
Specialist Diploma	5,760	7,604	8,790	7,902	9,514	10,986	14,664
Graduate Certificate	751	784	756	483	580	488	594
Graduate Diploma	393	550	738	847	980	1,007	653

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.

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Data are based on calendar year and 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.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14580

4.23 TRADE UNIONS AND MEMBERSHIP

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Employee Class							
Unions	66	64	65	64	63	61	63
Members	613,418	655,126	686,676	718,723	740,750	755,217	763,677
Employer Class							
Unions	3	3	3	3	3	3	3
Members	2,288	3,074	3,312	3,365	3,489	3,570	3,486

Source : Ministry of Manpower

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

4.24 LABOUR RELATIONS

Number

	2012	2013	2014	2015	2016	2017	2018
Trade Disputes[1]	164	136	106	119	112	110	105
Wage Increase and Conditions of Service	92	83	66	72	62	44	64
Retrenchment Benefits	11	18	15	18	27	28	16
Bonus or Gratuity	19	10	5	11	6	5	11
Other Industrial Matters [2]	42	25	20	18	17	33	14
Cases Referred to IAC [3,4]	7	4	8	0	2	1	1
IAC Awards[4]	4	2	1	0	0	1	0
Industrial Stoppages[5]	1	0	0	0	0	0	0

Source : Ministry of Manpower (MOM)

1 From 2018, data exclude disputes involving individual union members.
2 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.
3 IAC refers to the Industrial Arbitration Court.
4 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.
5 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14617

5

National Accounts

5 National Accounts

National Income Estimates

Singapore adopts the output, expenditure and income approaches for compiling the national income aggregates. 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) 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, government consumption expenditure, gross capital formation and net exports of goods and services.

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.

Real GDP: GDP adjusted for price changes to reflect the real value of output or expenditure over time. Real GDP is compiled in chained (2015) dollars.

GDP Deflators: A broad measure of the change in the overall level of prices of the goods and services that make up GDP. The deflators are derived as the ratio of the current price value of a component of GDP to its corresponding real value, with the index at reference year 2015 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".

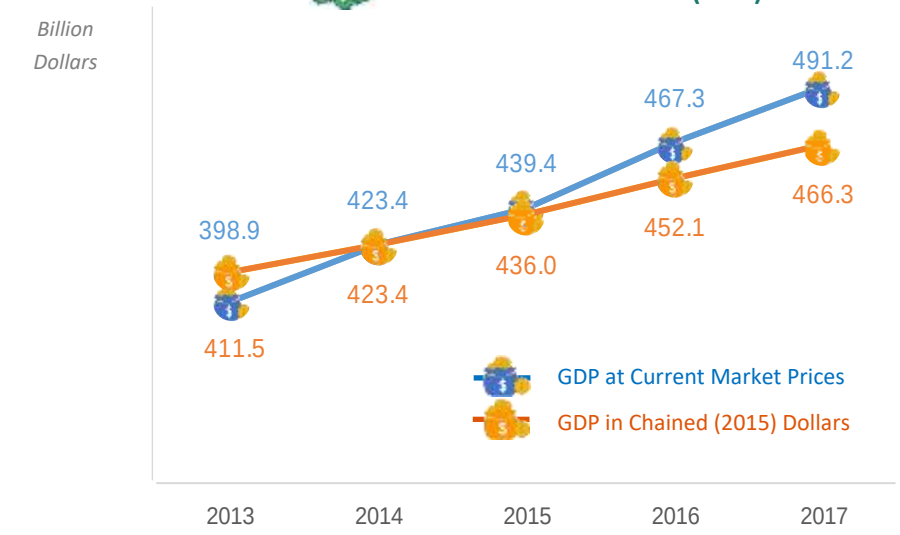
The adoption of the United Nations System of National Accounts (SNA) recommendation to compile annually reweighted chain volume measures (CVM) of GDP is explained in the information paper "Benchmarking of Singapore's National Accounts to Reference Year 2015".

View video on 'Introduction to Chain-Linking of Real Gross Domestic Product':

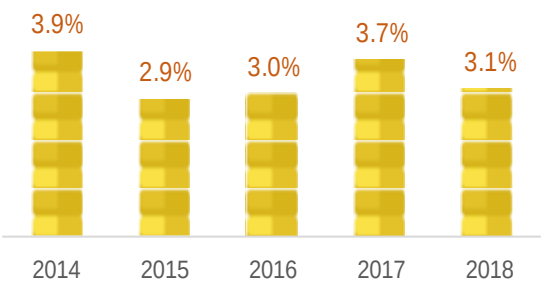
Analyses on Singapore's national income may be found in the "Economic Survey of Singapore", published by the Ministry of Trade and Industry.

Key Indicators

Gross Domestic Product (GDP)



Percentage Change in Real GDP



5.1 OUTPUT, SAVING AND INVESTMENT

(At Current Prices)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Gross National Income							
Gross National Income	352,372.1	364,140.4	385,070.0	394,551.3	408,820.3	434,805.5	457,982.8
Gross Domestic Product	368,770.5	384,870.3	398,947.9	423,444.1	439,411.6	467,305.5	491,174.5
Net Income from Abroad	-16,398.4	-20,729.9	-13,877.9	-28,892.8	-30,591.3	-32,500.0	-33,191.7
Generation of Gross National Saving							
Gross National Saving	172,976.3	175,834.5	189,022.4	180,254.1	194,330.0	208,116.3	218,474.6
Gross Domestic Saving	197,252.4	204,340.4	210,922.8	222,947.7	234,459.2	248,474.9	261,171.9
Gross Domestic Product	368,770.5	384,870.3	398,947.9	423,444.1	439,411.6	467,305.5	491,174.5
Less : Private & Government Consumption Expenditure	170,239.0	181,188.0	188,365.0	200,496.4	205,469.9	215,188.5	223,379.8
Statistical Discrepancy	-1,279.1	658.1	339.9	0.0	517.5	-3,642.1	-6,622.8
Net Income from Abroad	-16,398.4	-20,729.9	-13,877.9	-28,892.8	-30,591.3	-32,500.0	-33,191.7
Net Current Transfers from Abroad	-7,877.7	-7,776.0	-8,022.5	-13,800.8	-9,537.9	-7,858.6	-9,505.6
Finance of Gross Capital Formation							
Gross Capital Formation	107,913.1	115,382.2	117,410.4	107,356.7	117,433.3	131,606.2	130,702.6
Gross National Saving	172,976.3	175,834.5	189,022.4	180,254.1	194,330.0	208,116.3	218,474.6
Net Borrowing from/Lending (-) to Abroad & Net Capital Transfers from Abroad	-65,063.2	-60,452.3	-71,612.0	-72,897.4	-76,896.7	-76,510.0	-87,772.0

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5.2 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	2012	2013	2014	2015	2016	2017	2018
	At Current Prices						
GDP at Current Market Prices	368,770.5	384,870.3	398,947.9	423,444.1	439,411.6	467,305.5	491,174.5
Goods Producing Industries	92,399.6	90,366.2	96,561.8	102,986.0	102,846.1	110,401.5	123,907.9
Manufacturing	70,497.2	67,885.0	71,809.7	76,598.2	77,399.3	88,184.9	102,251.6
Construction	16,425.0	17,127.3	19,183.8	20,433.8	19,707.5	16,668.8	15,962.9
Utilities	5,354.5	5,221.4	5,430.3	5,815.9	5,603.4	5,425.8	5,571.3
Other Goods Industries [1]	122.9	132.5	138.0	138.1	135.9	122.0	122.1
Services Producing Industries	239,469.3	255,082.3	262,839.8	278,101.3	292,459.1	310,637.1	323,589.8
Wholesale & Retail Trade	67,637.6	68,495.3	64,724.5	65,584.5	73,937.0	79,782.6	81,774.5
Transportation & Storage	23,702.9	24,756.6	27,092.7	30,014.6	27,680.0	31,113.3	31,360.1
Accommodation & Food Services	7,847.4	8,208.9	8,665.3	8,763.0	9,224.7	9,358.8	9,735.3
Information & Communications	13,695.4	14,774.3	15,798.6	15,779.4	17,084.4	18,109.1	19,061.3
Finance & Insurance	37,722.1	42,892.6	45,968.7	49,874.5	51,127.2	55,802.4	60,222.3
Business Services	51,304.5	55,661.5	57,934.4	63,122.4	65,632.7	66,010.7	69,045.7
Other Services Industries	37,559.4	40,293.2	42,655.3	44,963.1	47,773.1	50,460.2	52,390.5
Ownership of Dwellings	15,749.3	17,251.0	17,797.2	18,100.1	17,589.4	17,436.3	17,172.4
Gross Value Added at Basic Prices	347,618.2	362,699.5	377,198.8	399,187.4	412,894.6	438,474.9	464,670.1
Add : Taxes on Products	21,152.3	22,170.8	21,749.1	24,256.7	26,517.0	28,830.6	26,504.4
	In Chained (2015) Dollars						
GDP in Chained (2015) Dollars	377,894.7	396,090.5	411,540.3	423,444.1	435,987.9	452,118.5	466,312.6
Goods Producing Industries	99,894.7	101,758.7	105,644.5	102,986.0	105,714.2	111,638.4	117,243.7
Manufacturing	77,335.8	78,628.4	80,737.9	76,598.2	79,432.7	87,698.7	93,862.6
Construction	17,292.4	17,727.6	19,280.0	20,433.8	20,226.2	17,897.7	17,241.3
Utilities	5,441.8	5,572.1	5,705.8	5,815.9	5,917.8	5,910.7	5,865.0
Other Goods Industries [1]	129.9	134.4	138.8	138.1	137.4	121.9	120.2
Services Producing Industries	239,864.4	256,254.1	267,190.8	278,101.3	283,938.0	291,861.7	300,259.8
Wholesale & Retail Trade	57,805.9	61,331.3	63,588.8	65,584.5	65,504.3	66,170.9	67,313.7
Transportation & Storage	27,892.6	28,766.7	29,300.2	30,014.6	30,528.1	31,861.7	32,267.4
Accommodation & Food Services	8,274.6	8,565.7	8,756.2	8,763.0	9,039.3	9,207.5	9,468.2
Information & Communications	13,782.9	14,783.4	15,844.5	15,779.4	16,505.7	17,364.2	18,308.3
Finance & Insurance	37,110.8	43,656.9	47,653.8	49,874.5	50,106.2	53,363.5	56,467.4
Business Services	53,855.4	56,775.0	58,279.6	63,122.4	65,587.8	66,092.1	67,936.4
Other Services Industries	41,587.0	42,460.4	43,790.1	44,963.1	46,666.6	47,947.8	48,733.5
Ownership of Dwellings	16,109.9	16,662.8	17,304.7	18,100.1	18,944.6	19,805.7	20,754.5
Gross Value Added at Basic Prices	355,245.7	374,281.6	389,762.7	399,187.4	408,596.9	423,168.1	437,950.0
Add : Taxes on Products	22,756.1	21,819.1	21,829.2	24,256.7	27,391.1	28,974.1	28,325.3

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015.
Disaggregated chain-linked data generally do not add up to the total.

1 Comprises Agriculture, Fishing and Quarrying.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16034

5.3 EXPENDITURE ON GROSS DOMESTIC PRODUCT

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
	At Current Prices[1]						
Total	368,770.5	384,870.3	398,947.9	423,444.1	439,411.6	467,305.5	491,174.5
Private Consumption Expenditure	137,573.7	143,685.4	149,942.1	157,343.7	160,034.3	166,460.9	171,646.2
Government Consumption Expenditure	32,665.2	37,502.6	38,422.8	43,152.8	45,435.6	48,727.7	51,733.6
Gross Fixed Capital Formation	97,466.0	106,024.9	112,216.9	115,271.1	115,387.1	122,419.0	118,514.6
Changes in Inventories	10,447.1	9,357.3	5,193.5	-7,914.5	2,046.2	9,187.2	12,188.1
Net Exports of Goods & Services	89,339.3	88,958.2	93,512.4	115,591.0	117,025.9	116,868.6	130,469.3
Exports of Goods & Services	725,443.9	750,796.5	765,794.6	755,359.1	727,469.8	801,059.1	866,327.2
Less : Imports of Goods & Services	636,104.6	661,838.3	672,282.2	639,768.1	610,443.9	684,190.5	735,857.9
Statistical Discrepancy	1,279.1	-658.1	-339.9	0.0	-517.5	3,642.1	6,622.8
	In Chained (2015) Dollars						
Total	377,894.7	396,090.5	411,540.3	423,444.1	435,987.9	452,118.5	466,312.6
Private Consumption Expenditure	140,475.5	144,430.3	149,636.9	157,343.7	161,642.6	167,107.1	171,701.1
Government Consumption Expenditure	35,245.3	39,379.6	39,625.3	43,152.8	44,734.1	46,725.6	48,621.7
Gross Fixed Capital Formation	102,183.8	108,477.2	113,055.2	115,271.1	116,538.3	123,955.0	119,020.5
Changes in Inventories	8,869.8	7,996.6	4,351.9	-7,914.5	1,808.6	8,119.2	10,297.5
Net Exports of Goods & Services	88,942.5	92,296.2	100,764.5	115,591.0	115,381.7	110,431.0	119,528.1
Exports of Goods & Services	654,298.5	694,471.4	719,611.0	755,359.1	755,726.9	799,082.6	840,223.9
Less : Imports of Goods & Services	565,356.0	602,175.2	618,846.5	639,768.1	640,345.2	688,651.6	720,695.8
Statistical Discrepancy	734.7	2,734.3	3,390.8	0.0	-4,117.5	-4,836.0	-3,984.8

Notes: Disaggregated chain-linked data generally do not add up to the total.

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5.4 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
	At Current Prices[1]						
Total	137,573.7	143,685.4	149,942.1	157,343.7	160,034.3	166,460.9	171,646.2
Food & Non-Alcoholic Beverages	9,533.7	10,041.7	10,247.5	10,495.5	10,756.9	11,114.4	11,418.3
Alcoholic Beverages & Tobacco	2,729.4	2,784.5	2,983.1	3,081.2	3,089.3	2,982.2	3,072.4
Clothing & Footwear	4,042.1	4,321.0	4,423.5	4,498.0	4,639.8	4,908.6	5,243.5
Housing & Utilities	24,789.4	26,437.6	27,338.2	27,402.1	26,985.5	26,739.8	27,179.5
Furnishings, Household Equipment & Routine Household Maintenance	7,282.1	7,194.2	7,120.4	7,137.3	7,245.4	7,360.8	7,459.3
Health	8,599.4	9,243.3	9,673.9	10,362.9	11,221.2	11,987.9	12,766.9
Transport	17,799.8	17,120.3	17,988.4	20,822.1	22,962.0	24,205.5	22,925.7
Communication	6,801.9	6,696.7	6,795.1	6,777.2	6,714.7	6,797.7	6,902.2
Recreation & Culture	16,730.9	16,700.6	17,062.7	16,406.2	15,992.7	17,159.0	17,501.9
Education	5,057.4	5,607.5	5,992.5	6,133.7	6,471.0	6,699.7	7,084.5
Food Serving Services	10,261.0	10,872.4	11,538.8	11,827.9	12,389.7	12,664.1	13,031.9
Accommodation Services	3,699.4	3,809.4	4,043.8	4,034.3	4,202.6	4,362.5	4,661.6
Miscellaneous Goods & Services	21,133.8	23,050.3	23,706.7	25,774.9	27,550.8	30,116.6	32,847.4
Add : Residents' Expenditure Abroad	22,728.1	23,999.2	25,436.0	25,569.9	26,120.3	26,967.4	27,228.3
Less : Non-residents' Expenditure Locally	23,614.9	24,193.3	24,408.6	22,979.5	26,307.6	27,605.5	27,677.1
	In Chained (2015) Dollars						
Total	140,475.5	144,430.3	149,636.9	157,343.7	161,642.6	167,107.1	171,701.1
Food & Non-Alcoholic Beverages	10,084.6	10,391.9	10,365.0	10,495.5	10,568.7	10,790.3	10,980.8
Alcoholic Beverages & Tobacco	2,908.9	2,957.1	3,006.0	3,081.2	3,083.4	2,978.7	2,978.0
Clothing & Footwear	4,019.0	4,285.1	4,410.0	4,498.0	4,613.8	4,859.8	5,135.8
Housing & Utilities	24,869.3	25,555.3	26,328.8	27,402.1	28,654.5	29,583.7	30,802.4
Furnishings, Household Equipment & Routine Household Maintenance	7,468.3	7,326.2	7,138.0	7,137.3	7,121.1	7,239.6	7,347.9
Health	9,085.9	9,429.6	9,678.7	10,362.9	11,092.0	11,557.4	12,018.6
Transport	17,662.5	16,637.5	17,580.7	20,822.1	23,791.3	24,882.9	24,843.9
Communication	6,731.6	6,720.7	6,828.7	6,777.2	6,732.5	6,787.2	6,978.0
Recreation & Culture	17,165.9	16,890.7	17,048.6	16,406.2	16,001.4	17,178.5	17,409.2
Education	5,619.2	5,982.0	6,239.7	6,133.7	6,241.5	6,277.3	6,473.9
Food Serving Services	11,025.8	11,444.0	11,804.0	11,827.9	12,156.5	12,244.5	12,420.5
Accommodation Services	3,734.1	3,906.7	4,032.1	4,034.3	4,196.2	4,381.5	4,619.3
Miscellaneous Goods & Services	22,058.7	24,225.1	24,903.2	25,774.9	26,827.3	28,368.0	29,924.9
Add : Residents' Expenditure Abroad	22,257.2	23,392.2	24,751.1	25,569.9	26,774.6	27,411.1	27,054.7
Less : Non-residents' Expenditure Locally	24,172.4	24,591.9	24,394.1	22,979.5	26,212.2	27,432.3	27,335.3

Notes: Disaggregated chain-linked data generally do not add up to the total.

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5.5 GROSS FIXED CAPITAL FORMATION

(At Current Prices)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
				Total			
Total	97,466.0	106,024.9	112,216.9	115,271.1	115,387.1	122,419.0	118,514.6
Construction & Works	50,763.7	56,061.3	57,151.4	57,702.4	55,328.5	47,613.9	45,983.1
Residential Buildings	24,727.8	28,707.8	28,615.2	27,766.5	23,625.3	19,810.9	18,010.2
Non-residential Buildings	18,519.8	19,872.6	19,850.2	19,896.6	20,922.0	18,216.9	18,286.3
Other Construction & Works	7,516.0	7,480.9	8,686.0	10,039.3	10,781.2	9,586.1	9,686.6
Transport Equipment	9,109.8	7,605.5	7,142.0	8,894.7	11,029.9	15,535.3	15,030.2
Machinery & Equipment	22,722.2	21,780.9	21,162.7	21,555.8	22,328.6	21,885.5	22,972.0
Intellectual Property Products	14,870.3	20,577.3	26,760.8	27,118.3	26,700.1	37,384.4	34,529.2
				Public			
Total	16,499.2	16,822.3	19,454.7	21,716.5	23,772.1	22,425.7	20,890.9
Construction & Works	13,790.5	14,228.8	16,440.7	17,692.0	19,180.9	17,569.9	16,349.6
Residential Buildings	4,198.7	4,932.5	5,544.5	5,777.4	4,890.7	3,744.3	3,716.3
Non-residential Buildings	3,615.8	3,566.2	4,371.0	4,389.6	5,825.2	6,181.1	5,085.4
Other Construction & Works	5,976.0	5,730.2	6,525.1	7,524.9	8,464.9	7,644.5	7,547.9
Transport Equipment	88.5	114.4	299.8	454.7	1,015.4	1,209.1	380.3
Machinery & Equipment	1,178.9	969.6	1,084.3	1,719.3	1,637.8	1,557.3	1,965.6
Intellectual Property Products	1,441.3	1,509.4	1,630.0	1,850.5	1,938.0	2,089.3	2,195.4
				Private			
Total	80,966.8	89,202.7	92,762.2	93,554.7	91,615.0	99,993.3	97,623.7
Construction & Works	36,973.2	41,832.4	40,710.8	40,010.4	36,147.7	30,043.9	29,633.5
Residential Buildings	20,529.1	23,775.3	23,070.7	21,989.1	18,734.6	16,066.6	14,293.9
Non-residential Buildings	14,904.1	16,306.4	15,479.2	15,507.0	15,096.8	12,035.8	13,200.9
Other Construction & Works	1,540.0	1,750.7	2,160.9	2,514.4	2,316.3	1,941.5	2,138.7
Transport Equipment	9,021.3	7,491.1	6,842.2	8,440.0	10,014.4	14,326.2	14,650.0
Machinery & Equipment	21,543.3	20,811.3	20,078.4	19,836.5	20,690.8	20,328.2	21,006.4
Intellectual Property Products	13,429.0	19,067.8	25,130.8	25,267.8	24,762.1	35,295.0	32,333.8

(continued on the next page)

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5.5 GROSS FIXED CAPITAL FORMATION *(continued)*

(In Chained (2015) Dollars)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
				Total			
Total	102,183.8	108,477.2	113,055.2	115,271.1	116,538.3	123,955.0	119,020.5
Construction & Works	54,447.6	57,471.0	56,988.1	57,702.4	56,887.1	50,238.3	47,878.2
Residential Buildings	26,394.7	28,874.8	28,330.9	27,766.5	24,150.5	20,294.0	17,847.2
Non-residential Buildings	19,904.9	20,715.2	19,905.8	19,896.6	21,620.2	19,595.3	19,660.4
Other Construction & Works	8,128.1	7,848.4	8,736.2	10,039.3	11,116.4	10,359.1	10,457.6
Transport Equipment	9,481.8	7,925.1	7,340.8	8,894.7	11,085.9	15,538.6	15,083.5
Machinery & Equipment	22,074.4	21,928.6	21,611.5	21,555.8	22,577.7	22,242.3	23,670.6
Intellectual Property Products	15,940.6	21,117.8	27,092.0	27,118.3	25,987.6	35,440.1	32,039.7
				Public			
Total	17,535.6	17,650.5	19,607.9	21,716.5	24,464.9	24,204.4	22,603.6
Construction & Works	14,716.9	14,982.7	16,547.1	17,692.0	19,920.4	19,391.3	18,110.5
Residential Buildings	4,490.0	5,184.7	5,569.2	5,777.4	5,126.4	4,316.6	4,285.8
Non-residential Buildings	3,853.2	3,757.9	4,404.1	4,389.6	6,041.0	6,732.7	5,569.4
Other Construction & Works	6,371.1	6,039.3	6,573.3	7,524.9	8,753.0	8,335.4	8,263.6
Transport Equipment	87.6	115.8	306.2	454.7	1,008.7	1,198.0	400.9
Machinery & Equipment	1,182.9	1,006.8	1,096.1	1,719.3	1,644.0	1,606.2	2,037.2
Intellectual Property Products	1,539.8	1,546.4	1,654.8	1,850.5	1,891.8	1,992.8	2,053.7
				Private			
Total	84,629.7	90,791.0	93,446.4	93,554.7	92,073.5	99,708.0	96,327.5
Construction & Works	39,656.3	42,412.6	40,428.7	40,010.4	36,966.7	30,874.5	29,768.5
Residential Buildings	21,874.3	23,657.9	22,755.8	21,989.1	19,024.1	15,977.7	13,628.9
Non-residential Buildings	16,038.5	16,946.0	15,501.8	15,507.0	15,579.3	12,868.7	14,075.4
Other Construction & Works	1,751.8	1,811.7	2,163.1	2,514.4	2,363.4	2,026.1	2,190.0
Transport Equipment	9,405.2	7,816.3	7,035.0	8,440.0	10,077.2	14,343.4	14,693.3
Machinery & Equipment	20,900.9	20,925.6	20,522.4	19,836.5	20,933.7	20,636.3	21,638.6
Intellectual Property Products	14,398.7	19,570.4	25,436.6	25,267.8	24,095.8	33,445.4	29,986.0

Notes : Disaggregated chain-linked data generally do not add up to the total.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16027

5.6 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY

(2015 = 100)

Industry	2012	2013	2014	2015	2016	2017	2018
GDP at Market Prices	97.6	97.2	96.9	100.0	100.8	103.4	105.3
Goods Producing Industries	92.5	88.8	91.4	100.0	97.3	98.9	105.7
Manufacturing	91.2	86.3	88.9	100.0	97.4	100.6	108.9
Construction	95.0	96.6	99.5	100.0	97.4	93.1	92.6
Utilities	98.4	93.7	95.2	100.0	94.7	91.8	95.0
Other Goods Industries [1]	94.6	98.6	99.4	100.0	98.9	100.1	101.6
Services Producing Industries	99.8	99.5	98.4	100.0	103.0	106.4	107.8
Wholesale & Retail Trade	117.0	111.7	101.8	100.0	112.9	120.6	121.5
Transportation & Storage	85.0	86.1	92.5	100.0	90.7	97.7	97.2
Accommodation & Food Services	94.8	95.8	99.0	100.0	102.1	101.6	102.8
Information & Communications	99.4	99.9	99.7	100.0	103.5	104.3	104.1
Finance & Insurance	101.6	98.2	96.5	100.0	102.0	104.6	106.6
Business Services	95.3	98.0	99.4	100.0	100.1	99.9	101.6
Other Services Industries	90.3	94.9	97.4	100.0	102.4	105.2	107.5
Ownership of Dwellings	97.8	103.5	102.8	100.0	92.8	88.0	82.7
Gross Value Added at Basic Prices	97.9	96.9	96.8	100.0	101.1	103.6	106.1
Add : Taxes on Products	93.0	101.6	99.6	100.0	96.8	99.5	93.6

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

1 Comprises Agriculture, Fishing and Quarrying.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16086

5.7 EXPENDITURE ON GROSS DOMESTIC PRODUCT DEFLATORS

(2015 = 100)

	2012	2013	2014	2015	2016	2017	2018
GDP	97.6	97.2	96.9	100.0	100.8	103.4	105.3
Total Consumption Expenditure	96.9	98.6	99.5	100.0	99.6	100.6	101.4
Private Consumption Expenditure	97.9	99.5	100.2	100.0	99.0	99.6	100.0
Government Consumption	92.7	95.2	97.0	100.0	101.6	104.3	106.4
Gross Fixed Capital Formation	95.4	97.7	99.3	100.0	99.0	98.8	99.6
Exports of Goods & Services	110.9	108.1	106.4	100.0	96.3	100.2	103.1
Imports of Goods & Services	112.5	109.9	108.6	100.0	95.3	99.4	102.1

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5.8 INCOME COMPONENTS OF GROSS DOMESTIC PRODUCT

(At Current Prices)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
GDP	368,770.5	384,870.3	398,947.9	423,444.1	439,411.6	467,305.5	491,174.5
Compensation of Employees	145,680.0	155,779.7	167,539.5	177,686.9	183,899.8	189,908.8	197,216.8
Gross Operating Surplus	196,270.3	199,586.5	201,053.2	214,469.0	222,756.2	243,240.7	264,136.3
Taxes Less Subsidies on Production & Imports	28,215.2	29,685.6	29,546.5	31,288.2	34,698.0	37,653.2	35,835.1
Other Taxes Less Subsidies on Production	7,062.9	7,514.8	7,797.4	7,031.5	8,181.0	8,822.6	9,330.7
Taxes on Products	21,152.3	22,170.8	21,749.1	24,256.7	26,517.0	28,830.6	26,504.4
Statistical Discrepancy	-1,395.0	-181.5	808.7	0.0	-1,942.4	-3,497.2	-6,013.7

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

5.9 GROSS OPERATING SURPLUS BY INDUSTRY

(At Current Prices)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total	196,270.3	199,586.5	201,053.2	214,469.0	222,756.2	243,240.7	264,136.3
Manufacturing	47,120.3	43,110.6	45,635.6	50,641.8	51,721.6	61,416.7	76,728.1
Construction	5,349.0	5,014.7	4,861.5	5,041.0	4,555.8	3,565.2	3,640.2
Utilities	4,048.3	3,791.8	3,854.9	4,230.4	3,924.8	3,681.4	3,767.0
Other Goods Industries [1]	51.7	59.9	62.1	61.7	59.4	63.0	64.5
Wholesale & Retail Trade	46,009.9	45,323.4	39,948.0	39,531.4	46,784.0	52,650.8	53,725.3
Transportation & Storage	13,117.5	13,526.8	15,089.2	17,434.4	14,951.9	17,394.9	17,376.1
Accommodation & Food Services	3,441.7	3,402.5	3,563.7	3,495.0	3,722.4	3,714.1	3,944.0
Information & Communications	5,964.8	6,588.6	6,739.3	6,137.0	7,084.2	7,241.5	7,384.7
Finance & Insurance	18,097.4	22,254.5	23,174.8	26,533.8	27,961.6	30,816.5	33,720.4
Business Services	29,472.5	31,525.5	32,452.1	35,422.2	36,520.6	36,839.7	38,249.9
Other Services Industries	8,609.8	8,607.3	8,853.0	8,827.7	8,842.1	9,369.3	9,320.2
Ownership of Dwellings	14,987.4	16,380.9	16,819.0	17,112.6	16,627.8	16,487.6	16,215.9

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

1 Comprises Agriculture, Fishing and Quarrying.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12391

5.10 COMPENSATION OF EMPLOYEES BY INDUSTRY

(At Current Prices)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total	145,680.0	155,779.7	167,539.5	177,686.9	183,899.8	189,908.8	197,216.8
Manufacturing	22,034.6	23,020.4	24,427.4	24,856.6	24,538.5	24,648.8	25,292.7
Construction	9,565.3	10,745.2	11,809.3	12,535.7	12,915.3	12,232.8	11,890.1
Utilities	1,119.8	1,270.1	1,373.6	1,479.4	1,504.3	1,552.4	1,598.5
Other Goods Industries [1]	62.5	61.1	63.8	66.3	68.1	70.3	73.0
Wholesale & Retail Trade	22,010.4	22,932.5	24,228.5	25,788.7	26,828.6	27,442.2	28,573.7
Transportation & Storage	9,961.9	10,574.8	11,506.0	12,214.3	12,760.3	13,167.7	13,745.0
Accommodation & Food Services	4,217.6	4,526.9	4,821.7	5,044.6	5,257.8	5,324.2	5,398.9
Information & Communications	7,666.8	8,102.1	8,984.2	9,560.0	10,187.4	10,785.7	11,583.1
Finance & Insurance	19,274.1	20,460.2	22,408.9	23,412.8	23,450.2	25,337.3	26,718.3
Business Services	21,632.9	23,390.1	24,959.5	27,123.3	28,328.6	29,108.7	30,374.8
Other Services Industries	28,134.1	30,696.3	32,956.6	35,605.2	38,060.7	40,238.7	41,968.7

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

1 Comprises Agriculture, Fishing and Quarrying.

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5.11 OTHER TAXES LESS SUBSIDIES ON PRODUCTION BY INDUSTRY

(At Current Prices)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total	7,062.9	7,514.8	7,797.4	7,031.5	8,181.0	8,822.6	9,330.7
Manufacturing	901.9	986.8	1,070.2	898.1	990.6	1,077.7	1,149.7
Construction	1,051.5	1,500.1	1,866.8	2,026.9	2,186.9	2,129.5	1,993.5
Utilities	174.2	205.1	188.6	208.9	213.5	206.1	210.1
Other Goods Industries [1]	9.4	11.2	11.3	10.2	11.6	12.5	12.6
Wholesale & Retail Trade	441.3	331.0	279.4	72.7	281.2	431.0	541.1
Transportation & Storage	701.7	607.1	567.8	404.7	569.2	694.3	743.7
Accommodation & Food Services	325.9	316.3	248.0	209.2	331.5	387.3	422.4
Information & Communications	229.4	199.1	212.7	176.4	200.0	233.9	275.1
Finance & Insurance	148.9	126.5	124.2	30.4	62.4	105.7	175.1
Business Services	1,384.9	1,510.0	1,593.7	1,603.9	1,713.9	1,875.8	2,019.8
Other Services Industries	931.9	851.5	656.5	402.8	658.6	720.1	831.1
Ownership of Dwellings	761.9	870.1	978.2	987.5	961.6	948.7	956.5

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

1 Comprises Agriculture, Fishing and Quarrying.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12393

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 used to assess the external performance of an economy and to formulate policies associated with it.

Transactions recorded in the balance of payments fall under 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, 2018

(Million Dollars)

Overall Balance	16,924.5
Current Account Balance	87,772.0
Capital and Financial Account Balance	66,696.7
Reserve Assets	16,924.5

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 net worth of an economy, is the difference between its external financial assets and its liabilities, plus the value of non-financial assets.

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 papers "Singapore's International Accounts: Methodological Updates and Recent Developments" and "Methodological Improvements to the Current Account of Singapore's Balance of Payments".

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

	2012	2013	2014	2015	2016	2017	2018
A Current Account Balance	65,063.2	60,452.3	71,612.0	72,897.4	76,896.7	76,510.1	87,772.0
Goods Balance	93,667.2	98,574.6	109,846.8	127,267.9	120,395.9	127,732.6	132,688.8
Exports of Goods	563,674.7	573,077.2	570,951.4	544,736.4	513,108.8	564,163.1	620,116.5
Imports of Goods	470,007.5	474,502.6	461,104.6	417,468.5	392,712.9	436,430.5	487,427.7
Services Balance	-4,327.9	-9,616.4	-16,334.4	-11,676.9	-3,370.0	-10,863.9	-2,219.5
Exports of Services	161,769.2	177,719.3	194,843.2	210,622.7	214,361.0	236,896.1	246,210.7
Manufacturing Services On Physical Inputs Owned By Others	249.6	283.2	424.4	346.5	284.8	243.2	260.2
Maintenance & Repair Services	9,053.1	10,767.2	9,853.1	9,315.2	8,742.4	8,493.1	9,176.9
Transport	55,586.3	57,830.9	63,918.8	64,097.1	57,313.2	66,895.1	69,865.9
Freight	42,864.3	45,929.4	50,917.2	50,798.1	43,741.7	50,646.5	52,161.6
Others	12,722.0	11,901.5	13,001.6	13,299.0	13,571.5	16,248.6	17,704.3
Travel	23,487.3	24,063.3	24,277.4	22,845.5	26,171.6	27,467.9	27,537.5
Insurance	3,396.6	3,634.5	4,241.5	5,312.7	6,114.7	6,456.8	7,195.8
Government Goods & Services	382.8	391.5	395.3	397.0	405.0	408.7	412.0
Construction	1,922.3	2,135.6	1,474.4	1,172.2	1,363.2	1,058.3	1,015.7
Financial	20,694.6	23,611.1	26,664.5	28,879.7	30,105.6	34,396.1	36,579.7
Telecommunications, Computer & Information	8,403.2	9,552.3	10,094.6	12,199.0	16,154.5	17,603.6	17,804.7
Charges for the Use of Intellectual Property	3,514.6	4,272.5	4,953.5	11,894.1	10,074.3	11,086.5	11,759.9
Personal, Cultural & Recreational	598.6	636.5	801.4	852.8	837.3	708.9	710.4
Other Business Services	34,480.2	40,540.7	47,744.3	53,310.9	56,794.4	62,077.9	63,892.0
Accounting	407.3	400.3	332.2	307.3	332.9	323.9	340.2
Advertising And Market Research	2,859.9	4,770.1	7,954.3	10,231.9	14,016.3	18,827.6	19,441.7
Architectural	354.1	312.5	389.6	382.0	442.0	389.6	398.4
Business Management	16,451.4	20,139.2	21,122.2	23,455.8	23,971.8	24,679.9	25,248.9
Engineering And Technical	4,195.5	5,059.4	6,021.0	5,183.1	4,974.0	3,970.1	4,102.8
Legal	600.1	643.4	676.8	766.8	870.8	977.5	1,079.6
Research And Development	749.9	1,148.6	914.6	1,054.5	944.4	1,059.9	1,305.9
Operating Leasing	3,117.9	3,738.2	4,902.5	5,883.3	5,686.9	5,479.7	5,506.9
Trade-Related	5,489.9	3,928.1	4,899.9	5,469.1	4,890.2	5,543.4	5,624.2
Others	254.2	400.9	531.2	577.1	665.1	826.3	843.4
Imports of Services	166,097.1	187,335.7	211,177.6	222,299.6	217,731.0	247,760.0	248,430.2
Manufacturing Services On Physical Inputs Owned By Others	5,349.2	6,500.5	7,846.8	8,341.2	7,730.1	8,162.0	8,735.4
Maintenance & Repair Services	837.0	845.2	880.7	929.3	950.0	917.7	923.5
Transport	44,508.4	49,280.7	57,822.3	65,611.6	60,334.4	72,784.8	73,266.5
Freight	26,273.1	29,938.6	36,584.5	43,581.5	38,343.2	49,017.7	48,210.1
Others	18,235.3	19,342.1	21,237.8	22,030.1	21,991.2	23,767.1	25,056.4
Travel	28,915.8	30,540.3	32,368.7	32,524.9	33,097.7	33,954.7	34,188.0
Insurance	3,498.3	4,257.3	3,609.4	4,376.7	6,057.2	5,522.6	6,057.2
Government Goods & Services	256.8	287.0	295.1	274.7	310.5	293.4	306.5
Construction	648.8	679.8	497.6	466.9	514.1	509.0	565.8
Financial	4,034.2	4,647.2	5,502.0	6,194.0	6,374.2	7,752.6	8,831.5
Telecommunications, Computer & Information	9,515.9	11,792.6	20,311.2	14,932.2	17,883.2	20,393.0	20,634.5
Charges for the Use of Intellectual Property	28,874.5	28,769.9	26,452.9	26,672.0	21,458.9	20,609.8	20,473.2
Personal, Cultural & Recreational	557.9	584.1	625.3	685.2	540.5	583.2	615.0
Other Business Services	39,100.3	49,151.1	54,965.6	61,290.9	62,480.2	76,277.2	73,833.1
Accounting	270.8	260.1	290.8	331.0	395.4	763.8	784.6
Advertising And Market Research	3,057.0	3,101.4	3,418.6	3,808.8	4,268.1	4,666.1	4,717.9
Architectural	84.6	78.8	56.9	46.9	85.2	43.6	45.0
Business Management	14,672.4	15,750.8	17,318.3	18,749.9	19,300.6	20,741.9	21,351.9
Engineering And Technical	2,340.1	2,755.6	3,336.6	3,286.9	3,377.7	3,718.4	3,870.6
Legal	663.9	262.6	298.7	315.4	336.9	361.7	373.0
Research And Development	5,949.2	11,677.6	10,651.6	17,126.5	15,359.5	24,878.5	21,071.1
Operating Leasing	3,109.3	4,437.6	7,581.7	5,177.4	5,000.3	6,068.2	6,095.5
Trade-Related	8,792.7	10,573.2	11,747.5	12,097.0	13,940.5	14,658.0	15,138.4
Others	160.3	253.4	264.9	351.1	416.0	377.0	385.1

(continued on the next page)

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

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6.1 BALANCE OF PAYMENTS *(continued)*

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
A Current Account Balance *(continued)*	65,063.2	60,452.3	71,612.0	72,897.4	76,896.7	76,510.1	87,772.0
Primary Income Balance	-16,398.4	-20,729.9	-13,877.9	-28,892.8	-30,591.3	-32,500.0	-33,191.7
Primary Income Receipts	81,023.2	84,661.7	90,129.7	98,544.7	106,168.5	126,252.6	141,214.4
Primary Income Payments	97,421.6	105,391.6	104,007.6	127,437.5	136,759.8	158,752.6	174,406.1
Secondary Income Balance	-7,877.7	-7,776.0	-8,022.5	-13,800.8	-9,537.9	-7,858.6	-9,505.6
Secondary Income Receipts	10,632.8	12,548.7	12,431.1	14,934.1	14,791.4	13,688.5	13,585.3
Secondary Income Payments	18,510.5	20,324.7	20,453.6	28,734.9	24,329.3	21,547.1	23,090.9
B Capital and Financial Account Balance [1]	30,405.9	40,184.5	59,919.4	70,857.7	78,121.4	35,891.5	66,696.7
Financial Account (Net)	30,405.9	40,184.5	59,919.4	70,857.7	78,121.4	35,891.5	66,696.7
Direct Investment	-43,526.7	-23,913.2	-20,552.8	-33,753.8	-46,655.8	-70,586.2	-61,654.0
Assets	25,593.9	56,657.4	66,491.6	62,174.0	54,960.6	60,340.9	49,004.4
Liabilities	69,120.6	80,570.6	87,044.4	95,927.8	101,616.4	130,927.1	110,658.4
Portfolio Investment	98,586.5	80,128.2	58,961.1	84,760.1	26,748.9	46,297.2	32,224.3
Assets	104,138.5	77,737.7	62,383.9	76,187.0	32,399.0	66,163.7	27,752.3
Deposit-Taking Corporations, except the Central Bank	38,125.7	21,614.5	21,227.4	2,389.6	-14,309.5	22,612.5	-14,981.9
Official	13,929.9	15,413.5	20,108.5	25,023.9	26,237.3	33,943.9	38,875.3
Others	52,082.9	40,709.7	21,048.0	48,773.5	20,471.2	9,607.3	3,858.9
Liabilities	5,552.0	-2,390.5	3,422.8	-8,573.1	5,650.1	19,866.5	-4,472.0
Deposit-Taking Corporations, except the Central Bank	-4,814.6	6,704.6	11,447.5	-5,462.5	14,047.6	10,695.0	318.6
Others	10,366.6	-9,095.1	-8,024.7	-3,110.6	-8,397.5	9,171.5	-4,790.6
Financial Derivatives	-21,753.3	-16,409.3	-3,616.3	-7,582.7	19,137.9	11,325.0	22,501.8
Assets	-50,331.4	-13,204.0	5,156.4	-11,227.7	9,795.4	-7,274.2	-3,565.5
Liabilities	-28,578.1	3,205.3	8,772.7	-3,645.0	-9,342.5	-18,599.2	-26,067.3
Other Investment	-2,900.6	378.8	25,127.4	27,434.1	78,890.4	48,855.5	73,624.6
Assets	21,724.3	122,472.6	93,189.1	36,082.1	138,253.4	96,402.4	146,940.1
Deposit-Taking Corporations, except the Central Bank	-16,433.3	80,780.8	50,392.5	22,100.2	33,901.8	19,182.7	81,495.3
Official	19,290.5	37,030.3	22,029.4	14,679.3	59,684.0	68,528.2	60,289.3
Others	18,867.1	4,661.5	20,767.2	-697.4	44,667.6	8,691.5	5,155.5
Liabilities	24,624.9	122,093.8	68,061.7	8,648.0	59,363.0	47,546.9	73,315.5
Deposit-Taking Corporations, except the Central Bank	7,198.3	108,742.1	52,241.7	-1,340.2	13,786.0	33,194.8	68,037.3
Others	17,426.6	13,351.7	15,820.0	9,988.2	45,577.0	14,352.1	5,278.2
C Net Errors and Omissions	-2,051.4	2,463.1	-3,074.8	-539.0	-1,230.6	-2,777.4	-4,150.8
D Overall Balance (A-B+C)	32,605.9	22,730.9	8,617.8	1,500.7	-2,455.3	37,841.2	16,924.5
E Reserves Assets	32,605.9	22,730.9	8,617.8	1,500.7	-2,455.3	37,841.2	16,924.5
Special Drawing Rights	-91.8	56.6	-19.8	39.8	-271.2	-23.1	11.0
Reserve Position in the IMF	35.1	181.0	-212.6	-231.6	589.1	-358.5	363.8
Foreign Exchanges Assets	32,662.6	22,493.3	8,850.2	1,692.5	-2,773.2	38,222.8	16,549.7

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

	2012	2013	2014	2015	2016	2017	2018
Net International Investment Position	716,030.6	767,047.1	781,174.7	914,909.5	1,042,840.1	1,081,918.5	1,108,209.7
External Assets	3,363,523.0	3,706,455.6	4,042,111.6	4,354,513.3	4,628,151.9	4,980,435.2	5,236,251.8
Direct Investment	701,038.3	787,907.2	899,906.6	1,046,666.9	1,150,027.8	1,287,607.0	1,394,966.4
Equity And Investment Fund Shares	497,846.5	554,805.8	659,619.8	752,986.1	853,054.5	901,396.2	980,273.5
Debt Instruments	203,191.8	233,101.4	240,286.8	293,680.8	296,973.3	386,210.8	414,692.9
Portfolio Investment	981,244.5	1,154,112.1	1,264,242.9	1,368,941.2	1,481,005.1	1,675,600.1	1,665,664.0
Equity And Investment Fund Shares	521,340.3	592,231.9	636,568.8	692,311.0	743,778.9	853,280.1	822,316.2
Debt Securities	459,904.2	561,880.2	627,674.1	676,630.2	737,226.2	822,320.0	843,347.8
Financial Derivatives	113,431.8	110,404.2	147,167.9	134,603.2	131,518.5	112,137.9	122,306.7
Other Investment	1,251,064.2	1,309,302.9	1,390,356.1	1,453,311.2	1,509,346.6	1,531,096.2	1,661,218.9
Trade Credits And Advances	173,974.4	176,719.8	185,538.9	177,250.2	186,683.9	188,714.2	205,189.1
Loans	291,168.3	342,060.5	397,430.3	415,744.7	407,606.7	465,203.3	500,137.5
Currency And Deposits	652,101.9	679,060.0	668,372.3	703,111.7	758,020.1	749,073.0	791,697.7
Insurance Technical Reserves	12,936.1	10,672.7	14,977.3	16,292.9	19,492.8	20,408.2	24,203.9
Other Accounts Receivable	120,883.5	100,789.9	124,037.3	140,911.7	137,543.1	107,697.5	139,990.7
Reserve Assets [1]	316,744.2	344,729.2	340,438.1	350,990.8	356,253.9	373,994.0	392,095.8
Special Drawing Rights	1,641.1	1,697.7	1,677.9	1,717.7	1,446.4	1,423.3	1,434.2
Reserve Position In The IMF	1,115.8	1,296.7	1,084.1	852.6	1,441.7	1,083.3	1,447.1
Foreign Exchange Assets	313,987.3	341,734.8	337,676.1	348,420.5	353,365.8	371,487.4	389,214.5
External Liabilities	2,647,492.4	2,939,408.5	3,260,936.9	3,439,603.8	3,585,311.8	3,898,516.7	4,128,042.1
Direct Investment	1,014,603.8	1,135,746.1	1,358,654.1	1,543,357.5	1,610,598.6	1,863,725.7	2,022,650.4
Equity And Investment Fund Shares	844,676.9	952,899.5	1,129,391.8	1,290,573.3	1,342,311.6	1,568,652.7	1,737,105.2
Debt Instruments	169,926.9	182,846.6	229,262.3	252,784.2	268,287.0	295,073.0	285,545.2
Portfolio Investment	201,986.9	248,067.2	274,827.5	248,072.9	275,153.7	327,828.9	298,545.5
Equity And Investment Fund Shares	174,705.4	207,951.9	228,760.3	203,933.6	210,669.0	255,710.9	222,358.4
Debt Securities	27,281.5	40,115.3	46,067.2	44,139.3	64,484.7	72,118.0	76,187.1
Financial Derivatives	103,442.4	100,445.8	123,238.5	127,941.0	126,407.4	110,004.8	122,586.2
Other Investment	1,327,459.3	1,455,149.4	1,504,216.8	1,520,232.4	1,573,152.1	1,596,957.3	1,684,260.0
Trade Credits And Advances	150,352.1	151,598.2	143,958.2	143,898.2	163,230.6	174,274.4	184,393.7
Loans	93,513.7	109,781.2	115,500.7	127,556.1	149,025.0	132,741.1	134,469.2
Currency And Deposits	991,308.1	1,099,725.5	1,138,588.3	1,121,692.9	1,128,672.9	1,177,518.8	1,224,919.0
Insurance Technical Reserves	13,871.9	12,982.6	14,042.7	14,763.2	15,597.4	15,005.8	22,574.4
Special Drawing Rights Allocation	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,417.3	1,416.5
Other Accounts Payable	77,014.1	79,615.1	90,698.1	110,859.8	115,180.4	95,999.9	116,487.2

1 Assets held by the Monetary Authority of Singapore.

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6.3 EXTERNAL DEBT

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Gross External Debt	1,524,667.9	1,678,111.3	1,779,546.3	1,817,155.6	1,905,923.8	1,964,148.0	2,045,992.3
Direct Investment: Intercompany Loans	169,926.9	182,846.5	229,262.3	252,784.2	268,287.0	295,073.0	285,545.3
Debt Liabilities Of DIE [1]							
To Direct Investors	104,237.6	104,687.2	128,997.1	140,049.8	170,700.3	198,871.0	186,655.9
Debt Liabilities Of Direct Investors							
To DIE [1]	13,606.6	20,094.0	21,440.1	26,879.4	30,590.7	36,198.0	37,243.2
Debt Liabilities Between							
Fellow Enterprises	52,082.7	58,065.3	78,825.1	85,855.0	66,996.0	60,004.0	61,646.2
Other Liabilities	1,354,741.0	1,495,264.8	1,550,284.0	1,564,371.4	1,637,636.8	1,669,075.0	1,760,447.0
General Government	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Central Bank	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,417.3	1,416.5
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	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,417.3	1,416.5
Special Drawing Rights							
(Allocations)	1,399.4	1,446.8	1,428.8	1,462.2	1,445.8	1,417.3	1,416.5
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	1,070,379.4	1,188,696.9	1,242,602.5	1,239,125.3	1,253,913.5	1,292,363.4	1,361,181.8
Short-term	998,801.0	1,113,891.9	1,155,988.0	1,133,983.4	1,146,492.7	1,204,137.0	1,252,335.1
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	3,591.3	10,238.5	13,474.6	7,522.5	12,018.3	20,394.7	21,418.9
Currency And Deposits	990,715.3	1,099,077.2	1,137,726.2	1,120,889.7	1,127,737.6	1,176,332.4	1,223,681.8
Others	4,494.4	4,576.2	4,787.2	5,571.2	6,736.8	7,409.9	7,234.4
Long-term	71,578.4	74,805.0	86,614.5	105,141.9	107,420.8	88,226.4	108,846.7
Loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt Securities	1,020.0	2,178.3	2,232.7	2,314.8	1,483.2	870.6	846.8
Others	70,558.4	72,626.7	84,381.8	102,827.1	105,937.6	87,355.8	107,999.9

(continued on the next page)

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

1 Refers to direct investment enterprise.

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

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6.3 EXTERNAL DEBT *(continued)*

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Gross External Debt (continued)							
Other Liabilities (continued)							
Other Sector	282,962.2	305,121.1	306,252.7	323,783.9	382,277.5	375,294.3	397,848.7
Short-term	205,298.1	219,659.1	216,139.2	234,003.8	267,686.9	267,113.1	278,576.4
Trade Credits And Advances	150,352.1	151,598.2	143,958.2	143,898.2	163,230.6	174,274.4	184,393.7
Loans	52,692.8	65,067.7	69,273.6	87,503.1	101,786.4	90,504.9	91,965.8
Debt Securities	846.7	1,052.6	864.8	760.7	680.1	645.6	505.0
Others	1,406.5	1,940.6	2,042.6	1,841.8	1,989.8	1,688.2	1,711.9
Long-term	77,664.1	85,462.0	90,113.5	89,780.1	114,590.6	108,181.2	119,272.3
Loans	40,820.9	44,713.6	46,227.1	40,052.9	47,238.6	42,236.2	42,503.3
Debt Securities	21,823.6	26,645.9	29,495.1	33,541.2	50,303.1	50,207.0	53,416.5
Others	15,019.6	14,102.5	14,391.3	16,186.0	17,048.9	15,738.0	23,352.5

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

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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	2011	2012	2013	2014	2015	2016	2017
Total	702,495.2	808,461.3	905,760.4	1,112,348.1	1,267,981.0	1,354,820.8	1,567,974.0
Manufacturing	140,037.6	127,709.5	159,819.5	156,995.7	166,793.2	170,148.0	181,581.9
Construction	2,516.1	2,570.3	3,448.3	3,944.5	3,541.0	4,424.7	5,297.9
Wholesale & Retail Trade	125,001.9	166,702.4	189,014.9	240,617.4	286,022.1	296,385.2	289,754.2
Accommodation & Food Service Activities	4,610.5	4,906.7	4,049.7	5,313.6	6,365.9	6,513.8	6,708.8
Transport & Storage	30,287.8	34,699.5	33,137.5	38,409.3	40,505.0	28,866.3	31,322.1
Information & Communications	7,011.4	11,307.5	12,516.6	18,642.7	21,553.7	20,314.1	30,537.9
Financial & Insurance Services	312,087.0	375,899.4	404,292.3	516,664.7	582,933.4	668,853.9	853,807.3
Real Estate Activities	25,760.4	29,551.2	31,892.0	37,127.8	34,274.1	38,587.8	40,420.5
Professional, Scientific & Technical, Administrative & Support Services	45,984.4	46,245.0	57,622.0	81,908.4	111,170.5	105,656.3	112,457.3
Others	9,198.3	8,869.8	9,967.5	12,724.0	14,822.1	15,070.8	16,086.2

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

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

(End of Period)

Million Dollars

Industry	2011	2012	2013	2014	2015	2016	2017
Total	449,376.1	498,027.9	545,751.3	650,037.7	724,368.3	836,861.4	850,258.0
Manufacturing	90,878.4	97,137.0	104,452.8	115,450.6	135,715.0	156,908.9	163,127.3
Construction	1,298.2	1,474.4	1,643.8	1,881.9	1,889.3	2,208.3	2,168.2
Wholesale & Retail Trade	31,846.9	38,444.7	43,550.0	51,445.5	61,259.2	68,103.0	69,472.5
Accommodation & Food Service Activities	3,825.3	4,087.4	3,826.6	3,831.7	4,380.1	4,764.2	4,841.3
Transport & Storage	11,224.3	13,329.7	15,208.4	18,409.7	20,460.5	18,819.0	17,480.4
Information & Communications	21,116.0	22,423.9	22,553.3	27,836.5	31,240.3	38,392.0	41,452.9
Financial & Insurance Services	211,425.8	235,194.3	263,195.6	332,677.3	356,242.1	390,541.4	398,662.4
Real Estate Activities	38,919.9	39,444.3	42,225.0	46,805.7	56,331.8	66,660.3	67,161.7
Professional, Scientific & Technical, Administrative & Support Services	8,404.3	9,496.6	11,591.2	14,586.1	21,344.0	24,429.9	21,716.2
Others	30,436.9	36,995.5	37,504.6	37,112.6	35,505.8	66,034.3	64,174.9

Notes : The activities abroad are classified according to Singapore Standard Industrial Classification 2015 (Version 2018).

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

(End of Period)

Million Dollars

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	702,495.2	808,461.3	905,760.4	1,112,348.1	1,267,981.0	1,354,820.8	1,567,974.0
Asia	170,941.3	197,698.3	220,160.7	283,770.4	299,221.6	292,470.9	325,865.4
Brunei Darussalam	338.2	369.7	389.5	341.2	324.8	353.0	371.6
Cambodia	22.8	22.6	23.1	21.0	21.7	15.9	20.2
China	15,096.8	16,306.2	17,846.2	16,002.0	22,688.7	23,939.4	36,294.0
Hong Kong	21,801.0	30,393.2	33,490.1	50,218.2	48,713.0	56,149.0	61,033.7
India	23,104.1	23,861.8	25,443.9	25,759.3	23,903.7	18,911.0	20,686.6
Indonesia	2,054.7	3,819.1	2,798.6	2,347.6	3,119.5	4,349.9	5,802.5
Israel	4,747.4	4,534.1	4,667.7	4,503.3	1,931.5	1,772.7	1,558.8
Japan	55,338.2	60,068.8	72,246.2	110,106.2	115,247.2	92,794.6	99,944.5
Korea, Republic of	4,143.3	3,306.0	4,680.9	7,576.1	10,680.5	13,926.0	16,670.8
Lao People's Democratic Republic	3.8	3.7	37.6	36.0	36.9	45.7	48.6
Malaysia	23,739.1	31,370.3	30,941.4	32,518.2	32,394.9	35,272.3	37,109.0
Myanmar	19.4	9.0	34.2	91.1	147.7	236.9	493.6
Philippines	2,419.9	2,958.6	3,730.7	3,060.1	3,760.3	3,369.9	4,086.3
Taiwan	7,127.8	7,252.1	8,433.7	12,383.2	14,553.4	16,780.2	15,790.1
Thailand	4,153.1	3,806.2	4,175.9	4,533.6	5,263.2	6,671.2	7,956.2
Viet Nam	60.6	24.2	107.8	181.3	380.9	496.9	513.2
Europe	260,406.4	280,778.4	302,759.4	326,556.6	385,152.0	413,211.5	471,181.7
Denmark	8,973.9	10,027.5	10,496.0	10,722.0	14,339.6	15,823.2	14,141.9
France	10,609.2	12,595.3	12,874.5	14,893.0	15,622.9	15,781.4	15,934.3
Germany	14,242.2	14,701.6	15,810.6	17,755.1	18,597.2	17,472.3	21,678.0
Ireland	7,131.5	7,897.9	7,321.8	10,259.3	22,234.3	26,805.7	24,657.8
Luxembourg	23,797.5	21,256.5	24,413.9	42,591.4	48,712.7	65,642.4	68,089.5
Netherlands	71,651.1	90,555.8	84,902.2	70,062.5	99,820.6	102,391.8	123,399.7
Norway	22,056.9	20,731.7	21,118.2	21,475.9	22,339.8	20,175.4	16,564.4
Switzerland	28,545.8	32,349.4	39,635.6	44,348.3	48,403.8	40,071.5	40,005.3
United Kingdom	55,899.8	49,092.4	59,016.3	62,181.3	60,141.8	66,740.8	85,028.8
North America	79,091.4	110,316.1	136,907.5	200,855.2	253,387.7	290,327.4	355,803.6
United States	74,644.7	105,145.3	129,927.8	192,312.1	243,060.3	279,723.4	339,270.0
Canada	4,446.7	5,170.8	6,979.7	8,543.1	10,327.3	10,603.8	16,533.4
Oceania	14,582.6	15,719.5	17,504.7	23,641.9	25,184.2	25,683.7	22,108.2
Australia	10,052.7	10,220.2	10,424.6	15,216.8	15,805.5	15,576.8	16,558.5
New Zealand	3,081.5	3,472.6	4,288.2	3,570.6	3,868.7	4,462.6	3,179.6
South and Central America and the Caribbean	163,568.7	186,679.3	208,880.0	255,026.9	277,754.7	303,286.1	363,676.1
Africa	13,761.4	16,844.4	19,272.7	21,984.3	25,307.6	28,660.4	28,154.2
ASEAN [1]	32,811.5	42,383.4	42,238.8	43,130.2	45,449.9	50,811.6	56,401.3
European Union (EU 28) [2]	201,166.9	217,725.3	227,445.8	244,837.8	297,773.2	332,949.9	376,878.9

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

(End of Period)

Million Dollars

Region/Country	2011	2012	2013	2014	2015	2016	2017
Total	449,376.1	498,027.9	545,751.3	650,037.7	724,368.3	836,861.4	850,258.0
Asia	259,231.1	277,116.8	294,556.4	334,965.5	384,879.1	437,707.1	451,364.2
Brunei Darussalam	149.5	207.6	227.6	243.4	268.2	186.3	187.5
Cambodia	216.5	225.7	240.7	247.6	346.0	412.7	452.4
China	85,231.9	92,047.0	102,624.8	114,454.7	123,418.5	136,966.0	139,974.0
Hong Kong	39,429.5	40,241.3	41,845.8	51,134.6	51,950.1	55,358.5	57,394.2
India	11,242.1	12,909.4	16,000.2	21,163.3	34,206.3	43,100.2	48,535.8
Indonesia	35,084.2	39,910.8	40,777.5	46,350.4	55,993.9	65,956.4	65,746.1
Japan	14,079.0	9,963.8	9,772.8	9,715.4	14,083.1	18,111.0	19,576.5
Korea, Republic of	2,734.8	2,856.5	3,389.2	3,990.5	6,669.3	9,415.6	9,594.2
Lao People's Democratic Republic	225.2	226.3	163.9	262.1	293.1	197.8	193.9
Malaysia	33,116.9	36,486.3	36,700.0	40,526.3	43,726.8	44,596.1	44,952.2
Myanmar	174.3	291.8	332.2	1,941.5	3,253.4	4,649.8	4,890.1
Philippines	5,393.1	5,330.4	5,226.6	5,421.8	7,270.0	7,616.8	7,553.9
Taiwan	6,182.2	7,557.9	7,785.7	7,318.0	7,975.1	8,250.2	7,021.9
Thailand	19,810.6	19,669.0	18,982.0	20,067.4	21,026.8	24,474.5	26,066.5
Viet Nam	3,101.4	3,745.4	4,333.0	5,331.5	7,027.7	8,807.6	9,074.9
Europe	62,073.8	79,949.4	93,402.8	106,553.9	111,249.4	182,022.2	154,446.9
Germany	1,652.8	1,576.9	1,369.2	1,407.7	1,529.1	1,327.1	2,069.6
Luxembourg	1,607.3	12,172.6	15,988.7	28,282.8	30,189.0	62,210.6	29,987.6
Netherlands	7,765.5	7,855.0	10,368.7	14,800.3	20,331.4	24,859.5	26,864.1
Norway	2,057.1	2,811.9	3,155.5	3,831.2	4,385.4	3,207.4	2,683.7
Switzerland	3,435.5	3,661.4	4,431.1	5,257.7	5,770.5	6,168.0	5,763.6
United Kingdom	37,254.8	43,713.6	49,153.1	42,429.8	38,035.1	45,751.2	54,503.3
North America	8,125.5	9,691.8	10,256.1	15,622.7	17,415.4	32,080.5	31,922.6
United States	7,334.0	8,296.7	9,695.5	13,536.8	17,056.0	31,774.6	31,489.0
Canada	791.4	1,395.1	560.7	2,085.9	359.4	305.9	433.5
Oceania	40,038.8	45,659.4	48,041.9	44,574.5	47,344.7	52,783.4	52,882.9
Australia	36,106.5	41,943.5	43,694.8	39,729.8	42,469.4	48,248.7	48,749.4
New Zealand	1,565.6	1,710.4	2,137.1	2,275.5	2,400.0	2,244.1	2,079.7
South and Central America and the Caribbean	59,191.2	65,134.3	78,803.2	126,223.5	139,900.0	106,708.4	133,205.6
Africa	20,715.8	20,476.3	20,690.9	22,097.6	23,579.8	25,559.8	26,435.8
ASEAN [1]	97,271.7	106,093.1	106,983.6	120,392.2	139,205.9	156,898.0	159,117.7
European Union (EU 28) [2]	54,664.7	71,187.8	83,602.9	95,081.5	97,484.4	143,094.8	122,029.6

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 (FIXED ASSETS INVESTMENTS) BY INDUSTRY

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total	16,007.8	12,135.2	11,840.2	11,494.9	9,389.0	9,449.1	10,873.3
Manufacturing [1]	14,299.4	7,956.8	6,762.4	8,299.7	5,876.3	6,200.6	5,304.4
Food, Beverage & Tobacco	..	97.0	482.2	..	173.8	..	152.8
Petroleum & Chemical Products	5,726.6	2,508.5	2,635.8	3,560.7	1,259.1	1,316.9	201.1
Pharmaceutical & Biological Products	196.7	593.9	721.6	471.7	177.8	439.5	652.1
Rubber & Plastic Products	..	..	..	..	..	..	..
Fabricated Metal Products	..	91.6	..	..	..	93.0	53.2
Machinery & Equipment	432.3	518.2	345.7	7.7	351.0	502.2	131.1
Computers, Electronic & Optical Products	6,313.5	3,293.9	1,746.2	3,266.1	2,322.3	2,263.7	3,095.1
Transport Equipment	310.4	591.8	703.5	484.9	1,090.2	238.0	666.9
Other Manufacturing Industries	1,319.9	261.9	127.4	508.6	502.1	1,347.3	352.1
Services Industries	1,708.4	4,178.4	5,077.8	3,195.2	3,512.7	3,248.5	5,568.9

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 (FIXED ASSETS INVESTMENTS) BY COUNTRY OF ORIGIN

	2012	2013	2014	2015	2016	2017	2018
Total	16,007.8	12,135.2	11,840.2	11,494.9	9,389.0	9,449.1	10,873.3
Local	1,837.5	3,144.6	1,942.2	1,058.6	2,171.5	931.7	1,719.7
Foreign	14,170.3	8,990.6	9,898.0	10,436.3	7,217.5	8,517.4	9,153.6
United States	5,654.5	3,725.4	1,838.4	6,969.3	3,460.2	3,575.1	5,469.1
Europe	3,134.3	3,281.2	3,117.8	1,510.1	1,248.9	2,722.9	2,430.6
Japan	967.8	670.4	317.2	422.9	680.6	892.8	318.2
Asia Pacific & Others	4,413.7	1,313.6	4,624.6	1,534.0	1,827.8	1,326.6	935.7

Source : Economic Development Board

1 Includes servicing, engineering and R&D.

Download time series at 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's (OECD) "Frascati Manual: Guidelines on Collecting and Reporting Data on Research and Experimental Development" (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, 2017

49,297

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, 2017

$9,085.9 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, 2017

9,784	2,852	1,290
Patents Owned	Patents Applied	Patents Awarded

8.1 ORGANISATIONS PERFORMING R&D BY SECTOR

Number

Sector	2011	2012	2013	2014	2015	2016	2017
Total	862	755	872	948	878	843	922
Private	803	696	811	881	807	774	853
Higher Education	11	12	13	11	12	13	13
Government	29	28	29	31	34	31	31
Public Research Institutes	19	19	19	25	25	25	25

Source : Agency for Science, Technology and Research

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

8.2 R&D MANPOWER BY OCCUPATION AND SEX

Number

	2011	2012	2013	2014	2015	2016	2017
Total	44,846	44,986	47,246	47,867	50,484	49,964	49,297
Male	29,934	29,966	31,588	31,858	33,467	33,004	32,476
Female	14,912	15,020	15,658	16,009	17,017	16,960	16,821
Researchers							
RSE [1]	29,480	30,105	31,924	32,816	34,972	35,289	35,334
Male	21,343	21,644	22,853	23,311	24,713	24,759	24,737
Female	8,137	8,461	9,071	9,505	10,259	10,530	10,597
FPGRS [2]	5,990	5,924	6,012	5,800	5,862	5,734	5,367
Male	3,752	3,710	3,852	3,703	3,803	3,763	3,516
Female	2,238	2,214	2,160	2,097	2,059	1,971	1,851
Non-Degree	2,536	2,392	2,422	2,083	2,325	2,154	2,068
Male	1,808	1,702	1,704	1,448	1,588	1,420	1,407
Female	728	690	718	635	737	734	661
Technicians	3,089	3,022	3,115	3,083	2,962	2,737	2,489
Male	1,872	1,807	1,900	1,921	1,803	1,596	1,407
Female	1,217	1,215	1,215	1,162	1,159	1,141	1,082
Supporting Staff	3,751	3,543	3,773	4,085	4,363	4,050	4,039
Male	1,159	1,103	1,279	1,475	1,560	1,466	1,409
Female	2,592	2,440	2,494	2,610	2,803	2,584	2,630

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14565

8.3 R&D EXPENDITURE BY AREA OF RESEARCH, 2017

Million Dollars

Area of Research	Total	Private Sector	Higher Education Sector	Government Sector	Public Research Institutes
Total	9,085.9	5,423.4	1,703.5	996.6	962.3
Agricultural & Food Sciences	291.9	258.2	16.0	16.8	0.9
Engineering & Technology	5,688.5	4,167.3	509.1	547.6	464.5
Biomedical & Related Sciences	1,725.2	447.3	531.0	332.3	414.7
Natural Sciences (excl Biological Sciences)	900.0	440.7	293.3	88.4	77.6
Energy	139.4	22.3	116.9	0.0	0.1
Others	340.9	87.6	237.3	11.6	4.5

Source : Agency for Science, Technology and Research

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

8.4 R&D EXPENDITURE BY TYPE OF COSTS, 2017

Million Dollars

Type of Costs	Total	Private Sector	Higher Education Sector	Government Sector	Public Research Institutes
Total	9,085.9	5,423.4	1,703.5	996.6	962.3
Capital Costs	904.0	589.4	183.5	66.0	65.1
Land, Buildings & Other Structures	137.4	80.7	17.4	35.8	3.5
Vehicles, Plants, Machinery & Equipment	766.6	508.7	166.1	30.3	61.6
Manpower Costs	4,462.7	2,458.0	1,020.6	492.5	491.6
Researchers	3,981.2	2,226.8	932.5	391.0	430.9
RSE [1]	3,616.1	2,058.1	776.0	375.7	406.2
FPGRS [2]	152.1	0.0	152.1	0.0	0.0
Non-Degree	213.0	168.7	4.4	15.3	24.7
Technicians	162.0	91.1	14.0	26.1	30.8
Others	319.5	140.1	74.1	75.5	29.9
Other Operating Costs	3,719.2	2,376.0	499.5	438.1	405.6

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14547

8.5 R&D EXPENDITURE BY SECTOR

Million Dollars

Sector	2011	2012	2013	2014	2015	2016	2017
Total	7,275.6	7,078.1	7,402.4	8,316.6	9,239.5	9,140.2	9,085.9
Private	4,456.4	4,249.3	4,333.5	5,006.9	5,511.9	5,342.4	5,423.4
Higher Education	1,085.3	1,192.0	1,310.5	1,348.2	1,572.8	1,648.0	1,703.5
Government	758.3	725.0	857.6	972.1	1,027.9	1,024.0	996.6
Public Research Institutes	975.6	911.9	900.9	989.4	1,126.9	1,125.8	962.3

Source : Agency for Science, Technology and Research

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

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

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	4,456.4	4,249.3	4,333.5	5,006.9	5,511.9	5,342.4	5,423.4
Manufacturing	2,026.8	2,439.2	2,382.0	2,624.8	2,973.2	2,766.3	2,782.6
Services	2,412.1	1,795.7	1,929.1	2,359.1	2,521.1	2,548.4	2,611.5
Others	17.5	14.4	22.3	23.0	17.6	27.8	29.3

Source : Agency for Science, Technology and Research

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

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

8.7 R&D OUTPUT

Number

	2011	2012	2013	2014	2015	2016	2017
Patents Owned[1]	4,763	5,048	5,275	6,579	8,575	11,534	9,784
Public Sector	1,208	1,251	1,295	1,356	1,463	1,612	1,679
Private Sector	3,555	3,797	3,980	5,223	7,112	9,922	8,105
Patents Applied	1,913	1,722	2,144	1,965	2,090	1,997	2,852
Public Sector	608	698	821	834	857	912	682
Private Sector	1,305	1,024	1,323	1,131	1,233	1,085	2,170
Patents Awarded	855	817	934	911	988	988	1,290
Public Sector	176	155	217	204	254	267	272
Private Sector	679	662	717	707	734	721	1,018

Source : Agency for Science, Technology and Research

1 As at end of period.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14634

9

The Corporate Sector

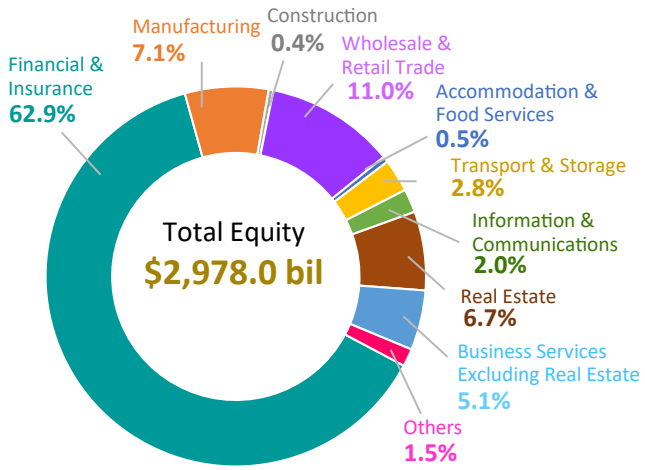
9 The Corporate Sector

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), 2017



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 "Singapore's Corporate Sector" report, 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	2011	2012	2013	2014	2015	2016	2017
Total	1,340.4	1,541.0	1,845.1	2,227.1	2,472.8	2,591.6	2,978.0
Financial & Insurance	705.0	856.3	1,079.7	1,322.4	1,428.1	1,523.2	1,872.7
Non-Financial & Insurance	635.4	684.7	765.4	904.7	1,044.7	1,068.4	1,105.3
Manufacturing	158.4	146.5	168.1	165.6	199.6	199.5	212.4
Construction	8.9	9.3	10.7	12.2	11.5	11.9	12.7
Wholesale & Retail Trade	159.3	186.0	200.9	264.0	307.3	326.9	327.1
Accommodation & Food Services	8.2	10.1	10.6	12.5	13.5	13.7	15.2
Transport & Storage	69.6	75.5	87.3	88.3	89.7	85.7	83.7
Information & Communications	19.5	27.2	32.9	39.7	45.6	46.9	58.1
Real Estate	124.2	135.4	146.8	178.6	188.9	192.5	199.7
Business Services Excluding Real Estate	57.7	63.7	72.8	105.0	147.2	148.7	152.4
Others	29.6	30.8	35.2	38.7	41.4	42.6	44.0

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9.2 TOTAL ASSETS BY INDUSTRY

(End of Period)

Billion Dollars

Industry	2011	2012	2013	2014	2015	2016	2017
Total	4,888.2	5,305.6	5,993.6	6,729.9	7,216.3	7,501.1	8,329.3
Financial & Insurance	3,304.6	3,605.6	4,098.2	4,617.0	4,923.6	5,116.3	5,804.1
Non-Financial & Insurance	1,583.6	1,700.0	1,895.4	2,112.9	2,292.7	2,384.8	2,525.2
Manufacturing	299.7	286.3	305.9	306.6	340.5	356.7	400.6
Construction	33.0	34.1	36.1	34.6	36.6	37.9	39.1
Wholesale & Retail Trade	498.9	577.7	668.8	712.0	754.6	830.0	860.9
Accommodation & Food Services	18.7	20.2	21.5	26.5	29.4	31.2	34.6
Transport & Storage	172.6	182.8	201.9	242.1	253.8	245.1	245.1
Information & Communications	62.1	68.8	74.4	86.4	98.2	106.5	124.1
Real Estate	275.0	293.0	315.5	385.8	403.5	397.0	413.0
Business Services Excluding Real Estate	136.7	134.3	164.4	212.0	263.2	267.3	293.8
Others	86.9	102.8	106.8	107.0	113.0	113.2	114.0

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9.3 RETURNS ON EQUITY BY INDUSTRY

(End of Period)

Per Cent

Industry	2011	2012	2013	2014	2015	2016	2017
Total	13.3	14.5	11.8	11.5	9.3	10.0	10.9
Financial & Insurance	8.9	10.8	8.7	8.8	6.2	8.9	8.7
Non-Financial & Insurance	18.6	18.8	16.0	15.4	13.7	11.6	14.3
Manufacturing	20.6	25.0	19.8	24.4	20.3	22.7	24.0
Construction	35.3	25.3	16.0	12.2	10.0	7.3	8.2
Wholesale & Retail Trade	23.9	21.7	20.3	17.5	15.5	13.2	14.7
Accommodation & Food Services	17.0	11.6	11.0	16.3	10.9	7.3	9.9
Transport & Storage	4.4	5.0	5.8	6.4	9.6	-0.2	8.1
Information & Communications	32.9	47.6	17.4	18.2	12.5	4.5	13.7
Real Estate	17.6	15.2	15.1	12.2	9.3	7.6	8.4
Business Services Excluding Real Estate	12.2	9.6	9.8	7.3	9.4	8.3	12.9
Others	18.5	15.5	14.7	15.3	16.6	10.7	13.3

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

9.4 RETURNS ON ASSETS BY INDUSTRY

(End of Period)

Per Cent

Industry	2011	2012	2013	2014	2015	2016	2017
Total	4.3	4.6	4.0	4.2	3.7	4.0	4.5
Financial & Insurance	2.6	3.0	2.7	2.9	2.3	3.1	3.3
Non-Financial & Insurance	8.0	8.0	7.0	7.0	6.6	5.8	6.9
Manufacturing	11.0	13.3	10.8	13.6	11.7	13.4	13.5
Construction	9.8	7.2	4.9	4.3	3.7	2.7	3.0
Wholesale & Retail Trade	7.8	7.4	6.9	6.5	6.6	5.8	6.2
Accommodation & Food Services	8.3	6.0	5.9	8.4	5.6	4.0	5.1
Transport & Storage	2.4	2.6	3.2	3.2	4.2	0.7	3.6
Information & Communications	12.1	17.7	7.9	8.7	6.4	2.6	6.7
Real Estate	8.5	7.6	7.7	6.2	4.9	4.2	4.7
Business Services Excluding Real Estate	5.6	4.7	4.9	4.0	5.5	5.2	7.4
Others	7.0	5.9	5.4	6.2	7.2	5.2	6.3

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

9.5 EQUITY RATIOS OF COMPANIES BY INDUSTRY

(End of Period)

Ratio

Industry	2011	2012	2013	2014	2015	2016	2017
Total	0.27	0.29	0.31	0.33	0.34	0.35	0.36
Financial & Insurance	0.21	0.24	0.26	0.29	0.29	0.30	0.32
Non-Financial & Insurance	0.40	0.40	0.40	0.43	0.46	0.45	0.44
Manufacturing	0.53	0.51	0.55	0.54	0.59	0.56	0.53
Construction	0.27	0.27	0.30	0.35	0.31	0.31	0.32
Wholesale & Retail Trade	0.32	0.32	0.30	0.37	0.41	0.39	0.38
Accommodation & Food Services	0.44	0.50	0.49	0.47	0.46	0.44	0.44
Transport & Storage	0.40	0.41	0.43	0.36	0.35	0.35	0.34
Information & Communications	0.31	0.40	0.44	0.46	0.46	0.44	0.47
Real Estate	0.45	0.46	0.47	0.46	0.47	0.48	0.48
Business Services Excluding Real Estate	0.42	0.47	0.44	0.50	0.56	0.56	0.52
Others	0.34	0.30	0.33	0.36	0.37	0.38	0.39

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

9.6 CURRENT RATIOS OF COMPANIES BY INDUSTRY

(End of Period)

Ratio

Industry	2011	2012	2013	2014	2015	2016	2017
Total	1.04	1.06	1.06	1.15	1.13	1.13	1.13
Financial & Insurance	0.96	0.98	0.98	1.10	1.07	1.07	1.07
Non-Financial & Insurance	1.28	1.29	1.29	1.31	1.31	1.31	1.31
Manufacturing	1.68	1.66	1.85	1.69	1.89	1.75	1.65
Construction	1.15	1.18	1.21	1.33	1.26	1.24	1.23
Wholesale & Retail Trade	1.26	1.27	1.24	1.30	1.30	1.30	1.34
Accommodation & Food Services	0.65	0.86	0.95	1.07	0.87	0.73	0.76
Transport & Storage	0.99	1.05	1.07	0.88	0.76	0.82	0.82
Information & Communications	1.02	0.96	1.06	1.07	1.15	1.03	1.06
Real Estate	1.36	1.69	1.51	1.63	1.43	1.46	1.36
Business Services Excluding Real Estate	1.20	1.18	1.14	1.20	1.37	1.40	1.33
Others	1.16	0.87	0.98	1.10	1.16	1.20	1.06

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

Formation and Cessation of Business Entities

10 Formation and Cessation of Business Entities

Coverage and Sources of Data

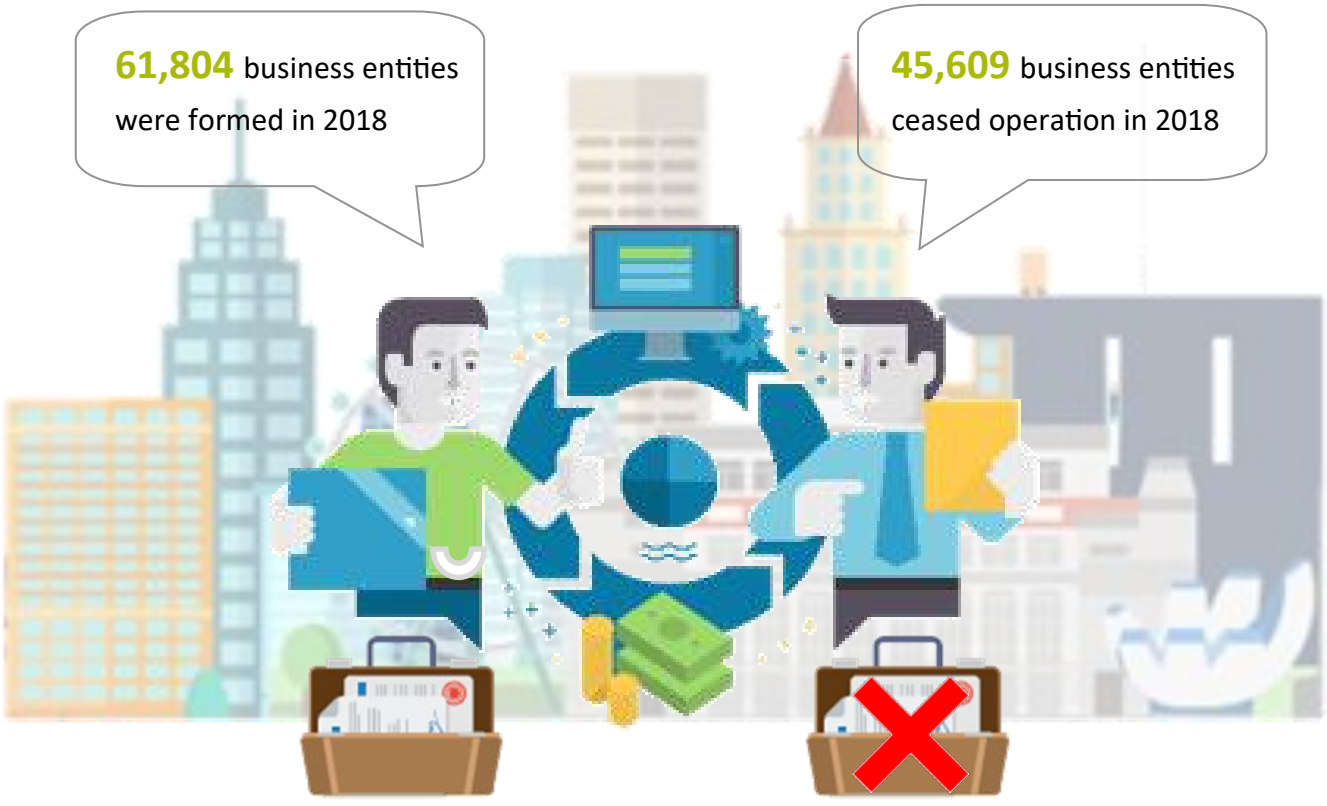
Data on business entities are primarily sourced from the registration records of the Accounting and Corporate Regulatory Authority (ACRA).

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

	2012	2013	2014	2015	2016	2017	2018
Total	56,749	60,201	77,380	64,903	64,933	62,113	61,804
Companies	31,741	34,976	38,484	34,241	35,225	37,394	43,240
Sole-proprietorships & Partnerships	22,727	22,835	35,676	28,479	27,120	22,148	16,366
Limited Liability Partnerships	2,211	2,312	3,104	2,100	2,431	2,373	2,058
Limited Partnerships	53	56	98	66	142	189	131
Public Accounting Firms	17	22	18	17	15	9	9

Source : Accounting and Corporate Regulatory Authority (ACRA)

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

10.2 CESSATION OF ALL BUSINESS ENTITIES BY TYPE

Number

	2012	2013	2014	2015	2016	2017	2018
Total	42,414	41,775	42,648	52,150	60,739	48,294	45,609
Companies	18,938	18,134	19,303	21,473	23,204	22,389	24,046
Sole-proprietorships & Partnerships	22,413	22,578	22,138	29,364	35,826	24,114	19,966
Limited Liability Partnerships	1,014	1,011	1,150	1,240	1,612	1,733	1,446
Limited Partnerships	33	32	39	54	72	37	136
Public Accounting Firms	16	20	18	19	25	21	15

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.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15117

10.3 FORMATION OF ALL BUSINESS ENTITIES BY INDUSTRY

Number

	2012	2013	2014	2015	2016	2017	2018
Total	56,749	60,201	77,380	64,903	64,933	62,113	61,804
Manufacturing	2,214	2,389	2,666	2,247	2,079	2,013	1,922
Construction	3,305	3,438	3,603	3,268	3,031	2,848	2,713
Wholesale Trade	10,192	10,472	12,868	9,695	9,388	9,786	10,166
Retail Trade	6,047	6,571	12,037	6,529	5,827	5,418	5,216
Transportation & Storage	2,280	2,486	3,381	8,673	11,472	7,739	3,014
Accommodation	130	120	91	91	83	95	103
Food & Beverage Service Activities	2,905	2,879	3,367	3,034	2,968	3,298	3,341
Information & Communications	4,097	4,968	7,095	5,342	5,209	5,425	8,130
Financial & Insurance Activities	5,331	5,309	4,923	4,749	4,526	5,015	5,866
Real Estate Activities	1,019	934	665	633	598	747	692
Professional, Scientific & Technical Activities	9,007	9,902	12,443	9,862	9,347	9,719	10,725
Administrative & Support Service Activities	3,154	3,274	4,399	3,243	3,146	2,828	2,798
Education, Health & Social Services	3,318	3,716	4,564	3,678	3,325	3,504	3,400
Arts, Entertainment, Recreation & Other Service Activities	3,377	3,406	4,870	3,500	3,479	3,324	3,353
Others	373	337	408	359	455	354	365

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).
Business entities refer to companies, sole-proprietorships, partnerships, limited liability partnerships, limited partnerships and public accounting firms.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15951

10.4 CESSATION OF ALL BUSINESS ENTITIES BY INDUSTRY

Number

	2012	2013	2014	2015	2016	2017	2018
Total	42,414	41,775	42,648	52,150	60,739	48,294	45,609
Manufacturing	1,988	1,872	1,806	2,099	2,325	1,762	1,756
Construction	2,464	2,460	2,429	2,590	2,648	2,277	2,253
Wholesale Trade	8,941	8,560	8,468	9,861	10,768	8,011	7,909
Retail Trade	4,804	4,918	5,224	7,920	8,632	5,153	4,601
Transportation & Storage	1,770	1,848	1,786	2,345	5,522	7,101	6,087
Accommodation	60	83	78	48	83	66	69
Food & Beverage Service Activities	2,472	2,360	2,300	2,514	2,774	2,117	2,159
Information & Communications	2,722	2,621	3,000	3,858	4,642	3,530	3,452
Financial & Insurance Activities	2,679	2,691	2,836	3,038	3,315	3,040	3,139
Real Estate Activities	805	712	791	765	764	652	651
Professional, Scientific & Technical Activities	5,836	5,777	6,072	7,672	8,827	6,849	6,470
Administrative & Support Service Activities	2,526	2,514	2,474	2,994	3,185	2,296	2,187
Education, Health & Social Services	1,951	2,097	2,177	2,614	3,100	2,346	2,078
Arts, Entertainment, Recreation & Other Service Activities	3,177	3,026	2,965	3,553	3,840	2,820	2,540
Others	219	236	242	279	314	274	258

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).
Business entities refer to 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15945

10.5 FORMATION OF COMPANIES BY INDUSTRY

Number

	2012	2013	2014	2015	2016	2017	2018
Total	31,741	34,976	38,484	34,241	35,225	37,394	43,240
Manufacturing	1,297	1,432	1,449	1,373	1,277	1,252	1,251
Construction	1,879	2,069	2,205	2,074	1,977	1,833	1,834
Wholesale Trade	6,632	7,000	7,640	6,613	6,778	7,244	7,852
Retail Trade	1,651	1,918	2,662	2,057	2,184	2,177	2,266
Transportation & Storage	1,187	1,400	1,433	1,316	1,276	1,396	1,478
Accommodation	81	81	57	61	57	60	77
Food & Beverage Service Activities	1,491	1,523	1,660	1,605	1,760	1,967	2,106
Information & Communications	2,529	3,153	4,086	3,608	3,901	4,193	7,192
Financial & Insurance Activities	4,883	4,869	4,484	4,418	4,265	4,719	5,522
Real Estate Activities	808	741	497	470	502	653	619
Professional, Scientific & Technical Activities	5,067	6,025	6,686	5,759	6,070	6,596	7,684
Administrative & Support Service Activities	1,559	1,758	1,906	1,665	1,773	1,673	1,668
Education, Health & Social Services	1,514	1,719	2,062	1,812	1,764	2,003	1,974
Arts, Entertainment, Recreation & Other Service Activities	901	1,053	1,396	1,181	1,326	1,346	1,414
Others	262	235	261	229	315	282	303

Source : Accounting and Corporate Regulatory Authority (ACRA)

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

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10.6 CESSATION OF COMPANIES BY INDUSTRY

Number

	2012	2013	2014	2015	2016	2017	2018
Total	18,938	18,134	19,303	21,473	23,204	22,389	24,046
Manufacturing	917	839	841	907	952	880	982
Construction	940	940	956	965	1,028	1,030	1,186
Wholesale Trade	5,015	4,666	4,808	5,253	5,590	5,026	5,387
Retail Trade	931	924	1,011	1,217	1,464	1,407	1,493
Transportation & Storage	820	776	766	810	896	930	943
Accommodation	32	48	39	22	40	30	51
Food & Beverage Service Activities	908	894	942	1,016	1,019	1,038	1,085
Information & Communications	1,454	1,279	1,475	1,859	2,186	2,186	2,416
Financial & Insurance Activities	2,261	2,324	2,499	2,664	2,899	2,796	2,938
Real Estate Activities	490	471	543	516	526	482	514
Professional, Scientific & Technical Activities	2,604	2,543	2,742	3,347	3,669	3,692	3,918
Administrative & Support Service Activities	1,028	930	1,012	1,119	1,119	1,029	1,169
Education, Health & Social Services	622	663	722	827	891	967	985
Arts, Entertainment, Recreation & Other Service Activities	797	695	801	774	742	720	791
Others	119	142	146	177	183	176	188

Source : Accounting and Corporate Regulatory Authority (ACRA)

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

	2012	2013	2014	2015	2016	2017	2018
Total	22,727	22,835	35,676	28,479	27,120	22,148	16,366
Manufacturing	856	896	1,133	814	731	690	604
Construction	1,358	1,306	1,344	1,136	987	933	831
Wholesale Trade	3,258	3,150	4,866	2,846	2,291	2,227	2,055
Retail Trade	4,029	4,296	8,774	4,157	3,258	2,858	2,618
Transportation & Storage	1,045	1,032	1,853	7,279	10,102	6,235	1,473
Accommodation	44	32	31	24	20	31	22
Food & Beverage Service Activities	1,285	1,221	1,551	1,307	1,026	1,138	1,092
Information & Communications	1,338	1,560	2,696	1,519	1,065	1,029	761
Financial & Insurance Activities	353	304	332	258	169	203	238
Real Estate Activities	156	146	131	110	73	75	53
Professional, Scientific & Technical Activities	3,528	3,455	5,182	3,674	2,805	2,648	2,616
Administrative & Support Service Activities	1,442	1,362	2,215	1,425	1,196	997	1,003
Education, Health & Social Services	1,610	1,768	2,174	1,649	1,308	1,253	1,168
Arts, Entertainment, Recreation & Other Service Activities	2,323	2,212	3,256	2,159	1,967	1,764	1,781
Others	102	95	138	122	122	67	51

Source : Accounting and Corporate Regulatory Authority (ACRA)

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

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10.8 CESSATION OF SOLE-PROPRIETORSHIPS & PARTNERSHIPS BY INDUSTRY

Number

	2012	2013	2014	2015	2016	2017	2018
Total	22,413	22,578	22,138	29,364	35,826	24,114	19,966
Manufacturing	1,042	1,009	941	1,153	1,326	838	731
Construction	1,498	1,475	1,453	1,595	1,569	1,212	1,022
Wholesale Trade	3,751	3,736	3,499	4,434	4,955	2,763	2,308
Retail Trade	3,707	3,839	4,039	6,486	6,885	3,454	2,883
Transportation & Storage	930	1,053	1,001	1,502	4,579	6,135	5,076
Accommodation	28	30	35	25	38	30	15
Food & Beverage Service Activities	1,476	1,389	1,275	1,416	1,680	971	952
Information & Communications	1,166	1,220	1,380	1,867	2,260	1,151	881
Financial & Insurance Activities	378	338	281	319	354	188	153
Real Estate Activities	307	228	229	231	218	142	123
Professional, Scientific & Technical Activities	3,062	3,054	3,123	4,083	4,844	2,822	2,271
Administrative & Support Service Activities	1,413	1,517	1,371	1,780	1,921	1,141	905
Education, Health & Social Services	1,253	1,344	1,340	1,692	2,081	1,195	969
Arts, Entertainment, Recreation & Other Service Activities	2,311	2,255	2,080	2,683	2,989	1,983	1,613
Others	91	91	91	98	127	89	64

Source : Accounting and Corporate Regulatory Authority (ACRA)

Notes : The industries are classified according to the Singapore Standard Industrial Classification 2015 (Version 2018).
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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Agriculture, Animal Production and Fisheries

11 Agriculture, Animal Production and Fisheries

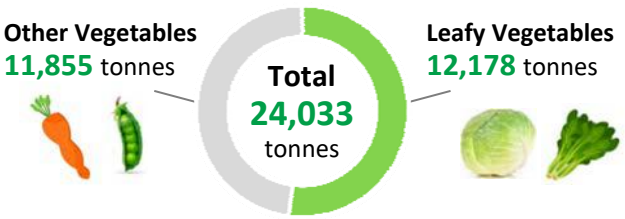
General

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, 2018



A number of farms and nurseries grow orchids, ornamental and foliage plants (such as 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.

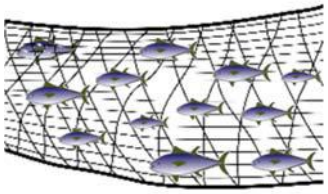
Local Orchid Production, 2017

5 mil
stalks

Fisheries

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

Local Fish Production, 2018



5,915
tonnes

The Jurong Fishery Port (JFP) is a major seafood landing and distribution point in Singapore. JFP handled about 44,200 tonnes of seafood in 2018, 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 5,700 tonnes of seafood in 2018. There are 139 seafood processing establishments licensed to manufacture fishery products in Singapore. Three processing establishments and one cold store export seafood products to the EU countries.

There are 111 coastal and deep sea fish farms covering 98.5 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	2012	2013	2014	2015	2016	2017	2018
Seafood [1]	Tonnes	5,547	6,775	6,379	7,699	6,822	6,498	6,528
Fish	Tonnes	5,127	5,864	5,639	6,540	6,086	5,916	5,915
Other Seafood (crustaceans and molluscus)	Tonnes	420	911	740	1,159	736	582	613
Local Landings of Seafood	Tonnes	1,970	1,644	1,434	1,268	1,235	1,108	1,310
Vegetables	Tonnes	21,405	21,785	22,720	23,039	22,458	22,620	24,033
Leafy Vegetables	Tonnes	10,227	10,308	10,848	11,420	11,335	11,778	12,178
Other Vegetables	Tonnes	11,178	11,476	11,872	11,619	11,123	10,842	11,855
Hen Eggs	Million Pieces	402	438	433	421	452	521	488
Aquarium Fish	Million Pieces	106	114	109	77	77	73	78
Orchids	Million Stalks	10	9	10	8	6	5	na
Ornamental Plants [2]	Million Plants	38	12	22	21	17	16	na

Source : Agri-Food & Veterinary Authority (AVA)
Singapore Food Agency (SFA)
National Parks Board (NParks)

Notes : From 1 April 2019, SFA took over food-related functions previously carried out by AVA.
From 1 April 2019, NParks took over non-food, plant and animal related functions previously carried out by AVA.

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14610

11.2 LIVESTOCK SLAUGHTERED

Thousand

	2012	2013	2014	2015	2016	2017	2018
Poultry	51,995	53,048	52,238	53,610	54,309	53,500	56,829
Chickens	46,099	47,036	46,154	48,008	48,820	48,323	51,400
Ducks	5,896	6,012	6,084	5,601	5,489	5,177	5,429
Pigs	324	330	336	334	333	323	306

Source : Agri-Food & Veterinary Authority (AVA)
Singapore Food Agency (SFA)

Notes : From 1 April 2019, SFA took over food-related functions previously carried out by AVA.

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

11.3 SEAFOOD SUPPLY AND WHOLESALE

Tonnes

	2012	2013	2014	2015	2016	2017	2018
Seafood Supply							
Local Production [1]	5,547	6,775	6,379	7,699	6,822	6,498	6,528
Imports [2]	123,982	122,814	119,858	121,577	116,863	116,351	121,206
Exports [2]	28,830	25,364	16,593	22,827	19,458	17,544	18,321
Seafood Wholesale [3]	61,405	59,094	54,000	49,436	47,092	45,412	41,356

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

Notes : From 1 April 2019, SFA took over food-related functions previously carried out by AVA.
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 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.

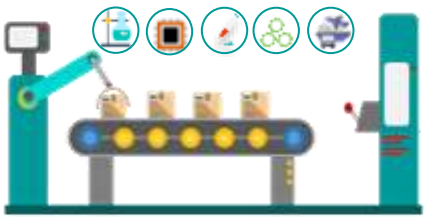
Workers: Refer to all persons engaged in the industrial activity of the establishment, that is, all employees, the self-employed and their relatives. Data generally refer to employment as at 30 June, except where establishments commence operation after June.

380,500 Persons Employed in the Manufacturing sector in 2018

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 2018 was

S$361.4 bil

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 2018 amounted to

S$99.9 bil

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.

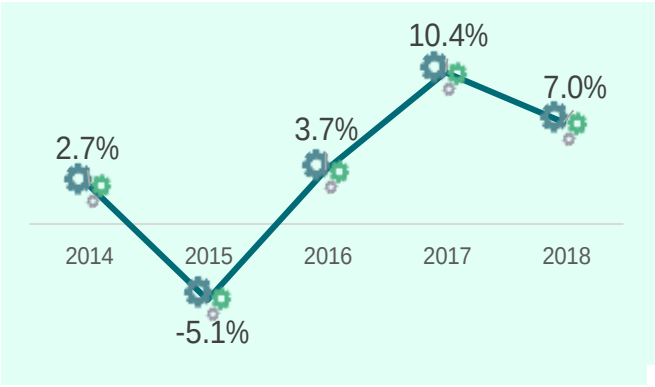
Gross Value of Fixed Assets: Refers to the accumulated cost of acquiring the fixed assets.

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	2012	2013	2014	2015	2016	2017	2018
Establishments	No.	9,577	9,303	9,106	8,778	8,988	9,096	na
Workers	No.	424,622	424,505	416,406	403,286	384,726	381,128	380,543
Materials	$m	168,685	163,561	167,343	145,057	129,440	154,772	171,694
Remuneration	$m	19,694	20,722	21,806	21,678	20,996	21,405	21,760
Other Operating Cost	$m	70,676	76,021	75,551	70,632	74,050	88,284	na
Manufacturing Output	$m	288,279	285,431	291,424	271,120	259,496	305,742	342,091
Total Output [1]	$m	301,551	299,624	306,642	284,691	273,533	322,118	361,360
Value Added	$m	62,189	60,042	63,748	69,001	70,044	79,061	99,928
Net Operating Surplus	$m	34,475	31,486	33,800	38,213	39,365	48,750	na
Direct Exports	$m	192,261	189,935	189,639	183,295	178,613	213,656	na
Net Fixed Assets	$m	58,930	64,107	67,987	66,538	68,633	72,987	na
Gross Fixed Assets	$m	140,440	150,830	164,168	172,563	179,132	188,730	na

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
Year 2018 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12453

12.2 SELECTED AVERAGES AND RATIOS IN THE MANUFACTURING SECTOR

	Unit	2012	2013	2014	2015	2016	2017	2018
Remuneration Per Worker	$'000	46.4	48.8	52.4	53.8	54.6	56.2	57.2
Manufacturing Output Per Worker	$'000	678.9	672.4	699.9	672.3	674.5	802.2	899.0
Value Added Per Worker	$'000	146.5	141.4	153.1	171.1	182.1	207.4	262.6
Net Fixed Assets Per Worker	$'000	138.8	151.0	163.3	165.0	178.4	191.5	na
Remuneration to Total Output	%	6.5	6.9	7.1	7.6	7.7	6.6	6.0
Remuneration to Value Added	%	31.7	34.5	34.2	31.4	30.0	27.1	21.8
Value Added to Total Output	%	20.6	20.0	20.8	24.2	25.6	24.5	27.7
Direct Exports to Manufacturing Output	%	66.7	66.5	65.1	67.6	68.8	69.9	na
Direct Exports to Total Sales	%	67.0	66.4	65.0	67.4	68.9	70.0	na

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
Year 2018 data are preliminary estimates.
The values of fixed assets are at end of year.

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

12.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY

Number

Code	Industry	2011	2012	2013	2014	2015	2016	2017
10/11/12	Food, Beverages & Tobacco	819	864	848	865	847	948	942
13	Textiles	93	99	99	90	89	100	109
14	Wearing Apparel	446	446	412	384	362	394	400
15	Leather, Leather Products & Footwear	25	27	23	20	18	15	22
16	Wood & Wood Products	111	145	147	143	135	147	172
17	Paper & Paper Products	100	105	101	99	91	88	94
18	Printing & Reproduction of Recorded Media	815	952	927	911	882	874	852
19	Refined Petroleum Products	14	14	14	16	17	17	18
20	Chemicals & Chemical Products	278	298	284	273	264	282	279
21	Pharmaceuticals & Biological Products	44	50	49	50	51	53	54
22	Rubber & Plastic Products	341	327	305	298	283	279	280
23	Non-metallic Mineral Products	146	145	141	134	131	130	137
24	Basic Metals	30	34	33	36	36	36	38
25	Fabricated Metal Products	1,273	1,357	1,323	1,291	1,252	1,246	1,221
26	Computer, Electronic & Optical Products	290	326	327	317	313	322	335
27	Electrical Equipment	248	258	261	247	230	235	242
28	Machinery & Equipment	1,699	1,768	1,724	1,684	1,623	1,659	1,733
29	Motor Vehicles, Trailers & Semi-Trailers	73	75	70	65	65	67	89
30	Other Transport Equipment	1,006	1,112	1,073	1,058	1,002	981	931
31	Furniture	653	655	638	624	608	604	626
32	Other Manufacturing Industries	504	520	504	501	479	511	522
	Total Manufacturing	9,008	9,577	9,303	9,106	8,778	8,988	9,096

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12406

12.4 MANUFACTURING OUTPUT IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	2012	2013	2014	2015	2016	2017	2018
10/11/12	Food, Beverages & Tobacco	9,327.9	9,268.7	9,607.4	9,964.1	9,474.1	9,872.3	9,851.6
13	Textiles	56.9	59.0	47.8	49.4	55.6	66.3	64.0
14	Wearing Apparel	539.1	443.1	313.5	220.7	191.1	196.7	200.4
15	Leather, Leather Products & Footwear	152.7	164.4	157.0	164.9	147.8	141.2	148.8
16	Wood & Wood Products	295.5	305.0	317.2	295.1	297.8	297.9	291.7
17	Paper & Paper Products	1,013.4	1,060.3	1,074.5	1,053.4	1,020.6	989.8	1,063.8
18	Printing & Reproduction of Recorded Media	2,395.2	2,276.4	2,295.8	2,154.3	1,863.0	1,732.4	1,607.2
19	Refined Petroleum Products	56,882.4	50,505.6	45,549.2	32,233.9	26,793.8	35,725.1	44,736.0
20	Chemicals & Chemical Products	39,633.5	47,422.5	53,176.2	42,821.6	39,109.6	45,481.7	52,155.9
21	Pharmaceuticals & Biological Products	23,288.1	16,066.1	15,821.1	15,984.2	16,839.9	15,739.4	19,013.3
22	Rubber & Plastic Products	1,901.1	1,847.2	1,825.9	1,699.7	1,699.2	1,742.5	1,794.8
23	Non-metallic Mineral Products	2,355.3	2,485.4	2,045.7	1,970.2	1,636.7	1,505.3	1,459.8
24	Basic Metals	1,230.8	1,025.6	1,372.3	1,138.4	1,091.9	1,110.9	1,213.0
25	Fabricated Metal Products	9,511.6	9,325.8	9,357.5	8,624.3	8,032.4	7,889.3	8,058.9
26	Computer, Electronic & Optical Products	86,922.5	88,991.3	84,381.2	94,455.9	96,332.5	123,726.0	137,682.5
27	Electrical Equipment	2,438.3	2,436.0	2,600.9	2,573.3	2,761.2	3,070.6	3,383.8
28	Machinery & Equipment	26,446.3	26,847.7	30,920.6	27,243.7	22,458.3	26,121.0	29,284.5
29	Motor Vehicles, Trailers & Semi-Trailers	786.8	996.1	1,053.6	1,158.7	1,219.5	1,419.4	1,425.6
30	Other Transport Equipment	16,206.7	16,548.1	16,484.2	15,534.0	15,741.5	15,360.4	14,392.0
31	Furniture	885.5	960.7	897.5	876.8	811.5	872.9	750.0
32	Other Manufacturing Industries	6,009.7	6,396.4	12,124.3	10,903.6	11,917.9	12,680.7	13,513.5
	Total Manufacturing	288,279.2	285,431.3	291,423.6	271,120.1	259,495.9	305,741.7	342,091.1

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2018 data are preliminary estimates.

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

12.5 TOTAL OUTPUT [1] IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	2012	2013	2014	2015	2016	2017	2018
10/11/12	Food, Beverages & Tobacco	9,817.9	9,811.0	10,352.0	10,598.5	10,149.9	10,469.9	10,398.8
13	Textiles	59.4	61.6	50.4	53.5	59.0	69.9	67.7
14	Wearing Apparel	573.9	478.1	353.7	259.1	226.9	251.8	256.6
15	Leather, Leather Products & Footwear	157.9	171.1	159.2	167.1	149.9	142.4	150.0
16	Wood & Wood Products	339.1	349.4	367.4	348.9	349.2	343.5	333.6
17	Paper & Paper Products	1,041.5	1,103.8	1,143.1	1,123.8	1,086.1	1,038.2	1,109.5
18	Printing & Reproduction of Recorded Media	2,467.4	2,352.4	2,376.6	2,251.2	1,945.6	1,796.1	1,666.7
19	Refined Petroleum Products	57,229.4	51,027.0	46,359.5	32,482.8	26,987.2	35,926.8	44,966.3
20	Chemicals & Chemical Products	41,121.1	50,019.7	55,340.4	44,916.5	41,209.9	47,943.8	54,849.6
21	Pharmaceuticals & Biological Products	25,121.1	16,920.2	16,891.3	16,721.2	17,744.8	17,109.0	21,155.1
22	Rubber & Plastic Products	2,061.8	2,020.2	2,011.2	1,857.1	1,854.9	1,905.8	1,958.9
23	Non-metallic Mineral Products	2,500.9	2,630.6	2,168.2	2,121.4	1,741.0	1,561.7	1,515.0
24	Basic Metals	1,255.2	1,044.9	1,387.4	1,161.5	1,108.4	1,128.8	1,233.2
25	Fabricated Metal Products	9,822.9	9,639.6	9,653.7	8,920.4	8,307.3	8,153.2	8,329.3
26	Computer, Electronic & Optical Products	91,861.8	93,938.2	89,463.6	98,625.4	99,797.9	128,145.5	142,723.0
27	Electrical Equipment	2,661.5	2,666.4	2,768.5	2,712.9	2,895.3	3,202.3	3,499.9
28	Machinery & Equipment	28,403.5	28,987.1	33,905.2	30,561.1	27,020.9	31,388.8	35,838.7
29	Motor Vehicles, Trailers & Semi-Trailers	808.6	1,021.7	1,089.2	1,178.6	1,237.8	1,432.5	1,438.5
30	Other Transport Equipment	17,135.8	17,557.3	17,554.6	16,637.2	16,724.1	16,304.4	15,286.8
31	Furniture	1,010.6	1,300.5	968.9	917.4	856.6	912.5	793.1
32	Other Manufacturing Industries	6,099.4	6,522.9	12,277.8	11,075.6	12,080.5	12,890.8	13,789.7
	Total Manufacturing	301,550.7	299,623.8	306,641.8	284,691.2	273,533.2	322,117.7	361,359.9

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2018 data are preliminary estimates.

1 Refers to manufacturing output and other operating income.

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

12.6 VALUE ADDED OF MANUFACTURING ESTABLISHMENTS BY INDUSTRY

Million Dollars

Code	Industry	2012	2013	2014	2015	2016	2017	2018
10/11/12	Food, Beverages & Tobacco	2,946.0	2,877.5	3,413.6	3,763.0	3,780.2	3,987.3	3,824.2
13	Textiles	21.6	21.4	17.7	21.1	23.3	26.6	25.9
14	Wearing Apparel	124.7	109.8	93.3	91.8	80.7	96.7	102.4
15	Leather, Leather Products & Footwear	57.0	70.3	64.1	62.5	58.7	44.9	46.0
16	Wood & Wood Products	120.9	123.5	132.8	130.2	132.9	145.9	143.4
17	Paper & Paper Products	219.2	242.0	251.7	238.6	232.1	240.6	244.1
18	Printing & Reproduction of Recorded Media	1,236.2	1,196.2	1,207.0	1,133.2	1,000.1	902.9	823.8
19	Refined Petroleum Products	725.9	57.1	32.6	2,412.0	2,034.3	1,874.1	1,343.3
20	Chemicals & Chemical Products	3,298.7	5,200.6	5,620.5	7,992.9	12,391.5	12,191.2	11,621.0
21	Pharmaceuticals & Biological Products	14,235.5	9,031.9	9,506.2	10,417.2	11,051.7	9,442.7	12,521.3
22	Rubber & Plastic Products	688.7	701.4	720.4	708.3	727.2	744.1	746.6
23	Non-metallic Mineral Products	584.3	539.2	434.1	391.2	354.0	268.6	250.0
24	Basic Metals	214.9	157.7	126.9	163.3	178.2	180.6	178.6
25	Fabricated Metal Products	2,763.3	2,799.3	2,776.0	2,665.0	2,582.8	2,454.6	2,443.4
26	Computer, Electronic & Optical Products	18,909.8	19,394.5	20,001.3	21,218.2	17,850.7	27,615.9	44,007.5
27	Electrical Equipment	756.1	826.5	806.5	813.8	855.2	888.5	896.3
28	Machinery & Equipment	6,688.9	7,296.5	8,623.1	7,226.8	6,571.9	7,364.6	9,181.3
29	Motor Vehicles, Trailers & Semi-Trailers	206.9	347.3	356.0	351.6	397.5	492.8	474.8
30	Other Transport Equipment	5,929.1	6,268.8	6,386.3	5,892.3	5,627.6	5,617.8	5,852.7
31	Furniture	347.4	476.1	343.5	311.9	323.2	351.8	294.6
32	Other Manufacturing Industries	2,113.9	2,304.6	2,834.1	2,996.7	3,790.0	4,128.6	4,906.9
	Total Manufacturing	62,189.1	60,041.8	63,747.6	69,001.5	70,043.6	79,060.9	99,928.3

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2018 data are preliminary estimates.

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

12.7 WORKERS IN MANUFACTURING BY INDUSTRY

Number

Code	Industry	2012	2013	2014	2015	2016	2017	2018
10/11/12	Food, Beverages & Tobacco	28,950	29,350	30,105	30,550	29,627	31,222	30,827
13	Textiles	719	717	722	688	686	829	829
14	Wearing Apparel	3,188	2,950	2,203	2,106	1,985	2,206	2,217
15	Leather, Leather Products & Footwear	663	673	625	605	480	478	488
16	Wood & Wood Products	2,523	2,718	2,769	2,516	2,570	2,954	2,918
17	Paper & Paper Products	3,670	3,587	3,638	3,556	3,326	3,207	3,217
18	Printing & Reproduction of Recorded Media	15,821	15,440	15,740	15,388	13,831	13,165	12,445
19	Refined Petroleum Products	3,754	4,073	4,302	4,404	4,369	4,448	4,487
20	Chemicals & Chemical Products	17,510	18,607	18,536	18,217	18,101	18,537	18,337
21	Pharmaceuticals & Biological Products	5,142	5,339	6,096	6,624	6,943	7,715	7,917
22	Rubber & Plastic Products	12,350	11,751	11,249	10,494	9,859	10,135	10,730
23	Non-metallic Mineral Products	6,870	6,835	5,247	4,768	4,754	4,667	4,369
24	Basic Metals	2,631	2,642	2,618	2,644	2,199	2,072	1,825
25	Fabricated Metal Products	43,847	42,998	41,871	40,073	39,295	37,178	36,659
26	Computer, Electronic & Optical Products	91,398	87,062	82,494	81,637	79,660	82,153	83,073
27	Electrical Equipment	7,771	8,008	7,935	7,982	8,194	8,316	8,311
28	Machinery & Equipment	69,160	73,457	73,059	69,736	61,399	58,676	65,233
29	Motor Vehicles, Trailers & Semi-Trailers	2,799	2,786	2,876	2,848	2,865	3,068	3,129
30	Other Transport Equipment	82,281	80,055	78,803	73,330	68,426	63,063	56,733
31	Furniture	9,579	10,524	8,926	8,015	8,005	8,450	7,996
32	Other Manufacturing Industries	13,996	14,933	16,592	17,105	18,152	18,589	18,803
	Total Manufacturing	424,622	424,505	416,406	403,286	384,726	381,128	380,543

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2018 data are preliminary estimates.

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

12.8 REMUNERATION IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	2012	2013	2014	2015	2016	2017	2018
10/11/12	Food, Beverages & Tobacco	993.1	1,066.2	1,146.0	1,208.1	1,189.6	1,271.3	1,251.1
13	Textiles	16.6	15.9	19.9	16.5	15.8	20.9	20.7
14	Wearing Apparel	72.0	69.4	58.1	64.4	56.6	54.9	56.9
15	Leather, Leather Products & Footwear	25.4	29.7	27.8	28.1	24.7	24.6	25.6
16	Wood & Wood Products	75.9	79.7	81.5	80.6	83.5	83.9	82.7
17	Paper & Paper Products	155.6	159.0	167.1	167.0	160.8	152.9	154.8
18	Printing & Reproduction of Recorded Media	713.8	677.6	747.4	735.2	685.2	656.3	620.6
19	Refined Petroleum Products	579.6	580.8	800.3	866.4	752.2	766.0	791.8
20	Chemicals & Chemical Products	1,454.2	1,682.0	1,763.1	1,800.4	1,845.9	1,897.2	1,913.6
21	Pharmaceuticals & Biological Products	492.0	528.7	621.4	692.8	710.8	863.1	942.7
22	Rubber & Plastic Products	438.8	446.1	441.6	426.7	423.8	431.3	463.2
23	Non-metallic Mineral Products	236.5	245.4	195.4	184.8	173.2	169.2	162.9
24	Basic Metals	111.4	109.9	120.3	113.1	98.9	95.4	87.2
25	Fabricated Metal Products	1,564.4	1,625.9	1,640.7	1,581.9	1,575.8	1,508.6	1,514.7
26	Computer, Electronic & Optical Products	4,925.6	5,065.6	5,140.7	5,240.9	5,191.3	5,492.9	5,652.8
27	Electrical Equipment	379.0	400.9	414.3	408.7	426.9	454.1	459.6
28	Machinery & Equipment	3,341.5	3,628.0	3,986.5	3,842.0	3,308.4	3,266.4	3,496.0
29	Motor Vehicles, Trailers & Semi-Trailers	138.4	138.5	143.0	140.3	146.0	151.1	160.8
30	Other Transport Equipment	3,159.9	3,236.7	3,266.4	3,058.1	3,002.1	2,797.1	2,638.3
31	Furniture	247.2	306.2	252.2	220.6	233.6	263.6	237.9
32	Other Manufacturing Industries	573.2	629.3	772.5	801.2	890.4	984.2	1,025.8
	Total Manufacturing	19,694.2	20,721.7	21,805.9	21,678.0	20,995.5	21,404.9	21,759.7

Source : Economic Development Board

Notes : Data include all manufacturing establishments.
The industries are classified according to the Singapore Standard Industrial Classification 2015.
Year 2018 data are preliminary estimates.

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

12.9 INDEX OF INDUSTRIAL PRODUCTION

(2015 =100)

Code	Industry	2012	2013	2014	2015	2016	2017	2018
10/11/12	Food, Beverages & Tobacco	97.9	97.9	99.4	100.0	103.7	110.4	113.8
13	Textiles	140.1	119.5	102.7	100.0	92.4	84.9	78.2
14	Wearing Apparel	395.4	334.1	212.6	100.0	83.4	88.2	82.7
15	Leather Products	109.5	122.0	106.5	100.0	88.8	79.0	73.7
16	Wood & of Products of Wood & Cork	93.3	103.0	107.2	100.0	95.0	92.9	86.0
17	Paper & Paper Products	98.5	104.4	104.5	100.0	97.3	96.2	103.0
18	Printing & Reproduction of Recorded Media	122.8	113.8	106.0	100.0	85.1	73.1	66.7
19	Refined Petroleum Products	107.1	100.7	92.2	100.0	104.2	113.5	113.0
20	Chemicals & Chemical Products	85.3	88.4	96.7	100.0	98.9	105.3	110.6
21	Pharmaceuticals & Biological Products	103.8	101.4	109.4	100.0	113.8	97.5	105.1
22	Rubber & Plastic Products	113.5	109.5	109.2	100.0	91.4	93.7	92.2
23	Non-metallic Mineral Products	108.8	107.4	90.8	100.0	89.8	72.8	64.1
24	Basic Metals	91.5	77.2	99.3	100.0	106.2	108.3	94.8
25	Fabricated Metal Products	107.3	107.5	107.8	100.0	93.8	91.3	91.5
26	Computer, Electronic & Optical Products	100.7	105.0	105.6	100.0	114.1	151.7	164.1
27	Electrical Equipment	80.1	87.4	97.9	100.0	101.5	111.7	125.3
28	Machinery & Equipment	107.3	109.1	118.2	100.0	80.8	86.1	98.3
29	Motor Vehicles, Trailers & Semi-Trailers	69.2	85.0	91.1	100.0	105.3	125.3	121.0
30	Other Transport Equipment	109.9	111.1	106.7	100.0	101.0	99.3	102.3
31	Furniture	131.0	127.9	113.5	100.0	94.9	68.0	63.9
32	Other Manufacturing Industries	73.0	79.5	84.8	100.0	110.4	121.3	133.7
	Total Manufacturing	101.0	102.7	105.4	100.0	103.7	114.5	122.5

Source : Economic Development Board

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=13496

12.10 UNIT BUSINESS COST INDEX OF MANUFACTURING

(2015 = 100)

	2012	2013	2014	2015	2016	2017	2018
Unit Business Cost Index of Manufacturing	95.6	101.3	99.6	100.0	98.4	98.3	91.9
Unit Labour Cost	88.6	91.2	94.1	100.0	95.5	87.1	83.8
Unit Services Cost	98.3	105.2	101.6	100.0	99.5	102.6	95.0
Unit Non-Labour Production Taxes	86.2	94.0	103.3	100.0	96.7	89.2	82.9

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16080

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, 2018

Private Residential Properties [1]

13,121

Gross Floor Area ('000 m^2)

Office Space

318

Retail Space

66

[1] Exclude 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 the needs of residents. These include recreational and community facilities such as neighbourhood parks and children's playgrounds in its housing estates.

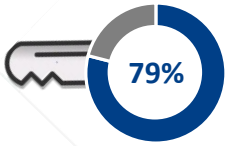
In 2018, 17,556 flats were completed, bringing the total number of flats built since HDB's inception to 1,182,002.

17,556 flats were constructed in 2018

Introduced in 1964, the Home Ownership for the People Scheme enables citizens to acquire homes through the purchase of HDB flats. In 2018, 22,106 flats were sold under this scheme.

22,106 flats were sold under the Home Ownership Scheme in 2018

In 2018, about 79 per cent of the resident population lived in Home Ownership flats.



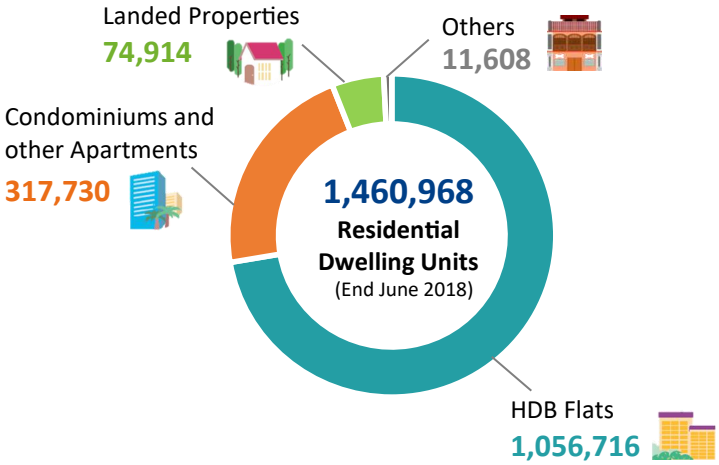
79% of the resident population lived in Home Ownership flats in 2018

Between 1989 and 2018, HDB sold 244 land parcels (308 hectares) for private residential development and 46 land parcels (51 hectares) for commercial development. A total of 70 Executive Condominium sites (142 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 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, 2018



13.1 AVAILABLE AND VACANT PRIVATE RESIDENTIAL PROPERTIES

(End of Period)

Number of Units

Type of Property	2012	2013	2014	2015	2016	2017	2018
All Types							
Available	277,620	289,370	308,814	327,448	348,080	364,295	369,991
Vacant	14,869	18,003	24,062	26,517	29,197	28,560	23,596
Landed							
Available	70,388	71,049	71,540	71,992	72,595	72,761	73,139
Vacant	2,285	2,439	2,406	2,553	3,008	3,190	3,317
Non-landed							
Available	207,232	218,321	237,274	255,456	275,485	291,534	296,852
Vacant	12,584	15,564	21,656	23,964	26,189	25,370	20,279

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 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

	2012	2013	2014	2015	2016	2017	2018
Landed Properties							
Total	3,860	3,477	2,909	2,292	1,352	1,234	1,000
Under Construction	2,316	1,922	1,832	1,480	1,075	901	662
Planned							
Written Permission	1,105	1,044	992	728	178	181	149
Provisional Permission	278	332	77	57	38	33	189
Others [1]	161	179	8	27	61	119	0
Non-Landed Properties							
Total	92,370	86,541	72,279	57,867	47,016	49,618	56,602
Under Construction	58,226	65,843	57,464	47,000	33,439	22,573	27,061
Planned							
Written Permission	13,755	9,070	6,047	2,930	3,546	3,560	9,397
Provisional Permission	10,795	5,491	2,548	3,443	2,637	8,781	14,040
Others [1]	9,594	6,137	6,220	4,494	7,394	14,704	6,104

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15150

13.3 APPROVAL, CONSTRUCTION COMMENCEMENT AND COMPLETION OF PRIVATE RESIDENTIAL PROPERTIES

Number of Units

	2012	2013	2014	2015	2016	2017	2018
Provisional Permission	23,642	13,897	5,668	6,262	6,532	11,761	25,692
Written Permission	18,441	18,034	8,454	5,438	7,452	5,103	20,227
Building Plan Approval	19,702	19,593	9,275	7,073	7,132	4,072	20,028
Building Commencement	21,395	20,357	11,571	8,082	6,918	5,397	13,121
Building Completion	10,329	13,150	19,941	18,971	20,803	16,449	9,112

Source : Urban Redevelopment Authority

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

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
Executive Condominiums							
Available	10,430	11,683	15,040	18,336	23,821	27,940	32,070
Vacant	42	1,107	1,734	1,540	3,364	3,080	1,983
Supply by Development Status							
Total	15,966	18,985	17,948	15,794	10,270	7,414	4,914
Under Construction	8,036	11,775	13,065	14,127	9,635	6,144	2,014
Planned							
Written Permission	1,747	0	0	0	0	0	0
Provisional Permission	418	2,265	1,155	0	0	0	820
Others [1]	5,765	4,945	3,728	1,667	635	1,270	2,080

Source : Urban Redevelopment Authority

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

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
	Private Sector						
Office Space							
Available	6,014	6,190	6,283	6,276	6,464	6,672	6,828
Vacant	619	666	704	634	783	917	900
Retail Space [1]							
Available	4,061	4,182	4,348	4,409	4,502	4,533	4,612
Vacant	239	209	283	358	382	368	441
Business Park Space							
Available	1,271	1,275	1,389	1,579	1,813	1,812	1,852
Vacant	277	228	262	258	339	259	286
Multiple-User Factory Space							
Available	7,650	7,963	8,459	8,860	8,991	9,270	9,538
Vacant	837	1,024	1,188	1,214	1,177	1,140	1,202
Single-User Factory Space							
Available	18,083	18,842	19,410	19,918	20,828	21,276	20,991
Vacant	955	1,173	1,455	1,621	2,009	2,205	1,815
Warehouse Space							
Available	7,328	7,643	8,317	8,789	9,418	10,381	10,451
Vacant	520	706	682	756	973	1,136	1,109

(continued on the next page)

Sources : Urban Redevelopment Authority
JTC Corporation (With effect from 2013, for data pertaining to Business Park, 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15146

13.5 AVAILABLE AND VACANT COMMERCIAL AND INDUSTRIAL PROPERTIES *(continued)*

(End of Period)

Thousand Square Metres Nett

	2012	2013	2014	2015	2016	2017	2018
	Public Sector						
Office Space							
Available	1,256	1,251	1,270	1,283	1,266	1,252	1,254
Vacant	63	67	69	83	78	78	81
Retail Space [1]							
Available	1,518	1,516	1,566	1,562	1,544	1,542	1,557
Vacant	39	45	61	73	72	80	82
Business Park Space							
Available	277	277	352	338	327	330	333
Vacant	18	19	90	47	25	29	44
Multiple-User Factory Space							
Available	1,369	1,394	1,428	1,477	1,582	1,809	1,788
Vacant	34	43	78	108	170	351	322
Single-User Factory Space							
Available	3,406	3,397	3,393	3,401	3,272	3,293	3,585
Vacant	102	135	154	176	179	213	417
Warehouse Space							
Available	47	93	95	97	52	52	228
Vacant	0	2	4	9	3	4	9

Sources : Urban Redevelopment Authority
JTC Corporation (With effect from 2013, for data pertaining to Business Park, 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 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

	2012	2013	2014	2015	2016	2017	2018
Office Space							
Total	1,276	1,123	1,056	1,049	887	785	857
Under Construction	970	800	814	715	617	501	632
Planned							
Written Permission	149	171	54	125	90	44	57
Provisional Permission	41	32	40	153	79	52	43
Others [1]	116	120	148	56	101	188	125
Retail Space [2]							
Total	980	1,002	852	834	616	555	453
Under Construction	707	660	510	610	482	449	312
Planned							
Written Permission	113	95	191	56	81	23	29
Provisional Permission	75	198	84	142	32	37	46
Others [1]	85	49	67	26	21	46	66
Business Park Space [3]							
Total	606	624	398	191	29	212	266
Under Construction	428	403	349	187	29	86	266
Planned [4]							
Written Permission	na	10	49	0	0	0	0
Provisional Permission	na	211	0	4	0	63	0
Others	na	0	0	0	0	63	0

(continued on the next page)

Sources : Urban Redevelopment Authority
JTC Corporation (With effect from 2013, for data pertaining to Business Park, 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".
3 Data refer to the total supply of industrial space under construction or planned for development.
Data cover the supply of industrial space from new development and redevelopment projects, which comprise: i. projects with Provisional Permission, Outline Provisional Permission and/or Written Permission; ii. developments submitted for planning approval and which are under consideration; iii. projects on awarded Government Land Sales (GLS) and Concept and Price Tender (CPT) sites for which plans have not been submitted for planning approval; and iv. planned projects in the GLS (which refer to sites on the GLS confirmed list and sites on the GLS reserve list that have been triggered) and CPT sites launched for tender.
4 Data breakdown by Written Permission, Provisional Permission and Others are available with effect from 2013.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15148

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

(Private and Public Sectors) *(continued)*

(End of Period)

Thousand Square Metres Gross

	2012	2013	2014	2015	2016	2017	2018
Multiple-User Factory Space [3]							
Total	na	2,230	1,938	1,951	1,497	1,337	1,700
Under Construction	1,275	1,262	1,218	1,360	1,281	957	922
Planned [4]							
Written Permission	na	95	92	15	19	100	355
Provisional Permission	na	234	186	522	129	280	336
Others	na	639	442	53	67	0	87
Single-User Factory Space [3]							
Total	na	2,299	2,294	2,106	1,724	1,523	2,215
Under Construction	1,697	1,599	1,507	1,505	1,071	949	1,515
Planned [4]							
Written Permission	na	426	320	318	323	279	232
Provisional Permission	na	239	267	123	177	114	413
Others	na	35	199	161	154	181	56
Warehouse Space [3]							
Total	1,320	1,589	1,377	1,589	1,144	741	627
Under Construction	1,147	1,169	1,162	1,339	1,094	577	592
Planned							
Written Permission	30	34	20	57	16	32	18
Provisional Permission	12	371	195	189	32	130	15
Others	131	15	0	4	2	2	2

Sources : Urban Redevelopment Authority
JTC Corporation (With effect from 2013, for data pertaining to Business Park, 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".
3 Data refer to the total supply of industrial space under construction or planned for development.
Data cover the supply of industrial space from new development and redevelopment projects, which comprise: i. projects with Provisional Permission, Outline Provisional Permission and/or Written Permission; ii. developments submitted for planning approval and which are under consideration; iii. projects on awarded Government Land Sales (GLS) and Concept and Price Tender (CPT) sites for which plans have not been submitted for planning approval; and iv. planned projects in the GLS (which refer to sites on the GLS confirmed list and sites on the GLS reserve list that have been triggered) and CPT sites launched for tender.
4 Data breakdown by Written Permission, Provisional Permission and Others are available with effect from 2013.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15148

13.7 APPROVAL, CONSTRUCTION COMMENCEMENT AND COMPLETION OF COMMERCIAL DEVELOPMENTS

(Private and Public Sectors)

Thousand Square Metre Gross

	2012	2013	2014	2015	2016	2017	2018
Office Space							
Provisional Permission	447	124	111	192	79	149	366
Written Permission	130	475	123	91	150	107	314
Building Plan Approval	372	473	88	176	119	46	272
Building Commencement	578	80	186	11	154	223	318
Building Completion	218	228	225	93	240	315	183
Retail Space							
Provisional Permission	192	296	121	180	52	51	86
Written Permission	269	201	260	123	131	52	57
Building Plan Approval	198	280	171	142	144	18	43
Building Commencement	237	155	126	225	132	97	66
Building Completion	92	186	238	130	185	184	165

Sources : Urban Redevelopment Authority

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15157

13.8 CONTRACTS AWARDED BY SECTOR AND DEVELOPMENT TYPE

Million Dollars

Development Type	2012	2013	2014	2015	2016	2017	2018
	All Sectors						
Total	30,761	35,804	38,757	27,034	26,404	24,799	30,535
Building Work	25,951	28,863	28,854	21,560	17,430	15,453	21,072
Residential	11,846	15,963	11,291	7,770	6,479	6,250	9,019
Commercial	2,990	3,728	3,823	2,184	2,962	1,859	1,458
Industrial	6,418	5,490	6,628	5,779	3,676	4,177	4,808
Instituitional & Others	4,697	3,682	7,113	5,828	4,312	3,166	5,787
Civil Engineering Work	4,810	6,941	9,903	5,474	8,974	9,346	9,464
	Private Sector						
Total	21,237	20,915	19,537	13,781	11,011	8,964	12,239
Building Work	18,549	19,488	18,101	12,119	9,541	7,906	11,998
Residential	8,512	9,585	6,471	3,959	3,223	3,007	5,177
Commercial	2,888	3,663	3,703	1,886	2,863	1,733	1,364
Industrial	6,111	5,178	6,037	4,534	2,837	2,504	4,029
Instituitional & Others	1,039	1,062	1,890	1,741	617	661	1,428
Civil Engineering Work	2,688	1,427	1,436	1,662	1,470	1,058	242
	Public Sector						
Total	9,525	14,888	19,220	13,253	15,393	15,835	18,296
Building Work	7,402	9,374	10,753	9,441	7,889	7,547	9,074
Residential	3,334	6,378	4,819	3,811	3,256	3,243	3,842
Commercial	102	64	120	298	99	126	93
Industrial	308	312	591	1,245	839	1,673	779
Instituitional & Others	3,659	2,620	5,224	4,088	3,695	2,505	4,359
Civil Engineering Work	2,123	5,514	8,466	3,812	7,505	8,288	9,222

Source : Building and Construction Authority

Notes : Excludes reclamation works.

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

13.9 PROGRESS PAYMENTS CERTIFIED BY SECTOR AND DEVELOPMENT TYPE

Development Type	2012	2013	2014	2015	2016	2017	2018
	All Sectors						
Total	31,639	33,682	35,892	36,402	35,178	27,911	26,601
Building Work	25,447	27,799	28,812	28,381	26,513	20,219	19,090
Residential	10,943	12,791	13,811	13,608	10,890	7,584	6,638
Commercial	3,294	3,221	3,047	3,278	3,373	2,879	2,909
Industrial	7,414	7,807	7,060	6,784	6,637	4,743	5,498
Instituitional & Others	3,797	3,980	4,894	4,712	5,613	5,014	4,044
Civil Engineering Work	6,192	5,883	7,080	8,021	8,665	7,692	7,511
	Private Sector						
Total	19,323	21,127	21,160	20,788	18,704	13,116	13,109
Building Work	18,430	20,097	19,689	19,083	17,162	11,864	11,790
Residential	7,178	8,309	8,671	8,285	6,578	4,501	3,629
Commercial	3,212	3,145	2,964	3,160	3,188	2,691	2,783
Industrial	6,750	7,293	6,612	6,216	5,699	3,693	4,424
Instituitional & Others	1,290	1,350	1,443	1,423	1,698	979	954
Civil Engineering Work	893	1,030	1,471	1,705	1,542	1,251	1,319
	Public Sector						
Total	12,316	12,555	14,732	15,615	16,474	14,796	13,492
Building Work	7,018	7,701	9,123	9,298	9,350	8,355	7,300
Residential	3,765	4,482	5,140	5,323	4,313	3,083	3,009
Commercial	82	76	84	119	184	188	126
Industrial	664	514	449	567	939	1,050	1,075
Instituitional & Others	2,507	2,630	3,451	3,290	3,915	4,035	3,090
Civil Engineering Work	5,299	4,854	5,609	6,316	7,123	6,441	6,192

Source : Building and Construction Authority

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
Residential	922,493	933,278	959,960	984,908	1,010,613	1,043,968	1,061,236
1-room	25,186	25,384	25,450	26,247	27,817	30,098	30,699
2-room [1]	33,744	35,562	37,105	38,882	41,594	48,261	53,257
3-room	222,257	223,461	227,527	231,212	235,217	239,674	242,456
4-room	357,566	363,043	375,533	387,642	398,927	412,394	419,203
5-room [2]	214,710	216,209	222,345	227,774	233,608	239,460	241,572
Executive [3]	65,077	65,074	65,079	65,082	65,086	65,090	65,100
Studio Apartment	2,418	3,368	6,921	8,069	8,364	8,991	8,949
HUDC [4]	1,535	1,177	0	0	0	0	0
Commercial/Industrial Units [5]	28,372	28,413	28,477	28,630	30,042	29,813	18,021

Source : Housing & Development Board (HDB)

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.
5 With effect from 2018, there are no industrial units under HDB's management.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14620

13.11 RESIDENTIAL UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

	Unit	2012	2013	2014	2015	2016	2017	2018
Flats Constructed	No.	19,005	12,744	27,120	26,108	26,025	35,210	17,556
Percentage of Population [1] Living in Public Flats [2]	%	83	82	82	82	82	82	81
Flats Sold Under 'Home Ownership Scheme' [3]	No.	13,098	12,594	25,183	23,445	21,851	27,708	22,106
Percentage of Home-Ownership Flats [4]	%	94	93	95	95	95	94	94
Percentage of Population [1] Living in Home-Ownership Flats [2]	%	80	80	79	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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14606

13.12 RESIDENTIAL UNITS UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD, 31 DECEMBER 2018

Number

Town [1]	Total	1-room	2-room [2]	3-room	4-room	5-room [3]	Executive [4]	Studio Apartments
Total	1,061,236	30,699	53,257	242,456	419,203	241,572	65,100	8,949
Ang Mo Kio	50,728	1,318	3,635	24,523	14,481	5,949	499	323
Bedok	62,156	2,530	2,317	22,815	20,967	10,498	2,717	312
Bishan	20,072	564	257	2,357	9,359	5,716	1,660	159
Bukit Batok	42,988	761	2,501	11,490	17,853	7,401	2,734	248
Bukit Merah	55,110	4,731	6,053	16,868	17,192	9,616	44	606
Bukit Panjang	35,325	223	556	3,678	16,699	10,425	3,381	363
Bukit Timah	2,554	0	49	439	920	683	380	83
Central Area	12,004	2,075	1,316	4,268	3,438	901	6	0
Choa Chu Kang	48,900	565	1,207	2,463	23,465	15,952	4,762	486
Clementi	26,601	474	770	12,306	9,222	3,207	622	0
Geylang	29,951	879	3,390	11,442	9,607	3,593	831	209
Hougang	56,561	668	2,066	10,907	26,901	11,080	4,311	628
Jurong East	23,897	352	432	7,006	8,188	5,925	1,871	123
Jurong West	75,208	813	2,664	12,620	29,761	22,213	6,507	630
Kallang/Whampoa	39,645	4,401	2,772	14,026	12,185	5,477	504	280
Marine Parade	7,862	0	1,350	3,037	1,798	1,677	0	0
Pasir Ris	29,654	176	338	491	11,641	9,379	7,460	169
Punggol	49,909	1,366	2,807	5,187	22,456	16,547	1,126	420
Queenstown	32,676	575	3,375	14,494	9,457	3,976	355	444
Sembawang	27,241	955	2,508	1,271	11,118	8,518	2,871	0
Sengkang	67,116	685	1,911	3,880	31,274	24,144	4,462	760
Serangoon	21,634	272	408	4,535	10,231	3,757	2,365	66
Tampines	70,755	1,615	1,350	13,844	29,778	17,715	5,846	607
Toa Payoh	38,455	1,168	3,807	15,589	10,639	6,019	854	379
Woodlands	69,900	2,274	2,908	7,059	29,799	20,791	6,191	878
Yishun	64,334	1,259	2,510	15,861	30,774	10,413	2,741	776

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14552

13.13 GROSS ALLOCATION, RETURNS, TOTAL ALLOCATED, SUPPLY AND OCCUPANCY RATE OF JTC'S READY-BUILT FACILITIES BY PRODUCT SEGMENT

	Unit	2012	2013	2014	2015	2016	2017	2018
Total								
Gross Allocation	'000 sq m	81.6	58.7	41.6	126.2	79.6	124.6	229.6
Returns	'000 sq m	64.9	76.6	62.8	86.6	81.8	104.7	190.8
Total Allocated	'000 sq m	3,066.7	3,046.2	3,030.8	3,059.8	3,057.0	3,087.3	5,113.9
Supply	'000 sq m	3,209.6	3,207.0	3,313.5	3,362.5	3,416.3	3,643.9	6,133.4
Occupancy Rate	%	95.5	95.0	91.5	91.0	89.5	84.7	83.4
High-Rise Space								
Gross Allocation	'000 sq m	15.7	14.1	17.9	46.6	32.0	55.0	133.1
Returns	'000 sq m	19.1	14.6	19.2	28.8	19.7	21.9	86.8
Total Allocated	'000 sq m	293.3	292.7	291.5	298.8	312.3	354.7	1,491.9
Supply	'000 sq m	322.7	322.6	362.0	394.1	443.6	660.1	1,797.0
Occupancy Rate	%	90.9	90.8	80.5	75.8	70.4	53.7	83.0
Land-Based Factory								
Gross Allocation	'000 sq m	38.0	34.4	13.6	22.5	21.5	55.2	69.7
Returns	'000 sq m	40.1	47.4	29.7	42.3	41.4	60.7	59.4
Total Allocated	'000 sq m	2,377.5	2,362.0	2,344.3	2,324.5	2,304.6	2,298.9	2,855.9
Supply	'000 sq m	2,470.7	2,468.2	2,466.7	2,479.4	2,494.7	2,502.3	3,485.4
Occupancy Rate	%	96.2	95.7	95.0	93.8	92.4	91.9	81.9
Business Park Space								
Gross Allocation	'000 sq m	25.6	5.8	6.5	53.0	23.4	11.0	14.0
Returns	'000 sq m	3.7	7.3	5.8	10.1	15.3	13.3	22.0
Total Allocated	'000 sq m	227.0	225.6	233.7	276.5	282.9	281.7	270.6
Supply	'000 sq m	242.4	242.4	318.2	322.5	311.3	314.6	313.8
Occupancy Rate	%	93.7	93.1	73.4	85.8	90.9	89.5	86.2
Workshop Space								
Gross Allocation	'000 sq m	2.2	4.4	3.5	4.1	2.7	3.4	12.8
Returns	'000 sq m	2.0	7.4	8.0	5.4	5.4	8.8	22.7
Total Allocated	'000 sq m	168.8	165.8	161.3	160.0	157.3	151.9	495.4
Supply	'000 sq m	173.8	173.8	166.6	166.6	166.6	166.8	537.2
Occupancy Rate	%	97.1	95.4	96.8	96.0	94.4	91.1	92.2

Source : JTC Corporation

Notes : Figures may not add up due to rounding.
Data for "Total Allocated", "Supply" and "Occupancy Rate" are as at end of period.
With effect from 2018, data include industrial properties transferred from Housing & Development Board.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=16690

13.14 GROSS ALLOCATION, RETURNS, TOTAL ALLOCATED AND SUPPLY OF JTC'S PREPARED INDUSTRIAL LAND

Hectares

	2012	2013	2014	2015	2016	2017	2018
Prepared Industrial Land							
Gross Allocation [1]	255.2	232.2	166.8	150.8	145.3	131.3	397.4
Returns [1]	103.5	201.4	103.9	162.9	160.9	213.8	297.7
Total Allocated [2]	6,374.0	6,433.1	6,513.0	6,507.5	6,497.8	6,427.6	7,123.1
Supply [2]	7,069.8	7,245.4	7,337.2	7,361.0	7,379.4	7,475.7	8,184.2

Source : JTC Corporation

Notes : Figures may not add up due to rounding.
Data for "Total Allocated" and "Supply" are as at end of period.
With effect from 2018, data include industrial properties transferred from Housing & Development Board.

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

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14438

13.15 RESIDENTIAL DWELLINGS

Number

Type of Property	2012	2013	2014	2015	2016	2017	2018
Residential Dwelling Units	1,216,217	1,231,914	1,271,109	1,322,898	1,370,319	1,421,302	1,460,968
Type of Dwellings [1]							
Total HDB Flats [2]	927,643	933,389	953,975	980,613	1,004,623	1,032,461	1,056,716
HDB 1-2 Room Flats [3]	61,234	63,622	68,332	71,937	75,175	82,791	91,364
HDB 3 Room Flats	226,300	226,199	228,329	232,089	236,065	240,466	243,165
HDB 4 Room Flats	358,113	361,212	371,573	384,507	395,568	407,434	416,726
HDB 5 Room And Executive Flats	279,632	280,350	284,601	291,149	296,884	301,770	305,461
Condominiums And Other Apartments	204,340	214,148	232,296	256,971	279,745	302,610	317,730
Landed Properties	72,032	72,396	73,024	73,445	74,108	74,500	74,914
Others [4]	12,202	11,981	11,814	11,869	11,843	11,731	11,608

Notes : Data as at end June of each year.

1 Data are based on the Singapore Standard Classification of Type of Dwelling.
Excludes collective dwellings such as skilled nursing facilities, serviced apartments, school hostels and workers' dormitories etc.
2 Includes non-privatised Housing and Urban Development Corporation flats.
3 Includes HDB studio apartments.
4 Includes other housing units such as shophouses and attap/zinc-roofed houses etc.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14626

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 (Version 2018). 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 who are not registered with the Accounting and Corporate Regulatory Authority (ACRA) are also excluded.

The survey uses stratified random sampling. 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.

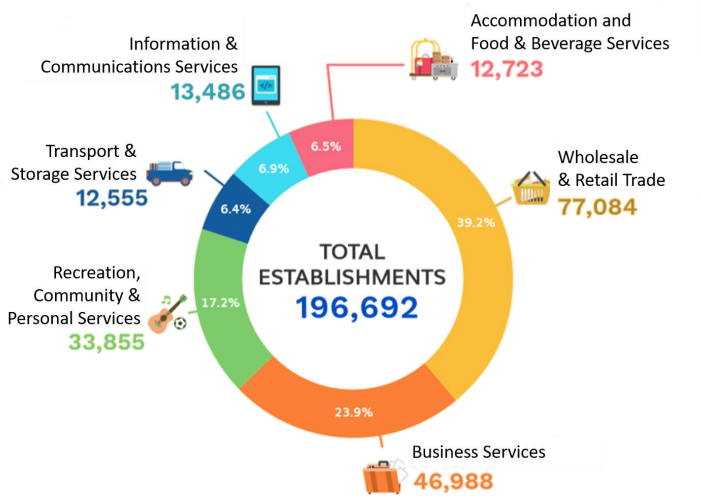
Definitions

Enterprise: Refers to an incorporated/ registered entity (such as company, sole-proprietorship, partnership, 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 a separate location is conceptually considered as distinct establishment.

Total Establishments, 2017



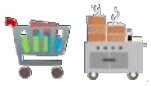
Operating Receipts: Refer to income earned from business operations, i.e. income from services rendered, sales of goods, commission fees, and rental of premises, machinery and equipment.

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. Operating surplus, however, only refers to 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.

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 (F&B) Services Indices measure the short-term performance of the retail and F&B services industries based on the sales records of enterprises in these industries. Data for the compilation of the indices are primarily obtained from more than 620 enterprises covered in the monthly retail sales and F&B 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 price and quantity changes. By removing the price effect, changes in the 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 obtained from over 1,000 wholesale trade enterprises through the quarterly survey of wholesale trade, and 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 price and quantity changes. By removing the price effect, 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

More information on the concepts and methodology adopted for the Annual Survey of Services and detailed statistics for several services industries of importance to the Singapore economy are available on the SingStat Website.

14.1 PRINCIPAL STATISTICS OF SERVICES

Year	Establish-ments	Operating Receipts	Operating Expenditure	Operating Surplus	Value Added [1]
	Number	Million Dollars			
			Total		
2011	160,104	2,318,666.3	2,244,782.4	97,128.5	174,365.6
2012	167,961	2,522,990.9	2,449,147.2	98,990.2	182,410.0
2013	171,457	2,794,978.4	2,719,073.6	102,585.9	191,776.4
2014	178,703	2,898,967.9	2,827,011.6	100,191.3	195,653.5
2015	186,767	2,715,746.0	2,644,446.2	103,237.1	205,188.0
2016	194,043	2,620,268.1	2,543,128.4	110,625.2	218,244.3
2017	196,692	3,131,124.4	3,046,859.7	119,682.8	232,633.0
			Wholesale Trade		
2011	47,088	1,999,058.8	1,956,834.0	43,791.3	61,883.8
2012	48,300	2,174,790.0	2,133,909.7	42,757.1	61,659.3
2013	47,824	2,420,754.2	2,379,547.4	43,077.5	62,570.9
2014	48,179	2,506,539.2	2,470,764.6	37,799.6	58,147.5
2015	49,266	2,302,000.9	2,268,880.7	35,972.1	58,188.6
2016	50,374	2,192,517.6	2,151,959.1	43,817.2	67,394.9
2017	50,489	2,675,927.0	2,628,753.3	50,547.3	74,241.9
			Retail Trade		
2011	21,600	40,844.9	38,558.8	2,658.5	6,003.1
2012	22,412	43,089.1	40,913.9	2,592.3	6,145.1
2013	22,954	43,736.8	41,725.8	2,483.8	6,255.9
2014	24,247	44,536.3	42,753.7	2,307.9	6,507.0
2015	25,650	46,299.9	44,422.7	2,431.8	6,855.0
2016	26,544	47,941.0	45,843.9	2,672.0	7,184.0
2017	26,595	48,531.5	46,614.7	2,489.6	7,349.9
			Transport & Storage Services		
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	11,371	104,403.3	98,774.5	12,068.6	23,244.7
2014	11,455	109,899.0	102,834.9	13,481.0	25,473.5
2015	12,018	114,490.8	105,993.4	15,755.6	28,295.0
2016	12,513	108,791.5	103,270.1	13,027.5	25,849.3
2017	12,555	122,805.1	115,025.2	15,642.2	29,654.2

(continued on the next page)

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

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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				
2011	9,319	13,718.3	11,886.6	2,447.2	6,157.1
2012	9,715	14,954.8	13,052.5	2,543.8	6,642.9
2013	9,838	15,882.5	14,149.8	2,445.9	6,870.4
2014	10,644	16,628.9	14,890.8	2,536.1	7,192.0
2015	11,239	16,755.7	15,119.4	2,442.2	7,256.0
2016	11,921	17,252.1	15,530.5	2,589.4	7,520.8
2017	12,723	17,453.4	15,856.5	2,541.4	7,600.1
	Information & Communications Services				
2011	7,408	39,747.6	35,622.9	5,586.4	12,649.3
2012	8,174	44,359.7	40,062.7	5,967.1	13,804.2
2013	8,633	47,925.3	43,023.9	6,732.7	15,000.1
2014	9,886	53,564.9	48,598.6	6,934.3	16,086.5
2015	11,617	59,146.6	54,800.3	6,562.3	16,213.6
2016	12,823	65,099.6	60,100.6	7,382.0	17,514.9
2017	13,486	75,869.8	71,040.6	7,458.0	18,534.0
	Business Services				
2011	37,198	104,250.4	85,221.5	24,988.1	46,084.5
2012	39,664	117,243.5	96,345.0	27,075.4	49,824.4
2013	41,238	128,948.3	105,944.5	29,504.4	54,428.1
2014	43,219	131,965.2	108,699.7	30,572.7	57,019.4
2015	44,607	139,244.4	113,854.8	33,784.1	62,270.8
2016	46,191	148,808.0	122,793.4	35,076.2	65,369.1
2017	46,988	148,479.4	124,042.4	34,177.3	65,953.0
	Recreation, Community & Personal Services [2]				
2011	26,967	29,188.9	30,487.1	6,366.3	20,513.4
2012	28,581	31,154.4	33,199.0	6,337.7	22,060.2
2013	29,599	33,328.0	35,907.8	6,273.0	23,406.2
2014	31,072	35,834.3	38,469.3	6,559.6	25,227.6
2015	32,372	37,807.7	41,374.7	6,289.1	26,108.9
2016	33,678	39,858.4	43,630.8	6,060.9	27,411.4
2017	33,855	42,058.2	45,527.1	6,826.9	29,299.9

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

2 Excludes government schools that are under the complete control and funding of Ministry of Education.

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

14.2 RETAIL SALES INDEX

(2017 = 100)

	Weights [1]	2012	2013	2014	2015	2016	2017	2018
		At Current Prices						
Total	10,000	96.6	91.7	92.1	96.1	98.2	100.0	99.2
Total (excl Motor Vehicles)	8,193	101.7	102.6	102.1	100.9	98.2	100.0	101.1
Department Stores [2]	620	104.0	105.9	104.3	104.9	100.5	100.0	100.9
Supermarkets & Hypermarkets	1,443	85.7	89.8	93.1	96.5	96.5	100.0	98.8
Mini-marts & Convenience Stores	423	102.5	104.6	104.4	101.8	102.9	100.0	99.5
Food Retailers [3]	214	109.3	114.8	118.5	111.0	101.6	100.0	103.7
Motor Vehicles	1,807	65.8	48.5	50.8	76.6	98.2	100.0	91.0
Petrol Service Stations	431	120.1	121.3	121.8	99.0	91.2	100.0	108.1
Medical Goods & Toiletries	619	81.2	84.3	87.7	91.0	95.2	100.0	104.9
Wearing Apparel & Footwear	975	108.3	108.8	104.7	102.0	98.0	100.0	102.9
Furniture & Household Equipment	753	113.1	108.1	103.8	101.4	100.8	100.0	103.4
Recreational Goods	145	111.0	111.7	105.2	98.8	97.2	100.0	100.0
Watches & Jewellery	904	102.6	103.5	101.3	102.7	96.8	100.0	100.3
Computer & Telecommunications Equipment	549	135.2	125.2	126.2	118.5	99.5	100.0	91.8
Optical Goods & Books	294	108.9	113.3	112.8	106.2	101.6	100.0	97.4
Others	823	92.2	93.0	88.0	95.1	100.4	100.0	102.8
		At Constant Prices						
Total	10,000	96.9	92.7	93.0	97.3	98.7	100.0	98.8
Total (excl Motor Vehicles)	8,193	102.9	104.0	103.3	102.2	98.8	100.0	100.5
Department Stores [2]	620	104.2	105.8	104.8	105.6	100.9	100.0	100.4
Supermarkets & Hypermarkets	1,443	91.5	94.4	96.0	98.7	97.1	100.0	97.4
Mini-marts & Convenience Stores	423	109.4	110.0	106.9	103.1	103.2	100.0	97.5
Food Retailers [3]	214	121.0	124.4	124.0	114.5	102.9	100.0	102.1
Motor Vehicles	1,807	63.8	48.6	51.0	77.3	98.5	100.0	91.3
Petrol Service Stations	431	123.5	121.8	121.5	103.9	99.5	100.0	101.3
Medical Goods & Toiletries	619	80.3	82.6	85.7	89.3	93.7	100.0	105.1
Wearing Apparel & Footwear	975	108.2	108.4	105.7	103.2	98.5	100.0	101.7
Furniture & Household Equipment	753	110.7	106.2	101.7	99.3	98.9	100.0	103.3
Recreational Goods	145	110.7	112.5	105.2	98.4	96.2	100.0	100.3
Watches & Jewellery	904	94.3	104.6	106.6	108.0	97.7	100.0	101.2
Computer & Telecommunications Equipment	549	133.9	124.2	124.8	117.3	98.3	100.0	96.3
Optical Goods & Books	294	112.5	115.7	114.8	108.2	101.6	100.0	97.3
Others	823	92.4	92.6	88.6	96.2	101.1	100.0	102.1

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 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15527
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15514

14.3 FOOD & BEVERAGE SERVICES INDEX

(2017 = 100)

	Weights [1]	2012	2013	2014	2015	2016	2017	2018
		At Current Prices						
Total	1,000	100.4	102.4	103.4	100.5	100.5	100.0	101.2
Restaurants	412	112.7	116.4	116.2	110.6	104.6	100.0	100.4
Fast Food Outlets	127	88.8	90.8	92.3	93.2	95.9	100.0	107.1
Food Caterers	114	99.2	102.3	99.1	97.8	98.2	100.0	100.3
Other Eating Places	347	93.1	93.3	96.4	94.2	98.9	100.0	100.4
		At Constant Prices						
Total	1,000	110.6	110.8	109.1	103.6	101.7	100.0	99.8
Restaurants	412	126.2	127.3	124.1	114.4	105.8	100.0	98.7
Fast Food Outlets	127	97.5	98.8	97.0	96.4	97.0	100.0	106.8
Food Caterers	114	104.1	106.4	101.7	100.2	99.9	100.0	99.2
Other Eating Places	347	102.8	101.0	101.7	97.2	100.0	100.0	98.8

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15521
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15526

14.4 DOMESTIC WHOLESALE TRADE INDEX

(2017 = 100)

	Weights [1]	2012	2013	2014	2015	2016	2017	2018
		At Current Prices						
Total	10,000	132.7	135.6	128.8	100.9	87.4	100.0	114.9
Total (excl Petroleum)	5,636	121.9	124.6	121.2	107.7	96.5	100.0	97.6
Food, Beverages & Tobacco	457	87.0	90.8	94.7	97.6	99.6	100.0	105.6
Household Equipment & Furniture	196	117.3	104.3	104.0	104.6	121.9	100.0	107.8
Petroleum & Petroleum Products	4,364	144.7	148.0	137.4	93.3	77.1	100.0	137.2
Chemicals & Chemical Products	441	112.2	117.0	120.4	112.3	93.7	100.0	108.4
Electronic Components	1,029	94.4	104.1	107.9	116.1	96.1	100.0	94.3
Industrial & Construction Machinery	269	104.5	107.6	112.1	110.0	102.1	100.0	92.6
Telecommunications & Computers	940	102.7	110.6	111.9	118.1	99.6	100.0	98.7
Metals, Timber & Construction Materials	433	149.6	141.8	133.4	120.8	102.7	100.0	87.5
General Wholesale Trade	240	183.6	196.4	188.8	117.1	95.0	100.0	101.0
Ship Chandlers & Bunkering	610	223.3	203.8	177.3	93.9	74.2	100.0	103.4
Transport Equipment	172	97.9	94.6	97.4	100.9	99.3	100.0	100.0
Other Wholesale Trade	849	99.4	113.1	105.5	101.3	97.1	100.0	89.6
		At Constant Prices						
Total	10,000	87.4	92.9	93.6	101.8	99.0	100.0	100.8
Total (excl Petroleum)	5,636	100.6	106.6	107.2	106.2	100.3	100.0	95.0
Food, Beverages & Tobacco	457	88.5	91.6	93.9	97.3	100.5	100.0	106.0
Household Equipment & Furniture	196	99.0	92.1	98.6	100.0	120.2	100.0	110.7
Petroleum & Petroleum Products	4,364	77.7	82.9	83.7	98.6	98.1	100.0	108.4
Chemicals & Chemical Products	441	76.3	82.1	89.1	116.4	109.2	100.0	90.4
Electronic Components	1,029	85.1	97.0	103.4	108.1	94.3	100.0	97.2
Industrial & Construction Machinery	269	101.2	105.4	109.8	107.9	103.2	100.0	93.3
Telecommunications & Computers	940	79.1	92.1	102.0	110.4	96.4	100.0	102.1
Metals, Timber & Construction Materials	433	137.8	134.7	127.8	118.7	107.7	100.0	84.2
General Wholesale Trade	240	145.6	160.1	158.3	116.3	101.4	100.0	95.0
Ship Chandlers & Bunkering	610	126.2	121.4	113.4	99.6	95.8	100.0	82.9
Transport Equipment	172	115.7	111.5	107.5	106.8	104.5	100.0	99.6
Other Wholesale Trade	849	93.4	109.4	101.9	99.6	96.0	100.0	91.0

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15613
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15617

14.5 FOREIGN WHOLESALE TRADE INDEX

(2017 = 100)

	Weights [1]	2012	2013	2014	2015	2016	2017	2018
		At Current Prices						
Total	10,000	110.8	116.2	112.9	95.8	87.5	100.0	112.0
Total (excl Petroleum)	5,904	95.8	103.4	102.8	97.7	92.2	100.0	96.2
Food, Beverages & Tobacco	448	92.0	91.0	89.4	88.3	84.3	100.0	97.0
Household Equipment & Furniture	119	95.9	86.2	82.8	82.2	94.3	100.0	101.2
Petroleum & Petroleum Products	4,096	137.4	138.8	130.8	92.5	79.2	100.0	134.8
Chemicals & Chemical Products	486	124.5	132.1	117.5	98.4	89.7	100.0	108.3
Electronic Components	540	97.6	109.3	106.8	109.5	90.5	100.0	100.8
Industrial & Construction Machinery	173	132.1	101.0	93.3	84.9	83.2	100.0	109.8
Telecommunications & Computers	933	80.1	79.8	82.2	84.1	91.9	100.0	103.3
Metals, Timber & Construction Materials	1,248	82.5	116.7	117.7	106.8	93.3	100.0	87.5
General Wholesale Trade	514	93.1	97.3	103.4	97.5	92.3	100.0	100.9
Ship Chandlers & Bunkering	143	178.9	181.4	180.7	113.9	96.5	100.0	98.9
Transport Equipment	202	110.9	107.5	105.5	106.3	102.2	100.0	97.0
Other Wholesale Trade	1,098	94.0	102.3	101.0	100.6	94.8	100.0	86.8
		At Constant Prices						
Total	10,000	79.1	85.9	87.3	95.1	96.5	100.0	100.8
Total (excl Petroleum)	5,904	84.7	94.7	95.8	95.4	94.0	100.0	96.2
Food, Beverages & Tobacco	448	91.4	93.9	91.8	87.6	83.2	100.0	96.7
Household Equipment & Furniture	119	87.7	80.5	79.4	79.0	92.2	100.0	104.9
Petroleum & Petroleum Products	4,096	73.2	76.7	78.2	94.7	99.1	100.0	107.4
Chemicals & Chemical Products	486	88.3	97.1	89.6	97.1	100.5	100.0	95.2
Electronic Components	540	89.5	102.1	103.2	101.7	87.7	100.0	103.1
Industrial & Construction Machinery	173	121.8	94.7	86.3	79.7	82.6	100.0	110.1
Telecommunications & Computers	933	71.1	75.4	79.5	77.9	87.4	100.0	112.2
Metals, Timber & Construction Materials	1,248	75.4	108.0	107.7	107.1	99.1	100.0	83.8
General Wholesale Trade	514	80.2	86.2	93.7	95.0	94.9	100.0	97.7
Ship Chandlers & Bunkering	143	103.9	111.5	118.4	116.2	120.3	100.0	81.0
Transport Equipment	202	126.1	120.5	112.1	111.0	106.6	100.0	95.7
Other Wholesale Trade	1,098	85.5	97.9	100.2	99.5	94.8	100.0	91.7

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15615
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15619

14.6 BUSINESS RECEIPTS INDEX FOR SERVICES INDUSTRIES

(2014 = 100)

	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Total Services [2]	10,000	90.2	96.4	100.0	102.1	102.5	109.4	117.0
Transport & Storage [3]	1,440	95.7	97.7	100.0	100.9	98.2	104.3	110.2
Information & Communications	958	93.6	95.9	100.0	103.1	106.0	119.7	132.6
Financial & Insurance	2,694	82.9	93.6	100.0	107.6	108.0	114.0	125.1
Business Services [4]	3,422	90.3	97.8	100.0	99.0	98.8	104.7	109.9
Education	473	85.9	94.4	100.0	102.4	107.4	113.6	117.3
Health & Social Services	494	87.5	91.8	100.0	107.2	115.4	126.7	134.7
Recreation & Personal Services [5]	519	102.3	103.5	100.0	91.0	86.6	91.7	94.2

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14641

International Trade

15 International Trade

Merchandise Trade

Sources of Data

Since April 1987, Singapore's merchandise trade statistics are compiled by 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, 2018

Merchandise Trade at 2018 Prices: This is obtained by adjusting the recorded value of trade using import and export price indices with base year 2018. The series on trade at 2018 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, 2018

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

	2012	2013	2014	2015	2016	2017	2018
	At Current Prices						
Total Merchandise Trade	1,001,544.0	1,011,077.9	1,004,650.0	915,218.8	870,216.2	967,102.4	1,055,859.1
Merchandise Exports	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6	515,000.8	555,665.1
Oil	130,900.7	124,961.7	122,863.1	81,829.1	69,238.5	90,182.2	103,265.7
Non-oil	388,453.4	400,545.4	403,204.3	409,987.0	397,673.1	424,818.7	452,399.4
Domestic Exports	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3	259,301.9	281,137.8
Oil	106,814.5	106,476.6	106,986.8	72,503.8	63,374.8	84,566.1	99,004.6
Non-oil	178,354.4	164,740.2	162,791.3	165,229.0	160,558.5	174,735.9	182,133.2
Re-exports	234,185.3	254,290.4	256,289.3	254,083.3	242,978.4	255,698.9	274,527.2
Merchandise Imports	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6	452,101.6	500,194.0
Oil	154,804.2	146,280.6	143,742.1	88,774.9	70,530.2	99,861.4	118,708.9
Non-oil	327,385.7	339,290.1	334,840.5	334,627.7	332,774.4	352,240.2	381,485.1
	At 2018 Prices						
Total Merchandise Trade	879,731.2	915,817.4	931,448.6	949,972.7	952,937.7	1,008,707.0	1,055,859.1
Merchandise Exports	461,275.2	481,086.2	491,937.3	502,260.8	503,623.7	533,081.9	555,665.1
Oil	91,951.2	92,752.9	97,420.6	103,425.3	107,406.4	110,901.0	103,265.7
Non-oil	369,324.0	388,333.3	394,516.7	398,835.6	396,217.3	422,180.9	452,399.4
Domestic Exports	245,278.0	239,292.8	244,242.7	250,301.0	257,505.6	278,329.9	281,137.8
Oil	75,321.4	79,332.8	85,060.4	90,846.3	97,540.9	103,838.3	99,004.6
Non-oil	169,956.6	159,960.0	159,182.3	159,454.7	159,964.7	174,491.5	182,133.2
Re-exports	215,997.2	241,793.4	247,694.6	251,959.8	246,118.1	254,752.0	274,527.2
Merchandise Imports	418,456.0	434,731.3	439,511.3	447,711.9	449,313.9	475,625.1	500,194.0
Oil	107,598.9	106,116.9	112,532.4	119,076.6	114,864.8	125,282.2	118,708.9
Non-oil	310,857.0	328,614.3	326,978.9	328,635.3	334,449.1	350,342.8	381,485.1

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.

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15.2 TOTAL MERCHANDISE TRADE BY REGION/MARKET

Million Dollars

Region / Country	2012	2013	2014	2015	2016	2017	2018
Total	1,001,544.0	1,011,077.9	1,004,650.0	915,218.8	870,216.2	967,102.4	1,055,859.1
America	115,371.6	119,467.7	114,015.5	102,863.0	95,623.6	105,437.5	124,991.7
Brazil	4,281.0	5,552.6	4,843.5	3,523.7	2,742.5	3,668.4	3,665.8
Canada	3,048.4	3,635.7	2,969.4	2,867.6	2,922.2	2,865.7	3,358.7
United States	75,339.5	76,987.9	75,762.3	75,733.0	72,414.2	79,918.0	97,909.5
Asia	705,894.8	712,566.5	708,864.5	653,178.6	623,042.1	698,121.6	737,954.1
Bahrain	596.0	696.8	601.7	426.6	338.7	522.4	343.3
Bangladesh	2,745.8	3,391.1	4,445.5	3,515.9	3,919.8	4,349.3	4,998.3
Brunei Darussalam	1,708.8	1,513.9	1,411.1	1,257.6	1,173.7	1,466.7	1,898.1
Cambodia	3,434.8	8,469.0	4,978.8	5,169.9	5,280.7	4,467.3	6,610.6
China	104,905.7	116,664.7	125,546.7	128,569.6	117,198.4	137,115.1	135,020.4
Hong Kong	61,804.1	62,126.3	62,426.4	61,571.3	64,192.6	69,605.9	70,588.2
India	30,980.1	25,745.8	25,039.1	23,027.2	22,011.7	25,235.8	26,445.5
Indonesia	81,866.1	78,924.6	72,857.4	61,561.0	56,057.2	59,441.5	65,003.2
Japan	52,559.7	47,914.8	47,000.1	47,383.1	49,527.5	51,794.3	56,883.5
Korea, Republic of	53,120.6	50,964.6	48,771.2	45,067.1	43,564.1	45,424.7	40,286.3
Kuwait	6,214.3	4,724.0	4,575.7	3,909.3	3,602.7	4,746.1	5,731.6
Laos	44.3	40.2	62.5	127.2	71.8	53.1	70.5
Malaysia	115,031.5	116,091.4	112,931.3	98,577.7	93,749.4	108,220.4	118,329.7
Myanmar	1,772.4	3,039.4	3,238.0	3,546.3	3,320.6	3,632.0	3,996.6
Pakistan	1,201.1	1,426.5	1,725.4	1,804.1	1,190.3	1,432.8	1,368.7
Philippines	15,467.3	14,745.0	15,025.4	15,053.3	15,472.5	17,948.5	21,280.8
Saudi Arabia	23,016.8	17,639.8	20,113.7	12,316.9	12,312.9	13,756.0	18,069.3
Sri Lanka	2,099.7	2,654.7	2,372.0	2,081.1	2,133.6	2,704.1	2,530.6
Taiwan	49,677.4	55,500.1	58,528.5	53,909.6	52,533.8	60,357.7	65,301.4
Thailand	32,679.7	30,873.4	30,774.7	30,381.6	28,973.4	30,164.5	32,186.8
United Arab Emirates	26,805.3	30,182.5	27,851.3	19,355.6	15,532.5	17,251.7	18,097.8
Viet Nam	15,411.6	16,754.7	19,532.1	21,599.5	19,828.1	21,595.9	20,908.3
Europe	126,905.2	127,524.1	125,310.7	116,237.6	117,229.2	124,011.8	142,853.2
France	19,158.3	15,421.9	14,494.7	14,187.9	15,972.0	16,973.3	21,316.1
Germany	20,645.3	20,916.6	20,310.9	19,931.5	19,974.4	21,641.1	22,315.3
Italy	5,478.6	5,843.5	6,148.2	5,654.5	5,984.3	6,194.8	6,995.5
Netherlands	18,677.9	15,188.1	15,191.5	14,150.3	14,755.6	15,622.6	17,822.0
Sweden	1,848.4	1,671.8	1,578.9	1,788.9	1,577.4	1,827.4	1,806.3
United Kingdom	16,495.0	14,308.5	12,416.9	12,142.2	11,500.8	11,434.3	16,247.4
Switzerland	11,684.4	18,790.8	14,824.9	14,512.9	15,687.9	15,885.1	16,920.7
Oceania	39,243.1	36,489.3	40,584.8	31,284.1	25,480.3	29,209.6	36,681.0
Australia	28,161.5	26,158.3	29,487.3	22,915.6	18,181.9	19,441.7	24,466.6
New Zealand	3,480.9	3,408.0	3,949.7	3,363.4	2,834.1	3,683.5	4,129.0
Africa	14,129.3	15,030.3	15,874.6	11,655.5	8,841.0	10,322.0	13,379.0
European Union [1]	105,417.0	96,670.3	95,916.7	90,831.8	93,181.8	98,442.2	114,686.3

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/MARKET

Million Dollars

Region / Country	2012	2013	2014	2015	2016	2017	2018
Total	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6	452,101.6	500,194.0
America	63,758.6	66,237.4	64,816.4	56,281.2	51,683.4	58,006.5	66,579.0
Brazil	2,555.2	2,131.1	2,822.4	1,950.9	1,539.5	2,000.9	2,099.1
Canada	1,555.9	1,619.7	1,732.6	1,839.4	1,895.3	1,856.0	2,082.3
United States	48,157.2	48,399.2	48,278.4	45,886.6	42,580.6	47,555.8	56,564.0
Asia	331,756.9	324,310.2	317,895.6	282,351.6	273,037.3	307,674.9	332,172.4
Bahrain	468.2	571.3	416.0	272.1	197.4	358.7	167.8
Bangladesh	131.8	154.6	167.7	209.3	300.2	376.5	363.2
Brunei Darussalam	164.0	69.2	293.4	189.4	114.2	420.7	708.4
Cambodia	723.2	228.8	344.2	219.9	1,840.8	353.2	162.1
China	49,604.0	55,017.4	56,284.5	57,915.3	55,945.8	62,555.0	67,008.3
Hong Kong	3,932.1	4,484.7	4,419.4	5,057.7	4,446.4	6,122.6	4,911.9
India	16,214.5	11,416.2	10,480.6	7,921.8	8,151.2	10,033.8	9,803.6
Indonesia	25,639.6	24,320.1	24,131.3	20,873.1	19,334.8	20,875.1	20,536.5
Japan	29,963.9	25,917.1	25,792.8	26,377.8	29,416.4	28,260.2	29,902.3
Korea, Republic of	32,407.4	30,167.3	27,633.3	25,165.9	23,510.4	22,322.2	19,160.8
Kuwait	5,991.3	4,325.1	4,326.4	3,667.5	3,326.7	4,453.4	5,499.4
Laos	6.8	7.2	19.6	18.3	7.4	9.0	11.5
Malaysia	50,592.2	51,150.7	49,472.0	45,439.7	44,536.6	53,609.9	57,747.4
Myanmar	98.8	224.3	203.1	172.6	174.5	153.3	266.4
Pakistan	81.0	150.2	245.1	319.5	106.3	95.5	86.9
Philippines	7,546.8	6,366.1	6,324.6	6,237.6	6,484.2	7,919.4	10,550.7
Saudi Arabia	21,508.6	16,095.0	18,504.3	10,957.7	11,228.4	12,629.6	17,052.8
Sri Lanka	105.5	177.2	138.7	146.3	132.0	177.5	127.6
Taiwan	31,619.2	36,357.8	38,089.8	34,065.9	32,184.5	37,440.9	42,415.4
Thailand	12,669.5	11,642.9	11,107.2	11,033.9	9,962.1	9,894.0	11,193.8
United Arab Emirates	20,890.4	23,095.7	20,163.0	11,898.0	9,899.5	12,187.3	13,088.2
Viet Nam	2,806.7	3,825.8	4,052.2	4,943.1	4,148.1	4,632.8	4,679.9
Europe	76,407.8	83,707.1	80,390.1	73,653.4	68,789.2	75,714.8	87,925.4
France	11,343.5	10,123.8	10,254.8	10,035.6	11,809.7	12,334.8	15,420.0
Germany	13,203.6	13,607.0	13,486.6	12,307.2	12,054.5	13,092.9	13,657.8
Italy	4,473.9	4,913.9	5,242.2	4,863.3	5,101.1	5,207.2	5,863.6
Netherlands	9,799.8	7,156.2	5,959.1	5,635.7	5,219.2	4,841.6	5,801.0
Sweden	1,614.2	1,521.1	1,417.7	1,599.9	1,352.3	1,555.3	1,537.6
United Kingdom	8,779.2	9,990.0	7,850.8	7,895.0	7,426.7	7,640.6	10,426.4
Switzerland	8,880.7	16,909.6	12,538.8	12,107.2	10,764.7	12,607.1	13,663.9
Oceania	7,934.8	7,877.1	11,123.0	8,367.4	6,435.6	7,190.4	8,815.0
Australia	6,899.7	6,725.9	9,918.7	7,063.2	5,240.9	5,636.5	7,367.7
New Zealand	872.5	1,062.5	1,125.2	989.9	824.8	1,200.7	1,091.4
Africa	2,331.8	3,438.9	4,357.6	2,749.0	3,359.0	3,515.0	4,702.2
European Union [1]	59,658.7	57,760.9	55,441.8	52,162.7	53,059.5	55,366.1	65,116.7

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/MARKET

Million Dollars

Region / Country	2012	2013	2014	2015	2016	2017	2018
Total	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6	515,000.8	555,665.1
America	51,613.0	53,230.3	49,199.1	46,581.8	43,940.2	47,431.0	58,412.7
Brazil	1,725.8	3,421.6	2,021.1	1,572.8	1,203.0	1,667.5	1,566.7
Canada	1,492.5	2,016.1	1,236.8	1,028.1	1,026.9	1,009.7	1,276.4
United States	27,182.3	28,588.7	27,484.0	29,846.3	29,833.7	32,362.2	41,345.5
Asia	374,137.9	388,256.3	390,968.9	370,827.0	350,004.7	390,446.7	405,781.8
Bahrain	127.8	125.6	185.8	154.5	141.2	163.7	175.5
Bangladesh	2,614.0	3,236.5	4,277.8	3,306.6	3,619.6	3,972.9	4,635.1
Brunei Darussalam	1,544.8	1,444.7	1,117.6	1,068.2	1,059.5	1,046.0	1,189.8
Cambodia	2,711.6	8,240.2	4,634.6	4,950.1	3,439.9	4,114.1	6,448.5
China	55,301.7	61,647.2	69,262.2	70,654.3	61,252.5	74,560.1	68,012.1
Hong Kong	57,872.0	57,641.6	58,007.0	56,513.6	59,746.2	63,483.4	65,676.3
India	14,765.6	14,329.5	14,558.4	15,105.4	13,860.5	15,202.0	16,641.9
Indonesia	56,226.5	54,604.4	48,726.0	40,687.8	36,722.4	38,566.4	44,466.7
Japan	22,595.8	21,997.7	21,207.2	21,005.3	20,111.1	23,534.1	26,981.2
Korea, Republic of	20,713.2	20,797.3	21,137.9	19,901.3	20,053.8	23,102.5	21,125.5
Kuwait	223.0	399.0	249.3	241.7	275.9	292.7	232.3
Laos	37.6	33.0	42.9	108.9	64.4	44.1	59.0
Malaysia	64,439.3	64,940.6	63,459.3	53,138.0	49,212.8	54,610.4	60,582.3
Myanmar	1,673.6	2,815.1	3,034.8	3,373.7	3,146.1	3,478.7	3,730.1
Pakistan	1,120.1	1,276.3	1,480.2	1,484.6	1,084.0	1,337.4	1,281.8
Philippines	7,920.4	8,378.9	8,700.9	8,815.7	8,988.2	10,029.1	10,730.1
Saudi Arabia	1,508.2	1,544.8	1,609.4	1,359.2	1,084.5	1,126.4	1,016.5
Sri Lanka	1,994.1	2,477.5	2,233.3	1,934.9	2,001.7	2,526.6	2,403.0
Taiwan	18,058.2	19,142.3	20,438.7	19,843.7	20,349.3	22,916.9	22,886.0
Thailand	20,010.1	19,230.5	19,667.5	19,347.6	19,011.4	20,270.5	20,993.0
United Arab Emirates	5,914.9	7,086.7	7,688.3	7,457.6	5,633.0	5,064.4	5,009.6
Viet Nam	12,604.8	12,928.9	15,479.8	16,656.4	15,680.0	16,963.1	16,228.4
Europe	50,497.3	43,816.9	44,920.7	42,584.2	48,440.0	48,296.9	54,927.8
France	7,814.8	5,298.1	4,239.9	4,152.3	4,162.3	4,638.6	5,896.1
Germany	7,441.8	7,309.7	6,824.4	7,624.3	7,919.9	8,548.1	8,657.4
Italy	1,004.7	929.6	906.0	791.2	883.2	987.6	1,131.9
Netherlands	8,878.1	8,031.9	9,232.3	8,514.6	9,536.4	10,781.0	12,021.0
Sweden	234.2	150.8	161.2	189.0	225.1	272.1	268.7
United Kingdom	7,715.8	4,318.5	4,566.1	4,247.2	4,074.0	3,793.7	5,821.0
Switzerland	2,803.7	1,881.2	2,286.1	2,405.6	4,923.2	3,278.0	3,256.8
Oceania	31,308.4	28,612.3	29,461.8	22,916.7	19,044.7	22,019.1	27,866.0
Australia	21,261.8	19,432.3	19,568.7	15,852.3	12,941.0	13,805.2	17,098.9
New Zealand	2,608.4	2,345.5	2,824.5	2,373.5	2,009.4	2,482.8	3,037.6
Africa	11,797.5	11,591.4	11,517.0	8,906.4	5,482.0	6,807.0	8,676.8
European Union [1]	45,758.3	38,909.4	40,474.9	38,669.1	40,122.3	43,076.1	49,569.5

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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15.5 DOMESTIC EXPORTS BY REGION/MARKET

Million Dollars

Region / Country	2012	2013	2014	2015	2016	2017	2018
Total	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3	259,301.9	281,137.8
America	38,748.9	36,257.8	33,989.0	30,309.4	27,215.6	28,487.9	36,725.8
Brazil	904.4	885.4	838.2	563.6	387.1	745.7	549.6
Canada	942.1	921.6	767.4	574.7	500.0	493.2	679.7
United States	17,156.3	16,471.2	15,375.3	16,573.5	16,132.8	16,756.6	22,969.3
Asia	179,367.8	177,387.7	179,302.6	161,415.4	152,904.4	183,213.1	186,371.1
Bahrain	41.3	59.2	73.2	82.9	86.4	117.0	89.0
Bangladesh	1,096.6	1,611.0	2,062.1	1,495.5	1,589.6	1,749.4	2,242.1
Brunei Darussalam	709.3	550.7	390.2	481.9	489.7	546.0	544.2
Cambodia	621.6	1,085.4	1,037.5	986.5	773.0	1,244.3	2,445.4
China	29,400.7	30,573.6	32,680.0	31,229.8	28,732.8	39,765.4	35,226.4
Hong Kong	26,534.5	25,336.0	19,575.2	17,608.9	19,272.5	21,175.5	21,873.4
India	6,268.1	6,389.3	6,720.5	7,024.3	6,187.9	7,159.4	7,340.0
Indonesia	22,243.0	22,782.4	23,804.7	18,246.8	16,251.3	19,004.2	23,214.5
Japan	12,047.3	10,554.8	10,021.1	10,033.1	9,173.8	10,797.3	12,204.7
Korea, Republic of	10,776.5	8,783.7	9,036.4	7,846.9	7,469.5	10,439.7	8,353.9
Kuwait	123.7	112.8	119.9	132.7	151.1	165.3	149.0
Laos	2.7	5.7	8.4	14.7	8.9	9.8	10.4
Malaysia	32,365.0	31,917.7	33,572.2	26,408.3	24,164.9	27,266.8	31,430.2
Myanmar	758.7	1,549.1	1,555.8	1,813.0	1,781.4	2,111.3	2,585.6
Pakistan	455.0	534.5	786.5	734.7	428.9	616.2	693.7
Philippines	3,919.7	3,880.0	4,094.7	4,103.0	4,074.6	4,648.2	4,361.7
Saudi Arabia	1,034.6	697.1	1,040.9	918.9	744.4	749.1	663.5
Sri Lanka	977.3	964.8	1,297.1	1,065.7	1,020.5	1,186.0	1,296.9
Taiwan	10,993.6	11,222.1	11,879.1	10,257.3	11,177.2	12,792.2	11,922.7
Thailand	8,717.7	8,192.5	8,677.8	8,488.9	8,261.6	9,386.1	8,832.1
United Arab Emirates	2,521.5	3,161.0	2,726.0	3,364.7	2,592.6	2,485.3	2,451.8
Viet Nam	5,558.9	5,460.1	6,437.7	7,327.7	6,856.4	7,915.6	6,429.9
Europe	36,607.6	28,901.5	28,281.1	25,594.0	28,815.5	27,995.1	32,266.3
France	5,786.1	2,938.5	2,442.4	2,191.5	1,937.0	2,157.4	2,408.7
Germany	4,302.8	3,864.7	2,847.9	2,639.0	2,514.1	3,141.5	2,869.9
Italy	720.5	623.5	555.6	493.5	449.1	590.3	668.5
Netherlands	5,912.9	4,776.8	5,058.5	5,033.0	5,460.0	6,169.6	6,917.6
Sweden	123.2	106.3	115.4	123.5	147.6	214.9	201.6
United Kingdom	5,758.6	2,362.1	2,532.2	2,189.1	1,836.8	1,676.1	3,319.2
Switzerland	1,913.6	1,037.7	1,297.3	1,186.5	3,249.0	1,881.3	2,343.7
Oceania	21,585.6	20,278.2	19,629.8	13,881.9	10,926.6	14,236.4	19,132.4
Australia	13,982.6	12,975.6	12,021.4	8,467.4	6,224.7	7,555.5	10,477.9
New Zealand	1,750.8	1,554.9	1,990.0	1,478.6	1,219.7	1,565.7	1,658.3
Africa	8,858.9	8,391.7	8,575.6	6,532.1	4,071.3	5,369.5	6,642.3
European Union [1]	33,275.9	25,397.5	25,464.6	23,355.1	23,023.0	24,804.5	28,622.4

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/MARKET

Million Dollars

Region / Country	2012	2013	2014	2015	2016	2017	2018
Total	178,354.4	164,740.2	162,791.3	165,229.0	160,558.5	174,735.9	182,133.2
America	24,369.8	21,496.5	21,301.6	22,210.7	20,646.0	20,293.4	27,263.5
Brazil	866.9	810.6	836.0	562.3	381.9	668.5	525.7
Canada	664.4	712.0	564.0	449.1	419.4	371.5	478.9
United States	16,377.7	14,685.3	14,374.8	15,313.2	14,906.8	15,467.6	21,370.5
Asia	118,155.5	115,048.3	114,488.8	115,603.5	110,737.0	127,961.7	125,138.7
Bahrain	35.0	40.7	57.2	76.7	84.8	86.8	87.6
Bangladesh	381.2	519.2	664.6	683.9	598.1	666.3	720.4
Brunei Darussalam	469.0	499.1	365.3	356.3	252.7	204.4	217.5
Cambodia	141.5	536.2	461.3	693.5	439.6	821.5	2,051.5
China	21,209.7	23,553.6	25,743.3	25,981.4	24,227.9	31,757.9	28,953.7
Hong Kong	16,102.9	14,948.8	11,712.5	12,064.8	14,453.3	14,303.8	13,741.1
India	5,211.7	5,579.9	5,760.6	5,887.3	5,323.4	6,363.4	6,442.2
Indonesia	11,726.6	10,642.1	10,202.3	9,305.0	8,270.8	8,939.4	9,945.8
Japan	11,012.9	9,900.6	9,204.0	9,151.3	8,391.3	9,823.6	10,942.4
Korea, Republic of	8,672.7	6,477.5	6,189.9	6,402.4	6,255.2	8,976.5	7,397.5
Kuwait	113.3	86.8	86.6	128.5	147.5	160.0	125.6
Laos	2.7	5.7	8.4	14.1	8.4	9.4	10.1
Malaysia	14,034.6	12,807.9	13,657.0	13,179.3	12,517.7	14,126.7	13,993.5
Myanmar	380.8	853.0	571.7	584.9	418.7	381.9	402.3
Pakistan	349.3	366.3	353.7	374.1	345.5	415.3	389.7
Philippines	2,794.4	2,747.3	3,098.5	3,056.1	3,135.0	3,405.1	3,368.7
Saudi Arabia	894.5	599.7	865.2	840.7	627.1	627.1	496.1
Sri Lanka	286.0	274.1	281.3	341.1	310.5	362.2	294.0
Taiwan	10,394.0	10,495.0	10,990.5	9,901.3	10,379.3	11,650.0	11,125.5
Thailand	7,640.8	7,127.7	7,085.6	7,569.0	7,008.7	7,568.8	7,470.3
United Arab Emirates	2,150.8	2,580.1	2,324.2	3,029.4	2,228.3	2,103.9	1,860.8
Viet Nam	2,748.8	3,034.8	3,382.7	4,436.7	3,842.4	3,725.3	3,469.7
Europe	28,111.9	21,648.0	20,174.0	20,831.3	24,126.5	21,310.0	24,573.9
France	5,598.8	2,775.2	2,323.1	2,118.0	1,883.1	2,051.3	2,088.2
Germany	3,623.1	3,199.8	2,236.3	2,356.5	2,298.8	2,847.0	2,497.0
Italy	288.8	322.1	298.5	366.8	346.6	422.7	485.8
Netherlands	4,283.2	4,304.5	4,704.9	4,472.0	4,314.6	4,891.6	5,979.4
Sweden	98.2	70.9	91.0	112.6	143.9	209.2	197.1
United Kingdom	4,881.4	1,496.6	1,741.1	1,858.2	1,560.7	1,294.9	2,917.9
Switzerland	1,882.0	1,012.7	1,264.6	1,167.1	3,228.2	1,855.4	2,317.3
Oceania	5,650.0	5,113.2	5,446.2	5,417.5	4,051.6	4,076.8	3,995.9
Australia	4,727.2	4,155.9	4,267.7	4,422.2	3,227.9	3,235.4	3,163.7
New Zealand	620.0	654.7	909.8	741.4	591.5	607.8	588.2
Africa	2,067.1	1,434.2	1,380.6	1,166.1	997.4	1,093.9	1,161.2
European Union [1]	25,890.5	19,300.5	18,526.3	19,300.3	18,883.9	18,909.5	21,870.5

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	2012	2013	2014	2015	2016	2017	2018
Total	482,189.8	485,570.7	478,582.6	423,402.6	403,304.6	452,101.6	500,194.0
Food	10,035.6	10,590.7	11,353.5	11,254.1	10,780.8	10,939.5	11,315.2
Coffee, tea, cocoa, spices & manufactures	1,282.5	1,248.2	1,525.2	1,568.5	1,394.9	1,279.5	1,283.6
Fish, seafood (excl marine mammals) & preparations	1,316.1	1,317.9	1,386.5	1,481.7	1,532.8	1,506.7	1,568.6
Vegetables & fruits	1,723.5	1,874.4	2,012.9	2,148.5	2,239.7	2,251.5	2,207.5
Beverages & Tobacco	4,015.4	4,490.4	4,399.2	4,368.1	4,427.3	4,734.7	5,116.3
Beverages	3,070.6	3,475.8	3,361.0	3,233.9	3,219.1	3,499.8	3,850.8
Tobacco & manufactures	944.9	1,014.6	1,038.3	1,134.3	1,208.2	1,234.9	1,265.5
Crude Materials	3,881.3	4,203.9	3,615.3	3,369.0	3,204.5	3,577.4	3,831.8
Metalliferous ores & metal scrap	906.1	758.9	635.9	472.8	390.2	443.3	602.5
Crude rubber	716.8	517.8	377.7	653.0	627.4	763.8	647.3
Crude fertilizers & minerals (excl coal petroleum & precious stones)	1,113.9	1,625.3	1,295.3	970.8	880.3	1,248.0	1,018.1
Crude animal & vegetable materials nes	398.0	474.3	457.0	444.7	441.2	437.3	451.4
Mineral Fuels & Lubricants	154,804.2	146,280.6	143,742.1	88,774.9	70,530.2	99,861.4	118,708.9
Petroleum & products & related materials	147,142.0	138,065.8	135,275.7	83,757.3	66,718.9	94,308.4	111,344.3
Animal & Vegetable Oils	1,742.7	1,425.3	1,346.1	1,080.4	1,302.8	1,417.8	1,243.6
Fixed vegetable fats & oils, crude, refined or fractionated	1,416.8	877.4	823.9	625.5	586.8	552.9	520.7
Animal or vegetable fats & oils [1] nes	47.9	43.4	67.0	78.9	169.8	214.1	210.3
Chemicals & Chemical Products	32,401.3	31,885.6	32,810.3	31,461.5	32,134.7	36,993.1	40,684.5
Organic chemicals	8,791.9	9,361.5	9,593.1	8,331.9	8,066.3	9,133.6	9,881.2
Plastics in primary forms	6,865.7	5,709.0	6,134.5	5,556.0	5,539.6	6,490.0	7,513.4
Medicinal & pharmaceutical products	3,263.4	3,263.7	3,352.7	3,669.2	3,784.5	4,121.9	4,627.3
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	3,502.7	3,858.2	4,016.3	4,258.0	4,812.5	5,715.4	6,753.1

(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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15.7 MERCHANDISE IMPORTS BY COMMODITY SECTION *(continued)*

Million Dollars

Commodity Section	2012	2013	2014	2015	2016	2017	2018
Manufactured Goods	29,642.1	29,251.1	31,795.0	28,211.5	26,482.2	24,818.2	25,667.1
Non-ferrous metals	5,307.9	4,822.9	6,357.7	5,394.5	5,298.7	4,621.3	3,752.9
Iron & steel	8,163.0	7,943.6	7,399.7	5,966.7	4,438.9	4,599.9	5,847.7
Manufactures of metals nes	6,553.9	6,725.5	6,874.9	6,334.0	6,157.3	5,436.5	5,693.7
Non-metallic mineral manufactures nes	3,799.8	4,226.4	5,656.0	5,118.6	5,383.0	4,867.1	5,225.4
Textile yarn, fabrics, made-up articles nes & related products	1,390.6	1,386.2	1,373.8	1,339.6	1,304.6	1,190.0	1,156.8
Paper, paperboard & articles of paper pulp or paperboard pulp	2,278.9	2,169.4	2,131.1	2,067.1	2,069.4	2,331.6	2,262.5
Rubber manufactures nes	1,474.5	1,261.5	1,226.4	1,120.7	1,024.8	1,110.2	1,117.0
Machinery & Equipment	196,288.1	195,446.1	191,976.9	194,597.3	193,317.0	207,685.9	230,967.8
Electronics	115,648.1	119,543.3	117,484.2	118,366.9	117,229.2	129,723.9	137,161.6
Integrated circuits	63,222.6	69,962.2	69,095.6	68,155.2	69,600.2	78,645.9	83,411.2
Parts of personal computers	10,862.1	9,790.7	9,644.8	9,838.6	9,128.8	10,330.7	10,060.3
Disk drives	2,545.0	2,401.8	2,474.2	2,719.6	2,121.6	2,559.7	2,018.2
Telecommunications equipment [2]	12,722.0	11,886.4	10,874.0	11,432.8	11,337.4	12,438.4	13,297.1
Consumer electronics [3]	4,524.9	4,135.2	4,000.8	3,428.0	3,220.1	3,575.8	3,319.6
Personal computers	5,123.7	4,761.7	4,302.7	4,782.3	4,443.3	5,068.5	6,076.5
Parts of integrated circuits	4,364.5	4,369.0	4,797.8	4,759.4	4,098.2	3,044.4	2,778.3
Diodes and transistors	5,504.3	5,857.5	6,251.2	7,003.3	7,098.7	7,203.3	8,483.4
Non-electronics	80,640.0	75,902.8	74,492.6	76,230.4	76,087.8	77,962.0	93,806.3
Electrical circuit apparatus	5,187.2	5,438.3	5,485.5	5,422.8	5,228.9	5,502.2	6,196.4
Electrical machinery nes	4,738.8	4,429.8	4,582.7	4,980.5	4,913.1	4,987.6	5,214.6
Miscellaneous Manufactures	33,934.6	35,966.4	35,237.3	35,686.0	37,169.2	38,437.5	39,726.7
Professional scientific & controlling instruments & apparatus nes	9,647.7	10,536.4	10,538.6	10,918.6	12,259.4	12,013.9	12,587.6
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	4,615.3	4,572.4	4,765.4	4,898.1	4,392.4	4,644.5	4,837.3
Articles of apparel & clothing acessories	2,985.7	3,649.1	3,272.1	3,350.0	3,334.2	3,570.7	3,601.2
Miscellaneous manufactured articles nes	12,833.1	13,169.2	12,488.6	12,174.4	12,642.6	13,441.3	13,406.8
Miscellaneous	15,444.5	26,030.5	22,307.0	24,600.0	23,955.8	23,636.1	22,932.1

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	2012	2013	2014	2015	2016	2017	2018
Total	519,354.1	525,507.2	526,067.4	491,816.1	466,911.6	515,000.8	555,665.1
Food	6,230.0	7,063.7	8,231.7	8,219.7	7,861.8	8,007.2	12,311.2
Coffee, tea, cocoa, spices & manufactures	1,445.3	1,394.7	1,718.4	1,589.0	1,436.8	1,379.9	1,343.2
Fish, seafood (excl marine mammals) & preparations	444.9	409.5	406.7	512.0	492.2	459.9	472.7
Vegetables & fruits	388.8	411.6	459.6	484.1	505.2	520.3	425.9
Beverages & Tobacco	4,354.7	4,619.0	4,774.3	5,427.2	5,349.2	5,196.6	5,385.6
Beverages	3,311.6	3,501.4	3,506.7	3,749.7	3,711.1	3,688.4	3,899.3
Tobacco & manufactures	1,043.1	1,117.6	1,267.6	1,677.5	1,638.1	1,508.1	1,486.3
Crude Materials	3,030.6	3,643.2	3,472.5	3,572.3	3,942.6	4,471.9	4,756.0
Metalliferous ores & metal scrap	1,303.9	1,340.8	1,356.5	1,172.7	1,072.4	1,256.4	1,245.7
Crude rubber	647.4	581.0	691.8	1,156.2	1,376.7	1,841.1	1,687.8
Crude fertilizers & minerals (excl coal petroleum & precious stones)	341.1	701.7	395.8	281.9	322.3	281.8	187.9
Crude animal & vegetable materials nes	229.9	281.1	247.6	208.6	203.9	205.7	191.3
Mineral Fuels & Lubricants	130,900.7	124,961.7	122,863.1	81,829.1	69,238.5	90,182.2	103,265.7
Petroleum & products [1] & related materials	130,406.8	124,640.9	122,496.3	81,466.2	68,904.8	89,541.3	102,561.5
Animal & Vegetable Oils	403.2	367.7	351.5	274.8	249.1	261.5	258.1
Fixed vegetable fats & oils, crude, refined or fractionated	279.5	243.5	227.3	168.5	148.0	162.5	161.6
Animal or vegetable fats & oils [2] nes	107.6	102.3	103.0	89.7	85.2	84.9	82.9
Chemicals & Chemical Products	67,517.9	63,521.2	67,251.4	65,613.8	64,506.6	70,219.9	79,625.9
Organic chemicals	24,959.8	22,109.1	22,257.5	21,398.0	20,637.3	20,895.3	22,334.5
Plastics in primary forms	14,539.9	15,206.1	17,805.6	15,824.6	15,474.7	17,310.4	18,543.7
Medicinal & pharmaceutical products	11,431.5	9,998.0	10,411.7	10,477.7	9,270.0	9,684.3	13,027.0
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	6,400.5	6,172.8	6,383.2	6,842.1	7,799.4	9,775.6	12,085.4

(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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15.8 MERCHANDISE EXPORTS BY COMMODITY SECTION *(continued)*

Million Dollars

Commodity Section	2012	2013	2014	2015	2016	2017	2018
Manufactured Goods	19,144.6	20,157.8	21,563.7	19,585.6	17,947.8	17,976.1	19,170.7
Non-ferrous metals	3,779.7	4,215.2	4,354.2	4,645.7	3,728.2	3,778.9	3,419.2
Iron & steel	4,770.8	4,476.7	4,310.3	3,209.8	2,617.5	2,501.8	3,400.2
Manufactures of metals nes	4,449.3	4,870.7	4,953.9	4,395.7	3,937.6	4,186.7	4,566.0
Non-metallic mineral manufactures nes	1,545.4	2,093.6	3,452.7	2,785.6	3,321.8	2,925.0	3,302.7
Textile yarn, fabrics, made-up articles nes & related products	1,015.5	1,129.3	1,121.2	1,064.7	1,036.2	983.3	963.1
Paper, paperboard & articles of paper pulp or paperboard pulp	1,975.3	1,983.7	2,011.7	2,031.7	1,966.9	2,216.6	2,090.3
Rubber manufactures nes	1,299.8	1,058.2	1,046.2	1,026.2	995.0	1,061.3	1,103.3
Machinery & Equipment	230,884.9	237,685.1	237,385.1	243,737.6	236,033.7	252,430.0	263,615.6
Electronics	153,270.4	161,591.7	161,803.4	165,382.1	157,766.0	169,606.3	169,356.3
Integrated circuits	87,410.2	96,332.2	98,813.3	100,754.5	96,443.3	107,735.6	109,443.2
Parts of personal computers	18,442.0	15,876.0	13,768.4	12,851.1	11,194.4	12,041.9	10,884.8
Disk drives	5,116.9	4,550.8	4,190.4	4,334.8	3,425.0	3,357.7	2,796.7
Telecommunications equipment [3]	10,047.4	10,038.0	10,093.5	13,423.3	13,111.4	13,047.0	14,289.1
Consumer electronics [4]	4,395.3	4,245.4	3,767.6	3,316.1	3,446.3	3,509.0	3,157.2
Personal computers	5,593.6	6,583.5	6,658.0	8,318.2	7,689.9	7,491.0	7,650.7
Parts of integrated circuits	6,124.9	7,639.3	7,223.3	3,357.3	2,706.8	2,695.6	2,429.0
Diodes and transistors	8,280.9	8,548.3	10,083.6	11,650.0	12,406.9	11,312.7	10,112.7
Non-electronics	77,614.5	76,093.4	75,581.7	78,355.5	78,267.7	82,823.7	94,259.3
Electrical circuit apparatus	7,325.8	6,557.7	6,134.5	5,884.0	5,973.7	6,197.2	7,860.8
Electrical machinery nes	6,739.5	6,240.9	7,060.5	8,067.4	8,079.4	8,900.6	7,574.2
Miscellaneous Manufactures	38,615.1	40,525.6	41,002.7	41,897.3	42,970.6	45,846.3	47,852.7
Professional scientific & controlling instruments & apparatus nes	13,233.3	14,278.8	14,813.7	15,365.8	15,808.5	17,641.8	19,037.2
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	4,343.7	4,738.9	4,941.3	5,137.2	4,691.7	5,055.2	5,138.8
Articles of apparel & clothing accessories	1,667.9	1,591.2	1,704.7	1,854.6	1,930.1	2,119.2	2,080.3
Miscellaneous manufactured articles nes	17,845.0	17,058.0	16,719.5	17,369.7	17,828.3	18,169.7	18,464.3
Miscellaneous	18,272.4	22,962.1	19,171.3	21,658.9	18,811.5	20,409.2	19,423.6

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.

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	2012	2013	2014	2015	2016	2017	2018
Total	285,168.9	271,216.8	269,778.1	237,732.9	223,933.3	259,301.9	281,137.8
Food	4,202.6	4,948.3	5,867.1	5,746.3	5,752.8	5,922.1	10,269.3
Coffee, tea, cocoa, spices & manufactures	852.0	853.2	999.2	874.0	885.9	865.1	856.0
Fish, seafood (excl marine mammals) & preparations	183.6	153.2	143.9	159.9	190.2	198.3	221.3
Vegetables & fruits	37.4	43.4	48.7	52.1	47.4	48.1	44.6
Beverages & Tobacco	554.7	579.1	655.0	1,026.3	854.4	643.4	600.6
Beverages	239.3	241.5	240.1	254.3	243.0	214.0	168.2
Tobacco & manufactures	315.5	337.6	414.9	771.9	611.4	429.5	432.4
Crude Materials	1,654.3	1,798.3	2,073.9	2,044.9	2,113.7	2,642.2	2,489.7
Metalliferous ores & metal scrap	1,224.9	1,267.9	1,262.0	1,114.0	1,016.1	1,181.7	1,180.8
Crude rubber	7.1	92.3	409.5	594.7	714.6	1,036.6	967.7
Crude fertilizers & minerals (excl coal petroleum & precious stones)	126.9	167.6	128.6	85.5	136.8	181.0	99.5
Crude animal & vegetable materials nes	54.5	47.7	51.9	51.6	41.1	34.5	38.3
Mineral Fuels & Lubricants	106,814.5	106,476.6	106,986.8	72,503.8	63,374.8	84,566.1	99,004.6
Petroleum & products [1] & related materials	106,322.8	106,157.6	106,622.3	72,240.8	63,107.5	84,200.8	98,736.2
Animal & Vegetable Oils	226.8	227.6	217.4	163.0	155.3	169.1	180.1
Fixed vegetable fats & oils, crude, refined or fractionated	108.1	109.9	98.2	65.3	62.0	76.4	88.2
Animal or vegetable fats & oils [2] nes	105.1	98.5	98.9	81.9	79.3	79.4	79.4
Chemicals & Chemical Products	50,685.7	46,396.6	49,382.2	47,629.0	45,250.5	48,180.2	54,541.6
Organic chemicals	22,082.1	19,064.3	19,058.6	18,840.5	18,288.6	18,572.7	19,816.7
Plastics in primary forms	9,050.4	10,346.6	13,033.0	11,668.8	10,759.6	11,781.6	12,230.8
Medicinal & pharmaceutical products	10,169.1	8,501.1	8,971.4	8,157.8	6,929.6	7,122.4	10,294.2
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	2,976.5	2,358.0	2,017.3	2,091.9	2,177.9	2,579.4	3,091.9

(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	2012	2013	2014	2015	2016	2017	2018
Manufactured Goods	5,980.0	6,243.2	6,507.4	6,094.5	5,547.6	5,569.4	5,592.0
Non-ferrous metals	785.7	744.8	878.9	730.7	666.7	737.2	720.8
Iron & steel	799.1	735.1	845.7	689.7	645.6	612.5	698.1
Manufactures of metals nes	1,937.8	2,340.5	2,389.2	2,056.0	1,814.3	2,046.9	1,902.1
Non-metallic mineral manufactures nes	665.3	541.1	437.7	590.3	569.7	408.7	517.3
Textile yarn, fabrics, made-up articles nes & related products	324.4	367.2	420.2	424.9	401.1	426.8	387.3
Paper, paperboard & articles of paper pulp or paperboard pulp	1,065.9	1,046.7	1,064.6	1,133.9	1,011.3	862.6	860.9
Rubber manufactures nes	275.1	309.2	324.4	325.3	313.3	347.1	371.8
Machinery & Equipment	87,557.9	78,863.5	73,567.0	75,867.4	72,538.0	78,877.4	75,864.9
Electronics	53,590.9	48,871.9	44,058.7	44,045.1	41,952.1	45,281.6	41,862.7
Integrated circuits	25,006.0	22,534.7	20,863.1	21,906.6	21,822.3	25,847.6	24,913.8
Parts of personal computers	9,643.4	7,084.1	5,528.9	4,420.4	4,071.6	4,215.5	3,004.6
Disk drives	3,103.8	2,440.4	1,910.0	1,670.3	1,146.1	949.5	773.6
Telecommunications equipment [3]	2,644.0	1,528.9	1,453.9	2,220.8	2,176.0	2,016.4	2,127.3
Consumer electronics [4]	1,163.8	1,214.7	843.2	640.0	849.7	793.2	678.5
Personal computers	2,461.3	3,698.4	3,784.1	5,187.9	4,522.7	4,568.3	4,520.5
Parts of integrated circuits	3,804.1	4,259.9	3,933.8	1,465.9	1,246.2	1,355.3	1,074.6
Diodes and transistors	2,991.6	3,278.5	3,412.2	3,940.6	3,869.4	3,458.9	2,704.7
Non-electronics	33,967.1	29,991.6	29,508.3	31,822.3	30,585.9	33,595.9	34,002.2
Electrical circuit apparatus	3,001.2	2,800.3	2,316.8	2,115.5	1,905.4	2,031.5	2,118.6
Electrical machinery nes	3,012.8	2,447.7	2,911.0	2,993.1	3,007.0	3,976.7	3,093.0
Miscellaneous Manufactures	22,127.9	21,159.8	19,800.9	19,859.9	19,909.5	21,683.5	23,553.5
Professional scientific & controlling instruments & apparatus nes	7,789.7	8,175.7	8,014.2	8,097.9	8,247.2	9,389.2	10,340.1
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	1,609.7	1,494.6	1,674.7	1,707.8	1,487.6	1,800.2	1,818.1
Articles of apparel & clothing accessories	163.2	178.0	165.9	141.2	184.6	172.8	168.6
Miscellaneous manufactured articles nes	12,200.4	9,746.5	9,570.1	9,579.5	9,645.7	10,008.0	10,980.4
Miscellaneous	5,364.4	4,523.8	4,720.4	6,797.8	8,436.8	11,048.5	9,041.5

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	2012	2013	2014	2015	2016	2017	2018
Total	234,185.3	254,290.4	256,289.3	254,083.3	242,978.4	255,698.9	274,527.2
Food	2,027.4	2,115.4	2,364.6	2,473.4	2,109.0	2,085.1	2,041.9
Coffee, tea, cocoa, spices & manufactures	593.4	541.4	719.2	715.0	550.9	514.9	487.2
Fish, seafood (excl marine mammals) & preparations	261.4	256.3	262.8	352.1	302.1	261.6	251.5
Vegetables & fruits	351.5	368.1	410.8	432.0	457.8	472.2	381.3
Beverages & Tobacco	3,800.0	4,040.0	4,119.3	4,400.9	4,494.8	4,553.1	4,785.0
Beverages	3,072.4	3,259.9	3,266.6	3,495.4	3,468.1	3,474.5	3,731.1
Tobacco & manufactures	727.6	780.0	852.6	905.5	1,026.7	1,078.7	1,053.9
Crude Materials	1,376.3	1,844.9	1,398.6	1,527.3	1,829.0	1,829.7	2,266.2
Metalliferous ores & metal scrap	79.0	72.9	94.6	58.8	56.3	74.8	64.8
Crude rubber	640.3	488.7	282.3	561.5	662.1	804.6	720.2
Crude fertilizers & minerals (excl coal petroleum & precious stones)	214.3	534.1	267.2	196.4	185.5	100.8	88.4
Crude animal & vegetable materials nes	175.4	233.4	195.7	157.0	162.8	171.2	153.0
Mineral Fuels & Lubricants	24,086.2	18,485.2	15,876.3	9,325.3	5,863.7	5,616.1	4,261.1
Petroleum & products & related materials	24,084.0	18,483.3	15,873.9	9,225.4	5,797.3	5,340.5	3,825.3
Animal & Vegetable Oils	176.4	140.0	134.2	111.8	93.9	92.5	78.1
Fixed vegetable fats & oils, crude, refined or fractionated	171.4	133.6	129.0	103.1	86.0	86.1	73.5
Animal or vegetable fats & oils [1] nes	2.4	3.8	4.1	7.7	5.9	5.5	3.5
Chemicals & Chemical Products	16,832.2	17,124.6	17,869.2	17,984.8	19,256.1	22,039.7	25,084.3
Organic chemicals	2,877.8	3,044.8	3,198.9	2,557.5	2,348.7	2,322.6	2,517.7
Plastics in primary forms	5,489.6	4,859.5	4,772.6	4,155.8	4,715.1	5,528.8	6,313.0
Medicinal & pharmaceutical products	1,262.4	1,496.8	1,440.3	2,319.9	2,340.4	2,561.9	2,732.8
Essential oils & resinoids & perfume materials; toilet polishing & cleansing preparations	3,424.0	3,814.9	4,365.8	4,750.2	5,621.5	7,196.1	8,993.5

(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	2012	2013	2014	2015	2016	2017	2018
Manufactured Goods	13,164.7	13,914.6	15,056.3	13,491.1	12,400.2	12,406.7	13,578.7
Non-ferrous metals	2,994.0	3,470.4	3,475.3	3,915.0	3,061.5	3,041.7	2,698.4
Iron & steel	3,971.7	3,741.6	3,464.7	2,520.1	1,971.9	1,889.3	2,702.0
Manufactures of metals nes	2,511.4	2,530.1	2,564.7	2,339.7	2,123.3	2,139.8	2,663.9
Non-metallic mineral manufactures nes	880.1	1,552.4	3,015.1	2,195.4	2,752.1	2,516.3	2,785.4
Textile yarn, fabrics, made-up articles nes & related products	691.1	762.1	701.0	639.8	635.2	556.5	575.8
Paper, paperboard & articles of paper pulp or paperboard pulp	909.4	937.0	947.0	897.8	955.6	1,354.0	1,229.4
Rubber manufactures nes	1,024.7	749.0	721.8	700.8	681.6	714.3	731.5
Machinery & Equipment	143,327.0	158,821.6	163,818.1	167,870.2	163,495.8	173,552.5	187,750.7
Electronics	99,679.5	112,719.9	117,744.7	121,337.1	115,813.9	124,324.7	127,493.6
Integrated circuits	62,404.3	73,797.5	77,950.2	78,847.9	74,621.0	81,888.0	84,529.4
Parts of personal computers	8,798.6	8,791.8	8,239.5	8,430.7	7,122.8	7,826.4	7,880.2
Disk drives	2,013.2	2,110.4	2,280.4	2,664.5	2,278.9	2,408.2	2,023.1
Telecommunications equipment [2]	7,403.4	8,509.2	8,639.6	11,202.5	10,935.4	11,030.6	12,161.7
Consumer electronics [3]	3,231.6	3,030.7	2,924.4	2,676.1	2,596.6	2,715.8	2,478.7
Personal computers	3,132.2	2,885.2	2,873.9	3,130.3	3,167.2	2,922.7	3,130.2
Parts of integrated circuits	2,320.8	3,379.4	3,289.4	1,891.4	1,460.6	1,340.4	1,354.3
Diodes and transistors	5,289.2	5,269.8	6,671.4	7,709.4	8,537.5	7,853.8	7,408.0
Non-electronics	43,647.4	46,101.7	46,073.4	46,533.1	47,681.8	49,227.9	60,257.1
Electrical circuit apparatus	4,324.6	3,757.4	3,817.7	3,768.4	4,068.4	4,165.7	5,742.2
Electrical machinery nes	3,726.7	3,793.2	4,149.4	5,074.3	5,072.4	4,923.9	4,481.2
Miscellaneous Manufactures	16,487.2	19,365.8	21,201.7	22,037.3	23,061.1	24,162.9	24,299.2
Professional scientific & controlling instruments & apparatus nes	5,443.6	6,103.1	6,799.5	7,267.9	7,561.3	8,252.5	8,697.1
Photographic apparatus equipment & supplies & optical goods nes; watches & clocks	2,734.0	3,244.3	3,266.6	3,429.4	3,204.1	3,254.9	3,320.7
Articles of apparel & clothing accessories	1,504.6	1,413.3	1,538.8	1,713.4	1,745.4	1,946.4	1,911.8
Miscellaneous manufactured articles nes	5,644.6	7,311.5	7,149.4	7,790.2	8,182.6	8,161.7	7,483.9
Miscellaneous	12,908.0	18,438.3	14,450.9	14,861.1	10,374.8	9,360.6	10,382.1

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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15.11 TRADE IN SERVICES

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total Trade in Services	327,866.3	365,055.0	406,020.8	432,922.3	432,092.0	484,656.1	494,640.9
Exports of Services	161,769.2	177,719.3	194,843.2	210,622.7	214,361.0	236,896.1	246,210.7
Imports of Services	166,097.1	187,335.7	211,177.6	222,299.6	217,731.0	247,760.0	248,430.2

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

	2012	2013	2014	2015	2016	2017	2018
Exports Of Services	161,769.2	177,719.3	194,843.2	210,622.7	214,361.0	236,896.1	246,210.7
Manufacturing Services On Physical Inputs Owned By Others	249.6	283.2	424.4	346.5	284.8	243.2	260.2
Maintenance And Repair Services	9,053.1	10,767.2	9,853.1	9,315.2	8,742.4	8,493.1	9,176.9
Transport	55,586.3	57,830.9	63,918.8	64,097.1	57,313.2	66,895.1	69,865.9
Freight	42,864.3	45,929.4	50,917.2	50,798.1	43,741.7	50,646.5	52,161.6
Others	12,722.0	11,901.5	13,001.6	13,299.0	13,571.5	16,248.6	17,704.3
Travel	23,487.3	24,063.3	24,277.4	22,845.5	26,171.6	27,467.9	27,537.5
Insurance	3,396.6	3,634.5	4,241.5	5,312.7	6,114.7	6,456.8	7,195.8
Government Goods And Services	382.8	391.5	395.3	397.0	405.0	408.7	412.0
Construction	1,922.3	2,135.6	1,474.4	1,172.2	1,363.2	1,058.3	1,015.7
Financial	20,694.6	23,611.1	26,664.5	28,879.7	30,105.6	34,396.1	36,579.7
Telecommunications, Computer & Information	8,403.2	9,552.3	10,094.6	12,199.0	16,154.5	17,603.6	17,804.7
Charges For The Use Of Intellectual Property	3,514.6	4,272.5	4,953.5	11,894.1	10,074.3	11,086.5	11,759.9
Personal, Cultural And Recreational	598.6	636.5	801.4	852.8	837.3	708.9	710.4
Other Business Services	34,480.2	40,540.7	47,744.3	53,310.9	56,794.4	62,077.9	63,892.0
Accounting	407.3	400.3	332.2	307.3	332.9	323.9	340.2
Advertising And Market Research	2,859.9	4,770.1	7,954.3	10,231.9	14,016.3	18,827.6	19,441.7
Architectural	354.1	312.5	389.6	382.0	442.0	389.6	398.4
Business Management	16,451.4	20,139.2	21,122.2	23,455.8	23,971.8	24,679.9	25,248.9
Engineering And Technical	4,195.5	5,059.4	6,021.0	5,183.1	4,974.0	3,970.1	4,102.8
Legal	600.1	643.4	676.8	766.8	870.8	977.5	1,079.6
Research And Development	749.9	1,148.6	914.6	1,054.5	944.4	1,059.9	1,305.9
Operating Leasing	3,117.9	3,738.2	4,902.5	5,883.3	5,686.9	5,479.7	5,506.9
Trade-related	5,489.9	3,928.1	4,899.9	5,469.1	4,890.2	5,543.4	5,624.2
Others	254.2	400.9	531.2	577.1	665.1	826.3	843.4

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15.13 IMPORTS OF SERVICES BY SERVICES CATEGORY

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Imports Of Services	166,097.1	187,335.7	211,177.6	222,299.6	217,731.0	247,760.0	248,430.2
Manufacturing Services On Physical Inputs Owned By Others	5,349.2	6,500.5	7,846.8	8,341.2	7,730.1	8,162.0	8,735.4
Maintenance And Repair Services	837.0	845.2	880.7	929.3	950.0	917.7	923.5
Transport	44,508.4	49,280.7	57,822.3	65,611.6	60,334.4	72,784.8	73,266.5
Freight	26,273.1	29,938.6	36,584.5	43,581.5	38,343.2	49,017.7	48,210.1
Others	18,235.3	19,342.1	21,237.8	22,030.1	21,991.2	23,767.1	25,056.4
Travel	28,915.8	30,540.3	32,368.7	32,524.9	33,097.7	33,954.7	34,188.0
Insurance	3,498.3	4,257.3	3,609.4	4,376.7	6,057.2	5,522.6	6,057.2
Government Goods And Services	256.8	287.0	295.1	274.7	310.5	293.4	306.5
Construction	648.8	679.8	497.6	466.9	514.1	509.0	565.8
Financial	4,034.2	4,647.2	5,502.0	6,194.0	6,374.2	7,752.6	8,831.5
Telecommunications, Computer & Information	9,515.9	11,792.6	20,311.2	14,932.2	17,883.2	20,393.0	20,634.5
Charges For The Use Of Intellectual Property	28,874.5	28,769.9	26,452.9	26,672.0	21,458.9	20,609.8	20,473.2
Personal, Cultural And Recreational	557.9	584.1	625.3	685.2	540.5	583.2	615.0
Other Business Services	39,100.3	49,151.1	54,965.6	61,290.9	62,480.2	76,277.2	73,833.1
Accounting	270.8	260.1	290.8	331.0	395.4	763.8	784.6
Advertising And Market Research	3,057.0	3,101.4	3,418.6	3,808.8	4,268.1	4,666.1	4,717.9
Architectural	84.6	78.8	56.9	46.9	85.2	43.6	45.0
Business Management	14,672.4	15,750.8	17,318.3	18,749.9	19,300.6	20,741.9	21,351.9
Engineering And Technical	2,340.1	2,755.6	3,336.6	3,286.9	3,377.7	3,718.4	3,870.6
Legal	663.9	262.6	298.7	315.4	336.9	361.7	373.0
Research And Development	5,949.2	11,677.6	10,651.6	17,126.5	15,359.5	24,878.5	21,071.1
Operating Leasing	3,109.3	4,437.6	7,581.7	5,177.4	5,000.3	6,068.2	6,095.5
Trade-related	8,792.7	10,573.2	11,747.5	12,097.0	13,940.5	14,658.0	15,138.4
Others	160.3	253.4	264.9	351.1	416.0	377.0	385.1

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15.14 EXPORTS OF SERVICES BY MAJOR TRADING PARTNER

Million Dollars

Trading Partner	2011	2012	2013	2014	2015	2016	2017
Asia	48,318.2	50,496.3	55,949.9	62,802.7	69,881.1	71,516.9	80,679.5
Brunei Darussalam	468.5	464.1	474.4	520.4	465.4	419.8	440.0
Cambodia	109.2	115.0	89.2	86.3	114.3	115.5	125.9
China	6,961.0	7,484.2	9,198.9	10,923.6	11,893.8	10,760.3	16,566.4
Hong Kong	5,104.8	5,156.3	5,184.6	5,841.4	7,260.0	7,386.6	7,818.8
India	4,244.7	4,375.0	4,857.4	4,276.0	4,236.4	4,399.4	5,102.0
Indonesia	3,537.8	4,062.7	4,535.8	4,837.1	5,032.0	5,052.7	4,926.4
Japan	7,539.2	8,251.8	9,310.7	11,259.2	13,925.6	16,240.7	19,850.2
Korea, Republic of	2,551.5	2,731.0	2,840.0	3,380.1	3,138.6	2,886.2	3,018.2
Malaysia	3,942.6	4,348.8	4,576.2	5,020.2	5,390.1	5,584.6	5,594.4
Myanmar	218.3	225.7	371.3	377.2	428.2	524.2	398.9
Philippines	1,232.5	1,247.7	1,387.9	1,628.9	1,801.9	1,814.6	1,854.0
Saudi Arabia	741.4	559.8	599.6	593.6	572.4	520.7	430.2
Taiwan	2,060.7	2,122.7	2,165.1	2,557.1	2,510.2	2,611.4	2,795.7
Thailand	2,634.0	3,009.7	3,147.3	3,528.4	3,829.2	3,638.8	3,906.4
United Arab Emirates	1,698.6	1,874.0	1,694.8	1,665.2	1,697.3	2,145.9	1,783.3
Viet Nam	1,324.9	1,516.5	1,732.5	1,950.7	2,263.0	2,313.5	2,657.4
Europe	29,668.6	31,890.8	36,808.6	39,669.5	45,485.6	46,391.2	50,248.1
Belgium	483.4	392.4	511.8	605.6	603.3	563.7	652.5
Denmark	1,840.4	1,534.8	1,606.1	1,632.9	1,881.3	2,288.0	2,374.4
France	1,329.7	1,565.0	1,674.0	1,849.5	2,206.1	2,180.5	2,457.6
Germany	3,502.9	3,470.7	3,822.8	3,963.5	3,398.9	3,868.9	3,864.4
Italy	570.6	679.7	692.4	750.7	704.9	721.2	994.6
Netherlands	2,472.1	2,435.9	2,775.5	2,993.2	3,025.0	3,061.7	3,480.1
Norway	1,506.1	1,693.2	2,064.9	2,301.3	2,556.8	2,007.7	1,677.3
Switzerland	3,331.7	4,269.8	5,075.0	6,059.1	6,801.9	6,137.3	7,848.9
United Kingdom	8,218.3	8,311.3	10,704.1	11,170.5	10,424.5	9,896.5	10,586.8
North America	17,873.2	20,382.9	21,884.3	23,624.7	24,194.7	25,092.3	26,319.4
United States of America	16,713.3	19,208.2	20,624.1	22,238.0	22,929.1	23,781.4	24,629.5
Canada	1,157.8	1,172.1	1,260.0	1,385.9	1,257.9	1,307.9	1,631.3
Oceania	12,145.3	14,041.0	14,634.6	15,825.8	15,932.6	18,718.0	23,073.5
Australia	10,279.6	11,454.5	11,896.1	13,080.1	12,949.5	15,519.0	19,187.2
New Zealand	959.1	1,228.2	1,299.7	1,542.8	1,775.5	1,993.0	2,435.6

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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	2011	2012	2013	2014	2015	2016	2017
South and Central America and the Caribbean	4,996.4	5,442.3	7,032.6	7,990.1	8,451.8	7,429.0	8,748.3
Panama	231.7	316.5	317.5	318.8	354.6	280.7	468.3
Africa	3,422.2	3,681.9	4,681.0	6,000.7	7,472.1	3,732.5	3,357.6
South Africa	410.0	437.7	642.4	610.5	576.9	498.2	529.9
ASEAN [1]	13,529.8	15,062.5	16,331.3	17,976.9	19,387.0	19,514.6	19,933.2
European Union (EU-28) [2]	23,568.8	24,589.3	28,164.7	30,052.1	35,022.5	37,097.1	39,593.8

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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15.15 IMPORTS OF SERVICES BY MAJOR TRADING PARTNER

Million Dollars

Trading Partner	2011	2012	2013	2014	2015	2016	2017
Asia	34,902.8	36,390.3	40,683.5	48,565.4	52,852.1	54,011.6	60,980.1
Brunei Darussalam	41.3	58.3	48.9	53.1	67.1	96.6	73.5
Cambodia	133.2	127.8	63.5	65.8	82.1	89.3	108.2
China	6,432.7	6,996.2	7,983.0	10,355.7	10,883.3	9,635.2	12,033.5
Hong Kong	3,944.7	4,233.6	5,096.7	7,674.3	8,664.1	8,802.3	10,076.7
India	2,979.5	3,039.8	3,555.7	3,839.5	4,035.6	4,521.1	5,186.3
Indonesia	1,733.9	1,816.8	1,920.0	1,990.2	2,170.2	2,061.6	2,104.5
Japan	6,783.8	6,482.1	6,420.7	6,792.9	7,015.0	7,395.3	7,997.5
Korea, Republic of	2,197.6	2,459.6	2,608.7	3,292.3	3,312.0	3,644.8	4,002.2
Malaysia	2,342.2	2,568.6	2,743.8	2,793.6	3,173.6	3,449.3	3,570.1
Myanmar	76.6	81.4	152.3	159.5	217.7	277.4	256.4
Philippines	890.5	874.5	1,202.2	996.8	1,198.8	1,410.7	1,487.8
Saudi Arabia	209.8	165.3	187.7	254.5	615.2	367.5	395.6
Taiwan	2,306.9	2,095.3	2,544.5	3,441.5	3,827.5	4,203.2	4,538.6
Thailand	1,401.6	1,439.6	1,460.4	1,972.3	2,221.6	2,350.2	2,633.5
United Arab Emirates	1,285.5	1,445.0	1,918.3	1,850.2	1,972.3	2,292.0	2,180.8
Viet Nam	729.8	918.2	884.7	926.3	916.9	1,011.9	1,367.0
Europe	31,957.0	35,344.7	44,479.7	50,558.2	52,409.6	45,930.8	51,604.5
Belgium	380.2	359.7	573.6	721.5	715.2	619.5	869.0
Denmark	938.8	1,101.7	1,338.0	1,454.0	1,666.7	1,404.6	1,724.8
France	2,851.6	3,460.2	3,589.8	4,181.3	3,781.9	3,951.3	3,185.2
Germany	3,065.6	2,806.9	3,075.7	3,522.9	3,125.6	3,353.0	3,910.0
Italy	520.4	469.2	471.0	969.6	533.6	550.8	638.5
Netherlands	6,370.6	7,893.8	9,497.0	9,542.9	12,144.7	10,980.3	13,376.0
Norway	1,020.8	963.4	1,200.4	1,323.5	1,320.3	1,220.4	1,383.6
Switzerland	3,517.2	4,281.5	5,942.8	5,912.6	6,250.5	5,343.4	6,456.6
United Kingdom	8,165.4	7,247.3	8,330.6	6,632.1	7,163.4	6,308.1	6,784.7
North America	21,297.3	30,497.7	30,780.3	37,267.2	41,606.3	41,145.8	45,730.2
United States of America	20,617.1	29,605.1	29,705.6	35,904.1	40,598.8	40,069.5	44,534.0
Canada	680.2	697.3	1,074.5	1,176.9	1,004.8	1,051.9	1,192.9
Oceania	5,312.4	6,069.5	6,886.7	7,620.1	8,064.5	8,676.3	9,302.6
Australia	4,197.7	4,676.2	5,313.8	5,567.1	5,191.0	5,381.3	5,655.3
New Zealand	508.7	553.4	487.8	517.5	655.8	676.3	552.6

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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	2011	2012	2013	2014	2015	2016	2017
South and Central America and the Caribbean	11,691.9	13,349.8	16,499.7	15,597.8	11,851.1	14,275.0	20,406.3
Panama	457.0	510.6	950.4	1,233.6	1,202.9	1,461.6	1,750.9
Africa	1,496.2	1,764.9	2,648.4	3,310.7	3,108.4	3,106.6	3,584.9
South Africa	162.6	236.3	323.2	329.5	307.2	266.5	304.7
ASEAN [1]	7,371.1	7,923.9	8,667.8	8,965.7	10,056.5	10,761.4	11,607.6
European Union (EU-28) [2]	26,136.2	28,589.1	35,234.9	40,804.3	41,938.3	36,702.3	40,454.5

Notes : Figures presented in this table are solely compiled from the International Trade in Services Survey.

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

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

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Transport

Transport

16

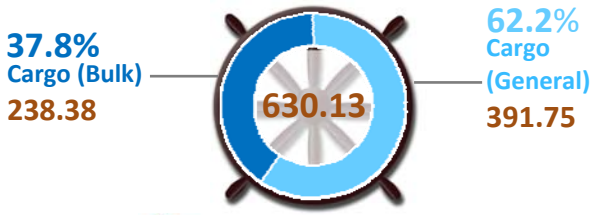
Maritime Statistics

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, 2018
(Million Tonnes)



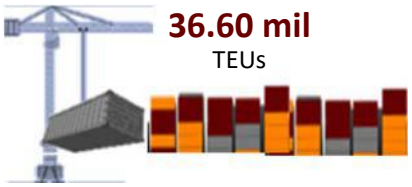
Definitions

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

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, 2018



Bunker sales: Refers to the volume of bunkers delivered within the Port of Singapore to vessels that are on international voyages.

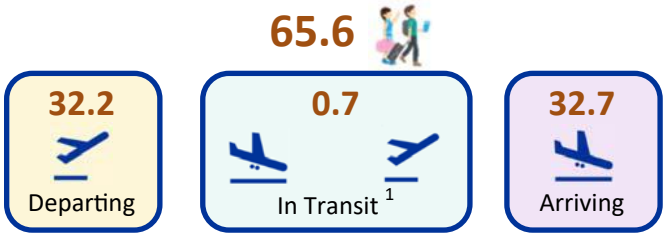
Singapore Registry of Ships: Refers to the total number and tonnage of vessels registered under the Singapore flag.

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 Passengers, 2018
(Million)



[1] Refers to passengers who arrived and departed on the same aircraft with the same flight number within 24 hours of scheduled time of arrival, to a country other than the country from which they embarked.

Air Cargo Handled [2], 2018

2,154,879 Tonnes

[2] Refers to Changi Airport only. Excludes passenger baggage, diplomatic cargo and aircraft stores.

Public Roads

Public roads [3] are classified into expressways, arterial roads, collector roads and local access roads. Data on public roads refer to the length of roads measured in lane-kilometres.

Paved Roads, 2018

9,405 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.

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 Fatalities, 2018	Total Injured, 2018
124	10,018

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 [4], 2018

957,006

[3] 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.

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

16.1 SEA CARGO AND SHIPPING STATISTICS

	Unit	2012	2013	2014	2015	2016	2017	2018
Total Cargo	'000 Tonnes	538,012	560,888	581,268	575,846	593,297	627,688	630,125
General	'000 Tonnes	353,542	365,116	384,418	361,859	353,244	376,046	391,745
Bulk	'000 Tonnes	184,471	195,772	196,850	213,987	240,053	251,642	238,380
Total Container Throughput	'000 TEUs	31,649	32,579	33,869	30,922	30,904	33,667	36,599
Bunker Sales	'000 Tonnes	42,685	42,682	42,417	45,155	48,615	50,636	49,799
Singapore Registry of Ships	No.	4,232	4,379	4,595	4,739	4,717	4,578	4,456
(End of Period)	'000 GT	65,018	73,615	82,249	86,300	88,023	88,808	90,944

Source : Maritime and Port Authority of Singapore

Notes : TEU refers to Twenty-Foot Equivalent Unit
GT refers to Gross Tonnage

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16.2 VESSEL ARRIVALS [1] BY TYPE

	2012	2013	2014	2015	2016	2017	2018
	Number						
Total	130,422	139,417	134,883	132,922	138,998	145,147	140,768
Container [2]	18,567	17,798	17,219	17,722	17,932	17,663	17,908
Freighter [3]	8,103	7,990	7,591	7,900	8,686	7,427	7,034
Bulk Carrier [4]	13,722	14,530	14,803	16,560	16,960	16,011	15,075
Tanker [5]	22,230	22,617	22,218	22,062	23,695	24,411	24,165
Passenger [6]	36,618	44,492	41,934	38,868	41,717	45,329	46,814
Barge [7]	10,668	10,838	10,186	9,558	9,496	9,217	8,674
Tug [8]	11,102	11,732	11,101	10,891	11,343	10,887	9,964
Miscellaneous [9]	9,412	9,420	9,831	9,361	9,169	14,202	11,134
	Shipping Tonnage ('000 GT)						
Total	2,254,353	2,326,121	2,371,107	2,504,155	2,662,695	2,799,585	2,791,966
Container [2]	684,720	709,935	739,547	774,773	819,014	839,861	880,963
Freighter [3]	41,229	43,201	40,608	41,851	50,694	44,013	40,523
Bulk Carrier [4]	654,655	683,385	694,154	775,329	819,883	804,339	762,439
Tanker [5]	693,839	704,844	707,464	719,445	780,849	875,841	881,621
Passenger [6]	29,198	33,563	29,879	32,213	36,171	41,890	53,635
Barge [7]	18,174	18,959	17,562	15,763	15,177	14,619	13,428
Tug [8]	2,748	2,742	2,505	2,477	2,699	2,547	2,456
Miscellaneous	129,791	129,492	139,389	142,303	138,207	176,476	156,901

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]

	2012	2013	2014	2015	2016	2017	2018
	Number						
Cargo	50,562	50,288	49,890	48,842	49,830	54,120	49,779
Repairs	6,657	6,881	6,335	4,141	3,762	3,507	2,784
Bunkers	38,082	38,614	38,299	40,763	42,380	40,736	39,471
Supplies	24,166	26,334	27,340	29,756	31,265	30,946	28,819
Others	69,885	78,904	77,457	77,696	81,821	85,016	88,072
	Shipping Tonnage ('000 GT)						
Cargo	1,009,294	1,058,170	1,101,282	1,132,433	1,178,540	1,254,662	1,259,066
Repairs	34,886	34,076	40,247	40,898	30,221	33,714	29,829
Bunkers	1,643,832	1,692,737	1,691,125	1,784,106	1,884,256	1,961,110	1,966,403
Supplies	823,949	933,729	973,573	1,065,789	1,137,293	1,197,806	1,122,157
Others	810,699	920,117	1,076,411	1,230,833	1,274,139	1,350,888	1,427,377

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14518

16.4 CIVIL AIRCRAFT ARRIVALS/DEPARTURES, PASSENGERS AND MAIL

	Unit	2012	2013	2014	2015	2016	2017	2018
Total Aircraft Arrivals And Departures [1]	No.	324,722	343,765	341,386	346,334	360,490	373,201	386,042
Arrivals	No.	162,349	171,850	170,680	173,152	180,251	186,591	193,000
Departures	No.	162,373	171,915	170,706	173,182	180,239	186,610	193,042
Total Passengers	'000	51,182	53,726	54,093	55,449	58,698	62,220	65,627
Arriving	'000	25,056	26,500	26,669	27,491	29,204	30,960	32,675
Departing	'000	24,854	26,275	26,620	27,344	28,954	30,614	32,215
In Transit [2]	'000	1,272	951	804	613	540	646	738
Total Mail	Tonnes	35,633	35,743	36,331	33,845	36,891	39,773	40,093
In-coming	Tonnes	15,789	14,770	14,168	14,459	14,901	13,615	13,673
Out-going	Tonnes	19,844	20,973	22,163	19,386	21,990	26,158	26,420

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.

1 Refers to commercial passenger and cargo aircraft arrivals/departures.

2 Refers to passengers who arrived and departed on the same aircraft with the same flight number within 24 hours of scheduled time of arrival, to a country other than the country from which they embarked.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15260

16.5 AIR CARGO DISCHARGED BY REGION/COUNTRY OF ORIGIN

Tonnes

Region/Country	2012	2013	2014	2015	2016	2017	2018
Total	975,842	995,808	1,004,559	1,015,296	1,083,999	1,155,749	1,164,765
South East Asia	161,444	150,642	162,186	155,838	163,745	177,038	187,588
Indonesia	58,058	57,735	57,303	53,803	55,215	51,675	52,122
Malaysia	14,457	13,836	15,331	16,711	17,401	17,303	19,771
Philippines	12,648	11,360	11,684	11,032	11,401	13,207	16,305
Thailand	57,062	46,545	53,929	51,299	53,440	64,405	66,783
Viet Nam	15,370	16,865	19,468	18,336	20,292	23,151	24,742
North East Asia	458,739	465,479	478,074	470,155	486,635	521,409	511,758
China	152,143	153,717	154,635	147,863	152,348	169,646	168,161
Hong Kong	135,449	138,482	140,056	139,585	140,873	145,491	137,755
Japan	60,775	63,751	72,660	78,870	85,340	95,142	90,655
South Asia	62,796	70,103	64,752	62,486	71,894	81,400	84,695
Middle East	26,936	30,280	30,691	34,671	39,980	46,297	50,349
Oceania	85,871	93,229	97,156	121,314	133,401	130,985	133,087
Europe	150,280	160,725	151,968	152,347	163,696	171,653	160,768
France	8,208	8,446	9,095	8,748	8,113	9,622	10,012
Germany	25,276	27,567	16,807	14,681	15,680	17,800	17,548
United Kingdom	22,902	27,436	25,449	25,224	22,757	27,132	34,141
North America	25,183	21,510	16,678	15,885	19,010	21,530	27,900
Other Regions	4,593	3,840	3,055	2,598	3,059	3,262	6,704
Not Stated	na	na	na	na	2,579	2,174	1,917

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.
Data exclude passenger baggage, diplomatic cargo and aircraft stores.
Data breakdown is only available for the 11 countries listed above, and they do not sum up to the total of the respective regions.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15258

16.6 AIR CARGO LOADED BY REGION/COUNTRY OF DESTINATION

Tonnes

Region/Country	2012	2013	2014	2015	2016	2017	2018
Total	853,278	841,894	839,240	837,791	885,435	969,477	990,114
South East Asia	187,900	185,273	182,370	175,283	179,785	187,053	189,457
Indonesia	65,095	69,638	60,832	55,664	60,099	58,199	61,520
Malaysia	29,054	29,881	29,881	29,170	23,531	22,496	20,190
Philippines	16,487	16,144	20,316	20,439	20,387	20,964	24,990
Thailand	55,639	44,743	45,338	43,098	43,005	47,559	47,310
Viet Nam	15,684	16,986	17,530	17,935	22,570	27,176	25,766
North East Asia	275,545	279,504	281,000	285,797	307,118	343,003	342,233
China	78,801	82,602	79,801	85,106	86,088	101,702	104,659
Hong Kong	70,264	73,352	73,503	74,262	86,108	81,968	79,077
Japan	65,373	61,167	67,106	68,171	67,485	72,987	69,047
South Asia	69,059	67,213	68,605	68,773	75,280	81,414	89,952
Middle East	33,049	35,047	34,591	37,790	40,048	47,335	45,751
Oceania	120,755	118,970	123,250	125,467	121,686	131,407	133,104
Europe	118,869	115,514	116,346	111,300	120,225	134,784	142,574
France	8,022	8,247	8,245	7,676	9,151	10,471	11,219
Germany	25,351	21,743	19,317	18,124	19,889	24,103	29,326
United Kingdom	31,723	33,908	35,370	35,720	37,537	37,798	38,098
North America	31,654	29,100	22,183	24,069	29,756	32,417	34,762
Other Regions	16,446	11,274	10,896	9,311	10,215	10,224	10,780
Not Stated	na	na	na	na	1,322	1,840	1,502

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.
Data exclude passenger baggage, diplomatic cargo and aircraft stores.
Data breakdown is only available for the 11 countries listed above, and they do not sum up to the total of the respective regions.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15256

16.7 AIR PASSENGER ARRIVALS BY REGION/COUNTRY OF EMBARKATION

Thousand

Region/Country	2012	2013	2014	2015	2016	2017	2018
Total	25,056	26,500	26,669	27,491	29,204	30,960	32,675
South East Asia	11,013	11,929	11,807	12,066	12,942	13,672	14,168
Indonesia	3,401	3,716	3,760	3,489	3,741	3,908	4,043
Malaysia	2,485	2,712	2,728	2,846	3,100	3,340	3,468
Philippines	1,251	1,279	1,273	1,314	1,353	1,394	1,475
Thailand	2,475	2,699	2,375	2,693	2,885	3,027	3,083
Viet Nam	881	905	988	1,060	1,153	1,238	1,335
North East Asia	6,214	6,637	6,901	7,161	7,642	7,948	8,263
China	2,180	2,322	2,298	2,449	2,815	3,169	3,393
Hong Kong	1,717	1,716	1,870	1,843	1,827	1,710	1,604
Japan	1,049	1,209	1,286	1,362	1,402	1,389	1,527
South Asia	2,106	2,226	2,339	2,417	2,546	2,886	3,214
Middle East	530	605	639	749	795	805	806
Oceania	2,651	2,715	2,707	2,828	2,970	3,075	3,208
Europe	2,095	1,975	1,936	1,936	1,939	2,116	2,460
France	239	240	215	207	209	216	212
Germany	451	393	367	355	366	415	506
United Kingdom	722	633	594	602	601	644	773
North America	337	315	246	249	273	354	429
Other Regions	111	101	95	85	96	103	125

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.
Data exclude transit passengers who continued their journey on the same flight.
Data breakdown is only available for the 11 countries listed above, and they do not sum up to the total of the respective regions.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15249

16.8 AIR PASSENGER DEPARTURES BY REGION/COUNTRY OF DISEMBARKATION

Thousand

Region/Country	2012	2013	2014	2015	2016	2017	2018
Total	24,854	26,275	26,620	27,344	28,954	30,614	32,215
South East Asia	10,873	11,753	11,725	11,902	12,689	13,370	13,803
Indonesia	3,420	3,704	3,758	3,483	3,730	3,886	4,017
Malaysia	2,530	2,739	2,743	2,826	3,048	3,249	3,345
Philippines	1,189	1,236	1,238	1,285	1,336	1,391	1,463
Thailand	2,352	2,567	2,333	2,603	2,742	2,879	2,951
Viet Nam	868	900	981	1,049	1,134	1,210	1,283
North East Asia	6,165	6,609	6,877	7,173	7,639	7,875	8,194
China	2,183	2,321	2,293	2,463	2,837	3,156	3,378
Hong Kong	1,684	1,692	1,846	1,829	1,793	1,677	1,574
Japan	1,044	1,212	1,287	1,388	1,410	1,390	1,530
South Asia	2,050	2,131	2,278	2,333	2,489	2,795	3,074
Middle East	545	623	643	742	786	800	802
Oceania	2,709	2,770	2,817	2,904	3,001	3,156	3,321
Europe	2,080	1,982	1,945	1,967	1,996	2,175	2,486
France	236	242	218	213	213	218	215
Germany	458	391	374	360	368	420	499
United Kingdom	693	629	586	603	635	674	782
North America	314	302	237	238	259	338	414
Other Regions	118	105	98	87	94	104	122

Source : Civil Aviation Authority of Singapore

Notes : Refers to Changi Airport only.
Data exclude transit passengers who continued their journey on the same flight.
Data breakdown is only available for the 11 countries listed above, and they do not sum up to the total of the respective regions.

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16.9 PUBLIC ROADS

(End of Period)

Lane-Kilometres

	2012	2013	2014	2015	2016	2017	2018
Total Paved Roads	9,081	9,178	9,233	9,246	9,310	9,293	9,405
Expressways	1,059	1,093	1,093	1,093	1,107	1,107	1,107
Arterial Roads	3,054	3,100	3,146	3,147	3,175	3,177	3,263
Collector Roads	1,584	1,593	1,599	1,607	1,622	1,605	1,625
Local Access Roads	3,384	3,392	3,394	3,399	3,406	3,404	3,410

Source : Land Transport Authority

Notes : Data include all public roads maintained by the Land Transport Authority.
Excludes all roads maintained by the other agencies and on privately-owned areas.

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

16.10 MOTOR VEHICLE POPULATION [1] BY TYPE OF VEHICLE

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Total	969,910	974,170	972,037	957,246	956,430	961,842	957,006
Cars [2]	605,149	607,292	600,176	575,353	552,427	546,706	551,575
Private Hire Cars [3]	14,862	16,396	18,847	29,369	51,336	68,083	66,480
Taxis	28,210	27,695	28,736	28,259	27,534	23,140	20,581
Buses	17,162	17,509	17,554	18,183	18,804	19,285	19,379
Motorcycles	144,110	144,934	145,026	143,900	143,052	141,916	137,480
Goods & Other Vehicles	160,417	160,344	161,698	162,182	163,277	162,712	161,511

Source : Land Transport Authority

1 Includes vehicles which are exempted from Vehicle Quota System and all other taxes.
2 Includes private and company cars.
3 Includes self-drive and chauffeured cars.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15307

16.11 CAR POPULATION BY CC RATING

(End of Period)

Number

CC Rating	2012	2013	2014	2015	2016	2017	2018
Total	617,570	621,345	616,609	602,311	601,257	612,256	615,452
1,000 cc & below	6,490	6,364	6,189	5,799	4,821	5,388	6,444
1,001 to 1,600 cc	335,409	335,419	331,104	321,082	325,700	337,682	342,809
1,601 to 2,000 cc	162,217	164,768	164,424	162,791	165,042	171,499	175,793
2,001 to 3,000 cc	94,712	95,295	95,251	93,358	87,832	81,527	75,718
3,001 cc & above	18,742	19,499	19,641	19,281	17,862	16,160	14,688

Source : Land Transport Authority

Notes : Data refer to private cars, company cars and private hire cars only.
They do not include taxis and tax exempted cars.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14621

16.12 AGE DISTRIBUTION OF CARS

(End of Period)

Number

Age (Years)	2012	2013	2014	2015	2016	2017	2018
Total	617,570	621,345	616,609	602,311	601,257	612,256	615,452
Below 1	27,297	21,952	28,547	57,387	87,157	91,614	79,961
1 - below 2	27,759	27,299	21,943	28,540	57,370	87,142	91,204
2 - below 3	41,439	27,747	27,288	21,932	28,523	57,335	85,124
3 - below 4	68,512	41,420	27,727	27,267	21,759	28,392	55,790
4 - below 5	96,822	68,488	41,402	27,701	27,144	21,269	26,621
5 - below 6	105,599	96,742	68,460	41,372	27,635	26,551	18,912
6 - below 7	115,056	105,403	96,674	68,437	41,318	27,412	23,938
7 - below 8	86,307	114,665	105,216	96,602	68,362	41,142	25,854
8 - below 9	29,983	84,212	113,962	104,943	96,263	68,076	39,859
9 - below 10	8,089	23,039	73,764	107,529	97,596	88,583	62,955
10 - below 11	368	628	1,840	9,561	28,820	28,487	37,753
11 - below 12	585	362	614	1,817	9,378	28,439	27,376
12 - below 13	558	582	357	592	1,749	8,728	25,799
13 - below 14	500	556	567	345	554	1,557	6,677
14 - below 15	559	493	533	526	305	458	1,121
15 & above	8,137	7,757	7,715	7,760	7,324	7,071	6,508

Source : Land Transport Authority

Notes : Data refer to private cars, company cars and private hire cars only.
They do not include taxis and tax exempted cars.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14562

16.13 ROAD TRAFFIC ACCIDENT CASUALTIES

Number

	2012	2013	2014	2015	2016	2017	2018
Total Casualties							
Fatalities	168	160	155	151	141	121	124
Injured	10,253	9,751	9,858	10,412	10,687	9,953	10,018
Pedestrians							
Fatalities	44	43	45	43	47	45	40
Injured	1,069	989	883	973	1,065	998	1,039
Cyclists & Pillions [1]							
Fatalities	16	15	15	17	20	15	9
Injured	442	436	503	606	594	589	499
Motor Cyclists & Pillion Riders							
Fatalities	76	73	74	72	62	44	61
Injured	4,800	4,383	4,634	4,928	5,102	4,803	4,839
Motor Vehicle Drivers & Passengers							
Cars & Station Wagons							
Fatalities	14	16	12	7	8	9	10
Injured	2,782	2,811	2,686	2,746	2,698	2,485	2,537
Goods Vans & Pick-Ups							
Fatalities	0	3	2	2	1	2	3
Injured	234	226	193	219	235	199	180
Lorries, Tipper Trucks & Trailers							
Fatalities	11	9	6	8	3	5	1
Injured	574	647	578	554	540	524	547
Buses							
Fatalities	4	1	0	2	0	1	0
Injured	320	243	342	358	415	333	350
Others							
Fatalities	3	0	1	0	0	0	0
Injured	32	16	39	28	38	22	27

Source : Singapore Police Force

1 Includes those using power assisted bicycles.

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
Total	14,357	13,906	14,322	14,982	15,369	14,168	14,062
Bicycles and Power Assisted Bicycles	472	466	530	643	633	605	513
Motor Cycles & Scooters	4,572	4,231	4,506	4,694	4,913	4,619	4,748
Motor Cars & Station Wagons	6,821	6,637	6,723	6,930	7,172	6,680	6,423
Goods Vans & Pick-Ups	592	630	576	617	657	539	549
Lorries, Tipper Trucks & Trailers	1,345	1,361	1,384	1,413	1,321	1,128	1,220
Buses	465	499	505	568	572	494	510
Others	90	82	98	117	101	103	99

Source : Singapore Police Force

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

16.15 PUBLIC TRANSPORT OPERATION AND RIDERSHIP

	Unit	2012	2013	2014	2015	2016	2017	2018
Rail Length	km	177.7	182.0	183.0	199.6	199.6	228.1	228.1
Mass Rapid Transit (MRT)	km	148.9	153.2	154.2	170.8	170.8	199.3	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)	26,492	26,420	28,173	28,795	34,194	36,278	40,700
LRT Km Operated	Car-km ('000)	3,883	4,435	4,787	5,937	6,620	7,233	7,302
Average Daily Ridership								
MRT	'000 passenger-trips	2,525	2,623	2,762	2,871	3,095	3,122	3,302
LRT	'000 passenger-trips	124	132	137	153	180	190	199
Bus	'000 passenger-trips	3,481	3,601	3,751	3,891	3,939	3,952	4,037
Taxi [1]	'000 passenger-trips	967	967	1,020	1,010	954	785	595

Source Land Transport Authority (LTA)

1 From 2018, the methodology behind the taxi ridership data has been updated, with more granular data available to the LTA in the past year.

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

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. From 2017, companies providing content services were excluded from the survey frame. These companies are covered by a media industry survey.

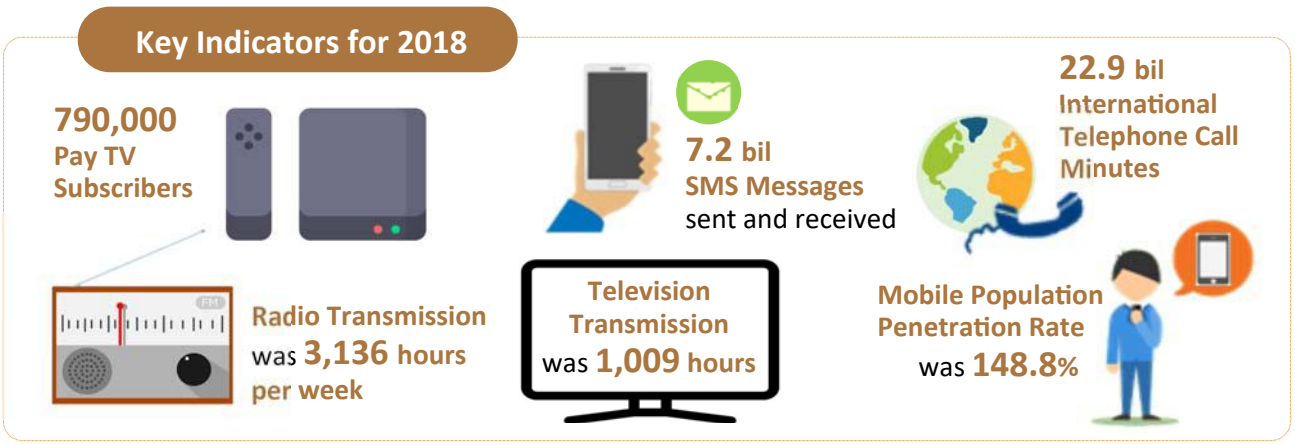
Radio, Television and Over-the-top Services

Mediacorp is Singapore's largest content creator and transmedia network, operating six TV channels, eleven radio stations and multiple digital platforms including CNA, Singapore's most used news app, and Toggle, its digital video platform. Its mission is to engage, entertain and enrich audiences by harnessing the power of creativity. Mediacorp pioneered the development of Singapore's broadcasting industry, with radio broadcast in 1936 and television broadcast in 1963. Today, it reaches 98% of Singaporeans in four languages weekly and has a growing Asian audience base through CNA as well as entertainment content that is distributed across markets in the region.

SPH Radio Pte 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. UFM 100.3 and 96.3 Hao FM are Mandarin music stations, with the latter focusing more on lifestyle, healthcare and financial topics.

So Drama! Entertainment owns and operates two radio stations. 88.3JIA first rode the ariwaves in 1995, before relaunching in 2007 as Singapore's only bilingual station. It now has two new music streams 88.3JIA K-POP and 88.3JIA WEB HITS. POWER 98, which has been entertaining radio audiences since 1994, was relaunched as POWER 98 LOVE SONGS—BEST OF LOVE SONGS in 2019 and has two new music streams POWER 98 HITS! and POWER 98 RAW. The new app, Camokakis, allows listeners to tune-in through the app in addition to listening on-air and online.

Key Indicators for 2018



17.1 POSTAL ARTICLES HANDLED AND TELECOMMUNICATIONS

	Unit	2012	2013	2014	2015	2016	2017	2018
Postal Articles Handled	Million	2,029.6	1,997.7	1,997.8	1,983.4	1,896.7	1,720.4	1,598.5
Subscriptions [1]								
Fixed Line	'000	1,989.5	1,970.8	1,996.6	2,017.3	2,003.2	1,983.1	1,966.6
Residential	'000	1,214.1	1,207.7	1,247.6	1,280.6	1,295.9	1,299.2	1,312.3
Corporate/Business	'000	775.4	763.1	749.0	736.8	707.3	683.9	654.3
Mobile Phone	'000	8,063.0	8,420.7	8,093.3	8,211.4	8,399.7	8,462.8	8,389.5
2G [2]	'000	1,582.4	1,111.5	302.9	221.6	132.3	na	na
Post-paid	'000	152.7	117.8	89.8	49.2	30.9	na	na
Pre-paid	'000	1,429.7	993.7	213.1	172.4	101.4	na	na
3G	'000	6,480.6	5,258.3	4,608.8	3,913.5	3,412.1	2,349.0	1,787.5
Post-paid	'000	4,113.2	2,393.9	1,674.4	1,163.4	855.7	650.0	540.5
Pre-paid	'000	2,367.4	2,864.4	2,934.4	2,750.1	2,556.4	1,699.0	1,247.0
4G	'000	na	2,050.8	3,181.6	4,076.3	4,855.2	6,113.9	6,602.0
Post-paid	'000	na	na	2,924.0	3,628.6	4,085.1	4,449.5	4,847.7
Pre-paid	'000	na	na	257.6	447.7	770.1	1,664.4	1,754.3
Dial-up Internet [3]	'000	23.8	20.6	18.3	12.9	11.3	5.8	5.5
Broadband [4]	'000	10,194.9	10,653.6	11,537.2	11,992.1	12,543.8	13,072.9	12,121.1
Residential Wired [5]	'000	1,277.6	1,295.4	1,347.5	1,359.9	1,336.2	1,343.2	1,366.4
Corporate Wired [6]	'000	93.4	98.0	106.5	113.4	118.8	127.1	123.6
Wireless [7]	'000	8,823.9	9,260.1	10,083.3	10,518.8	11,088.9	11,602.5	10,631.1
Total SMS Messages [8]	Million	24,052.9	17,893.4	13,508.0	11,447.9	9,780.3	8,487.3	7,179.1
Mobile Data Usage [9]	Petabyte	64.6	85.5	100.8	123.8	142.1	175.5	226.1
International Telephone Call Minutes [10]	Million	13,444.8	14,489.6	18,165.5	22,018.2	23,638.8	21,242.0	22,918.6

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). From January 2018, the Wireless@SG subscriptions will only include active users for the month.
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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15273
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15268

17.2 REVENUE OF THE INFORMATION AND COMMUNICATION TECHNOLOGY INDUSTRY

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Local and Export Market [1]							
Total	94,521	113,286	156,341	167,054	189,569	175,803	199,231
Local	35,822	35,455	48,531	50,695	53,393	48,041	54,341
Export	58,699	77,831	107,810	116,359	136,177	127,763	144,890
Hardware and Software/IT Services Market [1]							
Total	94,521	113,286	156,341	167,054	189,569	175,803	199,231
Hardware	59,481	74,904	106,606	114,962	138,612	130,562	147,818
Software / IT Services	22,021	25,420	34,037	34,829	34,803	31,408	41,045
Telecommunications	10,221	10,838	12,281	13,941	12,412	11,114	10,368
Content Activities [2]	2,798	2,125	3,417	3,322	3,742	2,720	na

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.
Prior to 2017, infocomm industry revenue is defined as revenue from sales of hardware, software, IT services, telecommunication services and content services.
From 2017, infocomm industry revenue is defined as revenue from sales of hardware, software, IT services and telecommunication services.
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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15214

17.3 RADIO AND TELEVISION TRANSMISSION AND PAY TV SUBSCRIBERS

	Unit	2012	2013	2014	2015	2016	2017	2018
Radio (Mediacorp, SPH Radio & *So Drama!* Entertainment)	Hours per Week	2,856	3,024	3,024	3,024	2,982	2,800	3,136
Television (Mediacorp)	Hours per Week	961	1,007	1,007	1,007	1,009	1,009	1,009
Pay TV Subscribers [1]	'000	934	951	962	960	906	845	790

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)

1 End of period.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5253
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5263

17.4 DAILY NEWSPAPER CIRCULATION

Number

	2012	2013	2014	2015	2016	2017	2018
Total	1,476,885	1,448,915	1,384,197	1,347,679	1,264,679	1,098,138	709,666
English	771,001	762,382	738,077	718,648	697,465	773,627	419,497
Chinese	636,297	620,839	584,121	572,808	518,864	281,834	252,398
Malay	53,284	49,989	46,583	43,287	37,303	32,982	29,476
Tamil	16,303	15,705	15,416	12,936	11,047	9,695	8,295

Sources : Singapore Press Holdings Ltd
Mediacorp Press Ltd (up to September 2017)

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14594

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.

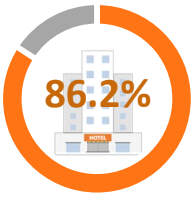
Tourism Receipts: Comprise any expenditure incurred by visitors (including transit passengers, foreign air/sea crew and foreign students) during their stay in Singapore as well as the amount they prepaid on components such as accommodation and sightseeing tours before arrival.

Key Indicators for 2018

18.5 mil
International Visitor Arrivals [1]

[1] Excludes arrivals of Malaysians by land.

Standard Average Occupancy Rate



10.4 mil
Outbound Departures of Singapore Residents...

...by Air
8.4 mil

...by Sea
2.0 mil

Average Length of Stay
3.3 days

Tourism Receipts: $26,942 mil

18.1 INTERNATIONAL VISITOR ARRIVALS BY INBOUND TOURISM MARKETS

Thousand

Region/Country	2012	2013	2014	2015	2016	2017	2018
Total	14,496.1	15,567.9	15,095.2	15,231.5	16,403.6	17,424.6	18,508.3
Americas	616.4	641.5	635.3	657.3	680.7	758.7	861.7
Canada	87.8	92.7	92.8	96.2	98.5	105.2	129.5
United States	477.2	491.9	484.9	499.5	516.5	565.4	643.2
Other Markets in Americas	51.4	56.8	57.5	61.5	65.7	88.0	88.9
Southeast Asia	5,779.6	6,166.4	6,113.1	5,748.2	6,007.5	6,225.1	6,521.0
Brunei Darussalam	71.8	79.9	77.7	73.6	69.9	68.4	75.0
Indonesia	2,837.5	3,088.9	3,025.2	2,731.7	2,893.6	2,954.4	3,021.5
Malaysia	1,231.7	1,280.9	1,233.0	1,171.1	1,151.6	1,168.4	1,254.0
Myanmar	93.0	99.4	112.8	105.5	113.6	145.7	145.6
Philippines	656.8	687.8	676.5	673.4	691.6	736.5	778.1
Thailand	477.7	497.4	506.5	516.4	546.6	531.3	545.7
Viet Nam	366.2	380.5	424.4	418.3	469.4	531.4	591.6
Other Markets in Southeast Asia	44.9	51.7	57.0	58.3	71.2	89.0	109.5
Greater China	2,814.9	3,186.9	2,722.6	3,125.6	3,821.3	4,116.1	4,342.8
China	2,034.2	2,269.9	1,722.4	2,106.2	2,863.7	3,228.1	3,417.6
Taiwan	282.2	350.3	337.4	378.0	394.2	395.6	422.9
Hong Kong SAR	472.2	539.8	631.0	609.9	538.0	465.8	473.1
Other Markets in Greater China	26.4	26.9	31.7	31.6	25.4	26.6	29.1
North Asia	1,203.8	1,305.8	1,362.4	1,367.1	1,350.9	1,424.4	1,459.6
Japan	757.1	832.8	824.7	789.2	783.9	792.9	829.7
South Korea	445.2	471.8	537.0	577.1	566.5	631.4	629.5
Other Markets in North Asia	1.5	1.2	0.7	0.9	0.5	0.2	0.5
South Asia	1,132.5	1,190.2	1,200.1	1,277.9	1,379.0	1,559.5	1,745.3
Bangladesh	110.7	119.3	124.9	122.6	123.3	120.6	126.3
India	895.0	933.6	943.6	1,014.0	1,097.2	1,272.1	1,442.3
Pakistan	21.2	20.2	17.7	18.9	22.2	23.5	25.3
Sri Lanka	83.4	95.6	88.8	93.1	101.9	107.8	113.8
Other Markets in South Asia	22.2	21.4	25.1	29.3	34.3	35.5	37.6
West Asia	146.6	156.8	170.2	165.9	180.6	174.6	163.7
Iran	18.6	11.0	12.4	12.3	22.6	24.9	13.9
Israel	13.6	14.6	15.3	15.7	18.6	19.7	22.4
Kuwait	7.6	10.6	11.0	10.8	11.1	9.5	9.8
Saudi Arabia	18.0	19.9	25.8	16.1	14.5	11.0	11.9
United Arab Emirates	65.6	72.6	75.7	78.7	80.2	79.0	76.3
Other Markets in West Asia	23.3	28.2	30.0	32.3	33.4	30.5	29.3

(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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1991

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

Thousand

Region/Country	2012	2013	2014	2015	2016	2017	2018
Europe	1,537.3	1,591.2	1,617.2	1,635.7	1,743.0	1,853.8	2,063.2
Belgium & Luxembourg	26.8	27.4	28.7	27.6	29.4	30.8	34.3
Denmark	31.5	31.9	31.9	31.4	31.2	34.0	37.4
Finland	33.3	29.4	30.7	27.9	28.6	31.3	32.6
France	158.9	160.0	156.9	157.5	170.9	175.4	204.8
Germany	252.4	251.6	263.5	286.7	328.8	342.4	356.8
Italy	65.6	66.7	67.1	69.4	74.6	80.4	102.0
Netherlands	81.6	82.9	81.8	79.1	82.2	86.9	98.3
Norway	36.8	35.9	33.5	31.7	29.3	29.0	34.0
Republic of Ireland	19.0	17.4	16.4	17.3	18.9	20.6	22.7
Russian Federation	69.0	82.1	90.7	63.8	70.4	80.1	84.5
Spain	37.8	39.5	44.2	48.1	49.5	60.6	66.9
Sweden	43.2	45.3	44.1	42.6	43.8	48.0	53.4
Switzerland	83.9	94.4	103.4	100.8	101.5	104.8	102.4
United Kingdom	446.5	461.5	451.9	473.8	489.2	518.9	588.9
Other Markets in Europe	151.1	165.3	172.5	178.1	194.6	210.5	244.2
Oceania	1,189.1	1,261.1	1,207.9	1,186.3	1,168.1	1,235.7	1,267.1
Australia	1,050.4	1,125.2	1,074.9	1,043.6	1,027.3	1,082.0	1,107.2
New Zealand	123.7	120.4	118.7	127.6	121.1	131.2	137.7
Other Markets in Oceania	15.1	15.5	14.3	15.1	19.7	22.4	22.2
Africa	68.0	66.6	66.1	67.5	72.5	76.8	83.9
Egypt	3.6	3.8	4.4	4.5	4.4	4.0	4.4
Mauritius	9.9	8.5	8.0	8.7	12.8	13.4	14.1
South Africa (Republic of)	32.7	32.0	29.8	32.5	32.8	34.6	38.4
Other Markets in Africa	21.8	22.3	23.9	21.7	22.4	24.8	27.0
Not Stated	7.8	1.4	0.3	0.0	0.1	0.0	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.

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

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

Thousand

	2012	2013	2014	2015	2016	2017	2018
Total [1]	14,496.1	15,567.9	15,095.2	15,231.5	16,403.6	17,424.6	18,508.3
Sex							
Males	7,471.4	8,104.8	7,872.9	7,841.8	8,257.7	8,636.0	9,148.6
Females	6,705.0	7,458.1	7,222.2	7,389.7	8,145.9	8,788.6	9,359.7
Age Group (Years)							
Under 15	1,219.4	1,420.3	1,424.7	1,428.9	1,533.6	1,684.3	1,834.8
15 - 19	514.7	552.8	533.7	548.6	574.5	612.1	648.7
20 - 24	1,014.3	1,079.6	1,065.2	1,058.7	1,132.0	1,168.9	1,196.3
25 - 34	3,304.0	3,501.0	3,456.4	3,423.9	3,593.9	3,782.1	3,988.8
35 - 44	3,071.3	3,262.9	3,208.6	3,150.1	3,340.3	3,490.4	3,740.3
45 - 54	2,534.9	2,678.1	2,547.1	2,563.3	2,802.0	2,930.8	3,056.4
55 - 64	1,827.1	1,962.6	1,807.0	1,904.0	2,111.9	2,313.1	2,463.7
65 & Over	985.1	1,091.2	1,052.5	1,154.0	1,302.5	1,442.4	1,579.5
Not Stated	25.3	19.4	0.0	0.0	13.1	1.0	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.

1 Includes sex not stated.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14895

18.3 INTERNATIONAL VISITOR ARRIVALS BY LENGTH OF STAY

	Unit	2012	2013	2014	2015	2016	2017	2018
Total	'000	13,937.2	14,983.1	14,513.4	14,595.2	15,839.9	16,845.2	17,877.8
Under 1	'000	3,397.8	3,669.5	3,231.3	3,179.5	3,490.3	3,521.3	3,835.3
1	'000	2,786.7	3,065.2	2,627.1	2,729.7	3,194.3	3,481.8	3,623.4
2	'000	2,358.7	2,565.4	2,572.3	2,494.4	2,631.3	2,780.5	2,878.5
3	'000	2,058.6	2,156.9	2,265.4	2,274.8	2,406.6	2,609.2	2,771.8
4	'000	1,094.4	1,170.4	1,286.5	1,370.2	1,470.3	1,617.3	1,756.9
5	'000	560.0	593.0	659.5	707.4	781.0	868.9	959.4
6	'000	333.6	353.3	388.5	398.6	433.6	491.1	527.8
7	'000	232.4	245.9	264.6	270.7	286.4	313.8	335.0
8-10	'000	320.0	333.6	352.0	354.6	361.1	382.5	398.4
11-14	'000	221.2	229.5	236.1	235.9	232.4	237.9	247.4
15 - 29	'000	387.5	408.2	438.6	415.6	396.5	393.2	396.7
30 - 59	'000	137.5	141.3	140.9	117.1	111.0	106.8	106.8
60 & Over	'000	48.7	51.1	50.7	46.7	44.9	41.0	40.5
Average Length of Stay	Days	3.5	3.5	3.7	3.6	3.4	3.4	3.3

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14884

18.4 TOURISM RECEIPTS BY MAJOR COMPONENTS

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Tourism Receipts	23,081	23,469	23,560	21,777	25,748	26,807	26,942
Accommodation	5,038	5,332	5,309	4,680	5,916	6,016	5,666
Food & Beverage	2,246	2,294	2,263	2,319	2,787	2,649	2,593
Shopping	4,588	4,553	4,116	3,913	5,958	6,172	5,385
Sightseeing, Entertainment & Gaming	5,240	5,471	5,823	5,093	5,348	5,618	5,859
Others [1]	5,970	5,819	6,049	5,772	5,739	6,352	7,440

Source : Singapore Tourism Board

1 Includes expenditure on airfares, port taxes, local transportation, business, medical, education and transit visitors.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15280

18.5 OUTBOUND DEPARTURES OF SINGAPORE RESIDENTS BY MODE OF TRANSPORT

Number

	2012	2013	2014	2015	2016	2017	2018
Total	8,047,808	8,647,066	8,902,705	9,125,331	9,474,205	9,888,852	10,378,329
Air	6,485,268	6,960,428	7,163,778	7,371,377	7,770,593	8,100,687	8,361,380
Sea	1,562,540	1,686,638	1,738,927	1,753,954	1,703,612	1,788,165	2,016,949

Source : Immigration & Checkpoints Authority

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

18.6 GAZETTED HOTEL STATISTICS

	Unit	2012	2013	2014	2015	2016	2017	2018
Gazetted Hotels (At End Year)	No.	178	197	220	223	237	246	249
Available Room Nights [1]	'000	15,250.5	16,253.3	17,369.9	17,983.0	19,195.2	20,291.5	21,213.8
Standard Average Occupancy Rate [2]	%	85.7	85.1	84.2	84.0	83.1	84.5	86.2
Standard Average Room Rate [3]	$	243.5	239.6	242.5	232.3	223.1	215.1	218.6
Room Revenue	$m	3,184.3	3,313.6	3,547.2	3,506.8	3,559.1	3,697.2	3,998.3

Source : Singapore Tourism Board (STB)

Notes : In 2018, STB 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 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. It shows the household sector's assets and liabilities at a particular point in time (i.e. as at end-of-period). The quarterly series start from the reference period of 1st Quarter 1995.

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, mainly refer to residential property assets and are categorised into public housing and private housing.

Household liabilities comprise mortgages (from the Housing and Development Board 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 typically 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 role of the central bank except for the currency issuing function which remained the responsibility of the Board of Commissioners of Currency Singapore (BCCS). In October 2002, the BCCS 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 2019, there was a total of 156 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, 2018

Assets	Billion Dollars
Financial Assets	1,231.6
Residential Property Assets	947.0
Total Assets	**2,178.6**

Liabilities	Billion Dollars
Mortgage Loans	246.5
Personal Loans	81.7
Total Liabilities	**328.2**

Net Worth	Billion Dollars
Net Worth	**1,850.3**

Money Supply, M1 [1] was **$184.5 bil** In 2018

Official Foreign Reserves [1] was **$392.1 bil** in 2018

Assets/Liabilities of Asian Currency Units [1] was **US$1,286.8 bil** In 2018

[1] Data are as at end of period.

19.1 HOUSEHOLD SECTOR BALANCE SHEET

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Net Worth	1,378,668.5	1,436,923.3	1,476,004.0	1,531,341.8	1,634,329.8	1,752,567.1	1,850,307.0
Assets	1,641,560.2	1,716,962.8	1,770,343.8	1,832,806.1	1,943,584.7	2,076,366.2	2,178,551.5
Financial Assets	828,370.3	888,547.3	951,633.3	999,316.5	1,081,359.8	1,181,826.2	1,231,586.1
Currency & Deposits	298,331.4	322,598.2	342,270.4	365,822.1	395,597.0	414,209.8	435,305.4
Shares & Securities	166,205.5	174,563.0	183,069.6	176,528.6	186,844.3	214,232.3	203,275.9
Listed Shares	88,092.6	91,834.6	91,986.9	83,796.2	83,375.5	95,053.8	85,561.7
Unlisted Shares	31,861.1	31,139.6	32,902.0	30,551.6	31,227.3	33,587.5	33,263.9
Unit Trusts & Investment Funds	46,251.8	51,588.8	58,180.7	62,180.8	72,241.5	85,590.9	84,450.2
Life Insurance	119,720.0	124,339.1	136,665.7	141,756.4	153,843.0	177,313.5	185,042.4
Central Provident Fund [1]	230,157.7	252,968.6	275,363.9	299,522.4	328,895.3	359,514.6	391,117.5
Pension Funds	13,955.7	14,078.4	14,263.7	15,687.0	16,180.1	16,556.1	16,844.9
Residential Property Assets	813,189.9	828,415.5	818,710.5	833,489.7	862,224.9	894,540.0	946,965.5
Public Housing	415,738.5	412,752.5	394,669.3	400,951.4	413,575.6	421,000.6	420,062.0
Private Housing	397,451.4	415,663.0	424,041.2	432,538.3	448,649.3	473,539.5	526,903.5
Liabilities	262,891.7	280,039.5	294,339.8	301,464.4	309,254.9	323,799.1	328,244.5
Mortgage Loans	193,006.9	205,385.2	216,714.2	224,650.1	233,059.8	242,490.4	246,502.5
Financial Institutions	154,071.2	168,623.1	179,536.2	186,781.1	194,019.7	202,097.9	206,078.3
Housing Development Board	38,935.7	36,762.1	37,178.0	37,869.0	39,040.1	40,392.5	40,424.2
Personal Loans	69,884.9	74,654.4	77,625.7	76,814.2	76,195.1	81,308.7	81,742.0
Motor Vehicle	14,324.7	12,433.0	10,265.0	9,593.1	9,752.2	10,433.4	11,093.4
Credit/Charge Cards	8,972.8	9,948.8	10,429.1	10,266.1	10,800.4	10,975.0	11,602.4
Others [2]	46,587.4	52,272.6	56,931.5	56,955.0	55,642.5	59,900.3	59,046.2

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15312

19.2 CURRENCY IN CIRCULATION

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Gross Circulation	32,266.1	33,806.1	36,428.8	39,688.8	45,318.8	46,012.5	49,195.7
Notes	30,984.2	32,479.5	35,049.4	38,254.1	43,830.7	44,484.3	47,646.8
Coins	1,281.9	1,326.6	1,379.4	1,434.7	1,488.1	1,528.2	1,548.9

Source : Monetary Authority of Singapore

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

19.3 MONEY SUPPLY

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Money Supply (M1)	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5	183,699.3	184,488.5
Currency in Active Circulation [1]	26,361.3	28,851.6	31,506.9	34,042.3	38,525.0	42,339.7	45,292.2
Demand Deposits	114,347.8	125,745.7	128,710.8	126,403.5	134,228.5	141,359.6	139,196.3
Money Supply (M2)	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4	580,066.5	602,433.0
M1	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5	183,699.3	184,488.5
Quasi-Money	334,683.4	341,310.5	352,213.1	359,793.9	389,333.9	396,367.2	417,944.5
Fixed Deposits	175,270.8	171,989.3	172,712.0	174,465.4	189,277.6	186,964.2	208,787.2
S$ Negotiable Cert of Deposits	90.2	482.8	390.8	722.0	327.1	250.7	130.2
Savings and Other Deposits	159,322.4	168,838.4	179,110.3	184,606.5	199,729.2	209,152.3	209,027.1
Money Supply (M3)	485,915.4	506,900.0	524,166.4	532,944.5	573,906.0	592,155.3	614,996.6
M2	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4	580,066.5	602,433.0
Net Deposits with Finance Companies	10,522.9	10,992.2	11,735.6	12,704.8	11,818.6	12,088.8	12,563.6

Source : Monetary Authority of Singapore

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15238

19.4 MONETARY SURVEY

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Money Supply							
M1	140,709.1	154,597.3	160,217.7	160,445.8	172,753.5	183,699.3	184,488.5
Quasi-Money	334,683.4	341,310.5	352,213.1	359,793.9	389,333.9	396,367.2	417,944.5
M2	475,392.5	495,907.8	512,430.8	520,239.7	562,087.4	580,066.5	602,433.0
Domestic Credit	522,034.6	582,704.8	626,023.9	638,949.5	668,624.5	706,777.9	746,556.1
Government	105,428.5	105,211.8	114,853.2	120,563.4	123,315.9	133,306.7	147,812.1
Private Sector	416,606.1	477,493.0	511,170.7	518,386.1	545,308.6	573,471.2	598,744.0
Government Deposits	178,122.1	162,779.8	133,431.9	151,767.7	114,128.1	76,940.3	75,606.3
Net Foreign Position	304,296.3	291,126.5	291,404.1	303,668.1	315,114.9	317,845.0	311,937.1
Monetary Authorities	315,467.1	341,133.8	343,503.9	352,515.5	352,596.8	371,738.6	389,776.9
Banks	-11,170.8	-50,007.3	-52,099.8	-48,847.4	-37,481.9	-53,893.6	-77,839.8
Other Items	-172,816.3	-215,143.7	-271,565.3	-270,610.2	-307,523.9	-367,616.1	-380,453.9

Source : Monetary Authority of Singapore

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

19.5 OFFICIAL FOREIGN RESERVES

(End of Period)

	Unit	2012	2013	2014	2015	2016	2017	2018
Total Foreign Reserves	$m	316,744.2	344,729.2	340,438.1	350,990.8	356,253.9	373,994.0	392,095.8
Special Drawing Rights	$m	1,641.1	1,697.7	1,677.9	1,717.7	1,446.4	1,423.3	1,434.2
Reserve Position in the International Monetary Fund	$m	1,115.8	1,296.7	1,084.1	852.6	1,441.7	1,083.3	1,447.1
Gold & Foreign Exchange	$m	313,987.3	341,734.8	337,676.1	348,420.5	353,365.8	371,487.4	389,214.5
Total Foreign Reserves	US$m	259,307.1	273,065.1	256,860.4	247,747.4	246,575.3	279,899.7	287,673.1

Source : Monetary Authority of Singapore

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

19.6 EXCHANGE RATES

(Average for the Year)

	2012	2013	2014	2015	2016	2017	2018
S$ Per Unit of :							
Australian Dollar	1.2940	1.2107	1.1431	1.0339	1.0272	1.0585	1.0084
Chinese Renminbi	0.1981	0.2035	0.2057	0.2187	0.2080	0.2043	0.2040
Euro	1.6071	1.6621	1.6837	1.5267	1.5286	1.5589	1.5931
Hong Kong Dollar	0.1611	0.1613	0.1634	0.1773	0.1780	0.1772	0.1721
Malaysian Ringgit	0.4046	0.3973	0.3873	0.3534	0.3333	0.3212	0.3343
Pound Sterling	1.9803	1.9573	2.0873	2.1023	1.8726	1.7782	1.8008
US Dollar	1.2497	1.2513	1.2671	1.3748	1.3815	1.3807	1.3491
S$ Per 100 Units of :							
Indian Rupee	2.3442	2.1448	2.0768	2.1434	2.0557	2.1204	1.9745
Indonesian Rupiah	0.0133	0.0120	0.0107	0.0103	0.0104	0.0103	0.0095
Japanese Yen	1.5672	1.2840	1.1996	1.1364	1.2727	1.2313	1.2214
Korean Won	0.1109	0.1144	0.1204	0.1215	0.1190	0.1222	0.1226
New Taiwan Dollar	4.2262	4.2155	4.1812	4.3298	4.2831	4.5383	4.4751
Philippine Peso	2.9592	2.9492	2.8535	3.0199	2.9086	2.7396	2.5614
Thai Baht	4.0199	4.0750	3.9002	4.0175	3.9141	4.0695	4.1740

Source : Monetary Authority of Singapore

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

19.7 NUMBER OF FINANCIAL INSTITUTIONS IN SINGAPORE

Number

	2013	2014	2015	2016	2017	2018	2019
Banks	123	124	126	124	128	127	131
Local	6	5	5	5	5	4	4
Full banks	6	5	5	5	5	4	4
Wholesale banks [1]	0	0	0	0	0	0	0
Foreign	117	119	121	119	123	123	127
Full banks	27	28	28	28	29	29	30
Wholesale banks [1]	53	55	56	53	57	92	97
Offshore banks	37	36	37	38	37	2	0
(Banking offices including head offices and main offices)	425	425	429	428	428	405	397
Asian Currency Units	161	159	160	155	157	155	156
Banks	120	121	123	122	126	126	130
Merchant banks	41	38	37	33	31	29	26
Finance Companies	3	3	3	3	3	3	3
(Finance companies' offices including head offices)	39	39	39	39	39	39	39
Merchant Banks	42	39	38	34	32	30	27
Insurance Companies	168	177	181	186	186	184	187
Direct insurers	72	79	80	79	81	78	78
Professional reinsurers	28	31	31	32	31	31	31
Authorised reinsurers	6	6	6	5	4	5	5
Captive insurers	62	61	64	70	70	70	73
Insurance Brokers	69	71	74	75	77	80	83
Bank Representative Offices	38	36	37	39	42	40	39
International Money Brokers	9	9	10	12	12	13	11
Licensed Financial Advisers	62	58	60	62	61	65	64

(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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14585

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

Number

	2013	2014	2015	2016	2017	2018	2019
Capital Markets Services Licensees [2]	295	443	493	533	584	668	757
Dealing in Capital Markets Products [3]	117	132	136	150	165	184	221
Advising on Corporate Finance	37	40	42	40	46	45	49
Fund Management	158	289	335	367	404	457	495
Product Financing [4]	17	17	17	17	18	18	18
Providing Custodial Services [5]	38	37	37	37	42	44	44
Real Estate Investment Trust Management	26	31	34	36	38	40	39
Providing Credit Rating Services [6]	3	3	4	4	4	4	4
Venture Capital Fund Management [7]	na	na	na	na	na	14	54
Licensed Trust Companies	51	52	54	53	58	58	57
Registered Fund Management Companies [8]	74	236	275	273	273	271	262

Source : Monetary Authority of Singapore (MAS)

Notes : Data as at end March of each year.

2 As the data breakdown of 'Capital Markets Services Licensees' (CMSLs) refer to the types of regulated activities which a CMSL is licensed to conduct, the components of CMSLs will not add up to its total.

3 On 8 October 2018, changes were made to the definitions of products and regulated activities under the Securities and Futures Act. The changes include the introduction of a new regulated activity, 'Dealing in Capital Markets Products', which encompasses the existing regulated activities of 'Dealing in Securities', 'Trading in Futures Contracts' and 'Leveraged Foreign Exchange Trading', as well as the new activity of dealing in over-the-counter derivatives contracts. Data before 2019 represent the number of CMSLs that conducted one or more of the regulated activities of 'Dealing in Securities', 'Trading in Futures Contracts' and 'Leveraged Foreign Exchange Trading'.

4 Prior to 8 October 2018, the activity was termed as 'Securities Financing'.

5 Prior to 8 October 2018, the activity was termed as 'Providing Custodial Services for Securities'.

6 Regulation of credit rating services came into effect on 17 January 2012.

7 The Venture Capital Fund Managers Regulatory Regime came into effect on 20 October 2017.

8 Registration of fund management companies commenced under an enhanced regulatory regime which came into effect on 7 August 2012.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14585

19.8 ASSETS OF DOMESTIC BANKING UNITS

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total Assets	911,009.0	967,814.4	1,055,131.1	1,057,520.7	1,146,272.9	1,222,150.8	1,272,374.4
Cash	2,756.0	2,807.5	2,917.1	4,396.2	3,989.1	3,455.4	3,680.3
Amounts Due from Banks	184,902.7	142,986.5	183,016.5	170,139.1	231,231.9	257,930.0	279,550.9
In Singapore	44,059.5	27,601.4	32,391.8	26,960.5	45,371.3	67,022.3	82,677.0
Outside Singapore	96,781.5	86,168.3	103,735.6	91,518.4	121,833.5	132,512.3	140,650.1
Asian Currency Units	44,061.6	29,216.8	46,889.1	51,660.2	64,027.0	58,395.4	56,223.8
Balances with Monetary Authority of Singapore	19,503.3	32,107.0	20,311.6	22,218.5	21,967.4	22,294.5	22,463.9
Securities and Equities Issued by Private Entities	41,562.4	49,723.3	56,476.5	58,452.8	58,778.3	62,833.4	58,448.7
Debt Securities							
In Singapore	10,973.6	12,326.8	11,414.4	11,106.5	9,273.7	9,463.6	9,201.1
Outside Singapore	14,803.7	12,376.5	12,633.0	14,122.2	16,021.5	20,503.1	15,108.3
Equity Investments							
In Singapore	10,362.0	11,541.7	18,523.9	11,474.7	11,966.2	11,521.4	11,592.2
Outside Singapore	5,423.1	13,478.3	13,905.3	21,749.3	21,516.9	21,345.3	22,547.1
Debt Securities by Government Related Entities	111,755.8	117,755.4	128,484.0	136,437.7	143,576.3	155,552.5	166,969.7
Government of Singapore	98,422.4	98,213.9	107,852.9	112,648.2	114,435.8	124,120.9	137,945.5
Statutory Authorities	9,372.0	17,111.0	16,377.5	14,121.2	18,632.8	21,377.3	20,229.3
Other Governments	3,961.4	2,430.5	4,253.6	9,668.3	10,507.8	10,054.3	8,794.9
Loans & Advances including Bills Financing	490,706.5	574,274.4	607,200.5	599,756.0	617,347.4	651,931.6	671,734.6
Bills Discounted or Purchased [1]	56,292.0	79,657.4	75,343.9	52,846.8	44,599.1	49,442.6	47,162.2
Payable In Singapore	8,490.1	12,921.7	11,735.7	11,410.3	10,966.5	10,833.7	12,848.5
Payable Outside Singapore	47,801.9	66,735.7	63,608.2	41,436.5	33,632.6	38,608.9	34,313.7
Loans & Advances	434,414.5	494,617.1	531,856.6	546,909.1	572,748.3	602,489.0	624,572.5
Resident	377,408.3	423,591.8	453,119.3	470,273.3	494,469.3	520,275.3	544,873.0
Non-Resident	57,006.2	71,025.3	78,737.3	76,635.8	78,279.0	82,213.7	79,699.5
Other Assets [2]	59,822.4	48,160.2	56,724.9	66,120.5	69,382.6	68,153.5	69,526.3

Sourc Monetary Authority of Singapore

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15236

19.9 LIABILITIES OF DOMESTIC BANKING UNITS

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total	911,009.0	967,814.4	1,055,131.1	1,057,520.7	1,146,272.9	1,222,150.8	1,272,374.4
Capital & Reserves	66,305.4	66,291.7	71,000.0	76,108.9	82,989.9	89,055.5	87,108.0
Deposits of Non-bank Customers [1]	518,840.7	537,582.9	550,363.9	560,011.4	596,611.5	606,386.9	627,768.2
Demand Deposits	130,965.7	142,676.7	147,007.3	141,953.0	151,193.5	157,980.7	156,154.0
Fixed Deposits	213,657.9	210,490.5	207,959.3	216,838.7	228,464.0	223,141.2	246,566.5
Savings Deposits	171,785.5	181,865.7	192,101.8	197,140.1	211,446.2	220,444.2	218,984.0
Other Deposits	2,431.7	2,549.9	3,295.4	4,079.6	5,507.7	4,820.8	6,063.7
Amounts Due to Banks	244,892.2	293,986.6	339,191.0	318,247.2	359,009.9	396,417.7	424,448.1
In Singapore	12,088.7	11,244.2	12,876.3	11,353.0	17,412.8	13,684.8	24,526.9
Outside Singapore	70,056.7	76,612.7	101,883.9	94,913.3	110,533.7	140,201.4	146,204.4
Asian Currency Units	162,746.8	206,129.6	224,430.8	211,980.9	231,063.4	242,531.6	253,716.7
Other Liabilities [2]	80,970.7	69,953.3	94,576.2	103,153.3	107,661.7	130,290.6	133,050.2

Source : Monetary Authority of Singapore

1 Excludes non-bank customers' holdings of Singapore dollar negotiable certificates of deposits (S$NCDs).
2 Includes accumulated depreciation for fixed assets and S$NCDs issued.

Download time series at 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

	2012	2013	2014	2015	2016	2017	2018
Total	490,706.5	574,274.4	607,200.5	599,756.0	617,347.4	651,931.6	671,734.6
Loans to Businesses	284,173.2	349,231.0	370,760.6	357,001.0	367,008.1	389,648.1	405,488.2
Agriculture, Mining & Quarrying	2,104.3	4,905.9	5,536.0	5,611.6	5,834.2	3,713.7	3,174.9
Manufacturing	27,166.3	31,601.6	29,614.7	26,000.9	26,227.6	26,161.2	25,519.2
Building & Construction [1]	78,704.0	91,274.7	103,712.6	119,405.2	121,387.2	120,390.1	135,417.5
General Commerce	57,349.8	75,888.3	78,082.4	65,954.1	63,958.1	68,487.8	65,666.3
Transport, Storage & Communication	13,089.2	17,162.7	20,045.3	20,810.4	20,998.7	22,140.6	24,365.9
Business Services	4,748.1	7,056.6	8,586.9	7,246.9	7,946.9	8,646.3	9,463.8
Financial Institutions	64,895.1	76,387.4	80,984.1	68,697.9	80,391.2	98,865.6	98,999.7
Professional & Private Individuals - Business Purposes	5,920.7	7,186.5	9,746.0	9,419.1	8,930.0	10,001.9	10,178.0
Others	30,195.7	37,767.3	34,452.6	33,854.9	31,334.2	31,240.9	32,702.9
Consumer Loans	206,533.3	225,043.5	236,439.9	242,754.8	250,339.5	262,283.4	266,246.4
Housing & Bridging Loans	152,003.0	166,542.0	177,434.6	184,680.6	192,099.8	200,251.7	204,299.1
Professional & Private Individuals							
Car Loans	12,523.5	10,693.3	8,641.5	7,845.3	7,858.1	8,412.5	8,873.8
Credit Cards	8,963.9	9,941.1	10,422.4	10,260.5	10,795.4	10,974.9	11,602.3
Share Financing	1,060.1	1,167.0	989.6	2,266.7	2,457.6	2,591.8	2,299.0
Others	31,982.8	36,700.1	38,951.8	37,701.7	37,128.6	40,052.5	39,172.2

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 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

	2012	2013	2014	2015	2016	2017	2018
	Assets						
Total	1,093,264.6	1,180,374.8	1,190,475.4	1,155,822.6	1,134,099.6	1,237,898.7	1,286,790.3
Loans to Non-bank Customers	340,914.0	400,597.0	433,648.4	407,968.8	388,691.8	465,056.9	488,112.2
Residents	115,372.1	132,514.8	136,523.3	133,809.9	137,429.1	146,485.5	152,502.7
Non-residents	225,541.9	268,082.2	297,125.1	274,158.9	251,262.7	318,571.4	335,609.5
Inter-bank Funds	562,970.6	614,645.6	569,140.4	536,726.3	540,056.3	567,180.5	576,217.5
In Singapore	133,171.6	162,830.7	169,487.9	149,080.8	159,712.2	182,529.1	187,381.1
Inter-Asian Currency Units	53,768.7	56,274.7	51,138.2	60,510.7	50,997.9	50,229.1	48,447.9
Outside Singapore	376,030.3	395,540.2	348,514.3	327,134.9	329,346.2	334,422.3	340,388.5
Debt Securities & Equities	113,131.6	90,751.0	98,626.6	118,749.3	117,322.2	126,356.9	125,979.9
Other Assets	76,248.3	74,381.2	89,060.0	92,378.2	88,029.3	79,304.4	96,480.6
	Liabilities						
Total	1,093,264.6	1,180,374.8	1,190,475.4	1,155,822.6	1,134,099.6	1,237,898.7	1,286,790.3
Deposits of Non-bank Customers	327,863.5	365,141.3	393,116.8	395,070.2	393,165.2	443,918.1	447,665.7
Inter-bank Funds	628,109.0	648,170.8	615,036.2	574,723.1	558,849.0	601,199.7	614,966.3
In Singapore	75,466.9	60,529.3	62,608.9	63,393.3	63,112.6	67,263.3	59,661.3
Inter-Asian Currency Units	53,934.8	56,261.1	51,721.6	60,595.7	51,807.1	51,186.5	49,743.5
Outside Singapore	498,707.3	531,380.3	500,705.7	450,734.1	443,929.3	482,749.9	505,561.4
Other Liabilities	137,292.1	167,062.7	182,322.4	186,029.3	182,085.4	192,780.9	224,158.3

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

19.12 ASSETS AND LIABILITIES OF FINANCE COMPANIES

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
	Assets						
Total	14,967.5	14,985.7	15,975.7	17,409.8	16,407.7	16,455.5	17,407.7
Cash & Balances with Monetary Authority of Singapore	328.6	339.2	368.8	397.4	370.2	373.4	391.5
Deposits with Banks & Other Institutions	1,810.1	1,369.2	1,495.4	1,895.9	1,735.9	1,462.8	1,860.7
Securities & Equities	1,414.7	1,522.5	1,613.0	1,735.6	1,641.1	1,670.2	1,796.1
Loans & Advances [1]	11,311.5	11,653.9	12,385.4	13,251.7	12,546.5	12,848.7	13,254.5
Hire Purchase	2,089.9	1,891.5	1,779.4	1,978.1	2,113.4	2,150.6	2,206.0
On Motor Vehicles	1,877.1	1,637.0	1,464.8	1,619.4	1,785.3	1,880.1	1,975.3
On Consumer Durables	10.6	0.2	0.1	0.3	0.2	0.3	0.2
On Other Goods	202.3	254.3	314.6	358.3	327.9	270.2	230.5
Housing Loans	1,402.8	1,394.0	1,448.4	1,475.8	1,397.4	1,333.5	1,258.0
Other Loans & Advances	7,818.8	8,368.4	9,157.6	9,797.9	9,035.7	9,364.6	9,790.4
Other Assets	102.5	101.0	113.1	129.2	113.9	100.4	104.8
	Liabilities						
Total	14,967.5	14,985.7	15,975.7	17,409.8	16,407.7	16,455.5	17,407.7
Capital & Reserves	2,104.8	2,109.6	2,214.2	2,242.4	2,263.2	2,327.8	2,488.8
Deposits	12,347.6	12,396.1	13,295.7	14,667.1	13,603.8	13,600.4	14,469.2
Savings Deposits	220.9	240.3	217.3	197.9	209.8	227.8	212.1
Fixed Deposits	11,909.9	11,887.0	12,897.2	14,313.5	13,247.7	13,133.2	14,159.9
Other Deposits	216.8	268.7	181.2	155.8	146.3	239.3	97.1
Other Creditors	22.6	17.0	6.9	4.3	5.4	12.4	16.0
Other Liabilities	492.5	463.0	458.9	496.0	535.3	515.0	433.7

Source : Monetary Authority of Singapore

1 Includes lease financing and bills discounted/purchased and block discounting agreement among finance companies.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15232

19.13 FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY

(End of Period)

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total [1]	7,685.2	8,230.5	9,002.6	9,588.0	8,763.3	8,996.8	9,391.0
Agriculture, Mining & Quarrying	0.0	0.9	0.9	0.8	2.6	2.4	2.0
Manufacturing	65.6	71.2	109.8	126.1	136.1	133.7	113.5
Building & Construction	4,190.6	4,736.8	4,846.5	4,791.6	3,987.1	4,094.7	4,546.9
General Commerce	188.9	194.5	237.9	300.2	300.3	246.9	251.8
Transport, Storage & Communications	164.0	152.2	201.6	247.9	299.7	374.6	340.9
Financial Institutions	694.1	898.3	1,157.9	1,409.0	1,516.9	1,437.9	1,287.4
Professional & Private Individuals	878.2	841.4	895.0	876.3	697.7	658.8	631.1
Others	1,503.9	1,335.3	1,553.1	1,836.1	1,823.0	2,047.9	2,217.4

Source : Monetary Authority of Singapore

1 Excludes lease financing, factoring, block discounting and warehouse inventory financing and accounts receivable financing.

Download times series at 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

	2012	2013	2014	2015	2016	2017	2018
	Assets						
Total	92,411.0	84,944.9	96,256.8	106,583.3	95,888.3	102,821.7	93,125.3
Amounts Due from Banks	21,646.5	21,226.5	19,532.4	25,050.5	26,014.2	24,938.8	15,717.1
In Singapore	3,170.6	3,433.8	3,556.6	2,803.5	2,891.1	6,294.6	5,057.7
Asian Currency Units	5,300.3	5,212.7	7,432.7	9,345.2	8,000.3	6,755.8	2,303.1
Outside Singapore	13,175.6	12,580.0	8,543.2	12,901.8	15,122.8	11,888.4	8,356.4
Loans & Advances to Non-bank Customers	26,832.3	25,533.8	26,640.2	23,322.0	19,350.7	21,971.4	19,925.1
Securities & Equities	38,303.3	32,642.1	43,415.1	50,320.9	43,193.7	47,505.6	47,349.3
Other Assets	5,628.9	5,542.5	6,669.1	7,889.8	7,329.7	8,406.0	10,133.8
	Liabilities						
Total	92,411.0	84,944.9	96,256.8	106,583.3	95,888.3	102,821.7	93,125.3
Capital & Reserves	12,168.2	12,381.3	12,560.9	13,024.8	13,566.2	14,110.8	11,515.8
Amounts Due to Banks	55,045.1	51,658.0	63,112.6	70,528.6	61,856.6	66,043.5	57,446.7
In Singapore	615.2	408.6	406.4	514.3	5,814.2	9,243.3	9,040.1
Asian Currency Units	22,413.9	20,349.2	21,296.9	23,184.9	17,967.6	20,894.5	12,768.3
Outside Singapore	32,016.0	30,900.2	41,409.4	46,829.4	38,074.8	35,905.8	35,638.3
Borrowings from Non-bank Customers	17,741.8	13,600.6	12,564.7	13,291.2	12,370.2	15,476.8	14,904.4
Other Liabilities	7,456.0	7,305.0	8,018.6	9,738.7	8,095.3	7,190.6	9,258.3

Source : Monetary Authority of Singapore

Notes : Provision of corporate financial advisory services, underwriting and operations in the gold market are not reflected in the data.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14711

19.15 DOMESTIC INTEREST RATES

(End of Period)

Per Cent Per Annum

	2012	2013	2014	2015	2016	2017	2018
Singapore Overnight Rate Average [1]	0.0380	0.0698	0.2484	0.7159	0.4595	0.8605	1.7645
Banks [2]							
Prime Lending Rate	5.38	5.38	5.35	5.35	5.35	5.28	5.33
Fixed Deposits							
3 Months	0.14	0.14	0.14	0.18	0.19	0.14	0.17
6 Months	0.20	0.20	0.21	0.24	0.25	0.20	0.23
12 Months	0.32	0.32	0.31	0.34	0.35	0.33	0.45
Savings Deposits	0.11	0.10	0.11	0.14	0.14	0.16	0.16
Finance Companies [3]							
Fixed Deposits							
3 Months	0.20	0.18	0.18	0.30	0.30	0.30	0.30
6 Months	0.28	0.25	0.25	0.38	0.38	0.38	0.38
12 Months	0.53	0.53	0.53	0.58	0.50	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.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15233

19.16 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Contributions (net of refunds) by members [1]	26,048.4	28,530.0	29,722.1	32,049.1	35,851.7	37,284.7	38,369.0
Interest credited to members	8,290.6	9,144.2	9,971.9	10,834.5	12,048.2	13,196.2	14,350.2
Withdrawals (net of refunds) by members [2]	11,726.8	14,863.2	17,298.7	18,725.1	18,527.0	19,861.6	21,116.3
Amount due to members	230,157.7	252,968.6	275,363.9	299,522.4	328,895.3	359,514.6	391,117.5

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15251

19.17 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

	2012	2013	2014	2015	2016	2017	2018
	Million Dollars						
Withdrawals (net of refunds) by members [1]	11,726.8	14,863.2	17,298.7	18,725.1	18,527.0	19,861.6	21,116.3
Housing Schemes							
Public Housing	5,703.1	5,841.3	6,892.3	7,069.9	6,971.9	7,375.2	6,218.6
Residential Properties	2,290.6	2,500.1	2,706.0	3,310.6	3,905.5	3,716.9	2,841.3
Reached 55 Years of Age and Above [2]	2,048.2	2,819.6	2,945.8	3,720.7	3,343.7	4,076.5	5,544.6
Leaving Singapore & Malaysia Permanently [3]	541.5	579.8	665.6	712.8	753.6	799.1	887.8
Death	487.9	530.4	606.8	672.8	756.2	890.1	981.3
Medisave Scheme	767.4	798.5	852.9	899.9	931.3	963.5	1,033.8
Private Medical Insurance Scheme	384.6	484.1	542.9	581.0	674.4	768.8	828.2
Others [4]	-496.5	1,309.4	2,086.4	1,757.4	1,190.4	1,271.5	2,780.7
	Number						
Housing Schemes [5]							
Public Housing	752,740	742,813	733,637	731,292	739,964	769,206	755,074
Residential Properties	164,704	173,105	177,360	188,640	201,763	217,520	228,191
Reached 55 Years of Age and Above [2]	245,645	261,573	296,333	389,598	343,136	372,753	446,087
Leaving Singapore & Malaysia Permanently [3]	15,038	13,868	14,081	13,591	13,046	12,822	12,841
Death	18,472	18,796	19,395	20,510	20,465	20,604	20,875

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.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1836

19.18 TURNOVER ON THE SINGAPORE EXCHANGE (EQUITIES)

	Unit	2012	2013	2014	2015	2016	2017	2018
SGX Mainboard								
Volume	Million	357,633.8	541,726.2	307,505.1	262,911.6	223,565.5	222,579.2	176,922.6
Basic Materials	Million	14,168.3	16,097.6	14,343.8	12,020.1	5,638.2	7,858.2	11,190.8
Consumer Goods	Million	94,724.5	115,598.2	45,164.9	38,991.7	29,023.9	26,883.5	16,747.6
Consumer Services	Million	34,476.8	42,775.7	27,282.2	20,498.5	15,813.4	31,828.7	23,023.1
Financials	Million	38,856.2	77,412.1	40,738.7	47,372.6	46,454.3	49,445.0	43,603.9
Health Care	Million	3,858.5	2,995.9	2,364.2	2,959.5	1,434.3	1,518.2	1,197.5
Industrials	Million	120,133.5	184,896.5	102,478.6	82,566.7	69,684.6	62,895.7	43,688.9
Oil & Gas	Million	13,160.3	23,613.4	19,184.5	17,882.5	34,251.7	13,552.8	21,374.4
Technology	Million	27,685.7	49,125.2	23,865.9	26,032.3	11,894.1	19,146.7	7,244.6
Telecommunications	Million	7,256.1	6,326.9	5,128.2	6,957.3	7,019.7	6,573.6	6,895.1
Utilities	Million	3,313.8	22,884.9	26,954.1	7,630.4	2,351.3	2,876.7	1,956.8
Value	$m	306,418.9	322,357.3	244,061.6	263,867.4	252,981.2	263,625.6	271,694.0
Basic Materials	$m	8,049.1	5,140.7	3,381.3	1,657.4	1,118.4	1,511.0	1,481.0
Consumer Goods	$m	48,174.1	36,501.3	21,822.8	15,562.5	18,345.3	16,342.2	13,218.3
Consumer Services	$m	35,316.2	35,930.6	25,617.3	27,861.8	25,684.4	28,619.1	29,958.6
Financials	$m	84,491.6	115,431.2	96,621.3	119,251.3	117,060.6	126,463.3	138,667.3
Health Care	$m	3,743.1	2,682.6	2,212.1	2,940.7	1,596.8	1,767.2	1,407.9
Industrials	$m	65,390.0	60,024.9	45,022.6	45,915.0	41,170.4	47,108.7	43,960.2
Oil & Gas	$m	31,398.3	30,288.7	22,684.9	19,191.2	19,303.0	14,471.5	16,666.8
Technology	$m	7,815.0	12,013.2	3,873.5	3,198.9	1,703.0	3,043.4	4,577.7
Telecommunications	$m	20,843.5	21,729.2	17,411.4	25,711.7	25,670.1	22,947.5	20,807.5
Utilities	$m	1,198.0	2,614.9	5,414.6	2,577.0	1,329.2	1,351.6	948.8

(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.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5221

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

	Unit	2012	2013	2014	2015	2016	2017	2018
SGX Catalist								
Volume	Million	86,015.5	268,959.6	127,480.1	83,075.8	98,223.5	138,646.9	63,946.2
Basic Materials	Million	650.3	32,834.3	19,418.7	8,698.6	24,194.1	25,520.4	11,444.2
Consumer Goods	Million	7,424.9	14,180.0	5,439.4	3,119.3	4,307.3	19,627.7	3,666.6
Consumer Services	Million	9,935.4	32,541.6	6,926.9	5,933.4	14,550.6	11,715.9	8,006.8
Financials	Million	1,805.8	1,251.9	8,984.7	3,222.6	721.6	1,655.8	741.6
Health Care	Million	3,281.3	13,537.4	11,046.3	17,120.3	18,073.3	12,028.6	4,284.7
Industrials	Million	26,854.7	93,561.0	50,807.0	28,839.4	23,244.8	53,129.7	23,225.0
Oil & Gas	Million	5,585.0	457.2	3,037.9	4,787.2	8,592.6	5,196.6	6,419.3
Technology	Million	11,501.5	44,318.9	9,144.8	8,200.7	2,724.0	7,155.6	5,517.8
Telecommunications	Million	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utilities	Million	18,976.6	36,277.3	12,674.5	3,154.4	1,815.2	2,616.8	640.2
Value	$m	7,743.8	18,322.8	13,030.4	8,232.8	7,086.5	9,124.0	3,487.3
Basic Materials	$m	286.9	2,745.3	1,625.3	743.7	1,633.0	2,033.5	722.1
Consumer Goods	$m	361.4	748.2	284.9	71.4	110.2	541.6	98.7
Consumer Services	$m	257.5	1,260.2	789.2	750.3	2,215.3	1,862.1	444.7
Financials	$m	514.5	409.4	807.3	232.6	120.1	216.1	130.4
Health Care	$m	239.5	1,263.6	2,773.6	3,429.3	978.6	957.6	308.5
Industrials	$m	2,783.4	8,280.4	4,385.3	1,918.2	1,207.6	3,148.8	1,146.9
Oil & Gas	$m	2,553.7	222.5	1,286.3	543.2	626.7	238.9	473.8
Technology	$m	263.3	1,587.8	313.4	474.1	178.3	104.7	160.3
Telecommunications	$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utilities	$m	483.7	1,805.5	765.3	70.1	16.7	20.7	1.9

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5232
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5229

19.19 PLEDGES AT PAWNSHOPS

	Unit	2012	2013	2014	2015	2016	2017	2018
Pledges								
Received	'000	4,003.9	4,206.0	4,236.2	4,374.4	4,452.5	4,451.8	4,427.5
Redeemed	'000	3,793.2	4,017.4	4,081.0	4,198.6	4,251.3	4,253.2	4,232.7
Amount of Loans								
Given Out	$m	7,067.6	5,470.6	5,276.2	5,381.1	5,525.5	5,546.8	5,683.6
Redeemed including Interest	$m	7,123.5	5,577.7	5,310.5	5,420.2	5,503.6	5,535.9	5,663.2

Source : Registry of Pawnbrokers

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

19.20 LIFE INSURANCE POLICIES

(End of Period)

	2011	2012	2013	2014	2015	2016	2017
	Thousand						
Policies in Force	12,191.8	12,591.7	12,900.4	13,140.1	13,466.8	13,833.2	14,284.5
New Policies	1,128.2	1,121.2	1,097.4	1,046.8	1,052.7	1,149.9	1,276.9
Policies Matured or Discontinued	700.1	721.3	788.7	807.0	724.9	783.4	825.7
	Million Dollars						
Policies in Force							
Amount Insured	713,645.4	783,874.9	839,804.0	903,071.2	990,566.8	1,129,068.0	1,218,725.4
Annual Premiums	10,324.4	11,407.1	13,015.5	14,352.5	15,686.2	16,982.7	18,352.7
New Policies							
Amount Insured	116,309.6	134,122.9	123,355.7	132,495.8	168,194.2	251,397.1	212,062.0
Single Premium	6,537.3	5,861.1	7,038.1	8,672.9	9,463.5	10,259.0	14,640.8
Annual Premiums	1,784.5	2,133.9	2,687.9	2,451.5	2,632.3	2,916.2	3,345.8
Policies Matured or Discontinued							
Amount Insured	55,770.1	63,904.7	67,530.1	69,228.6	80,637.8	112,895.9	122,404.7
Annual Premiums	695.3	1,051.4	1,088.9	1,114.5	1,267.1	1,619.6	1,975.9

Source : Monetary Authority of Singapore

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

19.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
	Revenue						
Total	15,713.6	28,010.5	21,947.3	32,487.7	23,995.4	31,620.8	45,411.0
Net Premiums Written	16,395.8	16,841.2	19,189.7	22,225.4	22,228.7	22,721.5	27,992.1
Net Investment Income	-901.4	10,948.8	2,485.7	9,998.8	1,457.0	8,578.3	16,731.4
Miscellaneous	219.2	220.5	271.9	263.5	309.7	321.0	687.5
	Expenditure						
Total	15,713.6	28,010.5	21,947.3	32,487.7	23,995.4	31,620.8	45,411.0
Claims on Death, Disability & Maturity	7,329.9	8,487.7	9,657.7	10,193.7	8,870.5	9,389.2	9,830.8
Surrenders	3,259.3	3,285.0	3,707.3	4,067.4	4,417.8	4,539.7	5,658.9
Cash Bonuses & Annuities	472.0	480.7	514.5	565.4	635.1	684.3	735.2
Management Expenses	729.6	768.4	880.2	934.1	1,039.0	1,111.9	1,276.6
Distribution Expenses	1,582.9	1,820.2	2,090.7	2,334.2	2,416.6	2,475.8	2,475.8
Miscellaneous	2,339.9	13,168.5	5,096.9	14,392.9	6,616.4	13,419.9	25,433.7

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

Download times series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14630

19.22 ASSETS OF LIFE INSURANCE FUNDS

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	118,606.3	132,476.3	136,178.8	151,329.3	159,536.4	173,029.5	202,878.6
Land & Buildings	3,055.8	3,109.4	3,187.8	3,243.4	3,266.4	3,314.7	3,415.0
Loans							
On Mortgages	974.1	659.4	680.5	640.9	610.1	502.3	365.2
On Policies	2,340.9	2,326.9	2,333.7	2,377.3	2,411.2	2,450.0	2,496.2
Others	579.9	345.5	312.4	318.1	645.2	561.4	503.7
Investments							
Debt Securities	64,850.1	75,322.0	76,196.0	87,457.7	94,458.3	101,747.9	105,026.8
Equity Securities	36,235.1	41,288.5	46,102.7	50,936.3	51,599.1	58,100.1	81,045.6
Cash & Deposits	8,085.7	6,675.5	5,578.9	5,070.5	5,439.9	5,498.0	6,940.8
Miscellaneous (including Outstanding Premiums) [1]	2,484.7	2,749.1	1,786.8	1,285.1	1,106.2	855.1	3,085.3

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

1 Includes furniture.

Download times series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5320

19.23 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
	Net Premiums [1]						
Total	2,645.3	2,784.9	2,866.9	2,936.1	2,649.5	2,669.2	2,503.4
Marine, Aviation or Transit	229.7	225.0	215.0	229.5	233.2	227.7	181.6
Others							
Fire	211.7	218.7	235.1	244.9	220.9	244.2	238.2
Motor Vehicles	1,148.9	1,182.5	1,169.7	1,123.1	943.0	950.8	910.1
Miscellaneous	1,055.0	1,158.7	1,247.1	1,338.6	1,252.4	1,246.5	1,173.5
	Net Claims Settled [2]						
Total	1,176.1	1,353.2	1,366.3	1,355.7	1,481.3	1,536.4	1,377.7
Marine, Aviation or Transit	94.8	101.6	106.9	110.2	129.4	106.7	85.9
Others							
Fire	56.5	102.5	69.8	41.6	79.0	60.6	51.9
Motor Vehicles	623.8	693.4	689.6	660.7	651.4	638.6	608.4
Miscellaneous	401.0	455.7	500.0	543.2	621.5	730.5	631.5

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14597

19.24 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
	Revenue						
Total	2,709.4	3,120.6	3,028.6	3,226.3	2,786.8	2,946.3	2,913.8
Net Premiums Written	2,645.3	2,784.9	2,866.9	2,936.1	2,649.5	2,669.2	2,503.4
Net Investment Income	44.1	302.9	135.1	246.2	92.0	210.2	356.3
Miscellaneous	20.0	32.8	26.6	44.0	45.3	66.9	54.1
	Expenditure						
Total	2,709.4	3,120.6	3,028.6	3,226.3	2,786.8	2,946.3	2,913.8
Net Claims Settled	1,176.1	1,353.2	1,366.3	1,355.7	1,481.3	1,536.4	1,377.7
Management Expenses	532.5	542.8	601.5	658.2	735.8	775.4	802.4
Distribution Expenses	361.9	371.2	396.9	416.9	283.5	321.4	269.7
Increase (Decrease) in Policy Liabilities	342.3	172.1	131.9	65.4	-172.6	-149.4	-76.5
Miscellaneous	296.6	681.3	532.0	730.1	458.8	462.5	540.5

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

Download times series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14618

19.25 ASSETS OF GENERAL INSURANCE FUNDS

(End of Period)

Million Dollars

	2011	2012	2013	2014	2015	2016	2017
Total	8,742.2	9,446.5	9,989.2	10,489.3	11,070.6	11,140.7	10,841.2
Land & Buildings	199.9	200.2	260.9	293.0	286.6	290.6	307.9
Loans	34.5	39.8	48.6	44.8	50.8	55.8	26.7
Investments							
Debt Securities	4,451.4	4,703.5	4,967.9	5,495.9	6,155.4	5,971.6	5,638.9
Equity Securities	800.1	960.1	1,016.0	1,027.9	941.4	955.5	935.7
Cash & Deposits	2,399.6	2,578.0	2,721.0	2,577.2	2,273.7	2,273.4	2,495.6
Miscellaneous	856.7	964.9	974.8	1,050.5	1,362.7	1,593.8	1,436.4

Source : Monetary Authority of Singapore

Notes : Data are based on the risk-based capital framework.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5314

19.26 CREDIT AND CHARGE CARDS

	Unit	2012	2013	2014	2015	2016	2017	2018
Main Local Cardholders [1]	No.	7,843,765	7,984,608	8,156,466	8,044,900	7,818,154	7,724,041	6,872,526
Supplementary Local Cardholders [1]	No.	1,502,591	1,573,936	1,554,840	1,490,254	1,438,589	1,389,750	1,336,307
Total Card Billings	$m	38,419.2	41,602.2	44,582.4	47,103.9	49,904.1	54,275.9	59,638.3
Rollover Balance [1]	$m	4,991.8	5,362.9	5,500.6	5,290.3	5,301.3	5,224.3	5,495.8
Bad Debts Written Off	$m	226.6	247.8	273.9	319.1	319.3	308.8	310.5
Charge-Off Rates [2]	%	4.8	4.8	5.1	5.9	6.1	6.0	5.8

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 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 on the IRAS website.

GST is a consumption tax levied on the import of goods and all supplies of goods and services in Singapore. It excludes 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 currently issues the following debt securities: Treasury Bills, Singapore Government Securities (SGS) bonds, Special Singapore Government Securities (SSGS) and Singapore Savings Bonds (SSB), which are 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.

These borrowings are not used to fund Government's Budget. Under the Government Securities Act, borrowing proceeds from the issuance of these securities cannot be spent and have to be 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

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Operating Revenue [1]	51,077.2	55,814.5	57,020.3	60,838.2	64,823.2	68,964.4	75,815.7
Corporate Income Tax	12,096.3	12,821.3	12,679.6	13,371.5	13,815.1	13,602.2	14,944.0
Personal Income Tax	6,871.4	7,713.7	7,688.1	8,926.7	9,234.9	10,526.2	10,724.0
Withholding Tax	1,258.0	1,337.3	1,152.4	1,126.0	1,402.0	1,474.1	1,531.6
Statutory Boards' Contributions	353.2	539.1	529.8	515.9	438.3	775.4	4,865.8
Assets Taxes	3,901.9	3,768.3	4,181.9	4,340.6	4,455.0	4,359.5	4,439.7
Customs and Excise Taxes	2,132.8	2,141.7	2,189.4	2,539.7	2,833.0	2,730.0	3,132.9
Goods and Services Tax	8,687.0	9,038.0	9,512.7	10,215.0	10,345.1	11,078.3	10,959.5
Motor Vehicle Taxes	1,919.6	1,802.9	1,654.6	1,602.9	1,759.7	2,148.4	2,152.5
Betting Taxes	2,373.4	2,304.8	2,378.8	2,591.0	2,719.0	2,682.0	2,688.2
Stamp Duty	3,175.1	4,309.5	3,929.9	2,783.6	2,768.9	3,278.5	4,905.1
Other Taxes [2]	3,307.3	4,341.8	5,248.4	6,097.1	5,876.2	6,044.5	6,019.3
Vehicle Quota Premiums	2,112.0	2,572.1	2,721.7	3,394.1	5,424.8	6,550.6	5,796.1
Fees and Charges (Excluding Vehicle Quota Premiums) [3]	2,587.2	2,707.7	2,903.0	3,010.5	3,248.8	3,208.9	3,279.1
Others [4]	302.0	416.1	250.0	323.8	502.2	505.7	377.8
Total Expenditure [5]	46,563.4	49,003.9	51,727.8	56,648.3	67,447.0	71,044.9	73,556.2
Social Development	21,659.5	21,877.4	24,179.4	27,206.8	31,292.6	33,839.4	36,468.1
Security and External Relations	14,805.7	15,397.4	16,093.6	17,196.1	18,451.6	19,541.0	20,462.5
Economic Development	8,570.2	9,824.8	9,573.8	10,146.8	15,540.7	15,300.5	13,871.9
Government Administration	1,528.0	1,904.4	1,881.0	2,098.6	2,162.2	2,363.9	2,753.8
Primary Surplus/Deficit	4,513.7	6,810.6	5,292.5	4,189.9	-2,623.9	-2,080.4	2,259.4
Special Transfers [6]	8,426.7	8,859.5	8,583.6	12,356.2	10,369.2	6,372.3	6,122.4
Special Transfers Excluding Top-ups to Endowment and Trust Funds	2,909.2	1,457.5	2,989.6	3,856.2	4,369.2	2,772.3	2,112.4
Basic Surplus/Deficit [7]	1,604.5	5,353.0	2,302.9	333.7	-6,993.0	-4,852.7	147.0
Top-ups to Endowment and Trust Funds	5,517.5	7,402.0	5,594.0	8,500.0	6,000.0	3,600.0	4,010.0

(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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14555

20.1 OVERALL FISCAL POSITION *(continued)*

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Net Investment Returns Contribution [8]	7,915.6	7,870.1	8,289.4	8,737.8	8,943.3	14,577.5	14,723.9
Overall Budget Surplus/Deficit	4,002.7	5,821.1	4,998.2	571.5	-4,049.7	6,124.8	10,861.0

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.

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14555

20.2 GOVERNMENT OPERATING REVENUE

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Total [1]	51,077.2	55,814.5	57,020.3	60,838.2	64,823.2	68,964.4	75,815.7
Tax Revenue	46,076.1	50,118.5	51,145.6	54,109.8	55,647.3	58,699.3	66,362.6
Income Tax	20,578.9	22,411.4	22,049.9	23,940.0	24,890.4	26,378.0	32,065.3
Corporate Income Tax	12,096.3	12,821.3	12,679.6	13,371.5	13,815.1	13,602.2	14,944.0
Personal Income Tax	6,871.4	7,713.7	7,688.1	8,926.7	9,234.9	10,526.2	10,724.0
Withholding Tax [2]	1,258.0	1,337.3	1,152.4	1,126.0	1,402.0	1,474.1	1,531.6
Statutory Boards' Contributions	353.2	539.1	529.8	515.9	438.3	775.4	4,865.8
Assets Taxes	3,901.9	3,768.3	4,181.9	4,340.6	4,455.0	4,359.5	4,439.7
Property Tax	3,898.9	3,760.1	4,178.8	4,340.1	4,455.6	4,359.2	4,439.7
Estate Duty [3]	2.9	8.2	3.1	0.5	-0.6	0.3	0.0
Customs and Excise Duties	2,132.8	2,141.7	2,189.4	2,539.7	2,833.0	2,730.0	3,132.9
Liquors	495.9	516.6	518.3	634.0	637.6	639.7	662.9
Tobacco	967.1	969.1	1,042.8	1,227.7	1,205.2	985.9	1,174.1
Petroleum Products	416.4	414.8	414.2	419.4	583.8	595.9	827.2
Motor Vehicles	248.0	233.3	206.2	250.5	399.0	502.2	463.1
Compressed Natural Gas Unit Duty	0.7	3.2	2.8	2.6	2.2	1.5	0.6
Other Excise Duty	4.7	4.8	5.1	5.5	5.3	5.0	4.9
Goods and Services Tax	8,687.0	9,038.0	9,512.7	10,215.0	10,345.1	11,078.3	10,959.5
Motor Vehicle Taxes [4]	1,919.6	1,802.9	1,654.6	1,602.9	1,759.7	2,148.4	2,152.5
Betting Taxes [5]	2,373.4	2,304.8	2,378.8	2,591.0	2,719.0	2,682.0	2,688.2
Stamp Duty	3,175.1	4,309.5	3,929.9	2,783.6	2,768.9	3,278.5	4,905.1
Other Taxes [6]	3,307.3	4,341.8	5,248.4	6,097.1	5,876.2	6,044.5	6,019.3

(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.

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20.2 GOVERNMENT OPERATING REVENUE *(continued)*

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Fees and Charges	4,699.1	5,279.8	5,624.7	6,404.5	8,673.6	9,759.5	9,075.2
Vehicle Quota Premiums	2,112.0	2,572.1	2,721.7	3,394.1	5,424.8	6,550.6	5,796.1
Fees and Charges (Excluding Vehicle Quota Premiums) [7]	2,587.2	2,707.7	2,903.0	3,010.5	3,248.8	3,208.9	3,279.1
Others [8]	302.0	416.1	250.0	323.8	502.2	505.7	377.8

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.

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.

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20.3 GOVERNMENT OPERATING EXPENDITURE BY SECTOR

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Total Operating Expenditure [1]	35,150.0	36,420.8	39,724.9	42,685.2	48,090.4	52,128.9	55,581.2
Social Development	18,056.3	18,495.6	20,943.2	22,611.8	26,258.2	28,939.5	30,849.3
Education	9,697.8	9,637.3	10,664.9	10,712.4	11,235.7	11,812.2	12,079.5
National Development	1,428.0	948.8	673.3	857.9	1,331.6	2,284.1	3,218.2
Health	3,488.8	4,066.1	5,043.9	5,872.4	7,519.8	8,199.4	8,734.4
The Environment and Water Resources	726.4	812.7	957.5	1,048.5	1,125.1	1,200.7	1,248.2
Culture, Community and Youth [2]	na	364.5	1,003.0	1,335.0	1,794.6	1,444.0	1,586.2
Social and Family Development [2]	1,721.5	1,739.3	1,598.3	1,722.4	2,121.0	2,388.7	2,458.7
Communications and Information [2]	524.5	429.7	336.0	354.5	424.4	456.1	496.0
Manpower (Financial Security)	469.4	497.3	666.4	708.7	706.0	1,154.1	1,028.2
Security and External Relations	14,088.0	14,677.6	15,233.3	16,289.7	17,495.4	18,372.2	19,013.4
Defence	10,796.8	11,056.0	11,329.1	11,866.9	12,671.6	13,281.2	13,582.0
Home Affairs	2,947.4	3,266.3	3,521.9	4,029.1	4,377.1	4,652.0	4,996.3
Foreign Affairs	343.8	355.4	382.3	393.7	446.7	438.9	435.2
Economic Development	1,674.6	1,869.8	2,027.3	2,223.7	2,631.8	2,997.7	3,574.5
Transport	463.8	501.9	554.9	597.7	782.9	953.1	1,607.3
Trade and Industry	670.8	685.4	709.6	728.5	783.4	920.8	943.5
Manpower (excluding Financial Security)	379.9	455.9	495.9	519.8	611.1	634.2	645.4
Info-Communications and Media Development [2, 3]	160.1	226.6	267.0	377.7	454.4	489.6	378.3

(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. 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).

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20.3 GOVERNMENT OPERATING EXPENDITURE BY SECTOR *(continued)*

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Government Administration	1,331.1	1,377.8	1,521.1	1,560.0	1,704.6	1,819.4	2,143.9
Finance	616.9	630.8	711.4	681.8	739.6	824.5	833.4
Law	122.9	162.7	167.3	176.8	173.9	180.5	184.6
Organs of State	318.1	325.5	352.3	383.6	410.2	440.1	473.0
Prime Minister's Office [4]	273.3	258.8	290.2	317.8	380.9	374.2	653.0

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. 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.

4 With effect from 1 May 2017, the Smart Nation and Digital Government Group (SNDGG) was formed under the Prime Minister's Office (PMO), comprising the Digital Government Directorate of the Ministry of Finance (MOF), the Government Technology Policy department and Government Technology Agency (GovTech) of the Ministry of Communications and Information (MCI), and the Smart Nation Programme Office (SNPO) of the PMO.

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20.4 GOVERNMENT DEVELOPMENT EXPENDITURE BY SECTOR

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Total Development Expenditure [1]	11,413.4	12,583.2	12,003.0	13,963.1	19,356.6	18,916.1	17,975.1
Social Development	3,603.2	3,381.8	3,236.3	4,595.1	5,033.9	4,900.0	5,618.8
Education	1,042.5	859.6	973.4	886.0	699.0	656.7	611.1
National Development	1,572.1	1,353.7	900.7	1,307.9	1,321.0	1,248.0	1,256.8
Health	453.1	605.4	722.9	1,146.8	1,413.1	1,619.2	1,465.4
The Environment and Water Resources	349.0	352.3	325.2	427.3	567.3	683.8	1,549.0
Culture, Community and Youth [2]	na	95.3	212.5	617.1	778.6	506.8	489.5
Social and Family Development [2]	63.6	36.8	40.7	61.8	110.6	97.4	86.6
Communications and Information [2]	122.9	78.7	60.8	148.2	144.3	87.6	160.1
Manpower (Financial Security)	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Security and External Relations	717.8	719.7	860.3	906.5	956.0	1,168.8	1,449.0
Defence	479.4	467.7	422.4	428.6	430.9	542.9	593.7
Home Affairs	194.1	207.0	378.9	437.9	505.8	572.8	830.9
Foreign Affairs	44.3	45.0	59.1	40.0	19.3	53.2	24.5
Economic Development	6,895.6	7,955.0	7,546.6	7,923.0	12,909.1	12,302.8	10,297.3
Transport	4,002.9	5,413.7	5,503.8	5,488.6	10,332.4	9,319.2	7,571.6
Trade and Industry	2,552.7	2,387.2	1,946.6	2,101.8	2,398.0	2,857.6	2,688.3
Manpower (excluding Financial Security)	61.7	27.7	28.3	36.7	25.5	20.5	33.5
Info-Communications and Media Development [2, 3]	278.2	126.4	67.9	295.9	153.2	105.4	3.9

(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. 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).

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20.4 GOVERNMENT DEVELOPMENT EXPENDITURE BY SECTOR *(continued)*

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Government Administration	196.9	526.6	359.8	538.5	457.4	544.5	609.8
Finance	29.9	24.1	25.2	43.9	53.4	71.7	62.4
Law	130.5	316.4	273.2	434.4	318.8	377.3	320.0
Organs of State	16.6	163.1	21.5	22.6	47.5	55.3	104.9
Prime Minister's Office [4]	19.9	23.0	40.0	37.6	37.7	40.3	122.5

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.

4 With effect from 1 May 2017, the Smart Nation and Digital Government Group (SNDGG) was formed under the Prime Minister's Office (PMO), comprising the Digital Government Directorate of the Ministry of Finance (MOF), the Government Technology Policy department and Government Technology Agency (GovTech) of the Ministry of Communications and Information (MCI), and the Smart Nation Programme Office (SNPO) of the PMO.

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

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Total	384,997.6	390,407.1	387,250.7	421,302.1	463,165.6	502,021.9	546,699.5
Domestic Debt	384,997.6	390,407.1	387,250.7	421,302.1	463,165.6	502,021.9	546,699.5
Registered Stocks and Bonds	304,946.0	333,943.8	362,741.4	396,598.8	438,900.9	477,882.8	520,974.3
Treasury Bills	60,000.0	38,800.0	8,000.0	8,500.0	9,000.0	9,500.0	10,200.0
Advance Deposits	20,051.6	17,663.3	16,509.3	16,203.3	15,264.7	14,639.1	15,525.3
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.

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

Million Dollars

	2012	2013	2014	2015	2016	2017	2018
Domestic Debt (excluding Advance Deposits)	364,946.0	372,743.8	370,741.4	405,098.8	447,900.9	487,382.8	531,174.3
1 year maturity or less	83,815.5	68,894.0	32,554.0	38,854.0	36,212.0	41,800.0	46,845.3
More than 1 year maturity	281,130.5	303,849.8	338,187.4	366,244.8	411,688.9	445,582.8	484,329.0
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.

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20.7 TAXABLE INDIVIDUALS BY ASSESSED INCOME GROUP, YEAR OF ASSESSMENT 2017

	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.	1,819,153	24,628	74,652	141,765	335,366	250,128	190,004
Tax resident	No.	1,782,734	0	72,394	140,017	332,976	248,738	189,069
Non-tax resident [1]	No.	36,419	24,628	2,258	1,748	2,390	1,390	935
Assessable Income	$m	163,040	190	1,732	3,941	11,673	11,197	10,431
Tax resident	$m	162,069	0	1,682	3,893	11,590	11,135	10,380
Non-tax resident [1]	$m	971	190	51	48	83	62	51
Net Tax Assessed	$m	10,648	36	13	20	67	93	128
Tax resident	$m	10,465	0	3	11	51	81	118
Non-tax resident [1]	$m	183	36	10	10	16	12	10

	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.	240,679	143,931	189,877	87,946	73,045	61,893	5,239
Tax resident	No.	239,540	143,289	189,199	87,686	72,852	61,762	5,212
Non-tax resident [1]	No.	1,139	642	678	260	193	131	27
Assessable Income	$m	16,620	12,857	23,106	15,132	17,649	28,490	10,022
Tax resident	$m	16,542	12,800	23,024	15,087	17,602	28,430	9,905
Non-tax resident [1]	$m	78	57	81	45	47	59	118
Net Tax Assessed	$m	294	316	908	942	1,623	4,181	2,029
Tax resident	$m	280	306	893	934	1,615	4,170	2,003
Non-tax resident [1]	$m	14	10	14	8	8	11	25

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. 2016 for Year of Assessment 2017).

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20.8 TAXABLE COMPANIES BY CHARGEABLE INCOME GROUP, YEAR OF ASSESSMENT 2017

	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.	76,364	19,428	7,617	5,504	12,766	7,158
Tax resident	No.	74,331	19,062	7,369	5,265	12,420	6,963
Non-tax resident [1]	No.	2,033	366	248	239	346	195
Chargeable Income	$m	120,765	64	111	136	520	560
Tax resident	$m	111,866	62	108	130	505	545
Non-tax resident [1]	$m	8,899	2	4	6	14	15
Net Tax Assessed	$m	14,377	6	10	12	54	50
Tax resident	$m	13,282	5	10	12	53	49
Non-tax resident [1]	$m	1,095	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.	10,292	3,414	3,424	3,472	1,005	2,284
Tax resident	No.	10,084	3,350	3,326	3,371	976	2,145
Non-tax resident [1]	No.	208	64	98	101	29	139
Chargeable Income	$m	1,749	1,320	2,432	5,934	3,909	104,031
Tax resident	$m	1,714	1,295	2,360	5,753	3,802	95,592
Non-tax resident [1]	$m	35	25	72	180	107	8,439
Net Tax Assessed	$m	157	139	325	899	611	12,113
Tax resident	$m	154	136	315	872	594	11,082
Non-tax resident [1]	$m	3	3	10	27	17	1,031

Source : Inland Revenue Authority of Singapore

1 Refers to a company where the control and management of its business is not exercised in Singapore.

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20.9 TAXABLE COMPANIES BY ECONOMIC SECTOR , YEAR OF ASSESSMENT 2017

	No. of Companies	Chargeable Income ($m)	Net Tax Assessed ($m)
Total	76,364	120,765	14,377
Manufacturing	4,912	16,137	1,617
Construction	5,929	3,074	476
Utilities [1]	202	882	148
Other Goods Industries [2]	172	343	35
Wholesale & Retail Trade	20,275	29,261	3,097
Accommodation & Food Service Activities	2,472	1,331	211
Transportation & Storage	3,707	4,982	734
Information & Communications	3,901	3,916	601
Financial & Insurance Activities	9,726	31,465	3,816
Real Estate & Business Activities [3]	18,386	26,621	3,252
Others [4]	6,682	2,753	391

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.

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20.10 SOURCES AND USES OF DEVELOPMENT FUND

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Balance (Beginning of Financial Year)	98,712	103,567	104,202	100,736	98,498	94,654	94,905
Sources							
Total	20,461	17,364	14,825	18,162	25,040	27,637	39,263
Consolidated Revenue Account	12,200	8,685	5,579	7,200	14,000	17,772	23,000
Consolidated Loan Account	0	0	0	0	0	0	0
Others	8,261	8,679	9,247	10,962	11,040	9,865	16,263
Uses							
Total	15,606	16,730	18,291	20,399	28,884	27,386	25,939
Government Development Expenditure	12,929	13,855	13,222	15,331	20,759	20,689	19,759
Loans to Statutory Boards & Enterprises	2,677	2,875	5,069	5,068	8,125	6,697	6,180
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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14578

20.11 GENERAL GOVERNMENT FINANCE

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Cash surplus/Deficit [1]	31,889	31,185	31,006	28,332	17,778	22,209	35,873
Net cash inflow from operating activities	14,927	18,781	18,721	19,428	8,772	17,735	27,887
Cash receipts from operating activities	59,806	64,449	66,350	71,894	76,208	81,396	95,696
Cash payments for operating activities	44,879	45,668	47,629	52,466	67,436	63,661	67,809
Net cash outflow from investments in non-financial assets	-16,962	-12,404	-12,285	-8,904	-9,006	-4,474	-7,985
Purchases of non-financial assets	5,904	6,032	5,265	6,022	6,536	8,041	7,889
Sales of non-financial assets	22,866	18,436	17,550	14,926	15,542	12,515	15,874
Net cash inflow from financing activities [2]	39,364	32,447	-15,314	15,454	37,567	41,995	40,393
Net incurrence of liabilities	36,461	29,457	-14,899	14,652	40,115	43,201	37,528
Domestic	36,461	29,457	-14,899	14,652	40,115	43,201	37,528
Foreign	0	0	0	0	0	0	0
Net acquisition of financial assets other than cash	-2,903	-2,991	415	-802	2,548	1,206	-2,865
Domestic excluding cash	-2,903	-2,991	415	-802	2,548	1,206	-2,865
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.

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20.12 GOVERNMENT FINANCE

Million Dollars

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Cash surplus/deficit [1]	27,366	25,321	25,262	22,358	11,006	13,879	29,899
Net cash inflow from operating activities	10,404	12,917	12,977	13,454	2,000	9,405	21,913
Cash receipts from operating activities	58,454	62,932	64,750	69,973	74,244	78,511	91,960
Cash payments for operating activities	48,050	50,015	51,773	56,519	72,244	69,106	70,047
Net cash outflow from investments in non-financial assets	-16,962	-12,404	-12,285	-8,904	-9,006	-4,474	-7,985
Purchases of non-financial assets	5,904	6,032	5,265	6,022	6,536	8,041	7,889
Sales of non-financial assets	22,866	18,436	17,550	14,926	15,542	12,515	15,874
Net cash inflow from financing activities [2]	39,364	32,447	-15,314	15,454	37,567	41,995	40,393
Net incurrence of liabilities	36,461	29,457	-14,899	14,652	40,115	43,201	37,528
Domestic	36,461	29,457	-14,899	14,652	40,115	43,201	37,528
Foreign	0	0	0	0	0	0	0
Net acquisition of financial assets other than cash	-2,903	-2,991	415	-802	2,548	1,206	-2,865
Domestic excluding cash	-2,903	-2,991	415	-802	2,548	1,206	-2,865
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 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 2018-based series is compiled using the 'modified Laspeyres' formula, where the weight reference period of 2017 preceded the price reference period of 2018.

The weights for Singapore manufactured products are derived from production data collected in the 2017 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 2018-based series is compiled using the Laspeyres formula, where the price and weight reference periods are aligned to the year 2018.

The weights for the imported and exported products are derived from the import and export statistics in 2018. 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

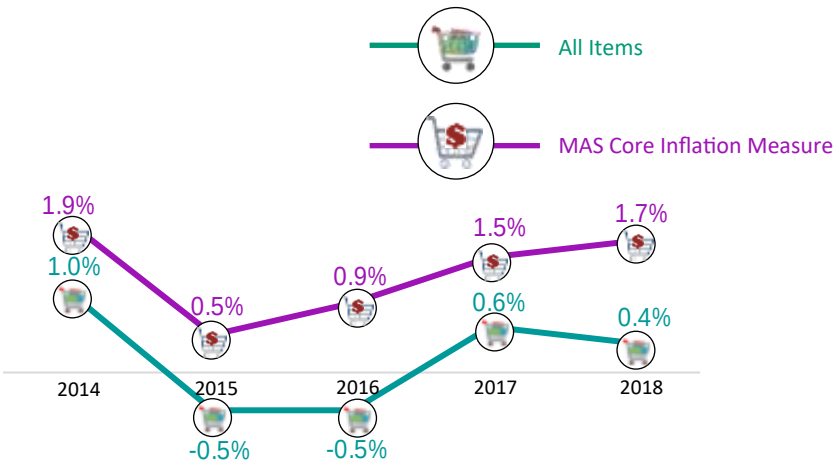
The Building and Construction Authority (BCA) compiles data on construction material market prices. Construction material market prices are computed based on the average market prices of construction materials for the respective years.

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 (2014=100)
(Year-on-Year Change)



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

Singapore Manufactured Products Price Index (2018=100)
(Year-on-Year Change)

2017	2018	4.4%
2016	2017	3.8%
2015	2016	-5.5%
2014	2015	-9.2%
2013	2014	-3.4%

21.1 CONSUMER PRICE INDEX

(2014 = 100)

Division and Group	Weights [1]	2012	2013	2014	2015	2016	2017	2018
	Consumer Price Index							
All Items	10,000	96.7	99.0	100.0	99.5	98.9	99.5	99.9
Food	2,167	95.1	97.1	100.0	101.9	104.0	105.5	107.0
Clothing & Footwear	273	100.5	100.8	100.0	100.1	100.3	100.9	102.3
Housing & Utilities	2,625	97.1	99.9	100.0	96.5	92.5	90.2	89.0
Household Durables & Services	475	93.6	98.2	100.0	99.4	101.2	102.2	103.0
Health Care	615	93.7	97.3	100.0	99.9	101.0	103.5	105.6
Transport	1,579	99.0	101.2	100.0	98.6	96.2	98.7	98.2
Communication	385	101.6	100.2	100.0	100.3	99.9	100.5	99.5
Recreation & Culture	788	97.1	98.2	100.0	100.3	101.2	101.6	102.8
Education	615	93.1	96.7	100.0	103.4	106.6	109.8	113.0
Miscellaneous Goods & Services	478	96.9	98.7	99.9	99.9	100.1	100.3	101.2
All Items less Imputed Rentals on Owner-Occupied Accommodation [2]	8,101	97.0	98.8	100.0	100.1	100.3	102.0	103.3
All Items less Accommodation	7,713	96.9	98.8	100.0	100.1	100.4	102.3	103.6
MAS Core Inflation Measure [3]	6,564	96.4	98.1	100.0	100.5	101.4	102.8	104.6
	Percentage Change Over Previous Year							
All Items	10,000	4.6	2.4	1.0	-0.5	-0.5	0.6	0.4
Food	2,167	2.3	2.1	2.9	1.9	2.1	1.4	1.4
Clothing & Footwear	273	1.5	0.3	-0.8	0.1	0.2	0.6	1.4
Housing & Utilities	2,625	8.4	2.8	0.1	-3.5	-4.1	-2.5	-1.3
Household Durables & Services	475	2.4	4.9	1.8	-0.6	1.8	1.1	0.8
Health Care	615	4.4	3.8	2.8	-0.1	1.1	2.5	2.0
Transport	1,579	7.1	2.3	-1.2	-1.4	-2.4	2.6	-0.5
Communication	385	-0.1	-1.4	-0.2	0.3	-0.4	0.6	-1.0
Recreation & Culture	788	1.0	1.1	1.8	0.3	0.9	0.3	1.2
Education	615	4.1	3.8	3.4	3.4	3.1	3.0	2.9
Miscellaneous Goods & Services	478	1.1	1.9	1.2	0.0	0.3	0.1	1.0
All Items less Imputed Rentals on Owner-Occupied Accommodation [2]	8,101	3.6	1.9	1.2	0.1	0.3	1.7	1.3
All Items less Accommodation	7,713	3.5	1.9	1.2	0.1	0.3	1.8	1.4
MAS Core Inflation Measure [3]	6,564	2.5	1.7	1.9	0.5	0.9	1.5	1.7

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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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12008

21.2 CONSUMER PRICE INDEX FOR HOUSEHOLDS IN DIFFERENT INCOME GROUPS

(2014 = 100)

Income Group		All Items	Food	Clothing & Footwear	Housing & Utilities	Household Durables & Services	Health Care	Transport	Communication	Recreation & Culture	Education	Miscellaneous Goods & Services	All Items less Imputed Rentals on Owner-Occupied Accommodation [2]
		Weights [1] Per 10,000											
Lowest	20%	10,000	2,435	157	4,002	359	812	732	397	466	261	379	7,076
Middle	60%	10,000	2,360	283	2,615	432	623	1,404	453	737	602	491	8,104
Highest	20%	10,000	1,835	280	2,396	555	562	1,984	288	920	700	480	8,263
		Consumer Price Index											
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
2018													
Lowest	20%	98.0	106.7	102.8	88.9	102.4	101.6	99.9	99.2	103.2	110.5	102.8	103.5
Middle	60%	100.1	106.9	102.2	88.6	102.6	105.5	99.3	99.4	102.6	112.6	101.5	103.6
Highest	20%	100.0	107.2	102.2	89.4	103.5	107.0	97.0	99.8	102.8	113.3	100.5	102.9
		Percentage Change Over Previous Year											
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
2018													
Lowest	20%	0.2	1.5	1.3	-1.6	0.6	2.4	-0.5	-0.9	1.2	3.1	2.6	1.8
Middle	60%	0.4	1.4	1.4	-1.5	0.7	2.1	-0.7	-1.0	1.1	2.9	1.4	1.3
Highest	20%	0.5	1.5	1.3	-1.1	0.9	1.8	-0.3	-1.0	1.3	2.8	0.1	1.1

1 The weighting pattern of the Consumer Price Index (CPI) was derived from the expenditure values collected from the 2012/13 Household Expenditure Survey (HES) and updated to 2014 values by taking into account price changes between 2012/13 and 2014.

2 A significant share of the CPI Accommodation group is "Owner-Occupied Accommodation (OOA) cost", which is computed based on the imputed rental concept under the rental equivalence method. Besides the imputed rentals on OOA, actual rentals paid on rented units are included separately under the CPI Accommodation group. Given that imputed rentals on OOA have no impact on the cash expenditure of most households in Singapore as they already own their homes, "All Items less Imputed Rentals on OOA" is compiled as an additional indicator.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15638

21.3 PRICE INDICES OF SELECTED CONSUMER ITEMS

(2014 = 100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Health Care								
Medical & Dental Treatment	475	92.8	96.8	100.0	99.6	101.0	104.3	107.0
Consultation Fees at Polyclinics & General Practitioners	57	96.6	99.6	100.0	87.7	89.5	91.6	93.2
Transport								
Petrol	250	97.0	99.4	100.0	95.3	91.5	99.9	106.5
Overall Bus & Train Fares	174	97.8	97.8	100.0	102.7	101.7	97.5	95.4
Taxi Fares	105	99.1	99.2	100.0	100.3	100.7	100.7	100.7
Education								
Miscellaneous Fees for Primary Schools	25	82.8	99.7	100.0	100.0	100.0	100.0	100.0
School & Miscellaneous Fees for Secondary Schools & Junior Colleges	40	86.7	101.6	100.0	100.1	101.3	103.6	103.3
Tuition Fees for Polytechnics & Local Universities	107	93.6	97.0	100.0	102.7	105.6	108.4	110.8

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.

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21.4 AVERAGE RETAIL PRICES OF SELECTED CONSUMER ITEMS

Dollar

Item	Unit	2012	2013	2014	2015	2016	2017	2018
Bread & Cereals								
Thai Rice 100% Fragrant	Per 5 kg pkt	12.67	12.78	13.07	13.07	13.13	13.01	13.06
Ordinary White Bread	Per 400 g	1.46	1.49	1.57	1.60	1.62	1.63	1.68
Vitamin Enriched Bread	Per 400 g	1.60	1.68	1.88	1.88	1.88	1.80	1.83
Wholemeal Bread	Per 420 g	na	na	2.14	2.14	2.14	2.14	2.13
Instant Noodles	Per 5 pkts	2.23	2.23	2.21	2.19	2.26	2.26	2.27
Meat								
Chilled Lean Pork	Per kg	13.07	13.14	13.21	13.32	13.81	13.70	13.73
Chilled Streaky Pork	Per kg	14.40	14.67	14.88	15.04	15.76	15.73	15.78
Chilled Pork Rib Bones	Per kg	16.48	16.40	16.44	16.72	17.20	17.33	17.31
Chilled Beef	Per kg	21.96	21.43	21.64	22.15	22.93	23.26	23.79
Chilled Mutton	Per kg	17.79	17.89	17.79	18.15	18.27	18.27	18.53
Hen	Per kg	5.87	5.96	6.14	6.11	6.35	6.58	6.44
Chilled Chicken Wing	Per kg	na	na	7.87	7.89	8.04	8.03	8.05
Duck	Per kg	6.75	6.87	6.83	6.95	7.09	7.33	7.38
Fish & Seafood								
Cod Fish	Per kg	48.85	49.58	48.60	51.61	59.51	65.05	65.39
Gold Banded Scad (Kuning)	Per kg	6.57	6.57	6.77	6.96	6.98	7.25	7.92
Flowery Grouper	Per kg	14.62	14.63	13.79	13.88	14.44	14.19	13.78
White Pomfret	Per kg	24.76	24.70	25.02	26.29	27.66	28.69	29.68
Salmon	Per kg	25.41	26.23	27.42	27.26	28.87	31.28	30.96
Sea Bass	Per kg	12.46	12.29	12.35	11.97	12.45	12.19	11.99
Sea Bream (Kerisi)	Per kg	8.27	8.43	8.61	8.60	8.81	9.01	9.85
Golden Snapper	Per kg	16.77	17.71	18.04	18.78	18.66	18.57	18.95
Spanish Mackerel (Tenggiri)	Per kg	10.97	11.07	11.36	11.61	11.57	12.20	12.40
Kurau (Cut)	Per kg	44.80	48.53	51.18	52.93	56.95	57.28	59.01
Small Prawns	Per kg	11.17	11.69	12.92	13.19	13.39	14.07	14.45
Medium Prawns	Per kg	17.23	17.88	18.69	18.65	18.80	19.15	19.60
Large Prawns	Per kg	23.53	24.71	24.78	24.71	24.50	25.04	25.91
Squids	Per kg	11.32	11.97	12.72	13.30	14.51	14.97	16.24
Fish Balls	Per 10	1.91	1.90	1.92	1.97	2.05	2.07	2.08
Milk, Cheese & Eggs								
Fresh Milk	Per 1 litre pkt	2.88	2.93	2.87	2.84	2.81	2.81	2.86
Infant Milk Powder	Per 900 g tin	40.28	44.30	51.01	53.69	56.06	56.65	56.76
Cheese	Per pkt of 12 slices	5.07	4.85	4.74	4.77	4.56	4.48	4.74
Hen Eggs	Per 10	1.88	1.94	2.14	2.22	2.17	2.09	2.14

(continued on the next page)

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.

Download times series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12007

21.4 AVERAGE RETAIL PRICES OF SELECTED CONSUMER ITEMS *(continued)*

Dollars

Item	Unit	2012	2013	2014	2015	2016	2017	2018
Oil & Fats								
Cooking Oil	Per 2 kg bottle	5.99	5.67	6.50	6.31	6.00	5.96	5.96
Fruits								
Bananas (Emas)	Per kg	1.65	1.81	2.12	2.18	2.31	2.35	2.34
Papaya	Per kg	1.79	1.92	2.15	1.96	1.97	1.96	2.17
Watermelon	Per kg	1.34	1.46	1.65	1.61	1.52	1.55	1.65
Orange	Each	0.34	0.36	0.35	0.39	0.43	0.44	0.44
Apple	Each	0.40	0.42	0.45	0.45	0.43	0.42	0.43
Grapes	Per kg	7.88	8.43	8.92	9.25	9.26	9.69	9.89
Pear	Each	0.93	0.95	0.97	0.94	0.99	1.01	1.03
Vegetables								
Broccoli	Per kg	7.54	7.38	6.06	5.90	6.31	6.09	5.68
Cabbage	Per kg	1.91	1.94	2.01	2.09	2.26	2.25	2.23
Kale	Per kg	4.13	4.31	5.14	5.17	5.89	5.82	5.54
Small Mustard	Per kg	2.97	3.04	3.20	3.18	3.32	3.33	3.46
Spinach (Bayam)	Per kg	2.79	2.81	2.79	2.78	2.81	2.88	3.03
Tomatoes	Per kg	2.00	2.20	2.33	2.37	2.25	2.27	2.25
Potatoes	Per kg	1.71	1.78	1.95	1.98	2.07	2.18	2.23
Carrots	Per kg	1.96	1.98	2.04	2.07	2.13	2.16	2.16
Sugar, Preserves & Confectionery								
Sugar	Per 2 kg pkt	3.34	3.28	3.19	3.13	3.09	3.19	3.22
Non-Alcoholic Beverages								
Instant Coffee	Per 200 g bottle	10.07	9.96	9.94	10.11	10.27	10.34	10.12
Aerated Soft Drinks	Per 330 ml can	0.67	0.68	0.68	0.69	0.69	0.70	0.71
Non-Aerated, Soft Drinks	Per 6 pkts of 250 ml	2.38	2.42	2.49	2.46	2.40	2.33	2.37
Alcoholic Drinks & Tobacco								
Beer	Per 330 ml can	3.10	3.10	3.22	3.30	3.26	3.15	3.09
Cigarettes	Per 20-stick pack	10.80	10.86	11.82	11.99	12.04	12.11	13.02
Petroleum Related Products								
Diesel	Per litre	1.50	1.51	1.50	1.17	1.04	1.34	1.56
Petrol, 98 Octane	Per litre	2.13	2.20	2.22	2.19	2.17	2.33	2.47
Petrol, 95 Octane	Per litre	2.00	2.05	2.05	1.92	1.82	2.00	2.14
Petrol, 92 Octane	Per litre	1.95	1.99	2.00	1.87	1.77	1.95	2.08
Liquefied Petroleum Gas	Per kg	3.15	3.20	3.34	3.04	3.08	3.35	3.47

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

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
All Items	10,000	118.4	115.3	111.4	94.3	87.8	94.0	100.0
Non-Oil Items	7,212	107.1	105.1	104.1	102.7	99.2	100.2	100.0
Food & Live Animals	319	99.4	101.3	104.2	101.2	99.2	101.0	100.0
Live animals	10	107.0	109.0	111.0	110.0	109.0	106.3	100.0
Meat & meat preparations	56	101.3	102.4	104.6	101.6	98.5	104.1	100.0
Dairy products & birds' eggs	43	104.2	114.1	121.2	104.5	94.6	101.2	100.0
Fish, seafood & preparations	42	89.3	87.9	89.8	92.7	97.8	99.7	100.0
Cereals & cereal preparations	51	93.7	95.7	96.4	96.1	94.4	95.6	100.0
Vegetables & fruit	40	93.2	99.5	101.3	103.5	97.2	99.6	100.0
Sugar, sugar preparations & honey	13	124.2	115.3	109.7	106.3	114.9	117.0	100.0
Coffee, tea, cocoa, spices & manufactures	27	106.0	98.8	107.5	112.3	119.9	106.1	100.0
Animal feeding stuff (excl unmilled cereals)	3	92.4	92.3	96.4	95.9	96.7	98.1	100.0
Miscellaneous food preparations	35	96.4	95.0	95.4	96.5	96.8	98.5	100.0
Beverages & Tobacco	30	99.1	99.0	100.1	101.0	100.6	98.9	100.0
Beverages	28	101.3	100.7	101.8	102.2	100.7	100.0	100.0
Tobacco & manufactures	2	94.2	95.2	96.4	98.4	100.2	96.4	100.0
Crude Materials (excl fuels)	85	113.4	112.7	113.9	109.4	99.7	98.8	100.0
Oil seeds & oleaginous fruits	3	105.7	104.7	101.5	108.2	101.9	101.2	100.0
Crude rubber	31	107.3	107.2	111.4	108.8	101.0	100.3	100.0
Cork & wood	3	108.0	103.8	102.3	103.7	99.6	98.6	100.0
Crude fertilizers & minerals	34	123.4	123.1	123.5	115.9	101.0	98.3	100.0
Metalliferous ores & metal scrap	5	105.1	98.7	100.5	94.9	91.6	97.3	100.0
Crude animal & vegetable materials nes	10	94.9	103.0	108.8	110.5	103.9	100.0	100.0
Mineral Fuels, Lubricants & Related Materials	2,788	144.5	138.5	128.1	75.2	61.6	79.7	100.0
Petroleum & products & related materials	2,669	145.9	139.5	129.0	75.4	61.5	79.4	100.0
Gas	119	120.3	122.1	112.9	72.0	63.1	83.6	100.0

(continued on the next page)

Notes : The Domestic Supply Price Index measures the change in prices of imported and locally manufactured products retained for use in the domestic economy by the government, business or household sectors.

1 With effect from 2018, the weights are based on the domestic supply of goods from external source (values of imports less re-exports in 2017) and local source (total sales of local producers less the portion of exports in 2017).

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21.5 DOMESTIC SUPPLY PRICE INDEX *(continued)*

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Animal & Vegetable Oils,								
Fats & Waxes	42	142.9	121.3	120.3	106.0	111.5	114.1	100.0
Fixed vegetable fats & oils	42	141.3	118.2	118.1	102.3	113.0	116.6	100.0
Chemicals & Chemical Products	1,142	109.7	109.9	108.4	94.6	90.4	95.5	100.0
Organic chemicals	459	109.4	111.6	110.0	87.1	81.9	90.9	100.0
Inorganic chemicals	54	110.8	97.3	93.0	92.5	91.8	94.9	100.0
Dyeing, tanning & colouring materials	20	110.9	103.6	102.3	100.4	98.4	99.1	100.0
Medicinal & pharmaceutical products	95	124.6	118.5	114.6	106.4	104.3	99.0	100.0
Essential oils & perfume; toilet cleaning products	62	101.6	102.3	103.4	100.4	100.4	98.9	100.0
Plastics in primary forms	158	104.7	106.1	108.5	95.0	87.5	93.2	100.0
Plastics in non-primary forms	32	101.9	102.8	103.3	102.6	100.2	100.6	100.0
Chemical materials & products nes	263	108.6	109.3	107.8	107.6	104.6	105.6	100.0
Manufactured Goods	490	104.6	101.9	101.2	99.1	93.2	96.8	100.0
Rubber manufactures nes	15	104.9	101.1	99.1	102.9	100.7	101.0	100.0
Wood & cork manufactures (excl furniture)	6	96.0	95.7	96.2	97.1	98.1	100.0	100.0
Paper manufactures	53	96.9	96.0	96.0	97.3	95.7	96.1	100.0
Textile manufactures	15	101.4	99.5	100.2	102.4	102.1	101.0	100.0
Non-metal mineral manufactures nes	123	103.9	104.8	106.3	106.6	100.9	99.4	100.0
Iron & steel	110	112.6	106.4	103.7	95.7	84.7	91.3	100.0
Non-ferrous metals	80	106.9	101.0	98.2	92.5	87.4	98.8	100.0
Manufactures of metals nes	86	101.6	100.1	100.2	101.1	95.5	97.3	100.0

(continued on the next page)

Notes : The Domestic Supply Price Index measures the change in prices of imported and locally manufactured products retained for use in the domestic economy by the government, business or household sectors.

1 With effect from 2018, the weights are based on the domestic supply of goods from external source (values of imports less re-exports in 2017) and local source (total sales of local producers less the portion of exports in 2017).

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21.5 DOMESTIC SUPPLY PRICE INDEX *(continued)*

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Machinery & Transport Equipment	4,302	108.5	105.7	104.0	107.0	103.2	102.2	100.0
Power-generating machinery & equipment	205	76.6	79.2	83.3	92.1	95.3	98.0	100.0
Machinery specialized for particular industries	189	105.5	103.2	102.3	102.1	99.8	100.5	100.0
Metal working machinery	6	98.7	98.0	96.9	97.4	99.8	99.6	100.0
General industrial machinery	90	99.2	99.4	100.6	101.3	100.9	101.3	100.0
Office machines & data-processing machines	192	102.4	100.2	100.4	101.9	101.2	100.8	100.0
Telecommunication apparatus	53	150.4	138.2	119.8	115.5	110.0	104.7	100.0
Electrical machinery apparatus nes, electrical parts	3,456	111.3	108.2	106.4	110.0	104.5	103.0	100.0
Road vehicles	111	89.8	88.7	94.4	95.0	95.8	97.3	100.0
Miscellaneous Manufactured Articles	802	101.8	99.7	99.8	100.2	100.7	101.3	100.0
Prefabricated building, sanitary plumbing, lighting nes	7	99.0	99.2	99.8	101.0	98.0	99.6	100.0
Furniture, bedding, mattresses, cushions & others	23	90.0	89.7	90.8	92.2	93.7	98.6	100.0
Travel goods, handbags & similar containers	39	84.6	87.7	93.6	98.6	100.5	100.0	100.0
Articles of apparel & clothing accessories	25	92.4	95.5	97.4	99.2	99.7	98.4	100.0
Footwear	14	94.3	94.5	97.9	97.3	98.8	99.2	100.0
Professional scientific & controlling instruments nes	409	101.0	101.0	101.9	101.7	101.3	102.3	100.0
Photographic & optical goods nes; watches & clocks	75	105.3	103.6	104.0	103.6	102.2	100.7	100.0
Miscellaneous manufactured articles nes	211	108.6	101.1	98.3	99.3	101.6	101.6	100.0

Notes : The Domestic Supply Price Index measures the change in prices of imported and locally manufactured products retained for use in the domestic economy by the government, business or household sectors.

1 With effect from 2018, the weights are based on the domestic supply of goods from external source (values of imports less re-exports in 2017) and local source (total sales of local producers less the portion of exports in 2017).

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21.6 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
All Items	10,000	114.8	111.3	107.5	97.6	92.2	95.8	100.0
Non-Oil Items	8,586	109.0	106.0	103.3	101.0	97.9	98.6	100.0
Food & Live Animals	256	97.1	98.4	101.9	100.5	99.7	99.5	100.0
Meat & meat preparations	20	100.8	101.5	102.3	100.8	100.3	100.7	100.0
Dairy products & birds' eggs	15	105.1	112.0	115.3	107.5	98.9	101.9	100.0
Fish, seafood & preparations	5	85.5	84.3	91.9	93.2	95.1	101.6	100.0
Cereals & cereal preparations	42	91.2	92.7	94.9	96.0	96.8	99.3	100.0
Vegetables & fruit	3	93.0	93.0	93.0	94.8	96.0	97.0	100.0
Coffee, tea, cocoa, spices & manufactures	28	98.4	92.3	107.7	104.5	111.3	97.1	100.0
Animal feeding stuff (excl unmilled cereals)	6	95.0	92.9	98.5	99.2	99.2	99.0	100.0
Miscellaneous food preparations	135	95.7	96.8	97.2	98.7	98.4	98.8	100.0
Beverages & Tobacco	31	101.1	101.0	101.8	102.6	103.0	98.4	100.0
Beverages	31	103.9	103.3	104.5	105.7	103.3	100.9	100.0
Crude Materials (excl fuels)	56	87.0	88.5	90.7	91.3	94.8	94.7	100.0
Crude Rubber	50	na	na	na	na	na	na	100.0
Wood & cork	1	79.6	91.6	93.5	93.6	93.1	98.8	100.0
Crude fertilizers & minerals	2	76.5	78.6	82.5	83.7	90.7	89.7	100.0
Metalliferous ores & metal scrap	4	101.9	100.4	100.4	100.4	100.3	100.0	100.0
Mineral Fuels, Lubricants & Related Materials	1,414	140.9	135.3	126.3	82.1	66.4	83.0	100.0
Petroleum & products & related materials	1,386	140.8	135.1	126.1	82.1	66.4	82.9	100.0
Gas	28	151.5	146.5	136.3	78.1	62.7	92.0	100.0
Animal & Vegetable Oils, Fats & Waxes	14	119.4	104.1	112.5	107.6	113.6	119.3	100.0
Fixed vegetable fats & oils	14	102.7	89.3	104.3	102.1	116.7	125.3	100.0

(continued on the next page)

Notes : The Singapore Manufactured Products Price Index measures the change in prices of locally manufactured commodities.

1 With effect from 2018, the weights are derived from the 2017 Census of Manufacturing Activities.

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21.6 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX *(continued)*

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Chemicals & Chemical Products	2,165	101.9	102.3	101.1	89.8	88.0	92.5	100.0
Organic chemicals	1,012	99.7	99.6	96.8	81.8	81.8	88.1	100.0
Inorganic chemicals	40	118.5	112.6	108.7	105.7	99.6	99.9	100.0
Dyeing, tanning & colouring materials	22	106.8	103.8	103.3	101.1	96.8	98.9	100.0
Medicinal & pharmaceutical products	232	100.0	100.3	101.0	104.0	99.8	99.9	100.0
Essential oils & perfume; toilet cleaning products	133	91.1	87.3	88.6	91.2	93.5	98.0	100.0
Plastics in primary forms	372	101.8	106.1	109.0	93.5	87.2	93.2	100.0
Plastics in non-primary forms	34	108.5	111.5	112.7	111.3	108.7	104.5	100.0
Chemical materials & products nes	320	115.2	116.4	116.7	115.7	110.9	108.0	100.0
Manufactured Goods	284	102.0	101.6	100.9	100.0	96.2	97.8	100.0
Rubber manufactures nes	23	88.5	87.3	87.5	92.6	94.8	96.5	100.0
Wood & cork manufactures (excl furniture)	8	96.4	96.0	96.5	97.2	98.3	100.0	100.0
Paper manufactures	34	100.5	103.8	104.6	104.3	100.6	101.4	100.0
Non-metal mineral manufactures nes	45	102.6	102.6	104.9	102.7	99.1	98.6	100.0
Iron & steel	53	128.2	123.9	117.4	110.6	95.7	92.0	100.0
Non-ferrous metals	20	95.2	93.1	91.3	88.4	85.4	95.8	100.0
Manufactures of metals nes	99	99.4	99.2	98.0	98.5	96.2	98.7	100.0
Machinery & Transport Equipment	4,897	117.3	110.8	106.3	109.9	105.2	103.0	100.0
Power-generating machinery & equipment	8	107.1	101.2	98.0	101.3	98.0	99.3	100.0
Machinery specialized for particular industries	571	111.2	108.2	104.5	105.2	99.1	101.5	100.0
Metal working machinery	18	103.6	107.0	106.9	100.9	99.7	100.1	100.0
General industrial machinery	85	100.9	99.8	100.6	101.6	101.9	102.1	100.0
Office machines & data-processing machines	880	129.8	113.4	103.5	107.5	106.6	103.3	100.0
Telecommunication apparatus	45	102.0	103.3	101.8	104.5	103.5	102.3	100.0
Electrical machinery apparatus nes, electrical parts	3,271	115.2	111.8	108.9	113.4	106.4	103.3	100.0
Road vehicles	20	88.2	89.7	95.4	98.2	100.5	101.7	100.0
Miscellaneous Manufactured Articles	883	102.8	101.5	99.0	96.4	95.4	97.2	100.0
Furniture, bedding, mattresses, cushions & others	16	84.9	85.1	87.0	89.6	92.9	100.0	100.0
Travel goods, handbags & similar containers	1	87.7	90.9	96.9	101.6	101.3	99.9	100.0
Professional scientific & controlling instruments	516	108.3	106.6	106.0	102.3	101.8	102.1	100.0
Photographic & optical goods nes; watches & clocks	48	125.1	126.4	127.3	127.8	103.3	101.8	100.0
Miscellaneous manufactured articles nes	303	98.6	97.7	92.9	89.6	89.1	92.1	100.0

Notes : The Singapore Manufactured Products Price Index measures the change in prices of locally manufactured commodities.

1 With effect from 2018, the weights are derived from the 2017 Census of Manufacturing Activities.

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21.7 IMPORT PRICE INDEX

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
All Items	10,000	115.2	112.0	108.9	95.1	90.1	95.3	100.0
Non-Oil Items	7,410	104.9	102.7	102.0	102.4	100.4	101.0	100.0
Food & Live Animals	247	100.5	101.4	104.8	102.0	99.5	101.2	100.0
Live animals	9	107.7	109.4	111.6	110.9	109.6	106.9	100.0
Meat & meat preparations	31	101.1	102.4	105.5	101.9	97.6	105.5	100.0
Dairy products & birds' eggs	30	105.9	118.0	128.6	103.8	92.5	101.5	100.0
Fish, seafood & preparations	34	89.5	88.7	90.9	93.6	98.0	99.4	100.0
Cereals & cereal preparations	24	98.4	100.7	99.1	97.0	92.1	91.0	100.0
Vegetables & fruit	48	93.2	98.1	101.2	103.6	97.2	100.0	100.0
Sugar, sugar preparations & honey	9	125.7	116.3	110.4	106.2	114.9	117.5	100.0
Coffee, tea, cocoa, spices & manufactures	28	109.7	105.9	115.2	119.8	120.3	107.4	100.0
Animal feeding stuff (excl unmilled cereals)	4	91.6	93.2	96.3	93.6	95.0	97.9	100.0
Miscellaneous food preparations	31	101.3	91.8	91.7	90.4	90.3	94.5	100.0
Beverages & Tobacco	112	95.3	96.4	97.4	99.8	99.6	100.2	100.0
Beverages	84	97.9	98.7	99.3	101.1	100.9	101.3	100.0
Tobacco & manufactures	28	88.0	89.8	91.8	96.0	95.7	97.0	100.0
Crude Materials (excl fuels)	84	119.6	114.4	111.7	105.3	97.8	100.5	100.0
Oil seeds & oleaginous fruits	2	105.3	101.2	96.5	106.6	101.4	101.2	100.0
Crude rubber	19	169.7	140.6	114.7	95.4	95.2	109.1	100.0
Cork & wood	3	110.8	104.8	103.3	105.2	100.8	99.0	100.0
Crude fertilizers & minerals	30	125.0	124.5	124.9	118.4	103.3	99.9	100.0
Metalliferous ores & metal scrap	17	106.2	100.3	100.1	93.4	88.6	97.6	100.0
Crude animal & vegetable materials nes	13	93.4	100.8	108.7	108.1	100.8	97.4	100.0
Mineral Fuels, Lubricants & Related Materials	2,590	143.9	138.0	127.8	74.8	61.5	79.7	100.0
Petroleum & products & related materials	2,431	145.6	139.1	128.9	75.1	61.4	79.5	100.0
Gas	159	117.6	120.0	110.9	71.5	63.1	82.8	100.0
Animal & Vegetable Oils, Fats & Waxes	27	145.5	120.9	119.4	102.0	110.6	114.7	100.0
Fixed vegetable fats & oils	27	146.6	121.1	119.6	101.7	111.0	115.3	100.0

(continued on the next page)

Notes: The Import Price Index tracks the price trends of imported goods into Singapore.

1 With effect from 2018, the weights are derived from the 2018 Singapore Merchandise Trade Statistics Import Values.

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21.7 IMPORT PRICE INDEX *(continued)*

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Chemicals & Chemical Products	888	106.5	105.3	104.3	98.0	93.8	96.7	100.0
Organic chemicals	216	113.8	112.6	109.0	95.4	86.7	93.8	100.0
Inorganic chemicals	35	102.4	83.4	79.7	81.7	84.8	90.4	100.0
Dyeing, tanning & colouring materials	33	112.3	103.9	102.1	99.2	98.3	98.7	100.0
Medicinal & pharmaceutical products	101	115.4	111.5	108.7	102.6	101.2	97.0	100.0
Essential oils & perfume; toilet cleaning products	147	94.7	95.5	97.3	96.6	97.3	97.3	100.0
Plastics in primary forms	164	104.5	107.7	110.6	100.4	94.3	96.6	100.0
Plastics in non-primary forms	38	98.8	98.9	99.7	99.6	97.4	99.2	100.0
Chemical materials & products nes	154	104.0	103.9	101.3	101.5	98.0	101.2	100.0
Manufactured Goods	505	105.3	102.4	102.9	99.2	92.3	96.4	100.0
Rubber manufactures nes	25	107.6	103.9	101.9	103.9	100.8	101.1	100.0
Paper manufactures	51	93.3	92.0	92.4	95.1	93.8	94.8	100.0
Textile manufactures	26	99.8	98.1	99.4	102.3	101.5	100.8	100.0
Non-metal mineral manufactures nes	60	106.1	108.0	108.0	110.3	103.4	100.4	100.0
Iron & steel	131	107.1	102.3	103.6	96.3	85.3	93.6	100.0
Non-ferrous metals	84	110.1	103.4	103.4	90.0	85.9	96.5	100.0
Manufactures of metals nes	128	104.4	103.0	103.8	103.5	94.9	96.2	100.0
Machinery & Transport Equipment	4,690	105.3	103.0	101.9	103.9	102.4	102.2	100.0
Power-generating machinery & equipment	526	79.3	81.6	85.3	92.8	95.7	98.1	100.0
Machinery specialized for particular industries	306	106.4	102.6	100.7	100.8	100.5	99.9	100.0
Metal working machinery	23	104.7	99.4	97.2	97.3	101.2	100.1	100.0
General industrial machinery	281	100.2	99.5	100.4	100.1	101.3	101.0	100.0
Office machines & data-processing machines	457	100.6	98.9	99.1	102.0	101.5	101.1	100.0
Telecommunication apparatus	390	147.0	135.8	118.8	115.3	110.0	104.9	100.0
Electrical machinery apparatus nes, electrical parts	2,542	106.6	104.7	104.1	106.8	103.7	103.7	100.0
Road vehicles	164	97.5	95.5	98.6	96.5	98.4	98.3	100.0
Miscellaneous Manufactured Articles	857	100.5	97.8	97.8	101.0	101.8	101.6	100.0
Prefabricated building, sanitary plumbing, lighting nes	12	98.4	98.8	99.5	101.4	98.4	99.6	100.0
Furniture, bedding, mattresses, cushions & others	26	97.7	96.6	96.5	96.0	95.3	97.1	100.0
Travel goods, handbags & similar containers	54	86.4	88.9	95.1	99.3	100.4	99.7	100.0
Articles of apparel & clothing accessories	79	93.1	95.6	97.4	99.1	99.4	98.4	100.0
Footwear	24	95.0	94.9	97.9	97.3	98.8	99.4	100.0
Professional scientific & controlling instruments	275	90.5	91.1	92.4	100.6	101.1	101.5	100.0
Photographic & optical goods nes; watches & clocks	106	107.0	104.0	104.6	103.9	103.0	101.8	100.0
Miscellaneous manufactured articles nes	283	111.7	103.6	100.8	101.7	103.8	103.5	100.0

Notes: The Import Price Index tracks the price trends of imported goods into Singapore.

1 With effect from 2018, the weights are derived from the 2018 Singapore Merchandise Trade Statistics Import Values.

Download times series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15818
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15814

21.8 EXPORT PRICE INDEX

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
All Items	10,000	112.5	109.4	106.9	99.5	94.2	96.9	100.0
Non-Oil Items	8,022	104.8	103.0	102.0	104.6	101.8	100.9	100.0
Food & Live Animals	236	101.5	98.0	103.0	105.1	102.2	100.0	100.0
Dairy products & birds' eggs	5	133.6	141.0	166.2	135.5	106.3	107.4	100.0
Fish, seafood & preparations	9	92.9	88.4	88.7	92.4	93.1	96.7	100.0
Cereals & cereal preparations	7	88.0	88.7	89.8	92.3	93.2	97.2	100.0
Vegetables & fruit	8	78.4	72.6	95.1	104.2	99.0	110.9	100.0
Sugar, sugar preparations & honey	3	106.5	96.0	94.5	94.0	101.7	105.2	100.0
Coffee, tea, cocoa, spices & manufactures	26	106.2	102.5	114.1	116.7	113.9	106.4	100.0
Animal feeding stuff (excl unmilled cereals)	7	97.4	96.7	97.1	116.0	113.5	102.6	100.0
Miscellaneous food preparations	171	103.8	99.6	98.1	99.9	97.8	93.4	100.0
Beverages & Tobacco	103	94.6	92.7	94.8	101.4	103.4	101.7	100.0
Beverages	75	99.2	95.8	97.3	102.8	104.1	102.5	100.0
Tobacco & manufactures	28	82.4	84.7	88.3	97.8	101.5	99.5	100.0
Crude Materials (excl fuels)	91	126.2	114.3	106.0	94.4	88.0	101.1	100.0
Crude rubber	35	204.6	166.6	117.8	102.4	103.4	127.9	100.0
Pulp and waste paper	26	87.7	81.2	83.4	85.8	85.7	98.3	100.0
Metalliferous ores & metal scrap	26	121.4	110.4	108.5	90.5	80.1	95.2	100.0
Crude animal & vegetable materials nes	4	102.6	102.4	106.0	101.6	98.6	98.2	100.0
Mineral Fuels, Lubricants & Related Materials	1,978	142.0	134.3	125.7	79.9	64.7	81.4	100.0
Petroleum & products & related materials	1,978	141.9	134.2	125.7	79.9	64.7	81.3	100.0
Animal & Vegetable Oils, Fats & waxes	5	115.5	107.7	104.4	97.8	97.7	102.8	100.0
Fixed vegetable fats & oils	5	130.9	117.9	113.4	105.1	105.1	106.7	100.0

(continued on the next page)

Notes: The Export Price Index measures changes in price of all exports of merchandise from Singapore, including re-exports.

1 With effect from 2018, the weights are derived from the 2018 Singapore Merchandise Trade Statistics Export Values.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15816

21.8 EXPORT PRICE INDEX *(continued)*

(2018 =100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Chemicals & Chemical Products	1,525	104.7	104.4	105.1	102.2	96.8	97.7	100.0
Organic chemicals	428	111.3	109.5	108.5	103.6	94.9	95.5	100.0
Inorganic chemicals	14	106.7	102.9	101.4	100.0	97.2	100.2	100.0
Dyeing, tanning & colouring materials	37	103.9	94.9	95.4	93.5	93.8	96.0	100.0
Medicinal & pharmaceutical products	250	109.9	106.8	109.4	110.0	106.4	102.7	100.0
Essential oils & perfume; toilet cleaning products	232	90.9	95.3	95.4	96.1	99.2	101.5	100.0
Plastics in primary forms	355	100.8	103.2	105.3	96.3	88.6	93.2	100.0
Plastics in non-primary forms	29	102.9	102.6	104.0	104.7	99.7	99.7	100.0
Chemical materials & products nes	181	98.2	98.1	99.6	105.8	104.1	103.0	100.0
Manufactured Goods	318	102.9	101.7	102.2	99.1	95.6	98.2	100.0
Rubber manufactures nes	22	98.7	97.9	97.6	97.1	97.1	99.0	100.0
Paper manufactures	41	99.8	100.8	101.0	105.1	100.9	99.1	100.0
Textile manufactures	19	100.6	101.2	101.1	107.7	106.1	100.9	100.0
Non-metal mineral manufactures nes	14	106.6	97.3	95.1	96.8	102.2	101.0	100.0
Iron & steel	66	114.5	114.4	113.8	108.9	95.1	94.5	100.0
Non-ferrous metals	67	96.1	93.9	96.3	81.7	84.0	97.2	100.0
Manufactures of metals nes	89	100.6	100.2	101.3	102.2	99.1	100.3	100.0
Machinery & Transport Equipment	4,836	106.1	104.3	102.8	107.4	104.2	102.0	100.0
Power-generating machinery & equipment	418	93.7	94.4	95.1	98.6	98.7	99.7	100.0
Machinery specialized for particular industries	437	106.9	105.6	106.4	104.1	97.0	98.4	100.0
Metal working machinery	25	90.4	90.4	91.9	95.2	97.8	98.4	100.0
General industrial machinery	212	97.9	96.8	97.6	102.9	103.5	101.4	100.0
Office machines & data-processing machines	467	103.4	99.4	99.7	108.6	107.7	104.0	100.0
Telecommunication apparatus	366	135.2	129.8	122.5	120.8	115.7	112.0	100.0
Electrical machinery apparatus nes, electrical parts	2,814	107.1	105.7	103.1	108.3	104.2	101.4	100.0
Road vehicles	98	86.6	88.2	92.4	94.9	96.2	100.2	100.0

(continued on the next page)

Notes: The Export Price Index measures changes in price of all exports of merchandise from Singapore, including re-exports.

1 With effect from 2018, the weights are derived from the 2018 Singapore Merchandise Trade Statistics Export Values.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15816

21.8 EXPORT PRICE INDEX *(continued)*

(2018=100)

Item	Weights [1]	2012	2013	2014	2015	2016	2017	2018
Miscellaneous Manufactured Articles	908	99.5	95.5	93.1	97.3	100.8	101.5	100.0
Prefabricated building, sanitary plumbing, lighting nes	3	73.6	75.5	83.7	83.0	85.3	87.7	100.0
Furniture, bedding, mattresses, cushions & others	5	90.1	93.7	94.2	94.4	95.9	97.3	100.0
Travel goods, handbags & similar containers	37	76.5	82.7	89.8	94.1	94.4	93.3	100.0
Articles of apparel & clothing accessories	40	96.2	96.5	97.1	98.4	98.4	99.0	100.0
Footwear	14	98.3	98.4	98.7	100.2	100.4	100.3	100.0
Professional scientific & controlling instruments	365	94.5	93.3	92.0	99.1	100.5	101.6	100.0
Photographic & optical goods nes; watches & clocks	98	107.0	105.8	104.8	102.8	100.5	101.3	100.0
Miscellaneous manufactured articles nes	345	103.5	95.8	91.2	95.1	102.0	102.4	100.0

Notes: The Export Price Index measures changes in price of all exports of merchandise from Singapore, including re-exports.

1 With effect from 2018, the weights are derived from the 2018 Singapore Merchandise Trade Statistics Export Values.

Download times series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15821

21.9 CONSTRUCTION MATERIAL MARKET PRICES

Material	Unit	2012	2013	2014	2015	2016	2017	2018
Cement in bulk (Ordinary Portland Cement)	$/Tonne	100.87	100.23	97.93	92.97	82.95	75.91	78.08
Steel Reinforcement Bars [1] (16-32 mm High Tensile)	$/Tonne	887.13	766.90	653.90	501.40	500.52	688.83	786.43
Granite [2] (20 mm Aggregate)	$/Tonne	21.26	20.61	22.45	19.71	15.43	16.07	17.21
Concreting Sand [2]	$/Tonne	24.10	22.99	23.25	22.68	18.30	17.12	18.59
Ready Mixed Concrete [3]	$/m [3]	110.23	106.85	111.15	99.47	85.01	81.42	85.15

Source : Building and Construction Authority

1 Between January 2012 and December 2014, the market prices of steel reinforcement bars (without cut and bend) are based on fixed price supply contracts with contract period of 6 months or less.
From January 2015, the market prices of steel reinforcement bars (without cut and bend) 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".

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21.10 HOUSING & DEVELOPMENT BOARD RESALE PRICE INDEX

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

	2012	2013	2014	2015	2016	2017	2018
Resale Price Index	146.7	145.8	137.0	134.8	134.6	132.6	131.4

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.

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21.11 PRIVATE PROPERTY PRICE INDEX BY TYPE OF PROPERTY

(End of Period)

Type of Property	2012	2013	2014	2015	2016	2017	2018
	(1st Quarter 2009 = 100)						
Residential [1]	151.5	153.2	147.0	141.6	137.2	138.7	149.6
Landed	177.0	177.1	167.6	160.8	153.6	152.9	162.6
Non-Landed	144.8	147.6	142.5	137.4	133.8	135.6	146.8
	(4th Quarter 1998 = 100)						
Commercial [2]							
Office Space	126.2	132.8	138.8	138.6	134.7	131.4	138.9
Retail Space [3]	123.8	129.5	130.7	129.6	122.6	111.8	112.5
	(4th Quarter 2012 = 100)						
Industrial [4]	100.0	103.2	106.8	105.0	95.4	90.0	90.0
Multiple-User Factory [5]	100.0	103.2	107.7	105.9	98.7	94.0	93.8
Single-User Factory [6]	100.0	97.8	99.0	97.2	85.4	79.3	79.6

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, 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15139
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15646
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15119

21.12 PRICE INDICES OF NON-LANDED PRIVATE RESIDENTIAL PROPERTIES [1]

BY LOCALITY

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

	2012	2013	2014	2015	2016	2017	2018
Core Central Region [2]	140.3	137.6	131.9	128.6	127.0	127.8	136.4
Rest of Central Region [3]	155.0	154.8	146.6	140.3	136.4	138.9	149.2
Outside Central Region	158.9	169.3	165.6	159.4	154.0	156.1	170.7

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15141

21.13 COMMERCIAL PROPERTY RENTAL INDEX IN CENTRAL REGION BY TYPE OF PROPERTY AND LOCALITY

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

Type of Property	2012	2013	2014	2015	2016	2017	2018
Office Space [1]							
Central Region	170.5	172.8	189.8	177.4	162.8	163.4	175.5
Central Area	173.7	176.9	196.2	183.8	168.6	168.1	181.4
Fringe Area	143.1	143.9	154.4	144.8	133.6	139.7	145.0
Retail Space [2]							
Central Region	118.3	117.3	118.4	113.5	104.1	99.2	98.2
Central Area	120.3	119.3	120.8	115.2	105.1	101.0	99.3
Fringe Area	109.8	110.5	111.8	108.8	101.6	94.7	95.9

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, entertainment and health & fitness) and referenced as 'retail space'.

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

22

Education

22 Education and Literacy

Singapore's education system aims to bring out the best in every child by enabling students to discover their talents, realise their full potential, and develop a passion for life-long learning. There are multiple educational pathways that seek to cater to the different strengths, interests and learning styles of students.

The bilingual policy is a cornerstone of Singapore's education system. It requires students to study two languages: English and a Mother Tongue. The learning of the Mother Tongue reinforces the cultural identity of Singaporeans and enables them to connect with communities across Asia and the world who speak that language or share that 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. They are also provided with opportunities to engage in hands-on learning through authentic settings which allow them to see the relevance of what they learn in the real-world context.

Primary Education

At the primary level, students go through a six-year course designed to lay 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 helps to guide them to a suitable academic programme in secondary school.

Secondary Education

At the secondary level, three core courses, namely Express course, Normal (Academic) course and Normal (Technical) course are offered to match the learning needs of students.

Specialised Schools, Specialised Schools for Normal (Technical) Students, Specialised Independent Schools, Independent Schools and schools which offer the Integrated Programme further contribute to the diverse secondary school landscape, to suit the unique needs of every student. 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

Junior colleges offer a two-year pre-university education course while the centralised institute offers a three-year programme.

Polytechnics

The polytechnics offer a wide range of courses that equip students for careers in diverse fields.

Institute of Technical Education (ITE)

The ITE taps on industry expertise to ensure its graduates are well-equipped with skills needed by industries.

Arts Institutions

The LASALLE College of the Arts and the Nanyang Academy of Fine Arts offer a range of publicly-funded full-time diploma programmes in visual and performing arts. A range of full-time

degree programmes are also offered to students who intend to pursue the creative arts at a higher level.

Universities

There are six publicly-funded universities in Singapore.

National University of Singapore (NUS)

NUS is a comprehensive and research-intensive university with sixteen faculties and schools, including a music conservatory. NUS offers traditional undergraduate programmes, the University Scholars Programme, a liberal arts degree programme at the Yale-NUS College, and a wide range of graduate programmes.

Nanyang Technological University (NTU)

NTU is a comprehensive and research-intensive university, with a strong focus on engineering, science and technology. Apart from its five Colleges, NTU also has a medical school, and seven Autonomous Institutes, including the National Institute of Education.

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 is a specialised and research-intensive university. It focuses on design education in engineering and architecture. It also hosts an International Design Centre 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 was restructured into 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.

Continuing Education and Training (CET)

Working adults who wish to deepen their skills or acquire new ones may do so through Institutes of Higher Learning (IHLs). There is 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.

The ITE offers part-time *Nitec, Higher Nitec, Specialist Nitec*, and ITE Skills Certificate courses. It also offers MOE-subsidised lessons for Secondary 1 Normal to N- and O-Levels for adult learners. The polytechnics offer part-time programmes at diploma and post-diploma levels. The universities offer part-time degree courses at both undergraduate and postgraduate levels. In addition, ITE, polytechnics and universities offer tailored modular courses which allows more flexibility in learning.

Work-learn programmes were developed to equip Singaporeans with industry-relevant skills in authentic workplace learning environments.

Education and Literacy

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".

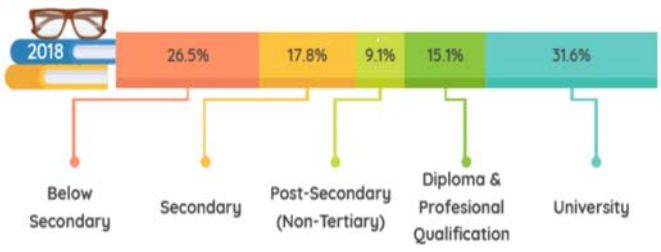
Statistics on the highest qualification attained of the population are collected through the Censuses of Population and the General Household Surveys conducted by the Singapore Department of Statistics (DOS) and the mid-year Labour Force Surveys conducted by the Ministry of Manpower. These statistics 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 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 attain

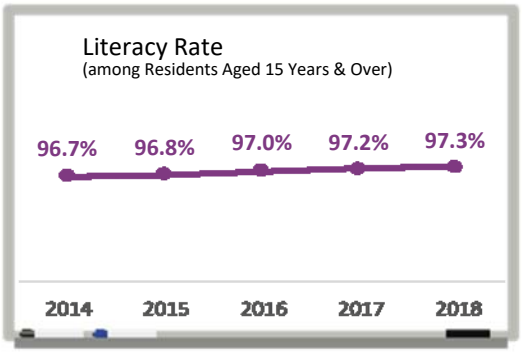
Highest Qualification Attained in 2018
(among Residents Aged 25 Years & Over)



Mean Years of Schooling: Refers to the years of education a person received on average.

Mean Years of Schooling in 2018
(among Residents Aged 25 Years & Over)

Literacy Rate: Refers to the proportion of population who are able to read with understanding (e.g. a newspaper). It is derived based on information as reported in surveys, including the Censuses of Population and General Household Surveys, as well as administrative data. Persons whose literacy is not known from surveys or administrative records are excluded from the computation of literacy rate.



Other References

The Ministry of Education (MOE) publishes detailed education statistics which can be found in the "Education Statistics Digest". 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

Number

	2012	2013	2014	2015	2016	2017	2018
Total	685,841	675,034	668,697	661,365	651,655	657,561	654,229
Primary Schools	252,735	244,045	241,683	239,102	238,140	235,754	234,414
Secondary Schools	202,520	197,165	190,107	186,036	180,000	171,420	165,347
Junior Colleges [1]	32,087	32,165	31,613	29,559	28,442	29,252	29,012
Institute of Technical Education [2]	25,370	26,288	28,036	29,295	27,519	28,508	28,367
Arts Institutions [3]	4,702	4,631	4,441	4,600	4,901	5,147	5,160
Polytechnics [4]	86,016	87,785	87,636	85,562	82,808	82,994	85,186
National Institute of Education [5]	4,429	3,793	3,853	3,317	3,263	2,865	2,998
Universities [6]	77,982	79,162	81,328	83,894	86,582	101,621	103,745

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, SIM University (2014 to 2016) and Singapore University of Social Sciences (from 2017).

Notes : Data for primary and secondary schools, junior colleges and universities exclude private schools or institutions.

1 Includes Centralised Institute.
2 Refers to students in full-time courses.
3 Refers to students in full-time diploma and degree 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, Singapore University of Technology and Design, full-time undergraduates in SIM University (from 2014 to 2016) and Singapore University of Social Sciences (from 2017).

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15210

22.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, 2018

Number

	Institut-ions	Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	373	654,229	336,844	317,385	51,288	21,164	30,124
Primary Schools	186	227,406	116,764	110,642	15,364	2,987	12,377
Secondary Schools	139	146,703	73,647	73,056	12,576	4,515	8,061
Mixed Levels [1]	16	36,311	19,523	16,788	2,994	1,101	1,893
Junior Colleges [2]	15	18,353	8,523	9,830	1,746	724	1,022
Institute of Technical Education [3]	3	28,367	17,660	10,707	1,698	1,073	625
Arts Institutions [4]	2	5,160	1,524	3,636	903	509	394
Polytechnics [5]	5	85,186	44,848	40,338	5,605	3,211	2,394
National Institute of Education	1	2,998	926	2,072	na	na	na
Universities [6]	6	103,745	53,429	50,316	10,402	7,044	3,358

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 Singapore University of Social Science.

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 students in full-time courses.
4 Refers to LASALLE College of the Arts and Nanyang Academy of Fine Arts. Data refer to students in full-time diploma and degree courses.
5 Refers to Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic. Data for students exclude those enrolled in Polytechnic Foundation Programme.
6 Refers to National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design and Singapore University of Social Sciences.

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

Number

	2012	2013	2014	2015	2016	2017	2018
Total	252,735	244,045	241,683	239,102	238,140	235,754	234,414
Level							
Primary 1	39,582	40,168	40,927	40,063	38,904	36,885	37,671
Primary 2	39,258	39,407	40,179	40,774	40,077	38,997	37,092
Primary 3	39,610	39,273	39,440	40,199	40,733	40,135	39,173
Primary 4	42,652	39,510	39,252	39,461	40,136	40,618	40,180
Primary 5	43,042	42,384	39,277	39,094	39,252	39,949	40,427
Primary 6	48,591	43,303	42,608	39,511	39,038	39,170	39,871
Age (in years)							
Under 7	38,952	39,576	40,444	39,720	38,481	36,478	37,278
7 & Under 8	38,975	39,157	39,879	40,538	40,013	38,830	36,902
8 & Under 9	39,020	38,968	39,131	39,765	40,487	40,056	39,000
9 & Under 10	41,901	38,973	38,953	39,081	39,655	40,360	40,037
10 & Under 11	42,436	41,743	38,840	38,931	38,949	39,512	40,244
11 & Under 12	47,889	42,167	41,505	38,632	38,710	38,726	39,276
12 & Under 13	2,620	2,601	2,217	1,928	1,453	1,469	1,377
13 & Under 14	781	741	654	466	351	291	275
14 & Over	161	119	60	41	41	32	25

Source : Ministry of Education

Notes : Age is as at the start of the year.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6580

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

Number

	2012	2013	2014	2015	2016	2017	2018
Total	234,607	229,330	221,720	215,595	208,442	200,672	194,359
Level							
Secondary 1	45,198	48,094	42,969	42,217	39,550	38,982	39,086
Express	27,293	28,870	27,490	26,736	24,613	24,475	24,432
Normal (Academic)	11,848	12,747	9,873	9,972	10,033	9,559	9,663
Normal (Technical)	6,057	6,477	5,606	5,509	4,904	4,948	4,991
Secondary 2	45,705	45,548	48,328	43,256	42,477	39,734	39,030
Express	28,038	27,671	29,241	27,719	26,976	24,915	24,645
Normal (Academic)	11,825	12,132	12,973	10,141	10,248	10,170	9,710
Normal (Technical)	5,842	5,745	6,114	5,396	5,253	4,649	4,675
Secondary 3	50,795	46,715	46,712	49,202	44,250	43,409	40,532
Express	31,387	28,897	28,619	30,007	28,387	27,750	25,619
Normal (Academic)	13,324	12,144	12,447	13,222	10,614	10,504	10,378
Normal (Technical)	6,084	5,674	5,646	5,973	5,249	5,155	4,535
Secondary 4	51,325	49,190	45,183	45,413	47,869	43,031	42,238
Express	32,011	30,585	28,293	28,115	29,444	27,780	27,173
Normal (Academic)	13,084	12,776	11,446	11,784	12,533	10,093	9,979
Normal (Technical)	6,230	5,829	5,444	5,514	5,892	5,158	5,086
Secondary 5 Normal (Academic)	9,497	7,618	6,915	5,948	5,854	6,264	4,461
Junior College 1 / Pre-U 1	16,727	16,890	15,937	14,512	14,602	15,373	14,398
Junior College 2 / Pre-U 2	15,023	14,973	15,386	14,675	13,455	13,608	14,436
Pre-U 3	337	302	290	372	385	271	178
Age (in years)							
Under 13	41,639	45,172	39,910	39,483	37,139	37,155	37,274
13 & Under 14	43,466	43,450	47,056	41,587	41,011	38,204	38,221
14 & Under 15	48,216	44,159	44,160	47,723	42,044	41,381	38,445
15 & Under 16	50,415	48,542	44,426	44,343	47,901	42,214	41,480
16 & Under 17	28,366	26,209	24,837	22,433	22,213	23,962	20,511
17 & Under 18	17,658	17,220	16,774	16,029	14,514	14,673	15,614
18 & Under 19	3,704	3,598	3,578	3,173	2,880	2,433	2,275
19 & Under 20	947	855	836	696	617	549	466
20 & Over	196	125	143	128	123	101	73

Source : Ministry of Education

Notes : Normal (Technical) includes students on ITE Skill Certificate Courses.
Age is as at the start of the year.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=11206

22.5 ENROLMENT IN POLYTECHNIC DIPLOMA COURSES BY TYPE OF COURSE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
MALES	44,092	45,299	44,893	43,235	41,287	40,930	41,480
Education	54	79	69	71	75	121	153
Applied Arts [1]	2,637	2,546	2,685	2,287	2,172	2,163	2,248
Humanities & Social Sciences	966	1,053	1,092	274	262	256	262
Mass Communication & Information Science	513	522	519	537	484	486	497
Business & Administration [2]	6,906	7,440	7,414	6,624	6,284	6,143	6,285
Legal Studies	211	221	223	218	203	190	184
Science & Related Technologies	1,764	1,818	1,852	1,823	1,773	1,679	1,612
Health Sciences	1,880	1,812	1,830	2,203	2,102	2,010	2,032
Information Technology	7,048	7,263	7,085	6,503	6,107	5,946	6,117
Architecture & Building [3]	903	986	1,010	934	832	1,061	1,115
Engineering Sciences	20,252	20,426	19,405	19,234	18,567	18,525	18,446
Services [4]	958	1,133	1,709	2,527	2,426	2,350	2,529
FEMALES	38,773	39,541	39,407	38,518	36,841	36,283	36,353
Education	886	966	960	1,067	1,407	1,842	2,174
Applied Arts [1]	3,346	3,389	3,448	3,186	3,064	3,128	3,253
Humanities & Social Sciences	1,248	1,284	1,307	773	758	792	809
Mass Communication & Information Science	1,182	1,328	1,413	1,496	1,436	1,368	1,420
Business & Administration [2]	11,139	11,881	12,267	10,968	10,425	10,036	10,004
Legal Studies	340	331	312	312	308	290	281
Science & Related Technologies	2,971	2,990	3,046	2,881	2,723	2,507	2,442
Health Sciences	5,621	5,468	5,219	5,803	5,704	5,849	6,032
Information Technology	4,823	4,541	4,226	3,644	3,186	2,904	2,646
Architecture & Building [3]	1,185	1,310	1,329	1,283	1,207	1,139	1,120
Engineering Sciences	5,472	5,385	4,920	5,253	4,892	4,792	4,666
Services [4]	560	668	960	1,852	1,731	1,636	1,506

Sources : Ministry of Education, 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 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15199

22.6 ENROLMENT IN UNIVERSITY FIRST DEGREE COURSES BY TYPE OF COURSE [1]

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
MALES	30,447	30,863	31,800	32,702	34,010	41,471	42,659
Education	420	317	258	207	169	263	230
Applied Arts [2]	586	628	641	665	670	725	698
Humanities & Social Sciences	3,327	3,550	3,756	3,861	4,046	5,155	5,227
Mass Communication	184	173	174	174	178	411	414
Accountancy	1,685	1,768	1,912	2,039	2,181	2,425	2,486
Business & Administration	2,705	2,782	2,980	3,111	3,284	5,212	5,430
Law	757	755	799	844	853	879	890
Natural, Physical & Mathematical Sciences	3,258	3,140	3,223	3,237	3,300	3,395	3,329
Medicine	695	725	784	860	933	1,016	1,079
Dentistry	81	83	84	85	75	76	89
Health Sciences	345	387	422	441	525	633	760
Information Technology	2,617	2,737	2,809	3,071	3,352	4,474	4,907
Architecture & Building [3]	710	760	777	784	775	1,403	1,388
Engineering Sciences	12,732	12,687	12,895	12,971	13,314	14,631	14,930
Services [4]	345	371	286	352	355	654	671
FEMALES	30,309	30,943	32,063	33,412	34,266	41,176	42,307
Education	1,189	1,021	845	771	583	1,320	1,260
Applied Arts [2]	761	864	937	934	958	1,038	1,034
Humanities & Social Sciences	6,760	7,095	7,535	8,054	8,449	10,603	10,789
Mass Communication	494	529	555	602	596	958	973
Accountancy	2,316	2,274	2,456	2,684	2,909	3,225	3,140
Business & Administration	3,368	3,406	3,597	4,027	4,230	6,389	6,971
Law	717	736	715	706	740	767	818
Natural, Physical & Mathematical Sciences	4,625	4,715	4,922	4,989	4,967	4,646	4,231
Medicine	679	744	801	859	912	946	966
Dentistry	120	124	132	134	145	141	135
Health Sciences	948	1,054	1,076	1,126	1,335	1,611	1,952
Information Technology	1,236	1,321	1,343	1,504	1,513	1,851	2,143
Architecture & Building [3]	1,119	1,123	1,213	1,189	1,205	1,521	1,509
Engineering Sciences	5,275	5,386	5,543	5,460	5,342	5,508	5,721
Services [4]	702	551	393	373	382	440	456

Sources : Ministry of Education, National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design, SIM University (from 2014 to 2016) and Singapore University of Social Sciences (from 2017).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 are classified according to SSEC 2015.
Covers full-time and part-time first degree courses.

1 With effect from 2017, there are courses whose main field of study is not elsewhere classifiable.
2 Includes Industrial Design.
3 Includes Real Estate.
4 Includes Maritime Studies.

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22.7 GRADUATES FROM POLYTECHNIC DIPLOMA COURSES BY TYPE OF COURSE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
MALES	12,819	13,213	13,602	13,632	13,693	13,359	12,457
Education	16	12	21	20	30	13	25
Applied Arts [1]	704	783	725	731	759	682	669
Humanities & Social Sciences	188	258	315	86	92	90	77
Mass Communication & Information Science	201	175	162	174	203	179	145
Business & Administration [2]	2,098	2,118	2,306	2,171	2,273	2,167	1,921
Legal Studies	43	66	62	59	66	63	60
Science & Related Technologies	546	547	555	577	590	589	551
Health Sciences	576	612	594	622	661	696	670
Information Technology	2,096	2,062	2,133	2,156	2,051	2,004	1,773
Architecture & Building [3]	241	277	272	319	323	380	345
Engineering Sciences	5,870	5,938	5,990	5,946	5,838	5,704	5,562
Services [4]	240	365	467	771	807	792	659
FEMALES	12,011	12,189	12,354	12,378	12,573	12,446	11,782
Education	202	302	273	298	292	387	416
Applied Arts [1]	855	963	995	977	1,024	1,000	941
Humanities & Social Sciences	289	369	388	257	261	257	233
Mass Communication & Information Science	452	463	393	470	498	524	437
Business & Administration [2]	3,462	3,490	3,598	3,639	3,655	3,681	3,371
Legal Studies	90	126	87	87	92	94	93
Science & Related Technologies	845	922	931	923	914	981	846
Health Sciences	1,971	1,868	1,843	1,697	1,895	1,771	1,895
Information Technology	1,589	1,513	1,488	1,300	1,281	1,099	1,001
Architecture & Building [3]	271	353	435	396	420	444	383
Engineering Sciences	1,856	1,672	1,656	1,718	1,650	1,633	1,610
Services [4]	129	148	267	616	591	575	556

Sources : Ministry of Education, 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 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15213

22.8 GRADUATES FROM UNIVERSITY FIRST DEGREE COURSES BY TYPE OF COURSE [1]

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
MALES	6,778	7,724	7,756	7,872	7,703	8,963	9,404
Education	116	167	124	99	79	65	73
Applied Arts [2]	108	138	165	187	173	175	189
Humanities & Social Sciences	737	818	803	743	803	1,078	1,095
Mass Communication	37	62	44	42	35	78	68
Accountancy	447	399	473	480	439	574	596
Business & Administration	572	693	631	771	751	973	1,082
Law	140	189	180	187	178	187	238
Natural, Physical & Mathematical Sciences	837	870	786	790	755	743	849
Medicine	129	134	134	137	131	145	166
Dentistry	21	21	15	19	25	23	14
Health Sciences	61	95	124	128	112	142	150
Information Technology	484	573	708	689	670	758	954
Architecture & Building [3]	155	143	146	188	185	273	271
Engineering Sciences	2,880	3,286	3,288	3,258	3,283	3,593	3,514
Services [4]	54	136	135	154	84	145	128
FEMALES	7,228	8,085	7,620	7,638	8,192	9,574	9,593
Education	526	422	401	317	341	328	358
Applied Arts [2]	149	152	229	233	259	276	293
Humanities & Social Sciences	1,494	1,766	1,619	1,450	1,760	2,353	2,369
Mass Communication	133	100	114	130	153	192	196
Accountancy	589	688	649	556	664	752	752
Business & Administration	825	897	846	848	969	1,242	1,291
Law	207	179	176	168	173	188	165
Natural, Physical & Mathematical Sciences	1,074	1,257	1,103	1,145	1,195	1,337	1,285
Medicine	123	124	127	115	147	156	189
Dentistry	21	27	30	32	28	33	39
Health Sciences	218	296	309	353	368	410	385
Information Technology	280	251	289	377	381	367	393
Architecture & Building [3]	241	258	258	351	274	303	398
Engineering Sciences	1,213	1,323	1,251	1,375	1,385	1,478	1,346
Services [4]	135	345	219	188	95	124	108

Sources : Ministry of Education, National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design (from 2015) and Singapore University of Social Sciences (from 2017).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 are classified according to SSEC 2015.
Covers full-time and part-time first degree courses.
Data refer to academic year.

1 With effect from 2017, there are courses whose main field of study is not elsewhere classifiable.
2 Includes Industrial Design.
3 Includes Real Estate.
4 Includes Maritime Studies.

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22.9 ENROLMENT IN POLYTECHNIC ADVANCED DIPLOMA COURSES BY TYPE OF COURSE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
Total	3,151	2,945	3,336	3,809	4,680	5,781	7,353
Education	239	376	281	357	388	391	666
Applied Arts [1]	78	22	48	71	132	237	387
Humanities & Social Sciences	128	105	121	27	46	115	79
Business & Administration [2]	533	472	491	479	502	782	1,055
Science & Related Technologies	148	118	197	176	264	282	528
Health Sciences	1,203	1,120	1,120	1,176	1,177	1,377	1,376
Information Technology	288	415	572	886	1,370	1,771	2,279
Architecture & Building [3]	42	37	62	61	87	149	162
Engineering Sciences	427	222	439	556	589	579	675
Services [4]	65	58	5	20	125	98	146

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 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.

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22.10 ENROLMENT IN HIGHER DEGREE COURSES BY TYPE OF COURSE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
Total [1]	19,040	19,137	19,198	19,548	20,079	20,670	20,417
Education	1,266	1,273	1,229	1,364	1,397	1,306	1,296
Humanities & Social Sciences	1,957	2,085	2,133	2,104	2,148	2,825	2,495
Mass Communication	381	348	364	390	364	471	467
Business & Administration [2]	2,746	2,997	3,014	3,302	3,806	3,262	3,683
Law	305	289	275	281	262	261	258
Natural, Physical & Mathematical Sciences	2,764	2,398	2,317	2,247	2,182	2,205	2,210
Health Sciences [3]	1,447	1,495	1,562	1,562	1,414	1,658	1,538
Information Technology	1,273	1,384	1,626	1,685	1,861	1,766	1,943
Architecture & Building [4]	590	489	466	458	529	663	656
Engineering Sciences	6,119	6,229	6,059	5,967	5,902	6,094	5,634
Services	179	105	104	149	143	77	152
Others	13	12	27	36	41	49	50

Sources : National Institute of Education, National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore University of Technology and Design, Singapore University of Social Sciences (from 2017) and Singapore Institute of Technology (from 2017).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 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, Singapore University of Social Sciences, Singapore Institute of Technology, 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15206

22.11 GRADUATES FROM POLYTECHNIC ADVANCED DIPLOMA COURSES BY TYPE OF COURSE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
Total	2,063	2,012	1,610	1,945	2,216	2,886	4,056
Education	152	215	123	164	182	172	276
Applied Arts [1]	43	16	12	33	53	76	203
Humanities & Social Sciences	66	56	50	0	24	106	64
Business & Administration [2]	427	251	209	206	157	284	546
Science & Related Technologies	147	81	63	92	138	135	303
Health Sciences	653	773	640	720	694	798	827
Information Technology	141	158	245	384	573	813	1,230
Architecture & Building [3]	28	41	38	31	37	125	104
Engineering Sciences	353	370	225	314	271	324	432
Services [4]	53	51	5	1	87	53	71

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 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=11207

22.12 GRADUATES FROM HIGHER DEGREE COURSES BY TYPE OF COURSE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
Total [1]	7,186	7,514	7,824	7,811	8,280	9,143	9,571
Education	459	561	531	406	522	474	548
Humanities & Social Sciences	732	739	855	818	864	1,348	1,241
Mass Communication	196	210	193	190	228	312	306
Business & Administration [2]	1,518	1,561	1,738	1,769	1,936	2,004	2,255
Law	207	189	173	167	174	155	161
Natural, Physical & Mathematical Sciences	567	558	629	610	618	641	756
Health Sciences [3]	633	732	730	778	774	846	870
Information Technology	580	613	682	763	806	677	876
Architecture & Building [4]	306	252	266	282	326	400	280
Engineering Sciences	1,896	1,989	1,947	1,905	1,933	2,214	2,140
Services	92	83	66	100	91	34	95
Others	0	3	4	1	5	11	15

Sources : National Institute of Education, National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore University of Technology and Design (from 2013), Singapore University of Social Sciences (from 2017) and Singapore Institute of Technology (from 2018).

Notes : Data prior to 2015 are classified according to the Singapore Standard Educational Classification (SSEC) 2010, while data from 2015 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, Singapore University of Social Sciences, Singapore Institute of Technology, 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15200

22.13 ENROLMENT AND GRADUATES OF ARTS INSTITUTIONS BY COURSE AND LEVEL, 2018

Number

Course/Level	Enrolment			Graduates		
	Total	Males	Females	Total	Males	Females
Total	5,160	1,524	3,636	1,445	412	1,033
Business & Administration						
Diploma	212	56	156	62	16	46
Design & Applied Arts						
Diploma	2,200	568	1,632	541	149	392
Degree	768	167	601	253	57	196
Fine & Applied Arts						
Degree	118	23	95	34	5	29
Fine & Performing Arts						
Diploma	1,090	372	718	340	101	239
Degree	362	118	244	121	38	83
Media Production						
Diploma	276	155	121	58	31	27
Degree	134	65	69	36	15	21

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.

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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, 2018

Number

Type of Training/Level	Intake of Students/Trainees			Students/Trainees who Completed the Programmes [1]		
	Total	Males	Females	Total	Males	Females
Total	15,218	9,433	5,785	13,643	8,508	5,135
Engineering						
Diploma	155	142	13	66	60	6
Higher National ITE Certificate (Higher Nitec)	3,055	2,409	646	2,600	2,042	558
National ITE Certificate (Nitec)	3,980	3,205	775	3,844	3,112	732
Info-Communications Technology						
Diploma	24	17	7	na	na	na
Higher National ITE Certificate (Higher Nitec)	920	646	274	769	504	265
National ITE Certificate (Nitec)	1,089	745	344	1,145	807	338
Business & Services						
Diploma	48	23	25	19	12	7
Higher National ITE Certificate (Higher Nitec)	2,600	1,054	1,546	2,119	828	1,291
National ITE Certificate (Nitec)	3,347	1,192	2,155	3,081	1,143	1,938

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=11204

22.15 TRAINING PLACES TAKEN UP UNDER THE SKILLS TRAINING AND CONTINUING ACADEMIC EDUCATION PROGRAMMES AND PERSONS WHO COMPLETED THE PROGRAMMES, 2018

Number

Type of Training/Level	Training Places Taken Up			Persons who Completed the Programmes [1]		
	Total	Males	Females	Total	Males	Females
Total	11,749	7,404	4,345	3,719	2,583	1,136
Skills Training Programme [2]	10,115	6,690	3,425	2,993	2,283	710
Engineering						
Higher National ITE Certificate (*Higher Nitec*)	1,376	1,201	175	170	153	17
Specialist ITE Certificate (*Specialist Nitec*)	na	na	na	na	na	na
National ITE Certificate (*Nitec)*	2,186	1,912	274	370	323	47
ITE Skills Certificate (*ISC*)	2,091	2,038	53	1,342	1,317	25
Info-Communications Technology						
Higher National ITE Certificate (*Higher Nitec*)	254	199	55	18	16	2
National ITE Certificate (*Nitec*)	327	251	76	54	46	8
Business & Services						
Higher National ITE Certificate (*Higher Nitec*)	999	267	732	86	30	56
National ITE Certificate (*Nitec*)	2,114	463	1,651	330	69	261
ITE Skills Certificate (*ISC*)	768	359	409	623	329	294
Continuing Academic Education Programme						
Continuing Education (Secondary 1-5)	1,634	714	920	726	300	426

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=6572

22.16 GOVERNMENT EXPENDITURE ON EDUCATION

Thousand Dollars

	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
Total	10,496,911	11,638,313	11,598,458	11,934,956	12,468,854	12,690,630	13,090,000
Recurrent Expenditure	9,637,312	10,664,868	10,712,445	11,235,741	11,812,194	12,079,538	12,640,000
Primary Schools	1,946,159	2,185,580	2,263,510	2,457,901	2,563,211	2,731,770	2,892,452
Secondary Schools & Junior Colleges [1]	2,680,062	2,912,565	3,001,876	3,106,955	3,176,978	3,205,954	3,284,458
Institute of Technical Education	351,658	376,896	399,949	432,961	459,931	471,088	485,354
Tertiary	3,846,318	4,367,236	4,170,881	4,302,171	4,569,272	4,427,056	4,638,993
Universities [2]	2,536,971	2,969,921	2,736,642	2,897,770	3,138,310	3,046,680	3,254,804
National Institute of Education	113,312	99,668	94,941	86,526	80,290	74,774	109,575
Polytechnics [3]	1,196,035	1,297,647	1,339,298	1,317,875	1,350,672	1,305,602	1,274,614
Others [4]	813,115	822,591	876,229	935,753	1,042,802	1,243,670	1,338,743
Development Expenditure	859,599	973,445	886,013	699,215	656,660	611,092	450,000

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, Singapore University of Social Sciences (previously known as 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15204

22.17 GOVERNMENT RECURRENT EXPENDITURE ON EDUCATION PER STUDENT

Dollars

	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
Primary Schools	7,396	8,549	9,123	10,081	10,596	11,338	12,020
Secondary Schools [1]	9,940	11,434	12,261	13,213	13,869	14,527	15,518
Junior Colleges [2]	12,806	13,942	14,379	15,326	16,602	17,440	17,702
Institute of Technical Education [3]	11,837	12,491	12,650	13,619	13,968	14,582	14,743
Polytechnics [4]	14,487	15,304	15,681	16,118	15,934	16,561	16,408
Universities [5]	20,777	21,870	22,181	21,988	21,757	21,624	22,192

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).
From FY2018, data include funding to National Institute of Early Childhood Development (NIEC) offering publicly-funded full-time Higher Nitec courses.
4 Refers to publicly-funded full-time diploma courses offered by Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic, Republic Polytechnic, ITE, LASALLE College of the Arts and Nanyang Academy of Fine Arts.
From FY2018, data include funding to NIEC offering publicly-funded full-time diploma courses.
5 Refers to publicly-funded full-time degree courses offered by National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology & Design, LASALLE College of the Arts and Nanyang Academy of Fine Arts.
From FY2014, it includes Singapore University of Social Sciences (previously known as SIM University).

Download time series at 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

Thousand

	2012	2013	2014	2015	2016	2017	2018
Total	2,626.4	2,669.1	2,732.6	2,750.9	2,795.2	2,846.0	2,877.0
Below Secondary	848.2	833.3	832.1	800.0	819.3	813.8	761.5
Secondary	499.8	501.2	502.5	519.2	500.4	488.8	511.2
Post Secondary (Non-Tertiary)	239.4	232.4	238.0	250.5	249.8	253.5	260.7
Diploma & Professional Qualification	364.6	372.6	401.8	405.5	411.5	415.9	434.9
University	674.4	729.7	758.1	775.8	814.2	874.0	908.7
Total Males	1,259.1	1,277.8	1,309.9	1,316.0	1,334.5	1,363.3	1,376.6
Below Secondary	368.0	360.6	363.4	345.1	349.4	349.0	320.0
Secondary	217.9	220.7	217.0	227.4	218.6	216.9	225.5
Post Secondary (Non-Tertiary)	132.1	127.7	130.2	137.3	139.3	135.4	143.1
Diploma & Professional Qualification	187.4	189.2	203.6	205.3	211.8	208.5	219.5
University	353.7	379.7	395.7	401.0	415.5	453.4	468.4
Total Females	1,367.3	1,391.4	1,422.7	1,434.9	1,460.6	1,482.6	1,500.5
Below Secondary	480.1	472.7	468.7	454.9	469.9	464.7	441.5
Secondary	281.9	280.6	285.5	291.8	281.8	271.9	285.6
Post Secondary (Non-Tertiary)	107.3	104.7	107.8	113.2	110.6	118.2	117.6
Diploma & Professional Qualification	177.3	183.4	198.2	200.2	199.7	207.3	215.4
University	320.7	350.0	362.4	374.8	398.7	420.5	440.4

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12078

22.19 MEAN YEARS OF SCHOOLING

Years

	2012	2013	2014	2015	2016	2017	2018
Mean Years Of Schooling (25 Years & Over)	10.3	10.5	10.6	10.7	10.7	10.9	11.1
Males	10.9	11.0	11.1	11.2	11.2	11.3	11.6
Females	9.9	10.0	10.1	10.3	10.3	10.4	10.6

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.

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22.20 LITERACY RATE

Per Cent

	2012	2013	2014	2015	2016	2017	2018
Literacy Rate (15 Years & Over)	96.4	96.6	96.7	96.8	97.0	97.2	97.3
Males	98.5	98.5	98.6	98.6	98.7	98.8	98.9
Females	94.4	94.7	94.9	95.2	95.4	95.7	95.9

Notes : Refers to resident population aged 15 years and over.
Data for 2015 are from the General Household Survey.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=12759

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. Safety nets are provided to ensure that no Singaporean is denied access to healthcare because of financial difficulty. There is also 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.

Public Healthcare Services

Singapore's public healthcare establishments provide a full range of services covering primary care at polyclinics to tertiary care at hospitals. These include ten acute hospitals, one psychiatric hospital, four 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 health education, promotion and prevention programmes by 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 notifiable communicable diseases are collected by MOH from physicians and laboratories. In addition, statistics on various diseases are obtained from healthcare institutions, including polyclinics and hospitals. The National Immunisation Registry collects and maintains vaccination records of children and adults who reside in Singapore, to promote cost-effective disease prevention.

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.

Healthcare 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 2018

Doctors	13,766
Dentists	2,363
Pharmacists	3,216
Registered Nurses	33,614
Enrolled Nurses	8,394
Registered Midwives	117
Optometrists and Opticians	2,633
Occupational Therapists	1,201
Physiotherapists	1,967
Speech Therapists	642
Traditional Chinese Medicine (TCM) Physicians	3,004
Acupuncturists	252

23.1 HEALTH FACILITIES

Number

	2012	2013	2014	2015	2016	2017	2018
Hospitals							
Acute Hospitals [1]	17	17	18	19	19	18	19
Public	8	8	8	9	9	9	10
Not-for-Profit	1	1	1	1	1	1	1
Private	8	8	9	9	9	8	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	7	8	8	8
Public [2]	1	1	1	3	3	3	4
Not-for-Profit	4	4	4	4	4	4	4
Private [3]	1	1	1	0	1	1	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 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.
With effect from 2018, data include Sengkang General Hospital.

2 With effect from 2015, data include Jurong Community Hospital and Yishun Community Hospital.
With effect from 2018, data include Sengkang Community Hospital.

3 West Point Hospital closed in December 2015 and re-opened in September 2016. The hospital ceased operation with effect from September 2018.

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

23.1 HEALTH FACILITIES *(continued)*

Number

	2012	2013	2014	2015	2016	2017	2018
Residential Long-Term Care Facilities							
Nursing Homes	64	66	65	71	69	73	72
Public	1	5	6	11	13	20	21
Not-for-Profit	31	28	27	26	26	23	23
Private	32	33	32	34	30	30	28
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
Primary Care Facilities							
Public - Polyclinics	18	18	18	18	18	20	20
Private - General Practitioner Clinics	1,743	1,805	1,868	1,933	2,025	2,116	2,222
Dental Clinics							
Public (Total)	240	236	248	248	253	251	245
Polyclinic Dental Clinics	9	9	9	9	9	10	10
Hospital/Institution Dental Clinics [4]	6	6	6	7	8	8	7
School Dental Clinics	225	221	233	232	236	233	228
Private	660	694	722	792	835	863	876
Pharmacies	245	247	253	232	235	243	258
Public	50	51	63	62	62	62	68
Private	195	196	190	170	173	181	190

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.

4 Includes National Dental Centre.
With effect from January 2015, data include dental clinic in Jurong Medical Centre.
With effect from June 2015, data include dental clinic at Ng Teng Fong General Hospital.

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

23.2 BEDS IN INPATIENT FACILITIES

Number

	2012	2013	2014	2015	2016	2017	2018
Hospitals							
Acute Hospitals [1]	8,725	8,939	9,262	9,844	10,318	10,340	10,826
Public	7,170	7,377	7,652	8,128	8,561	8,623	9,071
Not-for-Profit	283	283	283	316	316	271	273
Private	1,272	1,279	1,327	1,400	1,441	1,446	1,482
Psychiatric Hospitals	2,010	2,010	1,950	1,950	1,950	1,950	1,950
Public	2,010	2,010	1,950	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	842	852	1,065	1,464	1,663	1,663	1,778
Public [2]	100	110	142	503	690	690	799
Not-for-Profit	722	722	905	961	961	969	979
Private [3]	20	20	18	0	12	4	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.
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.
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 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.
With effect from 2018, data include Sengkang General Hospital.

2 With effect from 2015, data include Jurong Community Hospital and Yishun Community Hospital.
With effect from 2018, data include Sengkang Community Hospital.

3 West Point Hospital closed in December 2015 and re-opened in September 2016. The hospital ceased operation with effect from September 2018.

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23.2 BEDS IN INPATIENT FACILITIES *(continued)*

Number

	2012	2013	2014	2015	2016	2017	2018
Residential Long-Term Care Facilities (by services offered) [4]							
Nursing Homes [5]	9,721	10,838	10,968	12,185	13,022	14,918	15,205
Public	202	1,230	1,372	2,488	3,110	5,281	5,581
Not-for-Profit	6,119	5,924	6,021	5,802	6,058	5,872	5,953
Private	3,400	3,684	3,575	3,895	3,854	3,765	3,671
Inpatient Hospices	149	149	141	141	173	179	179
Public	48	48	40	40	24	24	24
Not-for-Profit	101	101	101	101	149	155	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.
Hospitals are licensed for actual bed complement (i.e. beds that are regularly maintained and staffed).

4 Beds are classified by services offered regardless of facility.
5 Includes beds for chronic sick services.

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23.3 HOSPITAL ADMISSIONS, PUBLIC SECTOR OUTPATIENT ATTENDANCES AND DAY SURGERIES

Number

	2012	2013	2014	2015	2016	2017	2018
Hospital Admissions [1]							
Acute Hospitals [2]	459,902	474,193	489,574	499,889	546,256	568,117	584,819
Public	354,076	364,911	372,661	379,973	416,663	436,882	455,272
Non-Public [3]	105,826	109,282	116,913	119,916	129,593	131,235	129,547
Psychiatric Hospitals	8,382	8,110	9,050	8,986	9,028	9,316	9,215
Public	8,382	8,110	9,050	8,986	9,028	9,316	9,215
Non-Public [3]	0	0	0	0	0	0	0
Community Hospitals [4]	7,751	8,702	9,067	10,670	13,881	16,355	17,908
Public	688	1,053	1,467	2,187	5,432	7,361	8,277
Non-Public [3]	7,063	7,649	7,600	8,483	8,449	8,994	9,631
Public Sector Outpatient Attendances							
Specialist Outpatient Clinics [5]	4,353,385	4,436,621	4,535,104	4,704,117	4,959,471	4,979,307	5,111,720
Accident & Emergency Departments	985,289	1,006,800	968,371	965,426	1,008,718	993,458	1,005,403
Polyclinics [6]	4,614,038	4,623,623	4,648,374	4,874,697	5,263,999	5,925,787	6,323,814
Dental Clinics [7]	893,058	943,971	966,240	1,007,992	1,058,533	1,061,516	1,078,037
Day Surgeries	246,313	262,381	272,915	298,029	326,214	339,933	351,536

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 Jaunary 2015, data include Jurong Medical Centre. With effect from July 2017, data include Admiralty Medical Centre.
6 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.
From January 2015, data include Jurong Medical Centre. From June 2015, data include dental clinic at Ng Teng Fong Hospital.

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23.4 HOSPITAL ADMISSION [1] RATE BY SEX AND AGE

Per 1,000 resident population

	2012	2013	2014	2015	2016	2017	2018
Acute Hospitals [2]							
Male	100.7	104.5	108.2	110.5	123.7	127.4	129.8
Age Group (Years)							
0 - 14	118.5	120.2	126.6	128.5	142.1	142.7	145.3
15 - 64	66.7	70.0	71.0	71.5	81.5	83.8	84.1
65 & Above	347.6	343.7	347.7	347.6	366.7	369.1	368.0
Female	105.5	107.7	111.0	111.9	123.4	127.4	129.5
Age Group (Years)							
0 - 14	101.2	102.0	109.4	112.0	121.5	124.3	127.0
15 - 64	77.2	78.3	80.0	80.1	88.6	90.6	92.1
65 & Above	304.0	302.6	299.9	292.9	314.1	319.8	313.7
Psychiatric Hospitals							
Male	2.3	2.2	2.4	2.6	2.7	2.7	2.7
Age Group (Years)							
0 - 14	0.1	0.2	0.2	0.1	0.2	0.2	0.1
15 - 64	2.8	2.7	3.0	3.2	3.3	3.3	3.3
65 & Above	1.8	1.8	2.0	2.3	2.1	2.2	2.3
Female	1.4	1.4	1.4	1.6	1.6	1.6	1.5
Age Group (Years)							
0 - 14	0.1	0.1	0.1	0.2	0.2	0.2	0.2
15 - 64	1.7	1.6	1.7	1.9	1.9	1.9	1.8
65 & Above	1.4	1.7	1.5	1.6	1.5	1.6	1.4
Community Hospitals [3]							
Male	1.6	1.8	1.9	2.2	3.1	3.6	4.0
Age Group (Years)							
0 - 14	-	-	-	-	0.1	0.1	0.1
15 - 64	0.6	0.6	0.6	0.7	1.1	1.1	1.3
65 & Above	13.0	13.9	14.4	15.6	20.3	23.1	23.7
Female	2.1	2.3	2.4	2.7	3.7	4.3	4.5
Age Group (Years)							
0 - 14	-	-	-	-	-	-	-
15 - 64	0.5	0.5	0.5	0.6	0.8	0.9	1.0
65 & Above	16.0	16.8	16.7	18.0	23.3	25.9	26.3

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.

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23.5 REGISTERED HEALTH PERSONNEL

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Doctors	10,225	10,953	11,733	12,459	12,967	13,386	13,766
Public	6,131	6,661	7,330	7,909	8,358	8,573	8,819
Non-Public [1]	3,515	3,678	3,790	3,914	3,979	4,107	4,225
Not in active practice	579	614	613	636	630	706	722
Specialists	3,867	4,124	4,485	4,788	5,047	5,338	5,615
Public	2,342	2,511	2,829	3,052	3,299	3,523	3,741
Non-Public [1]	1,293	1,351	1,411	1,470	1,485	1,528	1,565
Not in active practice	232	262	245	266	263	287	309
Non-Specialists	6,358	6,829	7,248	7,671	7,920	8,048	8,151
Public	3,789	4,150	4,501	4,857	5,059	5,050	5,078
Non-Public [1]	2,222	2,327	2,379	2,444	2,494	2,579	2,660
Not in active practice	347	352	368	370	367	419	413
Dentists	1,699	1,821	1,905	2,060	2,198	2,293	2,363
Public	357	396	444	449	486	477	525
Non-Public [1]	1,215	1,411	1,435	1,541	1,644	1,748	1,768
Not in active practice	127	14	26	70	68	68	70
Dental Specialists	303	309	313	324	333	350	305
Public	86	88	96	102	106	112	113
Non-Public [1]	203	219	216	215	219	232	189
Not in active practice	14	2	1	7	8	6	3
General Dental Practitioners	1,396	1,512	1,592	1,736	1,865	1,943	2,058
Public	271	308	348	347	380	365	412
Non-Public [1]	1,012	1,192	1,219	1,326	1,425	1,516	1,579
Not in active practice	113	12	25	63	60	62	67
Oral Health Therapists	337	364	377	400	401	416	389
Public	228	216	220	228	229	225	217
Non-Public [1]	88	129	128	144	128	144	122
Not in active practice	21	19	29	28	44	47	50
Pharmacists	2,172	2,376	2,563	2,757	2,875	3,047	3,216
Public	934	1,082	1,179	1,307	1,367	1,472	1,535
Non-Public [1]	1,048	1,104	1,174	1,221	1,248	1,344	1,367
Not in active practice	190	190	210	229	260	231	314

(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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15173

23.5 REGISTERED HEALTH PERSONNEL *(continued)*

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Registered Nurses	25,971	27,556	28,864	29,894	31,615	32,672	33,614
Public	15,916	16,738	17,667	18,566	19,618	20,313	20,734
Non-Public [1]	6,321	6,716	6,863	7,356	7,616	8,002	8,441
Not in active practice	3,734	4,102	4,334	3,972	4,381	4,357	4,439
Enrolled Nurses	8,274	8,273	8,528	8,931	8,781	8,631	8,394
Public	4,995	4,890	5,006	5,305	5,149	5,020	4,854
Non-Public [1]	2,027	2,049	2,078	2,377	2,322	2,301	2,241
Not in active practice	1,252	1,334	1,444	1,249	1,310	1,310	1,299
Registered Midwives	262	246	226	180	165	137	117
Public	89	79	71	71	62	55	48
Non-Public [1]	65	61	61	51	47	41	29
Not in active practice	108	106	94	58	56	41	40
Advanced Practice Nurses [2]	88	117	145	172	197	218	238
Public	82	110	137	166	189	203	225
Non-Public [1]	5	5	8	5	8	10	12
Not in active practice	1	2	0	1	0	5	1
Optometrists and Opticians	2,478	2,461	2,610	2,624	2,650	2,605	2,633
Public	155	159	159	156	166	175	187
Non-Public [1]	2,124	2,210	2,337	2,345	2,265	2,316	2,332
Not in active practice	199	92	114	123	219	114	114
Occupational Therapists [3]	na	na	905	967	1,067	1,125	1,201
Public	na	na	501	498	521	512	539
Non-Public [1]	na	na	403	429	477	508	529
Not in active practice	na	na	1	40	69	105	133
Physiotherapists [3]	na	na	1,394	1,549	1,693	1,814	1,967
Public	na	na	861	877	899	882	960
Non-Public [1]	na	na	531	606	682	765	804
Not in active practice	na	na	2	66	112	167	203

(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 Registration of Allied Health professionals (Occupational Therapists, Physiotherapists and Speech Therapists) started in 2013.

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23.5 REGISTERED HEALTH PERSONNEL *(continued)*

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Speech therapists [3]	na	na	400	474	524	595	642
Public	na	na	193	212	215	232	246
Non-Public [1]	na	na	207	244	269	307	319
Not in active practice	na	na	0	18	40	56	77
Traditional Chinese Medicine (TCM) Physicians	2,538	2,629	2,740	2,808	2,868	2,952	3,004
In Active practice	2,133	2,155	2,199	2,217	2,241	2,243	2,234
Not in Active Practice	405	474	541	591	627	709	770
Acupuncturists [4]	235	244	240	249	247	254	252
In Active practice	174	147	153	152	146	139	134
Not in Active Practice	61	97	87	97	101	115	118

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.
3 Registration of Allied Health professionals (Occupational Therapists, Physiotherapists and Speech Therapists) started in 2013.
4 Refers to those registered only as Acupuncturists.

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23.6 VISITS TO PUBLIC SECTOR DENTAL CLINICS

Number

	2012	2013	2014	2015	2016	2017	2018
Dental Clinics	893,058	943,971	966,240	1,007,992	1,058,533	1,061,516	1,078,037
Schools	438,133	455,475	449,372	456,931	463,751	451,079	436,548
Hospitals/Institutions [1]	319,812	339,319	357,878	383,101	415,456	425,466	429,615
Polyclinics	135,113	149,177	158,990	167,960	179,326	184,971	211,874

Source : Ministry of Health

1 Includes National Dental Centre.
With effect from January 2015, data include dental clinic at Jurong Medical Centre.
With effect from June 2015, data include dental clinic at Ng Teng Fong General Hospital.

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23.7 NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES

Number

	2012	2013	2014	2015	2016	2017	2018
Dengue/DHF	4,632	22,170	18,326	11,294	13,085	2,767	3,285
Malaria	143	111	62	47	31	39	35
Enteric fever [1]	141	107	77	76	70	81	59
Viral Hepatitis [2]	272	202	194	207	193	217	194
Cholera	2	2	2	3	2	3	3
Poliomyelitis	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	1	0
Measles	38	46	142	42	136	70	34
Legionellosis	31	24	37	17	12	19	22
Hand, Foot & Mouth Disease	37,125	31,741	22,171	28,216	42,154	33,663	40,217
Nipah Virus Infection	0	0	0	0	0	0	0
SARS	0	0	0	0	0	0	0
Tuberculosis [3]	2,203	2,028	2,018	2,000	2,310	2,191	2,182
Leprosy	15	12	6	3	7	6	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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15943

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

No of Children

	2012	2013	2014	2015	2016	2017	2018
Vaccination against							
Tuberculosis (BCG)							
National	29,480	30,488	32,624	30,623	32,196	33,355	33,071
Public	12,255	12,527	12,952	12,501	13,418	14,977	15,128
Non-Public [2]	17,225	17,961	19,672	18,122	18,778	18,378	17,943
Diphtheria							
National	28,485	29,471	31,618	30,388	31,301	32,295	32,951
Public	15,268	15,890	17,299	19,901	22,204	24,529	25,614
Non-Public [2]	13,217	13,581	14,319	10,487	9,097	7,766	7,337
Poliomyelitis							
National	28,476	29,459	31,596	29,720	31,284	32,289	32,402
Public	15,262	15,882	17,295	19,624	22,195	24,527	25,675
Non-Public [2]	13,214	13,577	14,301	10,096	9,089	7,762	6,727
Hepatitis B							
National	28,464	29,418	31,585	29,677	31,209	32,305	32,303
Public	15,238	15,815	17,220	19,471	21,986	24,301	25,400
Non-Public [2]	13,226	13,603	14,365	10,206	9,223	8,004	6,903
Measles							
National	28,072	28,975	31,259	29,331	30,750	32,065	31,882
Public	15,165	15,935	17,567	19,502	21,959	24,180	25,294
Non-Public [2]	12,907	13,040	13,692	9,829	8,791	7,885	6,588

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15175

23.9 IMMUNISATION [1] COVERAGE FOR CHILDREN AT 2 YEARS OF AGE

Per Cent

	2012	2013	2014	2015	2016	2017	2018
Vaccination against :							
Tuberculosis (BCG)	99	99	99	99	99	99	98
Diphtheria	97	97	96	98	96	96	96
Poliomyelitis	97	97	96	98	96	96	96
Hepatitis B	97	97	96	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.

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23.10 VACCINATION IN SCHOOL CHILDREN

Thousand Doses

	2012	2013	2014	2015	2016	2017	2018
Diphtheria Tetanus [1]	44.2	43.2	41.7	41.7	41.4	43.0	42.7
Poliomyelitis Immunisation [1, 2]	85.8	85.9	47.4	45.0	44.5	44.4	43.8
Measles, Mumps and Rubella [3]	41.7	39.1	35.7	29.2	22.3	10.8	5.7

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15172

23.11 STUDENT MEDICAL ASSESSMENT

Thousand

	2012	2013	2014	2015	2016	2017	2018
Total	422.2	414.9	407.5	400.9	377.0	370.8	367.9
Primary 1 and equivalent age groups	39.6	40.4	40.7	40.3	39.3	37.2	38.2
Primary 5 and equivalent age groups	43.4	42.8	39.8	39.6	39.8	40.5	41.0
Screening of other educational levels [1]	338.1	328.7	323.9	317.8	294.9	290.3	285.8
Others [2]	1.1	3.0	3.1	3.2	3.0	2.8	2.9

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1867

23.12 COMMON HEALTH PROBLEMS OF STUDENTS EXAMINED

	2012	2013	2014	2015	2016	2017	2018
	Per 10,000 Males Examined						
Prevalence of :							
Defective Vision	5,297	5,271	5,178	5,175	4,835	4,833	4,756
Overweight [1]							
Primary 1 and equivalent age groups	1,121	1,199	1,089	1,082	1,166	1,188	1,128
Primary 5 and equivalent age groups	1,557	1,590	1,593	1,524	1,710	1,798	1,794
	Per 10,000 Females Examined						
Prevalence of :							
Defective Vision	5,688	5,663	5,586	5,562	5,143	5,194	5,157
Overweight [1]							
Primary 1 and equivalent age groups	921	979	929	917	962	1,033	966
Primary 5 and equivalent age groups	1,191	1,232	1,217	1,183	1,271	1,343	1,288

Source : Health Promotion Board

1 Body Mass Index percentile is used in the calculation of overweight prevalence (≥ 90th percentile).

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=10374
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 were licensed by the Agri-Food & Veterinary Authority (AVA). NEA and Singapore Food Agency (SFA) ensure that food sold in Singapore is safe for consumption. From 1 April 2019, the holistic management of food industry from "farm to fork" is overseen by the SFA.

Licensed Hawkers

Licensed hawkers refer to hawkers who are issued with the licence by NEA to operate stalls in hawker centres and markets, as well as itinerant street hawkers.

Licensed Hawkers by Type of Premises (End of Period) 2018

13,921 licenses issued in total

13,401 market/ food centre

520 street

Licensed Food Establishments

Licensed food establishments are grouped under five separate categories, namely, food shops, food stalls, food factories, supermarkets and private markets.

Businesses that require a food shop 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), 2018

18,823 food shops

14,698 food stalls

1,801 food factories

530 supermarkets

323 private markets

24.1 LICENSED HAWKERS UNDER NATIONAL ENVIRONMENT AGENCY

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Total Licences Issued	14,165	14,227	14,466	14,055	13,871	13,865	13,921
Type of Premises							
Market/Food Centre	13,410	13,537	13,828	13,440	13,310	13,329	13,401
Street [1]	755	690	638	615	561	536	520
Type of Goods Sold							
Market Produce	5,694	5,706	5,857	5,612	5,485	5,479	5,465
Cooked Food	5,831	5,939	6,049	5,943	5,970	5,999	6,090
Piece & Sundries [2]	2,640	2,582	2,560	2,500	2,416	2,387	2,366

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14624

24.2 LICENSED FOOD ESTABLISHMENTS

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Food Shops [1]	14,642	15,307	15,875	16,490	17,196	18,035	18,823
Food Stalls [2]	13,889	13,776	13,979	14,179	14,350	14,567	14,698
Food Factories [3]	1,476	1,482	1,548	1,618	1,664	1,738	1,801
Supermarkets [4]	398	422	441	469	491	516	530
Private Markets [5]	286	280	323	318	331	313	323

Sources : National Environment Agency (NEA)
Agri-Food & Veterinary Authority of Singapore (AVA)
Singapore Food Agency (SFA)

Notes : From 1 April 2019, SFA took over food-related functions previously carried out by AVA.

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14608

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 formulates and implements policies on social assistance, social services, family, child care and child development, vulnerable adults and elderly, disability, as well as social safeguards against problem gambling. In addition to its developmental role, MSF directly administers services which include the protection of children and young persons. Rehabilitation of youth and adult offenders, 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, the Mental Capacity Act and the Vulnerable Adults Act. To address social needs, MSF works closely with its partners in the social service sector, which include Social Service Agencies (SSAs), Community Development Councils (CDCs), major funders such as the Singapore Totalisator Board (or Tote Board), corporate entities as well as the public. The Ministry also plays a key role in developing and working with the social service sector to grow a steady pipeline of social service professionals, develop career pathways, as well as to raise the sector's capabilities and skills to effectively deal with increasingly complex social issues.

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. It 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 2,000 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 the 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

[1] Includes Citizens' Consultative Committees, Community Club Management Committees, Residents' Committees, Residents' Networks, 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.

of giving back so as to build a “Great Home and a Caring Community” and a “Cohesive and Compassionate Nation”.

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 child care centres and kindergartens. It is jointly overseen by the Ministry of Education (MOE) and MSF.

Child care centres typically provide full-day 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 also offer half-day and flexible programmes to cater to the different needs of parents and children.

Kindergartens typically 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.

MOE Kindergartens, run by MOE, provide kindergarten education for children aged 5 to 6 years old. They typically run two sessions a day, with each session being 4 hours, 5 days a week. Kindergarten Care services are offered to parents who require full-day services.

In 2018, there were 1,486 child care centres and 435 kindergartens in Singapore, located in HDB void decks, community spaces, primary schools 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 ComCare 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 is targeted at low-income families and individuals, those who are temporarily unable to work (e.g. due to illness, or caregiving responsibilities), jobseekers who require financial assistance, and those earning a low income and require financial support. Beneficiaries may receive cash assistance for their basic living expenses, assistance with their household bills (e.g. public rental, utilities, and service and conservancy charges), MediFund assistance for medical bills, employment assistance, and referrals to relevant agencies or community organisations for other forms of support (e.g. Family Service Centres for casework and counselling). Officers from the Social Service Office (SSO) will work with the applicants to develop an action plan to improve the family’s circumstances.

ComCare Long Term Assistance

ComCare Long Term Assistance is targeted at individuals who are permanently unable to

work due to old age, illness or disability, have limited or no means of income, and have little or no family support. Beneficiaries receive cash assistance for their basic living expenses and household bills, MediFund assistance for medical bills, as well as additional assistance for medical consumables and one-off essentials if needed. They also have access to government-funded social services such as Senior Activity Centres and befriending services.

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 beneficiary, and may be in the form of financial assistance or other items.

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. This fee assistance is available to children attending student care centres registered with MSF, including special student care centres for students with special needs. The eligible 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 27,000 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 include 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 overseeing the functions of the Senior Activity Centres, which allows MOH to better meet the social needs of the elderly, in addition to their healthcare needs.

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

39,331
seniors having access to Senior Activity Centres in FY2018

Other References

The Singapore Social Statistics in Brief (SSIB) is an annual publication compiled by the Strategic Planning, Research and Development Division, Ministry of Social and Family Development. The SSIB provides updates on key social indicators and population statistics.

25.1 GRASSROOTS ORGANISATIONS

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
Community Development Councils	5	5	5	5	5	5	5
Citizens' Consultative Committees (CCCs)	87	87	87	89	89	89	89
CCC-Area Sub Committees	38	39	41	41	42	39	39
Community Club Management Committees	106	107	107	108	109	110	110
Residents' Committees/ Residents' Networks [1]/ Neighbourhood Committees	705	723	743	774	824	852	885
Malay Activity Executive Committees	97	99	98	98	97	98	97
Indian Activity Executive Committees	94	95	94	94	96	99	98
Senior Citizens' Executive Committees	309	295	292	286	268	265	256
Youth Executive Committees	100	101	102	102	102	100	101
Women's Executive Committees	104	105	104	105	104	104	104
Community Emergency and Engagement Committees	86	87	87	87	88	89	89
Community Sports Clubs	86	86	86	87	88	89	88
T-Net Club Management Committees	8	8	8	8	8	8	8
Building Fund Committees	44	50	53	53	51	55	54

Source : People's Association (PA)

1 Residents' Networks were formed in 2018.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15706

25.2 VOLUNTEERS

(End of Period)

Number

	2012	2013	2014	2015	2016	2017	2018
	Community Service						
Total (Volunteers)	44,616	46,884	48,486	49,445	49,848	50,558	51,141
Community Development Councils	298	298	291	284	290	293	293
CCCs / CCC-Area Sub Committees	4,796	4,999	5,153	5,280	5,477	5,451	5,592
Community Club Management Committees	3,723	3,789	3,804	3,807	3,858	3,874	3,890
Residents' Committees (RC) [1]/ Residents' Networks [2]/ Neighbourhood Committees	16,601	17,863	18,596	19,399	20,042	20,762	21,398
Malay Activity Executive Committees	1,885	1,988	1,947	1,978	1,930	1,896	1,840
Indian Activity Executive Committees	1,733	1,838	1,882	1,873	1,902	1,983	1,989
Senior Citizens' Executive Committees	5,718	5,600	5,633	5,535	5,165	5,054	4,923
Youth Executive Committees	2,392	2,462	2,689	2,503	2,516	2,409	2,473
Women's Executive Committees	2,344	2,466	2,538	2,550	2,496	2,499	2,466
Community Emergency and Engagement Committees	2,160	2,105	2,131	2,146	2,156	2,146	2,155
Community Sports Clubs	2,073	2,147	2,137	2,214	2,178	2,165	2,121
T-Net Club Management Committees	140	147	161	163	155	157	155
Building Fund Committees	753	887	925	919	884	955	887
Constituency Grassroots Member Scheme	na	295	599	794	799	914	959
	Welfare Service						
Total (Volunteers)	903	861	900	1,046	1,185	1,198	1,258
Welfare Service Boards/Committees	15	17	17	18	18	17	16
Volunteer Probation Officers	284	229	223	253	296	296	297
Volunteers in MSF Youth Homes [3]	256	258	238	238	192	175	157
Enable-A-Family (EAF) Volunteer Scheme	76	76	77	89	129	128	139
Foster Parents [4]	243	243	282	357	420	453	498
Volunteer Transport Minders [5]	29	38	49	52	58	44	48
ProPALS [6]	na	na	14	39	72	85	103

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 Residents' Networks were formed in 2018.
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.
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 and employment (from 2018) 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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15707

25.3 NUMBER, CAPACITY AND ENROLMENT IN CHILD CARE CENTRES

Number

	2012	2013	2014	2015	2016	2017	2018
Number of Child Care Centres	1,002	1,077	1,148	1,243	1,332	1,398	1,486
Child care centres which also provide infant care services [1]	285	324	361	418	471	512	578
Capacity in Child Care Centres	91,387	100,388	109,856	121,698	135,224	146,987	165,919
Total Enrolment in Child Care Centres	79,679	86,124	92,932	99,175	106,155	114,318	123,660
Full-Day Programme	69,075	75,986	82,872	89,855	97,672	106,327	115,626
Anchor Operators [2]	15,879	19,076	23,668	28,219	33,105	38,847	45,021
Social Service Agencies	10,514	10,793	10,058	9,945	7,048	6,973	6,917
Private [3]	42,682	46,117	49,146	51,691	43,059	45,496	44,819
Partner Operators [4]	na	na	na	na	14,460	15,011	18,869
Half-Day Programme	8,504	7,940	7,230	6,912	6,362	6,180	5,954
Flexicare Programme	2,100	2,198	2,830	2,408	2,121	1,811	2,080

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14612

25.4 NUMBER AND ENROLMENT IN KINDERGARTENS

Number

	2012	2013	2014	2015	2016	2017	2018
Number of Kindergartens	504	498	503	492	480	471	435
Total Enrolment in Kindergartens	67,734	68,057	68,999	66,331	65,306	60,967	58,204
Anchor Operators [1]	36,447	35,015	33,302	30,142	27,943	24,935	22,888
Social Service Agencies	20,657	21,398	24,282	23,899	23,622	22,411	21,204
Private	10,586	11,589	11,173	11,290	11,904	11,183	11,159
Government [2]	44	55	242	1,000	1,837	2,438	2,953

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14596

25.5 COMCARE SCHEMES

	Unit	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Overall[1]	Households	34,908	42,246	41,086	41,920	39,548	39,162	39,300
	Individuals	64,933	85,078	89,339	91,093	86,759	83,353	79,470
ComCare Long-Term Assistance (also known as Public Assistance)	Households	3,370	3,420	3,568	3,846	4,248	4,387	4,409
	Individuals	3,608	3,660	3,831	4,134	4,540	4,788	4,675
ComCare Short-to-Medium-Term Assistance[2]	Households	14,087	20,572	24,319	27,461	29,511	28,409	27,986
	Individuals	35,941	51,776	59,150	67,926	70,407	65,910	64,191
Student Care Fee Assistance	Households	3,345	4,889	6,000	6,392	7,506	7,942	8,413
	Individuals	4,269	6,292	7,828	8,339	9,605	10,170	10,331
ComCare Interim Assistance	Individuals	5,361	11,293	18,018	14,316	12,228	9,778	7,090

Source : Ministry of Social and Family Development (MSF)

Notes : Financial Year begins on 1 April of the reporting year and ends on 31 March of the following year.
Data refer to households and individuals that have received assistance under the respective ComCare Schemes within the Financial Year.

1 Overall data are based on unique headcounts. That is, a household/individual who received assistance from one or more ComCare Schemes is only counted once.

2 Comprises schemes that were previously known as Work Support Programme and ComCare Transitions.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14577

25.6 SENIOR ACTIVITY CENTRES

	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
Number of Senior Activity Centres	52	53	59	61	67	74	78
Number of Seniors Having Access to Senior Activity Centres	25,531	27,546	28,995	28,415	30,896	31,741	39,331

Source : Ministry of Health (MOH) (with effect from April 2018)
Ministry of Social and Family Development (prior to April 2018)

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 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

	2012	2013	2014	2015	2016	2017	2018
Total	10,016	10,410	10,547	11,078	11,712	12,777	13,706
Males	4,848	5,130	5,198	5,606	6,089	6,724	7,147
Females	5,168	5,280	5,349	5,472	5,623	6,053	6,559
Government Welfare Homes [1]	1,221	1,147	1,146	1,251	1,263	1,223	1,197
Males	963	885	875	980	995	972	958
Females	258	262	271	271	268	251	239
Sheltered Homes	689	698	685	673	666	633	632
Males	341	354	350	338	341	332	339
Females	348	344	335	335	325	301	293
Voluntary Nursing Homes	4,978	5,295	5,418	5,903	6,253	6,997	7,703
Males	2,155	2,386	2,475	2,819	3,060	3,478	3,804
Females	2,823	2,909	2,943	3,084	3,193	3,519	3,899
Commercial Nursing Homes	3,128	3,270	3,298	3,251	3,530	3,924	4,174
Males	1,389	1,505	1,498	1,469	1,693	1,942	2,046
Females	1,739	1,765	1,800	1,782	1,837	1,982	2,128

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14880

25.8 FAMILY SERVICE CENTRES

	Unit	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
Centres	No.	39	43	43	46	46	47	47
Casework and Counselling	Cases	28,695	31,074	32,844	28,486	25,050	24,993	27,559
Information and Referral	No.	36,091	38,054	40,707	37,036	27,198	27,240	25,271

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14581

26

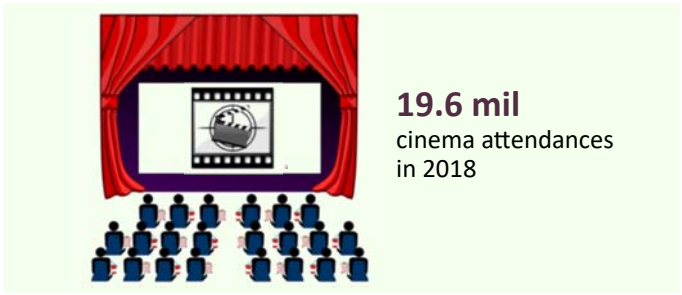
Culture and Recreation

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 (box office and audience numbers) are compiled by the Singapore Film Commission, under the Infocomm Media Development Authority, from returns submitted by cinema operators, distributors, and the Cinematograph Film Exhibitors Association.



19.6 mil
cinema attendances
in 2018

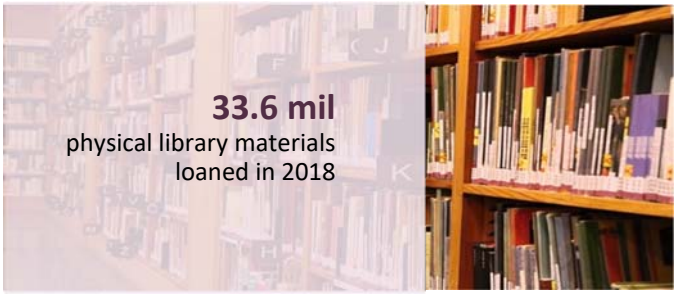
Library

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 2.5 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 8.8 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 33 million loans were made in 2018.

The reference collection offered by the Lee Kong Chian Reference Library at the National Library Building consists of 2.4 million 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 904,000 copies of eBooks, over 70 databases with more than 7,500 titles of electronic newspapers and magazines in over 60 languages, and approximately 2.2 million music tracks.



33.6 mil
physical library materials
loaned in 2018

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 Sport Facilities Master Plan and ActiveSG, the national movement for sport and physical activity, Singaporeans of all ages and abilities are able to conveniently participate in sport within their communities.

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.

6.5 mil
attendances
at swimming pool
in 2018

2.4 mil
attendances
at gymnasium
in 2018

1.2 mil
bookings
of sports facilities
in 2018

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 Committees/Networks Centres, PAssion WaVe outlets 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.

3,186
ticketed performing arts
performances in 2017

1.9 mil
ticketed performing arts
attendances in 2017

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.

1,077
visual arts exhibitions
In 2017

26.1 CINEMAS, SEATING CAPACITY AND ATTENDANCES

	Unit	2012	2013	2014	2015	2016	2017	2018
Cinemas	No. of Screens	200	218	233	223	235	257	276
Seating Capacity	'000	37	38	37	39	38	40	41
Attendances	Million	21.2	22.1	21.6	21.9	21.9	19.4	19.6

Source : Info-Communications Media Development Authority

Notes : Data are based on major commerical theatres. Information is gathered from various sources including websites, the local press, and local distributors and producers.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15958

26.2 NATIONAL LIBRARY BOARD LIBRARY MEMBERSHIP, COLLECTIONS AND LOANS

	Unit	2012	2013	2014	2015	2016	2017	2018
National Library	No.	1	1	1	1	1	1	1
Public Library	No.	24	25	25	26	26	26	26
Membership [1]	'000	2,109.0	2,213.5	2,259.8	2,315.9	2,378.1	2,435.1	2,464.7
Persons Aged 13 years and Over	'000	1,815.6	1,932.9	1,989.0	2,052.1	2,105.7	2,156.4	2,183.9
Children Under 13 Years	'000	293.4	280.5	270.8	263.8	272.4	278.6	280.8
Total Physical Collections [2]	'000	8,303.0	8,090.7	8,726.2	7,899.8	7,549.9	7,540.3	8,820.2
Total eBooks Collections [3]	'000	3,155.6	3,225.6	3,522.0	4,145.1	4,579.7	696.5	904.2
Loan of Physical Library Materials [4]	'000	38,082.6	35,537.4	34,034.7	31,824.4	32,061.7	29,325.3	33,587.6
Persons Aged 13 Years and Over	'000	26,802.9	25,606.8	22,411.0	20,868.8	20,965.4	20,068.0	22,406.9
Children Under 13 Years	'000	11,279.7	9,930.5	11,623.8	10,955.6	11,096.3	9,257.3	11,180.7
Usage of Digital Library Materials [5]	'000	7,483.7	10,611.7	10,758.4	11,504.3	11,680.2	10,616.1	7,936.3

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 eBook copies made available on NLB's e-resource platforms such as Apabi, Overdrive and Tumblebooks, World eBook Library Database (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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14569

26.3 VISITORS TO PLACES OF INTEREST

Thousand

	2012	2013	2014	2015	2016	2017	2018
Asian Civilisations Museum [1, 2]	524.8	452.4	423.2	349.6	534.3	488.6	524.9
Chinese/Japanese Gardens [3]	911.0	693.1	951.0	939.5	1,314.4	925.0	659.2
Gardens by the Bay [4]	2,920.1	4,550.3	6,375.1	8,514.5	8,763.4	9,680.2	12,383.3
Indian Heritage Centre [1, 5]	na	na	na	195.0	146.1	176.6	221.1
Jurong BirdPark	901.4	777.6	717.4	810.1	772.1	827.2	789.2
Malay Heritage Centre [1, 6]	185.8	152.3	166.5	497.0	508.2	697.8	728.9
National Gallery Singapore [7]	na	na	na	275.6	1,585.3	1,849.7	1,732.7
National Museum of Singapore [1]	885.8	1,199.0	902.1	774.6	777.4	901.5	959.6
Night Safari	1,163.4	1,168.0	1,179.8	1,159.0	1,150.5	1,261.8	1,329.4
Sentosa [8, 9]	20,500.0	18,600.0	19,400.0	19,500.0	19,300.0	19,100.0	19,700.0
Singapore Art Museum [1, 10]	656.1	729.0	743.7	903.4	732.9	414.7	280.8
Singapore Discovery Centre [8]	194.8	212.3	209.8	270.0	210.0	196.3	206.0
Singapore Philatelic Museum [1]	123.0	117.5	142.1	152.7	160.0	147.6	144.3
Science Centre Singapore	969.2	899.5	952.3	1,046.0	955.8	874.7	863.0
Singapore Zoological Gardens	1,756.4	1,804.1	1,678.2	1,833.4	1,797.0	1,891.8	2,109.1
Sun Yat Sen Nanyang Memorial Hall [1, 11]	99.4	101.5	92.3	97.3	133.2	122.0	213.8
The Peranakan Museum [1]	269.9	373.9	417.1	475.7	508.3	473.2	213.2
River Safari [12]	na	703.2	1,144.6	843.1	842.9	952.5	958.3

Sources : National Heritage Board
National Gallery Singapore
Science Centre Singapore
Singapore Zoological Gardens
National Parks Board
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, which makes use of tracking devices fixed at all the 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 Prior to April 2016, data were obtained from JTC Corporation. From April 2016, data are obtained from National Parks Board.

4 Gardens by the Bay was officially opened on 29 June 2012.

5 The Indian Heritage Centre opened on 7 May 2015.

6 Visitorship to the Malay Heritage Centre prior to 2015 is not directly comparable to future years due to updates in the data collection method.
Year 2017 and 2018 data have been revised based on the results of a validation study conducted by the National Heritage Board.

7 The National Gallery Singapore opened officially on 24 November 2015.

8 Refers to the financial year which begins in April of the current year and ends in March of the following year.

9 Excludes Southern Island arrivals and includes arrivals to Resorts World Sentosa.

10 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. With effect from September 2018, only SAM at 8Q is open.

11 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 Sen Nanyang Memorial Hall from 8 October to 31 December 2011.

12 River Safari was officially opened on 3 April 2013.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15009

26.4 UTILISATION OF SPORTS FACILITIES

Number

	2012	2013	2014	2015	2016	2017	2018
Attendances							
Swimming pool	7,034,166	6,724,546	6,870,183	6,898,517	7,081,651	7,062,603	6,505,288
Gymnasium	2,298,340	2,523,844	2,562,218	2,554,524	2,451,235	2,477,814	2,430,080
Bookings							
Total	933,687	933,589	1,041,967	1,162,779	1,161,428	1,256,010	1,212,216
Badminton [1]	538,381	526,660	579,431	638,485	669,217	727,432	774,341
Tennis	141,621	133,227	161,888	168,182	155,931	156,807	168,573
Table-tennis [1]	86,706	84,104	96,274	105,218	116,237	120,260	130,232
Basketball [1]	27,646	39,362	41,883	34,661	33,978	48,016	16,555
Squash	34,479	37,610	41,742	54,973	54,704	54,591	52,896
Football	29,487	27,944	29,074	28,470	27,133	27,882	23,651
Volleyball [1]	14,182	13,988	21,188	29,418	29,540	22,965	10,086
Netball	7,549	7,651	7,339	9,427	6,380	7,379	7,235
Hockey	4,800	5,345	5,268	6,601	5,933	6,499	6,057
Rugby	608	533	399	521	638	636	574
Athletics	324	277	642	2,358	2,939	2,398	2,026
Others [2]	47,904	56,888	56,839	84,465	58,798	81,145	19,990

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 courts at sports hall (indoor).
2 Refers to other bookings of sports hall (indoor) e.g. floorball, handball etc.

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

26.5 INTEREST GROUPS IN COMMUNITY CLUBS AND RESIDENTS' COMMITTEES/ RESIDENTS' NETWORKS [1]/NEIGHBOURHOOD COMMITTEES [2]

(End of Period)

Number

Type of Interest Groups	2012	2013	2014	2015	2016	2017	2018
	Number of Interest Groups						
Music, Drama & Dance	1,831	1,932	2,368	2,447	2,589	2,597	2,756
Dance	672	714	908	952	1,015	1,019	1,062
Instrumental	259	324	416	430	449	457	479
Music Theory	1	1	1	1	1	7	5
Opera	60	57	76	78	79	78	84
Speech and Drama	31	39	57	60	68	69	78
Vocal	808	797	910	926	977	967	1,048
Sports & Fitness	3,372	3,424	3,899	4,021	4,330	4,594	4,980
Adventure Sports	2	1	2	3	3	5	6
Ball & Bat Games	867	863	1,021	1,053	1,143	1,149	1,237
Dance Fitness	61	71	92	103	125	150	198
Intellectual & Board Games	339	350	419	445	498	582	595
Martial Arts	433	441	513	528	554	555	587
Mind Body Exercise	477	474	534	546	565	631	682
Recreational Sports	183	194	217	227	247	284	324
Strength & Conditioning	942	960	1,018	1,029	1,074	1,127	1,235
Water Sports	68	70	83	87	121	111	116
	Number of Members						
Music, Drama & Dance	22,454	24,348	36,181	37,851	41,032	44,968	48,783
Dance	9,575	10,500	15,979	17,222	19,089	22,160	23,356
Instrumental	2,931	3,387	5,398	5,590	6,147	6,521	7,366
Music Theory	9	11	12	12	12	98	58
Opera	725	638	1,172	1,161	1,185	1,200	1,296
Speech and Drama	325	374	743	810	902	932	1,072
Vocal	8,889	9,438	12,877	13,056	13,697	14,057	15,635
Sports & Fitness	108,399	111,136	129,133	125,291	131,916	138,612	150,237
Adventure Sports	18	11	20	39	40	71	107
Ball & Bat Games	9,247	9,184	13,559	14,601	16,032	16,783	18,774
Dance Fitness	942	1,273	2,558	3,058	3,479	2,914	4,182
Intellectual & Board Games	4,428	4,467	6,173	6,812	7,778	9,546	10,143
Martial Arts	6,597	7,041	9,168	9,347	9,896	10,288	10,874
Mind Body Exercise	8,052	8,341	10,552	10,498	10,875	13,543	15,027
Recreational Sports	2,054	2,143	2,898	3,066	3,459	4,099	4,837
Strength & Conditioning	76,257	77,994	83,249	76,710	78,776	79,843	84,603
Water Sports	804	682	956	1,160	1,581	1,525	1,690

Source : People's Association (PA)

1 Residents' Networks were formed in 2018.

2 From 2018, data for Neighbourhood Committees are included.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=5275

26.6 SPORTS AND PERFORMING ARTS COURSES CONDUCTED BY COMMUNITY CLUBS, RESIDENTS' COMMITTEES/RESIDENTS' NETWORKS [1]/ NEIGHBOURHOOD COMMITTEES [2] AND PA WATER-VENTURE

Number

Type of Course	2012	2013	2014	2015	2016	2017	2018
	Classes						
Music, Drama & Dance	19,627	19,025	19,182	19,349	18,576	17,946	17,364
Dance	9,056	9,143	9,640	9,827	9,992	9,982	9,844
Instrumental	6,970	6,595	6,371	6,172	5,380	5,130	4,992
Music Theory	21	14	18	155	122	116	114
Opera	220	213	217	224	233	208	202
Speech and Drama	254	215	222	247	234	178	148
Vocal	3,106	2,845	2,714	2,724	2,615	2,332	2,064
Sports & Fitness	15,742	14,590	15,404	16,007	15,527	14,985	13,521
Adventure Sports	11	1	1	0	1	0	1
Ball & Bat Games	436	341	368	293	280	276	247
Dance Fitness	1,541	2,244	3,049	3,286	3,291	3,151	2,802
Intellectual & Board Games	121	128	96	72	105	91	55
Martial Arts	4,315	4,175	4,200	4,679	4,612	4,393	4,101
Mind Body Exercise	4,231	3,831	4,089	4,079	4,058	4,236	4,152
Recreational Sports	453	427	429	408	351	274	193
Strength & Conditioning	939	841	874	911	752	798	804
Water Sports	3,695	2,602	2,298	2,279	2,077	1,766	1,166
	Participants						
Music, Drama & Dance	177,296	168,033	164,421	169,159	159,746	154,860	152,717
Dance	104,389	99,736	100,526	103,416	98,234	99,317	97,690
Instrumental	21,501	19,465	18,404	19,064	15,246	14,177	13,979
Music Theory	108	61	74	1,010	696	710	797
Opera	2,209	2,363	2,291	2,297	2,544	2,117	1,887
Speech and Drama	3,843	3,029	3,031	3,120	2,809	2,418	1,766
Vocal	45,246	43,379	40,095	40,252	40,217	36,121	36,598
Sports & Fitness	244,148	229,106	239,958	248,422	235,545	231,283	212,188
Adventure Sports	79	2	7	0	4	0	3
Ball & Bat Games	4,414	3,551	3,468	3,117	3,062	3,361	3,142
Dance Fitness	33,860	49,386	62,857	64,109	57,898	52,584	44,957
Intellectual & Board Games	1,348	1,274	657	578	532	537	386
Martial Arts	77,126	74,890	72,912	77,574	79,885	76,526	72,766
Mind Body Exercise	69,696	60,546	63,304	65,710	62,312	65,678	63,878
Recreational Sports	4,749	3,937	4,077	3,842	3,046	2,388	1,817
Strength & Conditioning	16,419	14,392	13,773	13,498	11,629	13,528	13,428
Water Sports	36,457	21,128	18,903	19,994	17,177	16,681	11,811

Source : People's Association (PA)

1 Residents' Networks were formed in 2018.

2 From 2018, data for Neighbourhood Committees are included.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15211

26.7 THE ARTS

Number

Art Form	2011	2012	2013	2014	2015	2016	2017
Total Performing Arts Activities [1]	7,727	8,360	7,437	8,152	8,300	9,010	9,582
Ticketed Performances [2]	3,416	3,497	3,006	3,256	3,323	3,430	3,186
Non-ticketed Performances [3]	4,311	4,863	4,431	4,896	4,977	5,580	6,396
Visual Arts Exhibitions [4]							
Number	858	675	559	973	1,041	1,114	1,077
Exhibition Days [5]	22,867	17,883	16,115	31,678	26,271	28,740	29,790
Ticketed Attendance [6] at Performing Arts Events	2,311,313	2,062,124	1,897,162	1,876,922	1,946,322	1,812,697	1,911,266
Non-Ticketed Attendance at Arts [7] & Heritage Events [8]	10,532,800	7,619,600	7,219,754	8,002,359	9,017,614	9,536,519	11,308,550

Sources: National Arts Council (NAC)
National Heritage Board (NHB)
People's Association (PA)

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 performances for which no tickets are issued.
4 Refers to public exhibitions of abstract or representational art objects such as painting, sculpture, pottery, ceramics, creative photography, installation art and multi-media art. Applied arts such as film, graphic design, jewellery design and handicrafts are excluded.
Data are based on published and online sources such as newspapers, websites and publications, as well as data from Singapore Art Gallery Guide, Art Gallery Association, community art galleries, Gillman Barracks and National Heritage Board Musuems.
5 Refers to the total number of days over which all exhibitions are held.
6 Refers to attendance at performing arts events that require a ticket for entry. It includes tickets sold and complimentary tickets issued.
7 Refers to attendance at performing arts events organised and supported by the NAC, Esplanade and PA.
8 Refers to attendance at outreach events organised by the NHB. These events include community outreach activities organised by NHB institutions and museums, including the Singapore Night Festival and the Singapore Heritage Festival. Data exclude incidental viewership and events where attendance figures are unable to be determined. Non-ticketed heritage events may also include some performing arts elements.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=1881

26.8 TICKET SALES FOR PERFORMING ARTS EVENTS

Art Form		2011	2012	2013	2014	2015	2016	2017
Total Tickets Sold [1]	No.	1,856,400	1,711,500	1,502,900	1,482,489	1,562,404	1,398,857	1,489,685
Music	No.	589,400	645,400	593,300	611,264	728,305	639,713	747,493
Dance	No.	104,700	82,800	100,600	75,661	75,973	70,874	69,266
Theatre	No.	1,148,400	965,200	800,400	783,594	745,171	677,909	662,597
Others	No.	13,900	18,100	8,600	11,970	12,955	10,361	10,329
Total Gross Takings	$m	166.5	144.7	122.6	100.0	121.8	82.4	87.7

Sources : National Arts Council

Notes : Performing Arts refer to folk, traditional, classical and contemporary forms of dance, music (pop/rock concerts included) and theatre.

1 Includes tickets sold through ticketing service providers like SISTIC and APACTix.
Excludes tickets sold through Ticketcharge/Tickets.com and other site-specific or independent ticketing service providers.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15915

26.9 REGISTERED ARTS AND CULTURAL SOCIETIES AND COMPANIES

(End of Period)

Number

Art Form	2013	2014	2015	2016	2017
			Societies [1]		
Total	478	487	502	492	504
Music	147	152	160	159	163
Dance	45	45	48	46	47
Theatre	92	94	95	89	90
Visual Arts	80	81	81	79	80
Craft	5	5	5	6	6
Literary Arts	58	58	59	59	61
Others [2]	51	52	54	54	57
			Companies [3]		
Total	5,486	5,412	5,749	5,423	4,945
Music	1,555	1,671	1,787	1,879	1,796
Dance	369	438	476	464	453
Theatre	481	493	513	525	496
Visual Arts	1,171	1,161	1,243	1,171	1,071
Craft	666	565	600	458	332
Literary Arts	1,187	1,015	1,038	843	715
Others [4]	57	69	92	83	82

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 and cultural 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 equipment, (iii) conduct classes/courses in the arts (e.g. dance, music lessons).
4 Includes cultural or heritage companies that are multi-disciplinary and do not specialise in an art form.

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

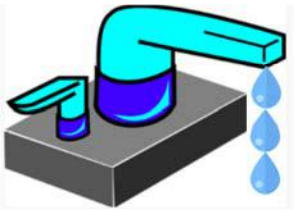
27 Miscellaneous

27 Miscellaneous

Water Supply

PUB, Singapore's national water agency, is responsible for managing Singapore's water supply, water catchment and used water in an integrated way. To ensure sustainability of our water supply, efforts are taken to diversify the supply sources and manage demand.

Today, Singapore has a robust and diversified supply of water through the four National Taps, namely, water from local catchments, imported water, NEWater and desalinated water. Singapore's drinking water quality is well within the requirements stipulated under the Environmental Public Health (Water Suitable for Drinking) Regulations and the World Health Organisation's Guidelines for Drinking Water Quality. As part of water demand management, PUB works with the community and various sectors to adopt water conservation measures, such as promoting water saving habits and improving the efficiency of water usage.



495.5 mil m^3 of potable water was sold in 2018

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 commissioned an incineration plant which started generating electricity from October 2018.

As at December 2018, the total registered power generation capacity (excluding solar photovoltaics) was 13,492.7 MW (megawatt). As at September 2018, there was 183.4 MWp (megawatt-peak) of grid-connected solar photovoltaic capacity. The total amount of electricity produced in 2018 was 52,904.8 GWh (gigawatt-hour), while the peak demand was 7,370 MW.

52,904.8
gigawatt-hours of electricity was generated in 2018

EMA progressively opened the electricity retail market to competition since

2001. The liberalisation of the electricity market facilitates the supply of competitively-priced electricity and allows greater consumer choice.

The Open Electricity Market had a soft launch in April 2018, which allowed households and businesses in Jurong to buy electricity from an electricity retailer of their choice, with a price plan that best meets their needs. This initiative was later rolled out across Singapore by zones from 1 November 2018.

As at end December 2018, there were 31 licensed electricity retailers.

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 64% of households in Singapore and is used mainly for cooking and water heating. Total amount of town gas sold in 2018 was 1,764 million kilowatt-hours (kWh).

1,764 mil units
of town gas was sold in
2018.

Natural gas is used mainly for power generation. In 2018, natural gas contributed to about 95% of the total electricity generated.

To diversify our energy sources and meet the rising demand for energy, Singapore imports Liquefied Natural Gas (LNG) from across the world. The LNG terminal on Jurong Island currently has a peak throughput capacity of 11 million tonnes per annum.

Waste Management

Singapore aspires to become a 'Zero Waste Nation' by reducing the consumption of materials, reusing and recycling them to give them a second lease of life.

With limited land resources available for waste disposal, the following strategies are adopted for solid waste management:

a) Minimise or prevent waste at source, through reducing waste generation and promoting reuse;

b) Segregate recyclables from general waste;

c) Dispose of incinerable waste at waste-to-energy plants for volume reduction and energy recovery; and

d) Minimise landfill demand.

4.63 mil tonnes
of waste was recycled
in 2018.

Waste disposed of 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.

3.07 mil tonnes
of waste was disposed
in 2018.

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, and ferrous and non-ferrous metals are recovered from incineration ash. The remaining ash residues and non-incinerable waste and 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.

3,885
fire occurrences
in 2018.

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 instead of the time the offences were actually committed.

Crime rate was **587**
per 100,000 population in 2018.

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, 2018

3,097
bankruptcy
applications

1,656
bankruptcy
orders made

4,027
bankruptcy
discharges

27.1 WATER SALES AND WATER PRICES

	Unit	2012	2013	2014	2015	2016	2017	2018
Sales of Potable Water	Million m^3 per year	490.9	498.6	506.3	514.7	517.0	499.4	495.5
Domestic	Million m^3 per year	284.4	286.7	291.2	297.1	301.4	294.8	294.2
Non-domestic	Million m^3 per year	206.5	211.9	215.1	217.6	215.6	204.5	201.3
Sales of NEWater	Million m^3 per year	111.4	114.1	117.1	124.8	126.9	140.2	140.5
Sales of Industrial Water	Million m^3 per year	25.3	27.6	27.6	25.0	21.0	19.9	20.6
Potable Water Price [1] for Domestic Users, 0-40m^3	$ per m^3	2.10	2.10	2.10	2.10	2.10	2.39	2.74
Tariff	$ per m^3	1.17	1.17	1.17	1.17	1.17	1.19	1.21
Water Conservation Tax	$	0.35	0.35	0.35	0.35	0.35	0.42	0.61
Waterborne Fee	$	0.28	0.28	0.28	0.28	0.28	0.78	0.92
Sanitary Appliance Fee [2]	$ per fitting	2.80	2.80	2.80	2.80	2.80	na	na
Potable Water Price [1] for Domestic Users, > 40m^3	$ per m^3	2.61	2.61	2.61	2.61	2.61	3.21	3.69
Tariff	$ per m^3	1.40	1.40	1.40	1.40	1.40	1.46	1.52
Water Conservation Tax	$	0.63	0.63	0.63	0.63	0.63	0.73	0.99
Waterborne Fee [3]	$	0.28	0.28	0.28	0.28	0.28	1.02	1.18
Sanitary Appliance Fee [2]	$ per fitting	2.80	2.80	2.80	2.80	2.80	na	na
Potable Water Price [1] for Non-domestic Users	$ per m^3	2.15	2.15	2.15	2.15	2.15	2.39	2.74
Tariff	$ per m^3	1.17	1.17	1.17	1.17	1.17	1.19	1.21
Water Conservation Tax	$	0.35	0.35	0.35	0.35	0.35	0.42	0.61
Waterborne Fee [3]	$	0.56	0.56	0.56	0.56	0.56	0.78	0.92
Sanitary Appliance Fee [2]	$ per fitting	2.80	2.80	2.80	2.80	2.80	na	na
Potable Water Price [1] for Shipping Customers	$ per m^3	3.06	3.06	3.06	3.06	3.06	3.37	3.80
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	0.67	0.96
Waterborne Fee	$	0.56	0.56	0.56	0.56	0.56	0.78	0.92
NEWater Price [1]	$ per m^3	1.78	1.78	1.78	1.78	1.78	2.19	2.33
Tariff	$ per m^3	1.22	1.22	1.22	1.22	1.22	1.28	1.28
Water Conservation Tax [4]	$	na	na	na	na	na	0.13	0.13
Waterborne Fee	$	0.56	0.56	0.56	0.56	0.56	0.78	0.92
Industrial Water Price [1]	$ per m^3	0.58	1.21	1.21	1.21	1.21	1.44	1.58
Tariff	$ per m^3	0.58	0.65	0.65	0.65	0.65	0.66	0.66
Waterborne Fee	$	na	0.56	0.56	0.56	0.56	0.78	0.92

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.

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www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14539

27.2 ELECTRICITY GENERATION, CONSUMPTION AND TARIFFS

	Unit	2012	2013	2014	2015	2016	2017	2018
Electricity Generation [1]	GWh	46,936.2	47,963.5	49,309.7	50,271.6	51,586.6	52,225.8	52,904.8
Electricity Consumption [2]	GWh	44,200.7	44,948.8	46,403.0	47,513.9	48,626.6	49,643.7	50,448.9
Industrial-related	GWh	18,572.5	18,842.8	19,753.2	20,088.0	20,418.4	21,516.3	21,450.7
Manufacturing	GWh	17,112.4	17,237.4	17,989.0	18,277.6	18,370.9	19,581.7	19,451.5
Construction	GWh	443.7	490.5	527.1	531.0	551.6	484.3	432.3
Utilities	GWh	978.9	1,074.8	1,198.0	1,237.2	1,450.1	1,402.6	1,518.6
Other Industrial-related	GWh	37.5	40.1	39.2	42.2	45.8	47.7	48.3
Commerce and Service-related	GWh	16,366.1	16,718.6	17,046.6	17,481.0	17,699.3	17,804.3	18,562.4
Wholesale and Retail Trade	GWh	1,909.4	1,967.1	2,020.5	2,107.4	2,073.4	1,994.5	2,292.9
Accommodation and Food Services	GWh	1,275.1	1,326.6	1,332.3	1,350.2	1,453.2	1,444.9	1,464.0
Information and Communications	GWh	1,084.4	1,149.1	1,294.5	1,426.7	1,848.0	1,873.5	2,230.5
Financial and Insurance Activities	GWh	2,204.2	2,257.9	2,574.1	2,718.1	2,361.7	2,342.8	2,358.9
Real Estate Activities	GWh	4,522.6	4,532.4	4,485.7	4,454.6	4,497.0	4,700.9	4,636.2
Professional, Scientific & Technical, Administration & Support Activities	GWh	930.8	932.7	681.0	713.7	683.4	703.8	719.9
Other Commerce and Service-related	GWh	4,439.6	4,552.8	4,658.5	4,710.3	4,782.6	4,743.9	4,860.1
Transport-related	GWh	2,328.6	2,369.1	2,441.0	2,444.8	2,639.4	2,750.8	2,943.6
Households	GWh	6,629.5	6,754.9	6,924.4	7,220.9	7,589.4	7,295.8	7,221.4
Others	GWh	304.0	263.4	237.7	279.1	280.1	276.5	270.7

(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	2012	2013	2014	2015	2016	2017	2018
Electricity Tariff [3]								
Low Tension Supplies								
Domestic	¢ per kWh	27.93	26.25	25.59	21.73	18.90	20.65	22.87
Non-Domestic	¢ per kWh	27.93	26.25	25.59	21.73	18.90	20.65	22.87
High Tension Small Supplies								
Contracted Capacity Charge	$ per kW per month	6.96	7.36	7.49	7.99	8.31	8.36	8.53
Uncontracted Capacity Charge	$ per chargeable kW per month	10.44	11.04	11.24	11.98	12.46	12.54	12.79
Peak period (7.00 am to 11.00 pm)	¢ per kWh	26.54	24.39	23.58	19.09	15.85	17.84	20.36
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	16.25	14.96	14.35	11.69	9.66	10.80	12.27
Reactive Power Charge	¢ per chargeable kVARh	0.59	0.59	0.59	0.59	0.59	0.59	0.59
High Tension Large Supplies								
Contracted Capacity Charge	$ per kW per month	6.96	7.36	7.49	7.99	8.31	8.36	8.53
Uncontracted Capacity Charge	$ per chargeable kW per month	10.44	11.04	11.24	11.98	12.46	12.54	12.79
Peak period (7.00 am to 11.00 pm)	¢ per kWh	26.32	24.17	23.36	18.87	15.63	17.62	20.14
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	16.24	14.95	14.34	11.68	9.65	10.79	12.26
Reactive Power Charge	¢ per chargeable kVARh	0.59	0.59	0.59	0.59	0.59	0.59	0.59
Extra High Tension Supplies								
Contracted Capacity Charge	$ per kW per month	6.52	6.81	6.90	7.26	7.50	7.54	7.65
Uncontracted Capacity Charge	$ per chargeable kW per month	9.78	10.21	10.35	10.89	11.25	11.31	11.47
Peak period (7.00 am to 11.00 pm)	¢ per kWh	25.36	23.22	22.41	17.99	14.79	16.74	19.23
Off-peak period (11.00 pm to 7.00 am)	¢ per kWh	16.14	14.84	14.23	11.59	9.56	10.70	12.15
Reactive Power Charge	¢ per chargeable kVARh	0.48	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 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

	2011	2012	2013	2014	2015	2016	2017
Total	12,502.3	12,896.5	13,780.5	14,477.5	15,312.1	14,801.7	14,726.4
Industry-related	7,733.9	8,148.0	9,120.4	9,721.0	10,318.3	9,670.3	9,855.6
Commerce and Services-related	1,516.4	1,558.0	1,614.2	1,629.8	1,671.3	1,691.3	1,694.6
Transport-related	2,584.1	2,512.9	2,355.1	2,427.1	2,589.1	2,674.3	2,435.4
Households	637.4	650.7	667.5	678.4	707.5	739.2	714.6
Others	30.6	26.9	23.4	21.3	26.0	26.7	26.2
Coal and Peat	6.4	23.0	129.0	162.2	163.3	166.8	179.8
Industry-related	6.4	23.0	129.0	162.2	163.3	166.8	179.8
Commerce and Services-related	-	-	-	-	-	-	-
Transport-related	-	-	-	-	-	-	-
Households	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-
Crude Oil	-	-	-	-	-	-	-
Industry-related	-	-	-	-	-	-	-
Commerce and Services-related	-	-	-	-	-	-	-
Transport-related	-	-	-	-	-	-	-
Households	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-
Petroleum Products	7,614.0	7,946.8	8,475.0	8,968.3	9,722.9	9,093.6	8,839.5
Industry-related	5,153.4	5,562.0	6,225.3	6,665.5	7,251.6	6,554.3	6,547.3
Commerce and Services-related	68.9	68.3	87.3	78.9	80.0	77.3	75.2
Transport-related	2,366.9	2,292.7	2,133.3	2,199.8	2,364.5	2,436.1	2,192.0
Households	24.8	23.7	29.1	24.1	26.7	25.8	25.1
Others	-	-	-	-	-	-	-
Natural Gas	1,183.9	1,126.2	1,311.7	1,355.1	1,340.4	1,360.2	1,438.5
Industry-related	1,019.7	966.0	1,145.9	1,192.7	1,176.1	1,193.5	1,278.4
Commerce and Services-related	82.4	82.5	89.3	85.3	88.2	92.1	88.5
Transport-related	25.9	20.0	18.1	17.4	14.3	11.2	6.9
Households	55.2	56.9	57.5	58.9	59.9	60.9	62.2
Others	0.8	0.8	0.8	0.8	2.0	2.6	2.4
Electricity	3,697.9	3,800.6	3,864.9	3,989.9	4,085.5	4,181.1	4,268.6
Industry-related	1,554.4	1,597.0	1,620.2	1,698.5	1,727.3	1,755.7	1,850.1
Commerce and Services-related	1,365.1	1,407.2	1,437.5	1,465.7	1,503.1	1,521.9	1,530.9
Transport-related	191.2	200.2	203.7	209.9	210.2	226.9	236.5
Households	557.4	570.0	580.8	595.4	620.9	652.6	627.3
Others	29.8	26.1	22.6	20.4	24.0	24.1	23.8
Others	-	-	-	-	-	-	-
Industry-related	-	-	-	-	-	-	-
Commerce and Services-related	-	-	-	-	-	-	-
Transport-related	-	-	-	-	-	-	-
Households	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-

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

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

27.4 GAS SALES AND TARIFFS

	Unit	2012	2013	2014	2015	2016	2017	2018
Piped Gas Sales (Town Gas)	Million Units	1,641.3	1,662.7	1,666.2	1,695.4	1,740.6	1,756.0	1,764.3
Domestic	Million Units	663.6	671.2	687.9	711.7	730.3	745.3	761.5
Non-Domestic	Million Units	977.7	991.6	978.4	983.9	1,010.3	1,010.7	1,003.0
Liquefied Petroleum Gas Sales	Net Tonnes	103,610.5	105,601.5	95,396.9	96,820.2	93,551.2	90,923.7	90,026.1
Piped Gas Tariffs [1] (Town Gas)								
General Tariff	¢ per kWh	21.61	21.11	21.02	18.37	16.62	17.68	18.80
Bulk Tariff A [2]	¢ per kWh	20.61	20.11	20.02	17.36	15.61	16.66	17.77
Bulk Tariff B [3]	¢ per kWh	20.12	19.61	19.52	16.86	15.10	16.15	17.25

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.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15279
www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14833

27.5 WASTE DISPOSED OF AND RECYCLED

Million Tonnes

	2012	2013	2014	2015	2016	2017	2018
Waste Disposed of [1]	2.93	3.02	3.04	3.02	3.05	2.98	3.07
Domestic	1.65	1.64	1.65	1.65	1.66	1.61	1.56
Non-domestic	1.28	1.39	1.39	1.37	1.39	1.37	1.50
Waste Recycled	4.34	4.83	4.47	4.65	4.77	4.72	4.63

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 www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=14551

27.6 FIRE OCCURRENCES

Number

Type of Property	2012	2013	2014	2015	2016	2017	2018
Total	4,485	4,136	4,724	4,604	4,114	3,871	3,885
Building	3,766	3,485	3,453	3,403	3,324	3,124	2,926
Residential	3,184	2,952	2,888	2,898	2,818	2,657	2,411
Non-residential	582	533	565	505	506	467	515
Non-Building Structures	719	651	1,271	1,201	790	747	959

Source : Singapore Civil Defence Force

Notes : Data include minor fires, i.e., fires involving rubbish bins and rubbish chutes.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15651

27.7 CRIME CASES RECORDED

Type of Offence	2012	2013	2014	2015	2016	2017	2018
	Number of Cases Recorded						
Overall Crime	31,015	29,984	32,315	33,839	33,099	32,668	33,126
Crimes Against Persons	3,824	3,822	4,269	4,139	4,354	4,495	5,031
Violent / Serious Property Crimes [1]	389	418	535	299	249	216	210
Housebreaking and Related Crimes	598	543	360	340	300	332	328
Theft and Related Crimes	18,476	17,075	16,722	15,615	14,122	13,431	12,196
Commercial Crimes	3,507	3,947	5,687	8,426	8,411	8,528	9,416
Miscellaneous Crimes	4,221	4,179	4,742	5,020	5,663	5,666	5,945
	Per 100,000 population						
Overall Crime Rate	584	555	591	611	590	582	587
Crimes Against Persons	72	71	78	75	78	80	89
Violent / Serious Property Crimes [1]	7	8	10	5	4	4	4
Housebreaking and Related Crimes	11	10	7	6	5	6	6
Theft and Related Crimes	348	316	306	282	252	239	216
Commercial Crimes	66	73	104	152	150	152	167
Miscellaneous Crimes	79	77	87	91	101	101	105

Source : Singapore Police Force

1 Refers to crimes which involve the taking of money or property by force or means of threat against the victims. These include crimes where physical violence may not necessarily be involved e.g. cyber-extortion cases.

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15649

27.8 NUMBER OF BANKRUPTCY APPLICATIONS, ORDERS MADE AND DISCHARGES

	2012	2013	2014	2015	2016	2017	2018
Applications For Bankruptcy	3,019	2,824	2,587	2,612	2,704	2,932	3,097
Bankruptcy Orders Made	1,748	1,992	1,758	1,776	1,797	1,638	1,656
Bankruptcy Discharges	1,881	2,584	3,546	3,499	4,359	2,030	4,027

Source : Insolvency Office

Download time series at www.tablebuilder.singstat.gov.sg/publicfacing/createDataTable.action?refId=15086

INFORMATION DISSEMINATION SERVICES

Statistics Singapore Website

The *Statistics Singapore Website* was launched by the Singapore Department of Statistics (DOS) in January 1995. Internet users can access the website by connecting to:

www.singstat.gov.sg

Key Singapore statistics and resources are available via the following sections:

- **What's New**
  Obtain latest data for key economic and social indicators, browse news releases by DOS and Research and Statistics Units (RSUs) of other public sector agencies.
- **Find Data**
  Choose from almost 50 topics to access the relevant statistics, press releases, infographics, charts, storyboards, videos and references.
- **Publications**
  Browse DOS's publications, papers and articles by topics. All publications are available for free access.
- **Advance Release Calendar**
  View dates of upcoming releases in the half-yearly ahead calendar.

The website also provides a convenient gateway to international statistical websites and resources:

- **IMF Dissemination Standards Bulletin Board**
  View metadata and latest data about Singapore's key indicators in the real, fiscal, financial and external sectors, including dissemination practices and information about pre-release access of current indicators.
- **International Statistics**
  Access international databases, websites of international bodies and national statistical offices.
- **International Classifications**
  Access quick links to international economic and social classifications.

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INFORMATION DISSEMINATION SERVICES
(cont'd)

SingStat Mobile App

The *SingStat Mobile App* provides users with on-the-go access to latest key Singapore official statistics and ASEAN statistics via their mobile devices. The app allows visualisation of data with over 200 charts of commonly used statistics from 28 data categories. Users can also opt to receive notifications on updates to their preferred indicators, organise data categories in the order of their preference, download tables or share charts via social media, perform computation for quick analyses and bookmark indicators for quick access. The app is available for downloading in iOS and Android devices. More information is available at www.singstat.gov.sg/our-services-and-tools/singstat-mobile-app.

SingStat Table Builder

The *SingStat Table Builder* contains data series from 60 public sector agencies providing a comprehensive statistical view of Singapore economic and socio-demographic characteristics. Users may create customised data tables, and export them in different file formats and download multiple tables at one go. APIs for commonly accessed tables are provided in JSON and CSV formats for ease of data retrieval. In addition, developer APIs are available for users to customise and use the parameters available to define queries. Explore data trends with this digital service at www.singstat.gov.sg/tablebuilder.

Really Simple Syndication

Really Simple Syndication (RSS) is an easy way to stay updated on the latest statistical news released by DOS. The SingStat RSS feed delivers statistical news highlights and hyperlinks to the source documents whenever the updates are posted. More information is available at www.singstat.gov.sg/whats-new/really-simple-syndication-rss.

E-survey

The *E-survey* enables business organisations to complete and submit their survey forms through the internet. Using secured encryption protocols, the E-survey ensures that the information transmitted through the net is secured and protected. The system features online helps and validation checks to assist respondents in completing their survey forms. With the E-survey, respondents do away with the tedious paper work and manual tasks of mailing or faxing their survey returns to DOS.

Statistical Enquiries and Feedback

If you have any statistical enquiries or feedback on our services, you are welcomed to:

E-mail us **info@singstat.gov.sg**

Fax to us **(65) 6332-7689**

Call us **1800-3238118* (local callers)**
(65) 6332-7738 (overseas callers)

* Calls from mobile telephone lines to 1800 local toll free number may be subject to mobile airtime charges as imposed by the relevant mobile service provider.

Readership Survey

We appreciate your views on the Yearbook of Statistics. Kindly spend a few minutes of your time to answer the following questions, and return the form to the address provided below. Alternatively, you may complete the form online through
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Research and Development	☐	Education and Literacy	☐
The Corporate Sector	☐	Health	☐
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