













## SINGAPORE CONSUMER PRICE INDEX<sup>1</sup> (2019 as Base Year) AUGUST 2022

KEY INDICATORS				
Indicator	Weight (%)	% Change		
		Aug 2022 Aug 2021 (Y-O-Y)	Aug 2022 Jul 2022 (M-O-M)	Jan – Aug 2022 Jan – Aug 2021 (Cumulative)
<b>ALL ITEMS</b>	<b>100.0</b>	<b>▲ 7.5%</b>	<b>▲ 0.9%</b>	<b>▲ 5.7%</b>
All Items less Imputed Rentals on Owner-Occupied Accommodation <sup>^</sup>	82.5	▲ 8.0%	▲ 1.0%	▲ 6.1%
All Items less Accommodation <sup>^</sup>	78.0	▲ 8.2%	▲ 0.6%	▲ 6.3%
MAS Core Inflation Measure <sup>^</sup>	65.8	▲ 5.1%	▲ 0.5%	▲ 3.6%

PERCENTAGE CHANGE IN CONSUMER PRICE INDEX BY EXPENDITURE DIVISION							
	Y-O-Y	M-O-M	Cumulative		Y-O-Y	M-O-M	Cumulative
Food				Transport			
	▲ 6.4%	▲ 0.6%	▲ 4.4%		▲ 20.2%	▲ 0.8%	▲ 16.9%
Clothing & Footwear				Communication			
	▲ 8.7%	▲ 1.8%	▲ 1.6%		▼ 1.1%	▲ 0.5%	▼ 1.6%
Housing & Utilities				Recreation & Culture			
	▲ 6.0%	▲ 1.9%	▲ 5.0%		▲ 5.9%	▲ 1.5%	▲ 3.3%
Household Durables & Services				Education			
	▲ 2.2%	▲ 0.6%	▲ 1.9%		▲ 2.2%	▲ 0.1%	▲ 2.1%
Health Care				Miscellaneous Goods & Services			
	▲ 2.7%	▲ 0.1%	▲ 1.8%		▲ 0.2%	▼ 0.1%	▲ 0.2%

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<sup>1</sup> The COVID-19 situation had disrupted the collection of price data for some goods and services in April 2020 – August 2022, such as airfares due to entry restrictions imposed by selected destinations. The prices of such goods and services were thus imputed, in line with the recommendations of the International Labour Organisation, International Monetary Fund and Eurostat, as well as the best practices of other National Statistical Offices. Actual prices were progressively used when the sale of these goods and services resumed or when restrictions were lifted. For more information, please refer to the Technical Note.

<sup>^</sup> For more information on the coverage of these indicators, please refer to the Technical Note.

TABLE 1  
PERCENTAGE CHANGE IN CONSUMER PRICE INDEX AT EXPENDITURE DIVISION AND GROUP LEVEL  
(2019 as Base Year)

Expenditure Division and Group	Weights	% Change		
		Aug 2022 / Aug 2021	Aug 2022 / Jul 2022	Jan-Aug 2022 / Jan-Aug 2021
<b>ALL ITEMS</b>	<b>10,000</b>	<b>7.5</b>	<b>0.9</b>	<b>5.7</b>
<b>FOOD</b>	<b>2,110</b>	<b>6.4</b>	<b>0.6</b>	<b>4.4</b>
<b>Food excl Food Serving Services</b>	<b>682</b>	<b>6.3</b>	<b>0.5</b>	<b>4.5</b>
Bread & cereals	127	4.9	-0.1	3.0
Meat	107	13.0	1.7	6.9
Fish & seafood	99	5.4	-0.9	5.6
Milk, cheese & eggs	74	6.4	0.3	5.0
Oils & fats	14	6.0	0.3	6.8
Fruits	86	3.7	1.7	3.0
Vegetables	86	6.1	0.5	4.9
Sugar, preserves & confectionery	25	3.8	0.4	1.3
Non-alcoholic beverages	38	4.1	0.0	3.7
Other food	26	3.5	0.0	2.7
<b>Food Serving Services</b>	<b>1,428</b>	<b>6.5</b>	<b>0.6</b>	<b>4.3</b>
Restaurant food	539	6.1	0.9	4.0
Fast food	82	4.5	0.0	3.3
Hawker food	791	6.9	0.5	4.6
Catered food	16	6.6	0.0	3.6
<b>CLOTHING &amp; FOOTWEAR</b>	<b>212</b>	<b>8.7</b>	<b>1.8</b>	<b>1.6</b>
Clothing	153	8.7	1.5	2.3
Other articles & related services	10	1.4	-2.1	1.7
Footwear	49	10.3	3.3	-0.9
<b>HOUSING &amp; UTILITIES</b>	<b>2,484</b>	<b>6.0</b>	<b>1.9</b>	<b>5.0</b>
Accommodation	2,197	4.7	2.2	3.9
Utilities & other fuels	287	16.2	-0.2	13.6
<b>HOUSEHOLD DURABLES &amp; SERVICES</b>	<b>493</b>	<b>2.2</b>	<b>0.6</b>	<b>1.9</b>
Household durables	198	4.1	1.4	2.8
Household services & supplies	295	1.0	0.1	1.4
<b>HEALTH CARE</b>	<b>655</b>	<b>2.7</b>	<b>0.1</b>	<b>1.8</b>
Medicines & health products	120	0.6	-0.5	0.6
Outpatient services	302	4.3	0.3	2.1
Hospital services	151	2.1	0.2	2.1
Health insurance	82	0.7	0.3	2.3
<b>TRANSPORT</b>	<b>1,707</b>	<b>20.2</b>	<b>0.8</b>	<b>16.9</b>
Private transport	1,221	24.1	1.1	19.8
Public transport	310	7.8	0.2	6.3
Other transport services	176	13.2	-0.5	15.3
<b>COMMUNICATION</b>	<b>411</b>	<b>-1.1</b>	<b>0.5</b>	<b>-1.6</b>
Postage & courier services	2	7.2	1.3	4.1
Telecommunication equipment	26	2.6	0.1	3.5
Telecommunication services	383	-1.3	0.5	-2.0
<b>RECREATION &amp; CULTURE</b>	<b>789</b>	<b>5.9</b>	<b>1.5</b>	<b>3.3</b>
Recreational & cultural goods	121	0.8	0.0	2.1
Recreational & cultural services	198	5.1	0.1	3.9
Newspapers, books & stationery	34	0.8	0.0	0.7
Holiday expenses	436	8.1*	2.7*	3.5*
<b>EDUCATION</b>	<b>663</b>	<b>2.2</b>	<b>0.1</b>	<b>2.1</b>
Tuition & other fees	656	2.2	0.1	2.2
Textbooks & guides	7	0.6	0.0	0.0
<b>MISCELLANEOUS GOODS &amp; SERVICES</b>	<b>476</b>	<b>0.2</b>	<b>-0.1</b>	<b>0.2</b>
Personal care	229	2.6	-0.4	1.0
Alcoholic drinks & tobacco	73	1.2	-0.1	0.9
Personal effects	80	-3.0	0.8	1.3
Social services	24	0.2	0.0	-0.8
Other miscellaneous services	70	-5.0	-0.1	-4.1
<b>ALL ITEMS LESS IMPUTED RENTALS ON OWNER-OCCUPIED ACCOMMODATION</b>	<b>8,250</b>	<b>8.0</b>	<b>1.0</b>	<b>6.1</b>
<b>ALL ITEMS LESS ACCOMMODATION</b>	<b>7,803</b>	<b>8.2</b>	<b>0.6</b>	<b>6.3</b>
<b>MAS CORE INFLATION MEASURE</b>	<b>6,582</b>	<b>5.1</b>	<b>0.5</b>	<b>3.6</b>

Please refer to the SingStat Table Builder at <https://tablebuilder.singstat.gov.sg> for further breakdown of the CPI data at expenditure class level.

\* These services were either fully or partially unavailable in April 2020 – August 2022 due to international and safe-distancing measures to contain the COVID-19 pandemic. Price changes of unavailable services were imputed, in line with international guidelines. As the services resumed progressively or when restrictions were lifted, actual prices are incorporated into the CPI. As of August 2022, only some services, e.g. air travel and holiday expenses remain imputed.

TABLE 2  
CONSUMER PRICE INDEX AT EXPENDITURE DIVISION AND GROUP LEVEL  
(2019 as Base Year)

Expenditure Division and Group	Weights	Index				
		Aug 2021	Jul 2022	Aug 2022	Jan-Aug 2021	Jan-Aug 2022
<b>ALL ITEMS</b>	<b>10,000</b>	<b>102.2</b>	<b>108.8</b>	<b>109.9</b>	<b>101.4</b>	<b>107.3</b>
<b>FOOD</b>	<b>2,110</b>	<b>103.5</b>	<b>109.5</b>	<b>110.2</b>	<b>103.0</b>	<b>107.5</b>
<b>Food excl Food Serving Services</b>	<b>682</b>	<b>104.6</b>	<b>110.7</b>	<b>111.2</b>	<b>104.1</b>	<b>108.8</b>
Bread & cereals	127	102.2	107.3	107.2	102.3	105.4
Meat	107	105.8	117.5	119.5	105.5	112.8
Fish & seafood	99	101.7	108.1	107.2	101.3	107.0
Milk, cheese & eggs	74	103.5	109.8	110.1	103.2	108.4
Oils & fats	14	104.0	110.0	110.3	101.8	108.7
Fruits	86	106.1	108.2	110.0	103.4	106.4
Vegetables	86	109.3	115.4	116.0	109.6	114.9
Sugar, preserves & confectionery	25	105.1	108.8	109.2	106.0	107.4
Non-alcoholic beverages	38	105.9	110.2	110.3	104.8	108.7
Other food	26	103.1	106.7	106.7	102.3	105.1
<b>Food Serving Services</b>	<b>1,428</b>	<b>103.0</b>	<b>109.0</b>	<b>109.7</b>	<b>102.4</b>	<b>106.8</b>
Restaurant food	539	102.9	108.2	109.2	102.5	106.5
Fast food	82	103.3	108.0	108.0	102.5	105.9
Hawker food	791	103.0	109.6	110.2	102.4	107.2
Catered food	16	102.3	109.1	109.1	102.2	105.9
<b>CLOTHING &amp; FOOTWEAR</b>	<b>212</b>	<b>88.6</b>	<b>94.7</b>	<b>96.4</b>	<b>91.4</b>	<b>92.8</b>
Clothing	153	88.6	94.9	96.4	91.2	93.3
Other articles & related services	10	95.6	99.0	97.0	96.5	98.2
Footwear	49	87.3	93.2	96.3	90.9	90.1
<b>HOUSING &amp; UTILITIES</b>	<b>2,484</b>	<b>102.0</b>	<b>106.1</b>	<b>108.1</b>	<b>100.4</b>	<b>105.4</b>
Accommodation	2,197	102.8	105.3	107.6	101.2	105.2
Utilities & other fuels	287	95.9	111.7	111.5	94.1	106.9
<b>HOUSEHOLD DURABLES &amp; SERVICES</b>	<b>493</b>	<b>102.1</b>	<b>103.8</b>	<b>104.4</b>	<b>101.5</b>	<b>103.5</b>
Household durables	198	101.7	104.4	105.8	101.3	104.1
Household services & supplies	295	102.4	103.4	103.5	101.6	103.0
<b>HEALTH CARE</b>	<b>655</b>	<b>100.1</b>	<b>102.6</b>	<b>102.7</b>	<b>99.4</b>	<b>101.2</b>
Medicines & health products	120	99.4	100.6	100.0	98.6	99.2
Outpatient services	302	97.0	100.9	101.2	96.6	98.7
Hospital services	151	103.4	105.4	105.6	102.8	104.9
Health insurance	82	106.3	106.7	107.0	104.2	106.6
<b>TRANSPORT</b>	<b>1,707</b>	<b>107.2</b>	<b>127.8</b>	<b>128.8</b>	<b>105.9</b>	<b>123.8</b>
Private transport	1,221	109.0	133.8	135.3	107.3	128.5
Public transport	310	105.0	112.9	113.2	104.7	111.2
Other transport services	176	98.7	112.3	111.7	97.9	112.9
<b>COMMUNICATION</b>	<b>411</b>	<b>99.7</b>	<b>98.1</b>	<b>98.6</b>	<b>100.4</b>	<b>98.8</b>
Postage & courier services	2	93.0	98.4	99.7	93.0	96.8
Telecommunication equipment	26	88.7	90.9	91.0	95.5	98.8
Telecommunication services	383	100.4	98.6	99.1	100.7	98.8
<b>RECREATION &amp; CULTURE</b>	<b>789</b>	<b>99.5</b>	<b>103.8</b>	<b>105.4</b>	<b>98.8</b>	<b>102.0</b>
Recreational & cultural goods	121	100.4	101.2	101.3	98.4	100.5
Recreational & cultural services	198	101.3	106.4	106.5	100.8	104.8
Newspapers, books & stationery	34	100.8	101.6	101.6	100.7	101.3
Holiday expenses	436	98.4*	103.6*	106.4*	97.8*	101.2*
<b>EDUCATION</b>	<b>663</b>	<b>100.6</b>	<b>102.7</b>	<b>102.8</b>	<b>100.3</b>	<b>102.4</b>
Tuition & other fees	656	100.6	102.7	102.8	100.3	102.4
Textbooks & guides	7	100.3	101.0	101.0	100.4	100.4
<b>MISCELLANEOUS GOODS &amp; SERVICES</b>	<b>476</b>	<b>98.1</b>	<b>98.4</b>	<b>98.3</b>	<b>98.3</b>	<b>98.5</b>
Personal care	229	97.6	100.5	100.1	98.6	99.6
Alcoholic drinks & tobacco	73	99.1	100.3	100.3	99.0	99.9
Personal effects	80	98.9	95.3	96.0	95.7	96.9
Social services	24	94.4	94.6	94.6	95.8	95.0
Other miscellaneous services	70	98.9	94.1	94.0	100.5	96.4
<b>ALL ITEMS LESS IMPUTED RENTALS ON OWNER-OCCUPIED ACCOMMODATION</b>	<b>8,250</b>	<b>102.2</b>	<b>109.2</b>	<b>110.3</b>	<b>101.4</b>	<b>107.6</b>
<b>ALL ITEMS LESS ACCOMMODATION</b>	<b>7,803</b>	<b>102.1</b>	<b>109.8</b>	<b>110.5</b>	<b>101.5</b>	<b>107.8</b>
<b>MAS CORE INFLATION MEASURE</b>	<b>6,582</b>	<b>100.8</b>	<b>105.4</b>	<b>105.9</b>	<b>100.4</b>	<b>104.0</b>

Please refer to the SingStat Table Builder at <https://tablebuilder.singstat.gov.sg> for further breakdown of the CPI data at expenditure class level.

\* These services were either fully or partially unavailable in April 2020 – August 2022 due to international and safe-distancing measures to contain the COVID-19 pandemic. Price changes of unavailable services were imputed, in line with international guidelines. As the services resumed progressively or when restrictions were lifted, actual prices are incorporated into the CPI. As of August 2022, only some services, e.g. air travel and holiday expenses remain imputed.

## TECHNICAL NOTE

### Concept and Definition

The Consumer Price Index (CPI) measures the average price changes in a fixed basket of consumption goods and services commonly purchased by the resident households over time. It is commonly used as a measure of consumer price inflation.

The weighting pattern for the 2019-based CPI was derived from the expenditure values obtained from the Household Expenditure Survey (HES) conducted between October 2017 and September 2018. These expenditure values were updated to 2019 values by taking into account price changes between 2017/18 and 2019.

### Scope and Coverage

The CPI covers only consumption expenditure incurred by resident households, which refer to households headed by Singapore Citizens or Permanent Residents. It excludes non-consumption expenditures such as loan repayments, income taxes, purchases of houses, shares, and other financial assets etc.

A total of 6,800 brands/varieties are included in the 2019-based CPI basket and they are classified into ten main expenditure divisions based largely on the Classification of Individual Consumption According to Purpose (COICOP). The total number of outlets selected for pricing is about 4,200.

### Measurement of Changes in the Consumer Price Index

The CPI is compiled on a monthly basis. For longer periods, the CPI is derived by averaging the monthly indices. For example, the yearly CPI is derived by taking a simple average of the 12 months' indices for the year.

To compute month-on-month change, the difference between the CPI for the specific month and that for the preceding month expressed in percentage term is used. This measures the change in average prices between the two months and serves as a useful short-term indicator of price movement.

To measure the year-on-year change, the CPI for the specific month is compared with that for the same month of preceding year. Likewise, 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.

### Consumer Price Index for All Items

This contains all the expenditure divisions, groups and classes.

## **Pricing Indicator for Rented and Owner-Occupied Accommodation Index**

For the computation of the rented accommodation index, actual rental data for the entire rental market obtained from administrative sources are used. These rental data refer to the actual rental paid for rented units, regardless of when the leases were signed, i.e. including new and renewed leases signed in the period and existing leases signed earlier. This reflects the actual consumption pattern of the population renting accommodation as households are paying rentals according to the contract signed, and not all are paying rental at the prevailing market rates of the period. For the computation of the owner-occupied accommodation index in the CPI, Department Of Statistics (DOS) adopts the rental equivalence method which measures the shelter cost in terms of the expected rental the owner would have to pay if he were a tenant of the premise. The pricing indicator for owner-occupied accommodation is the rental data for the entire rental market.

## **Consumer Price Index for “All Items Less Accommodation” and “All Items Less Imputed Rentals on Owner-Occupied Accommodation”**

Accommodation, one of the groups in the Housing & Utilities expenditure division, comprises “rented and owner-occupied accommodation”, as well as “housing maintenance & repairs”. A significant share of the Accommodation group is “owner-occupied accommodation” cost, which reflects the costs to homeowners of utilizing the flow of services provided by their homes over an extended period of time. As the cost of using housing services is not directly observed for homeowners, it is computed based on the imputed rental concept under the rental equivalence method, i.e. proxied by market rentals.

The Owner-Occupied Accommodation (OOA) cost in CPI comprises rentals that are imputed for owner-occupied homes. Imputed rentals on OOA have no impact on the cash expenditure of owner-occupied households. In addition, under “housing maintenance & repairs”, the rebates for service & conservancy charges (S&CC) which are given to households living in HDB flats in different periods of the year result in some volatility in the monthly CPI. For “All Items less imputed rentals on owner-occupied accommodation”, actual rentals paid on rented units are still included in the measure.

## **Monetary Authority of Singapore’s Core Inflation Measure**

The Monetary Authority of Singapore (MAS) monitors a core inflation measure that excludes the components of “Accommodation” and “Private Transport”.

## **Compilation of the Consumer Price Index in the Context of the COVID-19 Pandemic**

The COVID-19 pandemic reduced and/or suspended the provision of selected goods and services, and disrupted the collection of prices and the compilation of the CPI. DOS engaged several National Statistical Offices (NSOs) as well as international organisations such as International Labour Organisation (ILO), International Monetary Fund (IMF) and Eurostat to understand how best to respond to the current situation, including conceptual treatments for selected suspended services. Based on international recommendations and NSOs' best practices, we adopted those suitable to our local context. In particular, where prices are not available and/or if services are suspended/affected due to entry restrictions, price imputation is done by following the price direction of similar goods and services or higher level index, where appropriate; or carrying forward of last observable prices (i.e. imputing no price change). For example, prices of items with little or no expenditure may be imputed by following the price direction of other sub-indices in the CPI-All Items, i.e. they will not contribute towards the monthly movement of the CPI-All Items. As the services resumed progressively or when restrictions were lifted, actual prices are incorporated into the CPI. As of August 2022, only some services, e.g. air travel and holiday expenses remain imputed.