



## INFLATION RISES

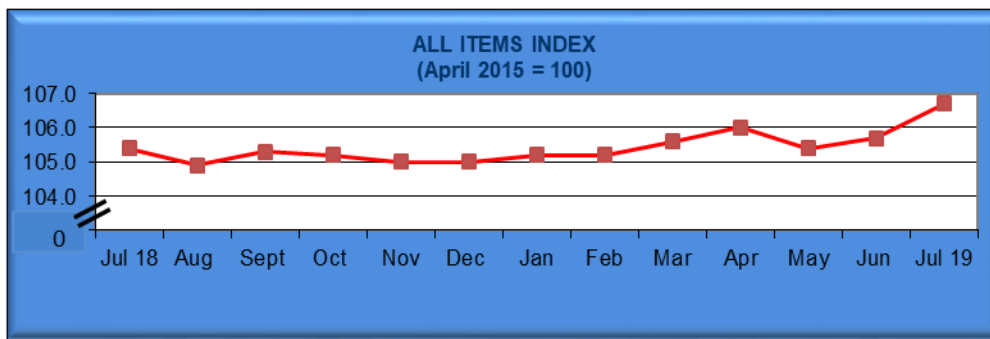
Consumers paid 1.2 per cent more in July 2019 than they did a year ago for the basket of goods and services included in the Consumer Price Index (CPI). The level of inflation rose 0.5 percentage points from the 0.7 per cent measured in June 2019.

Between June 2019 and July 2019, the average cost of goods and services in the CPI increased 0.9 per cent. The all-items index was 106.7 in July. This means that the basket of goods and services that cost \$100.00 in April 2015 now costs \$106.70.

## YEAR-TO-YEAR ANALYSIS

The Health & Personal Care sector was the largest contributor to the year-over-year change, increasing 3.8 per cent. The average cost of health insurance premiums continues to be a major contributor to the annual increase.

In addition, the Food and Rent sectors contributed to the rise in the annual rate of inflation as price shifts in these sectors were 2.9 per cent and 1.4 per cent, respectively.



Inflation  
Rate  
1.2%

The compilation of the CPI involves the processing of several thousand price quotations. The Department of Statistics wishes to acknowledge the cooperation of the business community in supplying the required price data.

SUMMARY STATISTICS					
Period	Monthly		Period	Quarterly	
	Index	Annual per cent Change		Index	Annual per cent Change
<b>2018</b>			<b>2017</b>		
Jul	105.4	+1.4	Q1	102.3	+2.1
Aug	104.9	+0.9	Q2	103.1	+1.9
Sept	105.3	+1.1	Q3	104.0	+1.8
Oct	105.2	+1.1	Q4	104.1	+1.8
Nov	105.0	+0.8	<b>2018</b>		
Dec	104.9	+0.9	Q1	104.1	+1.8
<b>2019</b>			Q2	105.0	+1.8
Jan	105.2	+1.3	Q3	105.2	+1.2
Feb	105.2	+1.1	Q4	105.0	+0.9
Mar	105.6	+1.2	<b>2019</b>		
Apr	106.0	+1.0	Q1	105.3	+1.2
May	105.4	+0.3	Q2	105.7	+0.7
Jun	105.7	+0.7			
Jul	106.7	+1.2			

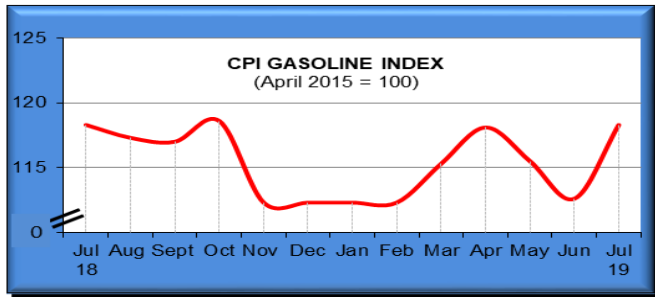
**MONTH-TO-MONTH ANALYSIS**

**Rent**

The Rent sector climbed 2.1 per cent for the month. On average, the land tax bill for residential properties rose after adjustments to the tax rates.

**Transport & Foreign Travel**

The Transport & Foreign Travel sector rose 2.7 per cent in July. The leading factors behind the increase were the average cost of overseas hotel accommodations (+13.8 per cent) and the average cost of mixed fuels (+5.9 per cent).



**Food**

The Food sector edged up 0.4 per cent. The average cost of vegetable juice (+6.9 per cent), oranges (+4.0 per cent) and sugar and sugar confectionery (+2.7 per cent) fuelled the rise for the month.

**Fuel & Power**

Following a 0.8 per cent increase in June, the Fuel & Power sector reported no price movement in July.

**Education, Recreation, Entertainment & Reading**

After falling 0.2 per cent in June, the Education, Recreation, Entertainment & Reading sector rose 0.2 per cent in July. The average cost of premium fuel advanced 5.1 per cent.

**Health & Personal Care**

The Health & Personal Care sector increased 0.1 per cent for the month. The average cost of over-the-counter medications and household medical supplies increased 1.1 per cent.

**Clothing & Footwear**

The Clothing & Footwear sector increased 0.2 per cent for July. The main driver behind the increase was the average cost of women’s skirts and shorts (+6.7 per cent).

**Household Goods, Services & Supplies**

The Household Goods, Services & Supplies sector was static for the month.

**Tobacco & Liquor**

The Tobacco & Liquor sector dipped 0.6 per cent for the month. The average cost of wines and spirits declined 2.7 per cent and 1.5 per cent, respectively.

**COMPUTING PRICE INCREASES**

The Department of Statistics receives calls daily requesting the rate of inflation over specific periods of time. The following calculations are provided to guide users as to how to compute rates of price increases. The monthly index numbers can be obtained from our website [www.gov.bm](http://www.gov.bm).

**A) Month-to-Month Price Change**

The price change between November and October, 2015 is calculated as follows:

$$= \frac{\text{Nov 15 index} - \text{Oct 15 index}}{\text{Oct 15 index}} \times 100$$

$$= \frac{100.5 - 100.6}{100.6} \times 100$$

$$= -0.1\%$$

**B) Year-to-Year Price Change**

The price change between December 2015 and December, 2014 is calculated as follows:

$$= \frac{\text{Dec 15 index} - \text{Dec 14 index}}{\text{Dec 14 index}} \times 100$$

$$= \frac{100.5 - 98.7}{98.7} \times 100$$

$$= 1.8\%$$

**C) Particular Period Price Change**

The price change between April 2014 and January, 2016 is calculated as follows:

$$= \frac{\text{Jan 16 index} - \text{Apr 14 index}}{\text{Apr 14 index}} \times 100$$

$$= \frac{100.3 - 98.3}{98.3} \times 100$$

$$= 2.0\%$$

# BERMUDA CONSUMER PRICE INDEX

**APRIL 2015 = 100**

	All Items	Food	Rent	Clothing & Footwear	Tobacco & Liquor	Fuel & Power	Household Goods, Services & Supplies	Transport & Foreign Travel	Education, Recreation, Entertain. & Reading	Health & Personal Care
<b>2013 WEIGHT</b>	1000	115	267	25	31	39	116	130	147	130
<b>ANNUAL AVERAGE ( per cent)</b>										
<b>2014</b>	+2.0	+3.1	+0.8	+2.0	+2.4	-2.4	+0.8	+1.7	+1.9	+6.7
<b>2015</b>	+1.5	+2.7	+0.6	+1.3	+1.2	-8.9	+2.1	-1.3	+0.9	+7.8
<b>2016</b>	+1.5	+1.9	+1.0	+0.4	+5.1	-3.3	+1.6	-2.2	+3.3	+4.5
<b>2017</b>	+1.9	+2.2	+0.1	+1.5	+7.8	+7.8	+0.5	+3.6	+2.0	+1.3
<b>2018</b>	+1.4	+2.1	+0.2	+1.5	+4.3	+5.8	-0.2	+0.3	+2.1	+3.1
<b>MONTHLY ( per cent)</b>										
<b>2017</b>										
Apr	+0.3	-1.1	Nil	Nil	+2.8	+0.5	+0.1	+1.9	+0.2	+0.2
May	+0.4	+1.7	Nil	Nil	+4.7	+1.8	-0.1	Nil	+0.1	Nil
Jun	Nil	+0.6	+0.1	Nil	Nil	+3.3	+0.2	-1.2	-0.1	Nil
Jul	+0.6	+0.2	Nil	+0.2	+0.7	+3.0	+0.2	+2.4	+0.1	Nil
Aug	+0.1	+0.1	+0.1	Nil	Nil	Nil	Nil	Nil	+0.2	+0.5
Sept	+0.2	-0.1	Nil	Nil	+0.1	+0.2	+0.1	+0.2	+0.8	Nil
Oct	-0.1	+0.1	+0.1	+0.1	+0.2	Nil	Nil	-1.4	-0.2	+0.5
Nov	+0.1	+0.1	Nil	Nil	+0.1	-2.1	Nil	+1.2	+0.5	Nil
Dec	-0.2	-0.7	Nil	Nil	+0.1	Nil	Nil	-1.4	+0.1	Nil
<b>2018</b>										
Jan	-0.2	+1.2	Nil	Nil	+0.3	-1.5	-0.1	-1.9	+0.1	Nil
Feb	+0.3	-0.7	Nil	Nil	Nil	Nil	+0.2	+2.6	-0.1	Nil
Mar	+0.2	+0.2	Nil	Nil	-0.2	Nil	Nil	+0.8	+0.5	Nil
Apr	+0.6	+0.3	Nil	+0.1	+0.6	Nil	-1.0	+1.4	+0.4	+2.9
May	+0.2	+1.0	Nil	Nil	+0.2	+3.8	Nil	-1.2	+0.4	Nil
Jun	-0.1	+0.2	Nil	Nil	+0.8	+1.4	Nil	-1.8	-0.1	Nil
Jul	+0.4	+0.1	Nil	+2.5	Nil	+3.9	-0.1	+1.5	-0.1	Nil
Aug	-0.5	-0.3	-0.4	Nil	+0.2	-1.4	+0.2	-2.3	-0.1	Nil
Sept	+0.4	+0.3	Nil	Nil	+0.2	+1.5	+0.2	+1.3	+0.5	Nil
Oct	-0.1	+0.4	+0.1	-0.1	-0.1	Nil	-0.1	-1.0	Nil	Nil
Nov	-0.2	-0.1	+0.1	Nil	Nil	-0.6	Nil	-1.5	-0.1	Nil
Dec	-0.1	+0.3	Nil	Nil	+0.3	-1.8	Nil	-0.3	Nil	Nil
<b>2019</b>										
Jan	+0.2	+1.0	+0.5	+0.4	+0.3	Nil	+0.1	-0.7	+0.1	Nil
Feb	Nil	-0.2	+0.5	Nil	+0.2	Nil	+0.1	-0.9	Nil	Nil
Mar	+0.4	-0.1	+0.9	Nil	+0.4	Nil	Nil	+2.1	-0.4	-0.1
Apr	+0.4	-0.2	-0.1	Nil	+1.0	Nil	Nil	+0.4	+0.1	+2.3
May	-0.6	+0.3	-2.0	Nil	+0.8	+1.0	-0.2	-1.6	+0.1	Nil
Jun	+0.3	+1.0	-0.4	Nil	+1.1	+0.8	Nil	+0.7	-0.2	+1.4
Jul	+0.9	+0.4	+2.1	+0.2	-0.6	Nil	Nil	+2.7	+0.2	+0.1
<b>Jul '19</b>	<b>106.7</b>	<b>110.2</b>	<b>103.0</b>	<b>105.7</b>	<b>123.2</b>	<b>113.3</b>	<b>102.9</b>	<b>101.4</b>	<b>108.3</b>	<b>112.4</b>
<b>Jul '19</b>	<b>+1.2</b>	<b>+2.9</b>	<b>+1.4</b>	<b>+0.6</b>	<b>+4.0</b>	<b>-0.6</b>	<b>+0.4</b>	<b>-1.4</b>	<b>+0.2</b>	<b>+3.8</b>

## WHAT IS THE CONSUMER PRICE INDEX?

The Consumer Price Index (CPI) is a statistical tool used for measuring changes in the general level of prices of consumer goods and services purchased by private households.

The index measures price movements of a given quality and quantity of goods and services. The mix of these consumer goods and services comprising the index, are figuratively thought of as a “shopping basket.” In constructing this “shopping basket”, the selected goods and services are organized first by commodity type. They are then divided into sub-components and assigned to a major expenditure group. The Bermuda CPI is structured into nine expenditure groups or sectors:

- Food
- Rent
- Clothing & Footwear
- Tobacco & Liquor
- Fuel & Power
- Transport & Foreign Travel
- Household Goods, Services & Supplies
- Education, Recreation, Entertainment & Reading
- Health & Personal Care

## CONCEPTS AND DEFINITIONS

### Base Period

The time period which is used as a reference point for measuring the price change of goods and services. The base period for the Bermuda CPI is April 2015.

### Price Index Number

A single figure that shows how a set of prices has changed over a specified period of time. An index number on its own means nothing. It must be compared with an index number from another period to have meaning. For example, a comparison of the index number 97.2 for January 2014 with 100.4 for January 2016, reveals that prices have increased by 3.3 percent.

### Laspeyres Equation

The CPI is computed using this statistical equation. This formula calculates the total amount of money a household needs today to purchase the same basket of goods and services that it bought in the base period, April 2015.

## WEIGHTED AVERAGE

A mathematical formula that takes into account the relative importance of an item’s price change compared to the overall change in the sector or CPI.

### Inflation

Inflation is the process of rising prices, resulting in diminishing purchasing power of a given sum of money.

### Cost of Living Index

Many individuals refer to the CPI as a cost-of-living index. The CPI is an index of pure price change only. A cost-of-living index reflects the changes in buying or consumption patterns that consumers would ordinarily make to adjust to any change in the price of a good or service.

### A COMPARISON OF RATES OF INFLATION (%) Selected Countries & Bermuda

	2015	2016	2017	2018	Jul 19
<b>Bermuda</b>	1.5	1.5	1.9	1.4	+1.2
<b>United States<sup>1</sup></b>	0.1	1.3	2.1	2.4	+1.8
<b>Canada<sup>2</sup></b>	1.1	1.4	1.6	2.3	+2.0
<b>United Kingdom<sup>3</sup></b>	1.0	1.8	3.6	3.3	+2.8

#### Sources:

1. US Bureau of Labour Statistics
2. Statistics Canada
3. UK Office of National Statistics

September 2019

Department of Statistics  
Cedar Park Centre,  
48 Cedar Avenue, Hamilton HM 11

P.O. Box HM 3015  
Hamilton HM MX, Bermuda

Tel: (441) 297-7761, Fax: (441) 295-8390

Website: <https://www.gov.bm/department/statistics>