



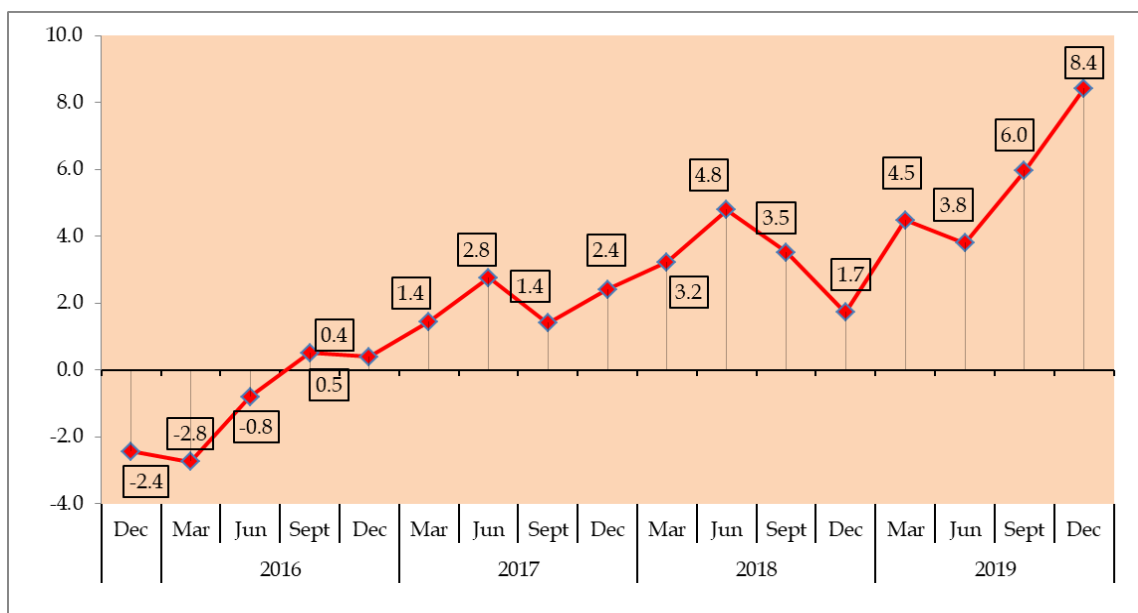
# THE CAYMAN ISLANDS' CONSUMER PRICE INDEX REPORT: OCTOBER TO DECEMBER 2019

Date of Publication: February 5, 2020

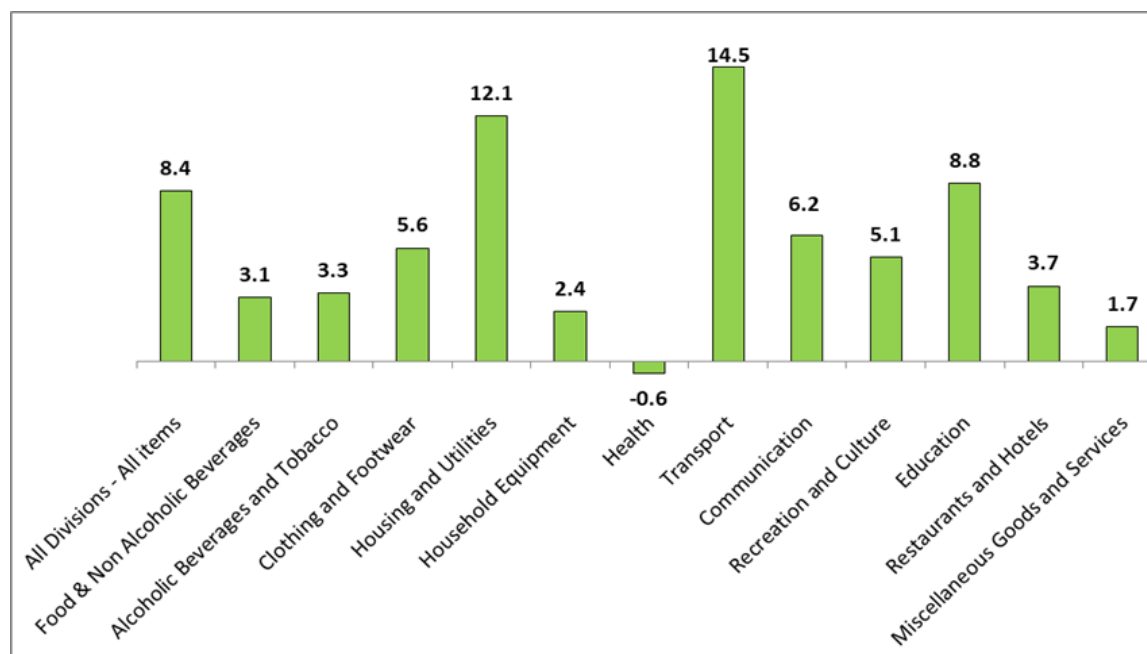
**The Rate of Inflation for December 2019 over December 2018 was 8.4%**

In the fourth quarter of 2019, the CPI was **112.9**, higher by **8.4** percent when compared to the fourth quarter of 2018, with 11 of the 12 divisions recording higher price indices.

**Figure 1: Inflation Rates, December 2015 – December 2019**  
(% Change in CPI of Current Quarter over Same Quarter a Year Ago)



**Figure 2: Inflation Rates, December 2018 – December 2019 by Major Types of Goods and Services**  
(% Change in CPI of Current Quarter over Same Quarter a Year Ago)



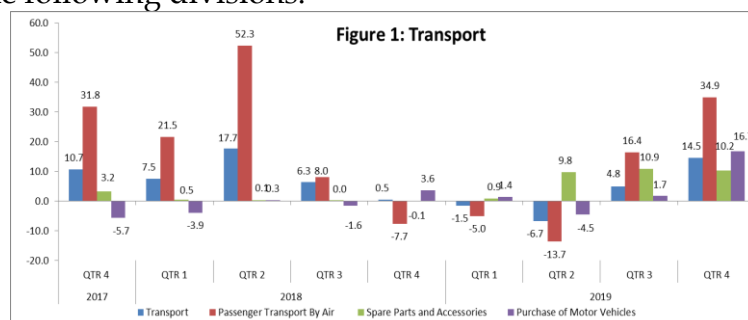
The average CPI in 2019 was **110.4**, an increase of **5.7** percent over the average CPI in 2018. This represents an acceleration of the overall index, driven mainly by higher price trends of actual rentals paid by tenants in the housing and utilities division followed by recreation and culture, communication and clothing and footwear division.

Summary Table: Average % Change, 2016 - 2019				
Division	Annual Average % Change			
	2016	2017	2018	2019
All Items	(0.7)	2.0	3.3	5.7
Food & Non-alcoholic beverages	0.1	0.9	4.4	2.1
Alcoholic Beverages & Tobacco	0.6	2.8	(0.1)	2.6
Clothing & Footwear	0.7	2.2	(0.1)	4.2
Housing and Utilities	(2.7)	2.3	3.8	11.1
Household Furnishings and Equipment	(0.3)	3.4	2.3	2.4
Health	(0.1)	2.4	3.2	0.5
Transport	(1.7)	4.9	7.8	2.7
Communication	0.8	1.2	2.1	6.4
Recreation & Culture	1.3	0.6	0.8	7.0
Education	1.5	1.7	3.0	5.0
Restaurants & Hotels	1.5	2.2	(0.2)	2.6
Miscellaneous Goods & Services	0.7	(0.5)	0.7	0.5

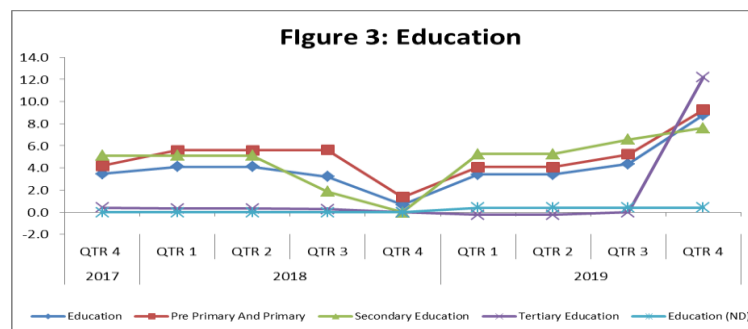
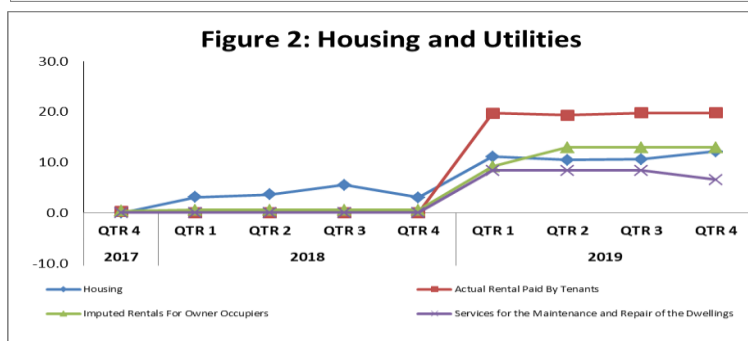
% change relative to the average index of the previous year

The rise in the fourth quarter CPI is traced to the following divisions:

**Transport:** the index for the division had an increase of **14.5** percent due to a significant rise in the average cost of *passenger transport by air* (34.9%), followed by the *purchase of motor vehicles* (16.7%); and *spare parts and accessories for personal transport equipment* (10.2%).

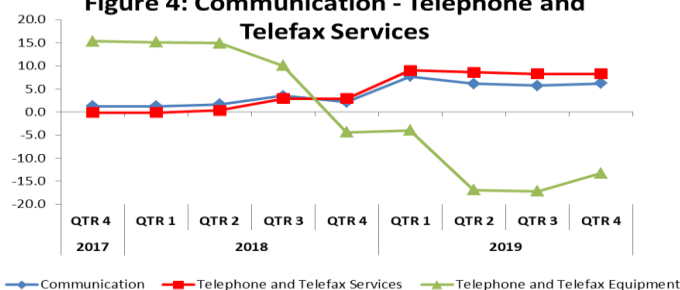


- Housing and Utilities:** this price index went up by **12.1** percent. There was a significant movement of 19.7 percent in the average prices of *actual rentals paid by tenants* and *imputed rentals for owner-occupiers* of 12.9 percent. The price index for *services for the maintenance and repair of the dwelling* also rose by 6.6 percent.
- Education:** this division showed an **8.8** percent increase as the fees for *tertiary education* rose by 12.2 percent compared to the same period in 2018. The average prices for *pre-primary and primary education* also rose by 9.3 percent followed by a 7.6 percent increase in the index for *secondary education*.

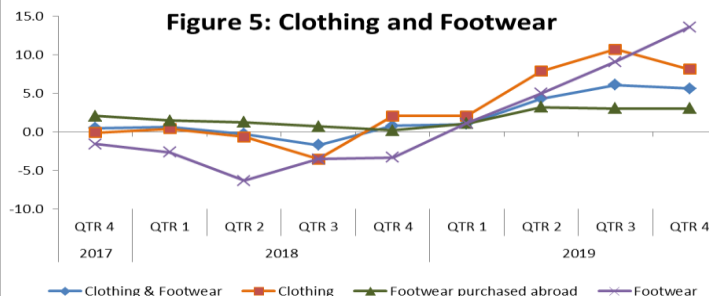


- Communication:** the index for this division moved up by **6.2** percent due to an increase in the average cost of *telephone and telefax services* (8.2%), while *telephone and telefax equipment* declined by 13.3 percent on average.
- Clothing and Footwear:** this price index was **5.6** percent higher when compared to the price index in the same quarter a year ago. The average prices for *locally purchased clothing and footwear* rose by 8.1 percent and 13.5 percent, respectively. *Footwear and clothing purchased abroad* rose by 3.0 percent and 0.7 percent, respectively.
- Recreation and Culture:** the price index for this division moved up by **5.1** percent largely due to an increase in *recreation and sporting services* (53.2%) and the average cost of *newspapers and periodicals* (41.7%).
- Restaurants and Hotels:** there was a **3.7** percent rise in the index for this division, traced mainly to the upward movement observed for *accommodation services (local & abroad)* of 4.9 percent and *restaurants, cafes and the like* rising by 4.3 percent.
- Alcoholic Beverages and Tobacco:** this division's price index increased by **3.3** percent. The average cost for *spirits and alcoholic cordials* moved up by 9.7 percent, *wine* by 4.7 percent, and *tobacco* by 2.3 percent.

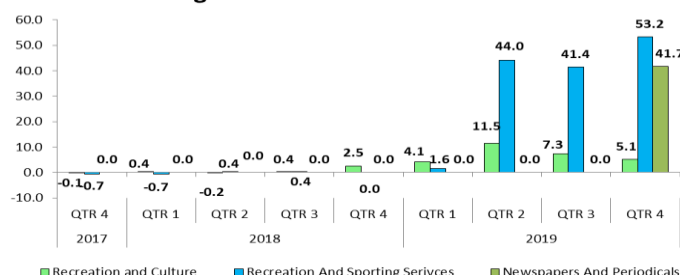
**Figure 4: Communication - Telephone and Telefax Services**



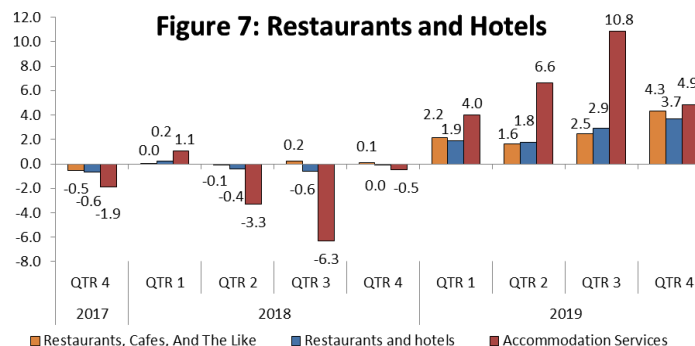
**Figure 5: Clothing and Footwear**



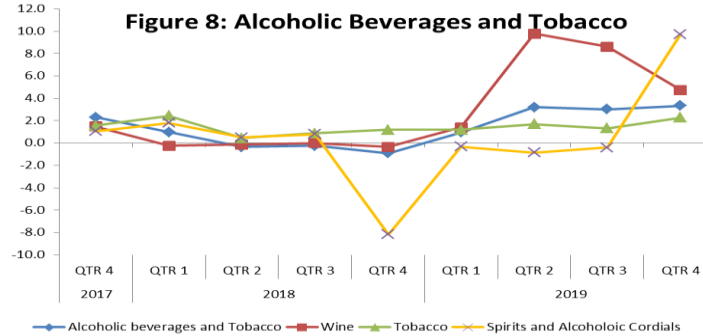
**Figure 6: Recreation and Culture**



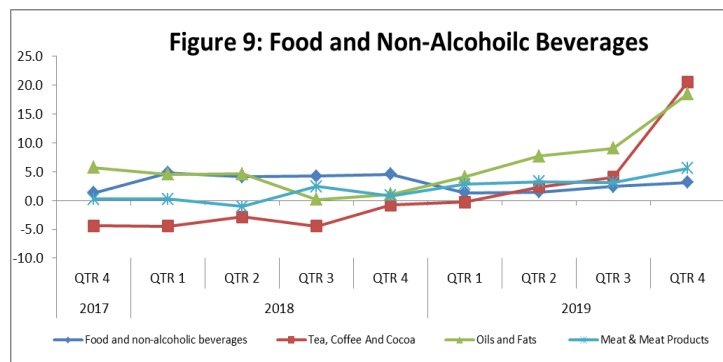
**Figure 7: Restaurants and Hotels**



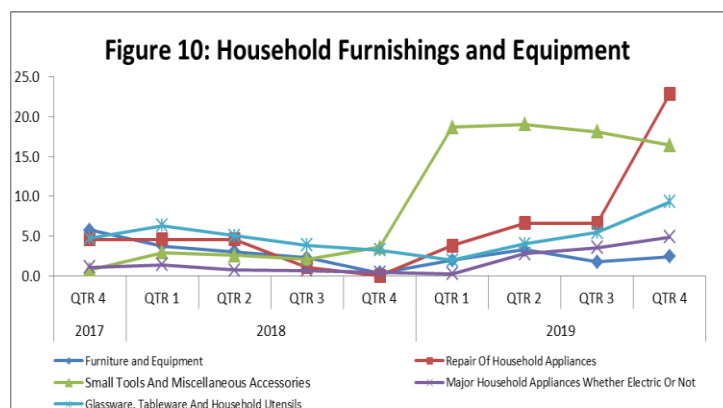
**Figure 8: Alcoholic Beverages and Tobacco**



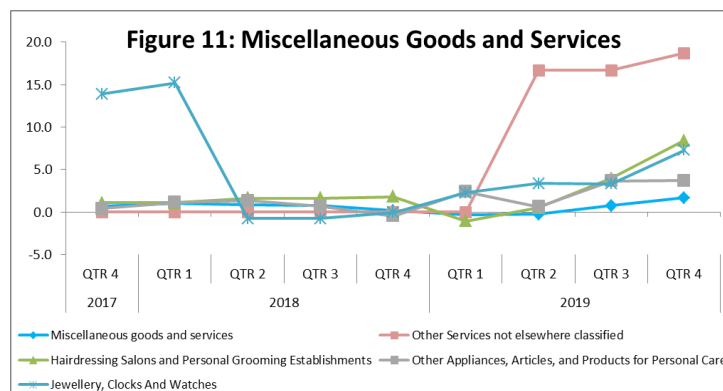
- Food and Non-Alcoholic Beverages:** division showed a 3.1 percent increase as the cost of *tea, coffee, and cocoa* rose by 20.5 percent and *oils and fats* by 18.4 percent when compared to the price index in the same quarter in 2018. The average prices for *meat & meat products* rose by 5.6 percent.



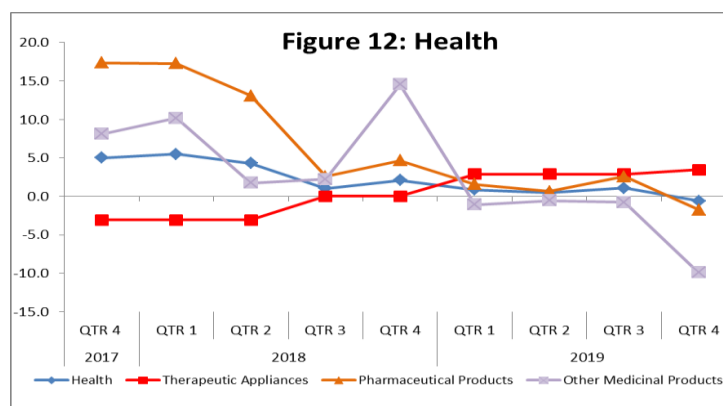
- Furnishings, household equipment, and routine household maintenance:** there was a 2.4 percent upward movement in this price index compared to a year ago. The prices of *repair of household appliances* rose by 22.8 percent, *small tools, and miscellaneous accessories* by 16.4 percent, *glassware, tableware, and household utensils* by 9.3 percent, and *small electrical household appliances* by 4.9 percent.



- Miscellaneous Goods and Services:** the index for this division recorded a 1.7 percent increase as a result of increased prices for *other services not elsewhere classified* such as legal services (18.7%), *hairdressing salons and personal grooming establishments* (8.4%), *jewellery and watches* (7.3%), and *other appliances, articles, and products for personal care* (3.7%).



- Health:** this division's price index decreased by 0.6 percent as the prices for *other medicinal products* and *pharmaceutical products* declined by 9.9 percent and 1.7 percent, respectively. However, the effect of the decline was tempered by the increase in the average cost for *therapeutic appliances and equipment* (3.5%).



Quarterly changes: December 2019 compared to September 2019

The CPI rose by **1.5 percent** compared to the third quarter of 2019, with the following divisions recording upward movement in their indices:

- **Transport:** the index rose by **9.0 percent**. The most significant price increases were recorded in the price index for the groups; *passenger transport by air* (19.4%), *other purchased transport services* (13.4%), and *purchase of motor vehicles* (11.9%). However, there were price reductions of 3.4 and 0.5 percent in the index for *other services in respect of personal transport equipment and maintenance and repair of personal transport equipment*.
- **Furnishings, household equipment, and routine household maintenance:** there was a **1.2 percent** increase in the index for this division. The largest increase of 15.2 percent was recorded for the index *repair of household appliances*, and the average prices of *glassware, tableware, and household utensils* moved up by 3.9 percent. The index for *small electric household appliances* and *household textiles* fell by 7.2 percent and 2.0, respectively.
- **Food & Non-Alcoholic Beverages:** an increase of **1.2 percent** was recorded for this division's price index. There was a 14.9 percent increase in average prices for *tea, coffee, and cocoa*, an 8.6 percent increase for *oils and fats*. *Fruits* rose by 2.7 percent. *Vegetables* went up by 1.5 percent. The rise in the prices was moderated by declines in the index for *fish and seafood; other food products not elsewhere specified*, and *sugar, sugar confectionery, and snacks*, each of which fell by 1.1, 0.3 percent and 0.2 percent, respectively.
- **Miscellaneous Goods and Services:** there was a **0.9 percent** rise in this division's index traced mainly to increases in *hairdressing salons and personal grooming establishments* of 4.5 percent, *jewellery and watches* by 3.8 percent, and *social protection* up by 2.9 percent. There was a fall in prices for *other appliances, articles, and products for personal care* (0.4%) and *other personal effects* (0.2%).
- **Restaurants and Hotels:** this index had a **0.7 percent** increase and was mainly the result of a 1.9 percent incline in the index for *restaurants, cafes, and the like*. While *accommodation services (local and abroad)* showed an average price decrease of 6.2 percent. *Canteens at educational establishments or work* recorded no movement.
- **Communication:** it was observed to have no change for the quarter. The prices for *telephone and telefax* and *telephone and telefax equipment* prices were constant.

The following divisions recorded downward movements in their indices when compared to the quarter ending June 2019:

- **Housing and Utilities:** there was a **1.0 percent** decrease in the index for this division, mainly the result of the fall of 4.9 for *electricity* and a 2.2 percent decline for *water supply*. The price index for the groups *services and materials for the maintenance and repair of the dwelling* also fell by 1.7 percent and 1.3 percent, respectively.

- Clothing and Footwear:** the index recorded a fall of **0.4** percent for the quarter under review. This reduction was due to a decline in *Clothing purchased locally* by 2.2 percent. However, the price of *footwear purchased locally* increased by 3.4 percent, followed by *clothing purchased abroad*, which went up by 0.7 percent. The index for *Footwear purchased abroad* was constant during the quarter under review.
- Recreation and Culture:** this index posted a **2.0** percent decrease and was primarily the result of a 17.0 percent decline in the index for *package holidays (abroad)* and a 7.1 percent fall in the index for *reception and recording equipment*. Despite the declines, there was a 41.7 percent rise in the index for *newspapers and periodicals*, an 18.3 percent increase in the index for *books*, and 8.3 percent *recreation and sporting services*.
- Alcoholic Beverages and Tobacco** recorded a **0.9** percent fall in its index. This was mainly due to a 3.5 percent decline in the index for *wine*. However, the index for *tobacco* mitigated the decline with an increase of 1.2 percent for the period under review.
- Health:** the index for this division recorded a **0.1** percent decrease. The downward movement was largely the result of a 0.6 percent fall in the index for *pharmaceutical products*. The effect of the decline was moderated by a 1.7 percent increase in the index for *other medicinal products*.

**Table 1: Quarterly Consumer Price Index and Inflation Rates**
**September 2016 = 100**

Year	Quarter Ending	INDEX	Percentage change in CPI:	
			3 months ago	1 year ago
2013	March	99.7	-0.1	1.4
	June	101.5	1.8	2.7
	September	101.0	-0.5	2.9
	December	101.5	0.5	1.7
2014	March	102.0	0.5	2.3
	June	102.2	0.2	0.7
	September	102.4	0.2	1.4
	December	102.1	-0.3	0.6
2015	March	101.6	-0.5	-0.4
	June	98.5	-3.1	-3.6
	September	99.5	1.0	-2.8
	December	99.6	0.1	-2.4
2016	March	98.8	-0.8	-2.8
	June	97.7	-1.1	-0.8
	September	100.0	2.4	0.5
	December	100.0	0.0	0.4
2017	March	100.2	0.2	1.4
	June	100.4	0.2	2.8
	September	101.4	1.0	1.4
	December	102.4	1.0	2.4
2018	March	103.5	1.0	3.2
	June	105.2	1.7	4.8
	September	105.0	-0.2	3.5
	December	104.2	-0.8	1.7
2019	March	108.1	3.8	4.5
	June	109.2 <sup>R</sup>	1.0	3.8
	September	111.3 <sup>R</sup>	1.9	6.0
	December	112.9	1.5	8.4

\* The CPI series from 2013 to June 2016 were re-based to September 2016.

R - Revised



**Table 2: Annual Averages 2000 to 2019**
**(September 2016 = 100)**

YEAR	INDEX	Percentage change from a year ago
2000	77.3	3.2
2001	78.2	1.2
2002	80.2	2.5
2003	80.6	0.5
2004	84.2	4.5
2005	90.4	7.3
2006	91.0	0.7
2007	93.7	2.9
2008	97.6	4.1
2009	96.1	-1.5
2010	96.4	0.3
2011	97.6	1.3
2012	98.8	1.2
2013	100.9	2.2
2014	102.2	1.2
2015	99.8	-2.3
2016	99.1	-0.7
2017	101.1	2.0
2018	104.5	3.3
2019	110.4	5.7



**TABLE 3: CONSUMER PRICE INDICES AND INFLATION BY DIVISIONS AND GROUPS - FOURTH QUARTER 2019**

Major Groups	Weight	Index			Percentage Change	
		Dec 18	Sept 19	Dec 19	3 months ago	1 year ago
<b>Overall</b>	<b>1,000.0</b>	<b>104.2</b>	<b>111.3</b>	<b>112.9</b>	<b>1.5</b>	<b>8.4</b>
<b>01 Food and non-alcoholic beverages</b>	<b>66.1</b>	<b>105.7</b>	<b>107.7</b>	<b>109.0</b>	<b>1.2</b>	<b>3.1</b>
Bread and Cereals	8.6	108.3	109.7	110.0	0.3	1.5
Meat & Meat Products	8.9	99.7	105.0	105.3	0.2	5.6
Fish and Seafood	3.0	112.7	119.6	118.3	-1.1	5.0
Milk, Cheese and Eggs	7.2	108.1	107.4	108.0	0.6	0.0
Oils and Fats	1.7	106.8	116.5	126.5	8.6	18.4
Fruits	6.7	115.6	112.7	115.7	2.7	0.1
Vegetables	8.4	107.6	108.9	110.5	1.5	2.7
Sugar, Sugar Confectionary and Snacks	3.1	100.7	102.8	102.6	-0.2	1.8
Other Food Products (Not Elsewhere Specified)	4.3	102.3	106.5	106.2	-0.3	3.8
Tea, Coffee and Cocoa	1.4	94.8	99.4	114.2	14.9	20.5
Mineral Waters, Soft Drinks, Fruit and Vegetable Juices	12.9	102.1	103.5	104.5	1.0	2.4
<b>02 Alcoholic beverages and tobacco</b>	<b>22.3</b>	<b>101.9</b>	<b>106.2</b>	<b>105.3</b>	<b>-0.9</b>	<b>3.3</b>
Spirits and Alcoholic Cordials	3.2	93.5	102.1	102.6	0.5	9.7
Wine	6.7	101.7	110.3	106.5	-3.5	4.7
Beer	8.5	104.1	104.9	104.7	-0.1	0.6
Tobacco	3.9	104.1	105.2	106.5	1.2	2.3
<b>03 Clothing &amp; Footwear</b>	<b>33.3</b>	<b>102.0</b>	<b>108.0</b>	<b>107.6</b>	<b>-0.4</b>	<b>5.6</b>
Clothing	14.4	102.9	113.7	111.2	-2.2	8.1
Footwear	3.9	96.9	106.4	110.0	3.4	13.5
Clothing purchased abroad	11.9	102.5	102.5	103.2	0.7	0.7
Footwear purchased abroad	3.0	101.8	104.9	104.9	0.0	3.0
<b>04 Housing, water, electricity, gas and other fuels</b>	<b>334.5</b>	<b>103.2</b>	<b>116.8</b>	<b>115.7</b>	<b>-1.0</b>	<b>12.1</b>
Actual Rentals paid by Tenants	85.7	101.6	121.7	121.7	0.0	19.7
Imputed Rentals for Owner Occupiers	170.3	100.8	113.8	113.8	0.0	12.9
Materials for the Maintenance and Repair of the Dwelling	2.5	102.3	103.9	102.5	-1.3	0.2
Services for the Maintenance and Repair of the Dwelling	1.1	100.0	108.4	106.6	-1.7	6.6
Water Supply	18.7	101.6	98.2	96.0	-2.2	-5.5
Electricity	54.7	113.8	126.3	120.1	-4.9	5.5
Gas (LPG/Propane)	1.5	100.3	99.0	99.6	0.5	-0.8
<b>05 Furnishings, household equipment and routine household maintenance</b>	<b>42.7</b>	<b>106.5</b>	<b>107.7</b>	<b>109.0</b>	<b>1.2</b>	<b>2.4</b>
Furniture and Furnishings	8.7	114.8	110.2	111.8	1.5	-2.6
Household Textiles	2.2	98.6	97.7	95.8	-2.0	-2.9
Major Household Appliances	4.6	101.8	105.0	106.8	1.6	4.9
Small Electric Household Appliances	1.0	105.2	109.2	101.3	-7.2	-3.7
Repair of Household Appliances	2.2	104.6	111.5	128.5	15.2	22.8
Glassware, Tableware and Household Utensils	1.8	109.1	114.8	119.3	3.9	9.3
Small Tools and Miscellaneous Accessories	1.6	104.4	121.7	121.6	-0.1	16.4
Non-Durable Household Goods	11.9	108.6	110.7	110.6	0.0	1.8
Employed Staff (Paid Staff Privately Employed)	8.6	100.0	100.0	100.0	0.0	0.0
<b>06 Health</b>	<b>20.9</b>	<b>107.6</b>	<b>107.0</b>	<b>106.9</b>	<b>-0.1</b>	<b>-0.6</b>
Pharmaceutical Products	6.1	124.1	122.6	121.9	-0.6	-1.7
Other Medicinal Products	0.6	123.8	109.7	111.6	1.7	-9.9
Therapeutic Appliances and Equipment	2.1	96.9	99.7	100.3	0.6	3.5
Medical Services	5.2	100.0	100.0	100.0	0.0	0.0
Dental Services	1.7	100.0	100.0	100.0	0.0	0.0
Paramedical Services	1.0	100.0	100.0	100.0	0.0	0.0
Hospital Services	4.2	100.7	100.7	100.7	0.0	0.0

Major Groups	Weight	Index			Percentage Change	
		Dec 18	Sept 19	Dec 19	3 months ago	1 year ago
<b>07 Transport</b>	<b>162.0</b>	<b>111.4</b>	<b>117.1</b>	<b>127.6</b>	<b>9.0</b>	<b>14.5</b>
Purchase of Motor Vehicles	35.8	98.3	102.5	114.7	11.9	16.7
Spare Parts and Accessories for Personal Transport Equipment	4.8	107.7	118.2	118.7	0.5	10.2
Fuels	43.4	111.0	111.2	111.1	0.0	0.2
Maintenance and Repair of Personal Transport Equipment	12.9	124.5	120.7	120.1	-0.5	-3.5
Other Services In Respect of Personal Transport Equipment	11.9	98.0	100.8	97.4	-3.4	-0.7
Passenger Transport by Road	3.0	100.0	99.5	103.1	3.7	3.1
Passenger Transport by Air	46.8	123.2	139.2	166.2	19.4	34.9
Other Purchased Transport Services	3.4	105.2	97.5	110.6	13.4	5.1
<b>08 Communication</b>	<b>39.1</b>	<b>103.4</b>	<b>109.9</b>	<b>109.9</b>	<b>0.0</b>	<b>6.2</b>
Telephone and Telefax Equipment	3.4	110.3	95.6	95.6	0.0	-13.3
Telephone and Telefax Services	35.7	102.8	111.2	111.2	0.0	8.2
<b>09 Recreation and Culture</b>	<b>59.2</b>	<b>101.0</b>	<b>108.3</b>	<b>106.1</b>	<b>-2.0</b>	<b>5.1</b>
Reception and Recording Equipment	2.3	102.6	83.3	77.4	-7.1	-24.5
Information Processing Equipment	1.9	115.0	128.6	128.6	0.0	11.8
Recording Media (Audio Visual, Media)	0.5	103.5	107.1	108.9	1.6	5.3
Major Durables for Outdoor Recreation	2.8	100.4	104.6	102.0	-2.6	1.5
Games, Toys and Hobbies	1.3	95.0	112.9	110.5	-2.1	16.2
Equipment for Sport, Camping and Open-Air Recreation	1.5	107.8	103.2	102.9	-0.2	-4.5
Gardens, Plants and Flowers	1.3	99.6	101.6	102.4	0.7	2.8
Pets and Related Products	3.1	100.8	113.0	113.0	0.0	12.1
Veterinary and Other Services For Pets	3.8	100.0	87.5	87.5	0.0	-12.5
Recreation and Sporting Services	8.9	99.3	140.5	152.2	8.3	53.2
Cultural Services	17.2	100.0	98.0	95.7	-2.4	-4.3
Books	1.3	100.5	64.7	76.5	18.3	-23.8
Newspapers and Periodicals	1.3	100.0	100.0	141.7	41.7	41.7
Package Holidays (Abroad)	12.2	101.5	113.4	94.1	-17.0	-7.3
<b>10 Education</b>	<b>38.2</b>	<b>104.1</b>	<b>108.7</b>	<b>113.3</b>	<b>4.2</b>	<b>8.8</b>
Pre Primary and Primary Education	18.1	105.6	111.2	115.4	3.8	9.3
Secondary Education	10.5	105.1	112.0	113.1	1.0	7.6
Tertiary Education	7.1	100.4	100.4	112.7	12.2	12.2
Education Not Definable by Level	2.5	100.0	100.4	100.4	0.0	0.4
<b>11 Restaurants and Hotels</b>	<b>83.5</b>	<b>98.9</b>	<b>101.8</b>	<b>102.5</b>	<b>0.7</b>	<b>3.7</b>
Restaurants, Cafes and the Like	64.3	99.6	101.9	103.9	1.9	4.3
Canteens at Educational Establishments Or Work	8.8	100.5	98.4	98.4	0.0	-2.1
Accommodation Services (Local & Abroad)	10.3	93.1	104.0	97.6	-6.2	4.9
<b>12 Miscellaneous Goods and Services</b>	<b>98.2</b>	<b>100.9</b>	<b>101.7</b>	<b>102.6</b>	<b>0.9</b>	<b>1.7</b>
Hairdressing Salons and Personal Grooming Establishments	12.8	102.9	106.9	111.6	4.5	8.4
Other Appliances, Articles and Products for Personal Care	15.6	99.6	103.7	103.3	-0.4	3.7
Jewellery and Watches	2.3	113.9	117.6	122.2	3.8	7.3
Other Personal Effects	1.9	114.1	96.0	95.8	-0.2	-16.0
Social Protection	5.6	102.7	105.4	108.5	2.9	5.6
Housing Contents Insurance	3.1	103.6	103.6	103.6	0.0	0.0
Health Insurance	33.6	100.1	98.5	98.5	0.0	-1.6
Vehicle Insurance	11.7	97.1	96.7	96.7	0.0	-0.4
Other Financial Services	7.8	100.0	96.3	96.3	0.0	-3.7
Other Services Not Elsewhere Classified	3.9	100.0	116.7	118.7	1.7	18.7

**TABLE 4: CONSUMER PRICE INDEX, AVERAGES BY MAJOR GROUPS  
(SEPTEMBER 2016=100)**

PERIOD / DIVISION	Food & Non-alcoholic beverages	Alcoholic Beverages & Tobacco	Clothing & Footwear	Housing and Utilities	Household Furnishings & Equipment	Health	Transport	Communication	Recreation & Culture	Education	Restaurants & Hotels	Miscellaneous Goods & Services	ALL ITEMS
<b>WEIGHT</b>	<b>66.1</b>	<b>22.3</b>	<b>33.3</b>	<b>334.5</b>	<b>42.7</b>	<b>20.9</b>	<b>162.0</b>	<b>39.1</b>	<b>59.2</b>	<b>38.2</b>	<b>83.5</b>	<b>98.2</b>	<b>1000</b>
<b>2015</b>													
MARCH	99.9	99.1	97.3	105.9	100.7	100.8	105.5	97.3	97.6	96.3	95.8	99.0	101.6
JUNE	98.8	99.4	98.8	98.1	100.5	100.5	98.3	99.4	97.6	98.0	93.7	99.5	98.5
SEPTEMBER	99.7	99.5	100.2	99.5	100.5	100.6	100.8	99.5	97.5	98.8	93.8	100.2	99.5
DECEMBER	99.9	99.6	100.2	99.1	100.5	100.5	98.9	99.5	97.1	98.8	99.0	100.9	99.6
<b>ANNUAL AVERAGE 2015</b>	<b>99.6</b>	<b>99.4</b>	<b>99.1</b>	<b>100.7</b>	<b>100.6</b>	<b>100.6</b>	<b>100.9</b>	<b>98.9</b>	<b>97.4</b>	<b>98.0</b>	<b>95.6</b>	<b>99.9</b>	<b>99.8</b>
<b>2016</b>													
MARCH	100.2	99.7	99.2	96.5	100.3	100.7	98.4	99.5	97.0	98.8	95.8	102.8	98.8
JUNE	98.7	99.7	99.3	95.2	100.5	100.7	98.4	99.5	99.5	98.8	92.7	99.8	97.7
SEPTEMBER	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DECEMBER	99.8	100.5	100.7	100.2	100.3	100.3	100.1	100.0	98.5	100.0	99.5	100.0	100.0
<b>ANNUAL AVERAGE 2016</b>	<b>99.7</b>	<b>100.0</b>	<b>99.8</b>	<b>98.0</b>	<b>100.3</b>	<b>100.4</b>	<b>99.2</b>	<b>99.8</b>	<b>98.7</b>	<b>99.4</b>	<b>97.0</b>	<b>100.6</b>	<b>99.1</b>
<b>2017</b>													
MARCH	99.7	101.7	101.5	100.2	102.6	99.8	101.3	100.0	97.9	100.0	99.1	99.7	100.2
JUNE	100.6	103.3	101.9	100.4	102.7	101.5	99.3	102.2	100.4	100.0	99.3	100.0	100.4
SEPTEMBER	100.8	103.3	103.6	100.1	103.5	104.7	105.0	100.3	100.5	100.9	99.5	100.1	101.4
DECEMBER	101.1	102.8	101.2	100.2	106.1	105.4	110.8	101.3	98.5	103.5	98.9	100.7	102.4
<b>ANNUAL AVERAGE 2017</b>	<b>100.6</b>	<b>102.8</b>	<b>102.0</b>	<b>100.2</b>	<b>103.7</b>	<b>102.8</b>	<b>104.1</b>	<b>100.9</b>	<b>99.3</b>	<b>101.1</b>	<b>99.2</b>	<b>100.1</b>	<b>101.1</b>
<b>2018</b>													
MARCH	104.5	102.7	102.2	103.3	106.4	105.3	108.9	101.2	98.3	104.1	99.3	100.7	103.5
JUNE	104.8	102.9	101.6	104.0	105.8	105.8	116.9	103.9	100.2	104.1	98.9	100.8	105.2
SEPTEMBER	105.1	103.1	101.9	105.6	105.9	105.8	111.7	103.9	100.9	104.1	98.9	100.9	105.0
DECEMBER	105.7	101.9	102.0	103.2	106.5	107.6	111.4	103.4	101.0	104.1	98.9	100.9	104.2
<b>ANNUAL AVERAGE 2018</b>	<b>105.0</b>	<b>102.6</b>	<b>101.9</b>	<b>104.0</b>	<b>106.1</b>	<b>106.1</b>	<b>112.2</b>	<b>103.1</b>	<b>100.1</b>	<b>104.1</b>	<b>99.0</b>	<b>100.8</b>	<b>104.5</b>
<b>2019</b>													
MARCH	105.9	103.7	103.2	114.8	108.5	106.2	107.2	109.0	102.3	107.7	101.2	100.4	108.1
JUNE	106.3	106.2	106.0	114.9	109.3	106.3	109.0	110.2	111.7	107.7	100.7	100.6	109.2
SEPTEMBER	107.7	106.2	108.0	116.8	107.7	107.0	117.1	109.9	108.3	108.7	101.8	101.7	111.3
DECEMBER	109.0	105.3	107.6	115.7	109.0	106.9	127.6	109.9	106.1	113.3	102.5	102.6	112.9
<b>ANNUAL AVERAGE 2019</b>	<b>107.2</b>	<b>105.3</b>	<b>106.2</b>	<b>115.5</b>	<b>108.7</b>	<b>106.6</b>	<b>115.2</b>	<b>109.7</b>	<b>107.1</b>	<b>109.3</b>	<b>101.6</b>	<b>101.3</b>	<b>110.4</b>
<b>% CHANGE OVER PREV YEAR</b>	<b>3.1</b>	<b>3.3</b>	<b>5.6</b>	<b>12.1</b>	<b>2.4</b>	<b>-0.6</b>	<b>14.5</b>	<b>6.2</b>	<b>5.1</b>	<b>8.8</b>	<b>3.7</b>	<b>1.7</b>	<b>8.4</b>
<b>% CHANGE OVER PREV QTR</b>	<b>1.2</b>	<b>-0.9</b>	<b>-0.4</b>	<b>-1.0</b>	<b>1.2</b>	<b>-0.1</b>	<b>9.0</b>	<b>0.0</b>	<b>-2.0</b>	<b>4.2</b>	<b>0.7</b>	<b>0.9</b>	<b>1.5</b>
<b>ANNUAL AVERAGE % CHANGE 2015</b>	<b>1.6</b>	<b>0.6</b>	<b>3.0</b>	<b>-6.9</b>	<b>0.2</b>	<b>0.3</b>	<b>-4.8</b>	<b>3.3</b>	<b>1.5</b>	<b>3.8</b>	<b>-1.5</b>	<b>-0.8</b>	<b>-2.3</b>
<b>ANNUAL AVERAGE % CHANGE 2016</b>	<b>0.1</b>	<b>0.6</b>	<b>0.7</b>	<b>-2.7</b>	<b>-0.3</b>	<b>-0.1</b>	<b>-1.7</b>	<b>0.8</b>	<b>1.3</b>	<b>1.5</b>	<b>1.5</b>	<b>0.7</b>	<b>-0.7</b>
<b>ANNUAL AVERAGE % CHANGE 2017</b>	<b>0.9</b>	<b>2.8</b>	<b>2.2</b>	<b>2.3</b>	<b>3.4</b>	<b>2.4</b>	<b>4.9</b>	<b>1.2</b>	<b>0.6</b>	<b>1.7</b>	<b>2.2</b>	<b>-0.5</b>	<b>2.0</b>
<b>ANNUAL AVERAGE % CHANGE 2018</b>	<b>4.4</b>	<b>-0.1</b>	<b>-0.1</b>	<b>3.8</b>	<b>2.3</b>	<b>3.2</b>	<b>7.8</b>	<b>2.1</b>	<b>0.8</b>	<b>3.0</b>	<b>-0.2</b>	<b>0.7</b>	<b>3.3</b>
<b>ANNUAL AVERAGE % CHANGE 2019</b>	<b>2.1</b>	<b>2.6</b>	<b>4.2</b>	<b>11.1</b>	<b>2.4</b>	<b>0.5</b>	<b>2.7</b>	<b>6.4</b>	<b>7.0</b>	<b>5.0</b>	<b>2.6</b>	<b>0.5</b>	<b>5.7</b>

**TABLE 5: Average Prices of Selected Items  
Quarter Ending December 2019**

Item	Quantity	Average Prices		
		Dec 18	Sept 19	Dec 19
Sliced Brown Bread	20 oz	2.87	2.93	2.88
Enriched Parboiled Long Grain Rice	5 lb	9.62	9.96	9.96
Cornflakes (original)	24 oz	5.76	6.89	6.79
Stew Beef	per lb	5.29	5.28	5.59
Corned Beef - regular	340 g	4.49	4.89	4.89
Salmon Steaks - Fresh	per lb	12.89	13.48	12.08
Canned Tuna in water	5 oz	1.69	1.74	1.74
Eggs (Grade A Extra Large)	1 doz	3.23	2.91	3.07
Butter - Salted	227 g	4.42	5.02	5.96
Condensed Milk	395 g	2.02	2.02	2.02
Vegetable Oil	48 oz	5.96	6.52	6.36
Plantain	per lb	1.12	1.36	1.49
Potatoes - Irish	5lb bag	4.09	4.39	4.30
Lettuce - Iceberg	each	3.92	2.82	2.93
Sweet Potatoes	per lb	3.05	3.05	3.55
Tomatoes - Slicing	per lb	3.25	3.12	3.29
Bananas - Ripe	per lb	0.91	0.99	1.05
Apple - Red Delicious	per lb	2.25	1.98	2.37
Grapes - Red Seedless	per lb	3.72	4.22	3.92
Tea - 100% Natural	100 bags	5.69	6.67	7.82
Coffee - Instant -Classic Roast - Bottle	7 oz	8.12	8.12	8.12
Soda	20 oz	1.24	1.24	1.24
Cane Sugar	4 lb	2.59	2.59	2.59
Iodized Salt	26 oz	1.19	1.19	1.22
Petrol - Regular Full Service	per gal	4.63	4.58	4.61
Petrol - Premium Full Service	per gal	4.87	4.95	4.91
Diesel - Full Service	per gal	4.53	4.48	4.52

**Table 6: Annual Core Consumer Price Index  
and Inflation Rates\***

**September 2016 = 100**

<b>Period</b>	<b>INDEX</b>	<b>Percentage change 1 year ago</b>
Dec-16	100.1	0.1
Dec-17	102.7	2.5
Dec-18	103.1	0.4
Dec-19	112.9	9.5

**\*CPI Inflation excluding food, gas piped and electricity,  
fuel oil and other household fuels, and motor fuels.**

**Table 7: Quartely Core Consumer Price Index and Inflation Rates**
**September 2016 = 100**

Year	Quarter Ending	INDEX	Percentage change in CPI:	
			3 months ago	1 year ago
2016	September	100.0	-	-
	December	100.1	0.1	-
2017	March	100.4	0.2	-
	June	100.3	-0.1	-
	September	101.6	1.3	1.6
	December	102.7	1.1	2.5
2018	March	102.5	-0.2	2.1
	June	103.9	1.4	3.6
	September	102.9	-1.0	1.3
	December	103.1	0.2	0.4
2019	March	107.5	4.3	4.8
	June	109.1 <sup>R</sup>	1.5	5.0
	September	110.6 <sup>R</sup>	1.4	7.5
	December	112.9	2.0	9.5

**TABLE 8: CORE CONSUMER PRICE INDICES AND INFLATION BY DIVISIONS AND GROUPS - FOURTH QUARTER 2019**

Major Groups	Weight	Dec 18	Sep 19	Dec 19	Percentage Change	
					3 months ago	1 year ago
<b>Overall</b>	<b>834.3</b>	<b>103.1</b>	<b>110.6</b>	<b>112.9</b>	<b>2.0</b>	<b>9.5</b>
<b>01 Food and non-alcoholic beverages</b>	-	-	-	-	-	-
Bread and Cereals	-	-	-	-	-	-
Meat & Meat Products	-	-	-	-	-	-
Fish and Seafood	-	-	-	-	-	-
Milk, Cheese and Eggs	-	-	-	-	-	-
Oils and Fats	-	-	-	-	-	-
Fruits	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Sugar, Sugar Confectionary and Snacks	-	-	-	-	-	-
Other Food Products (Not Elsewhere Specified)	-	-	-	-	-	-
Tea, Coffee and Cocoa	-	-	-	-	-	-
Mineral Waters, Soft Drinks, Fruit and Vegetable Juices	-	-	-	-	-	-
<b>02 Alcoholic beverages and tobacco</b>	<b>22.3</b>	<b>101.9</b>	<b>106.2</b>	<b>105.3</b>	<b>-0.9</b>	<b>3.3</b>
Spirits and Alcoholic Cordials	3.2	93.5	102.1	102.6	0.5	9.7
Wine	6.7	101.7	110.3	106.5	-3.5	4.7
Beer	8.5	104.1	104.9	104.7	-0.1	0.6
Tobacco	3.9	104.1	105.2	106.5	1.2	2.3
<b>03 Clothing &amp; Footwear</b>	<b>33.3</b>	<b>102.0</b>	<b>108.0</b>	<b>107.6</b>	<b>-0.4</b>	<b>5.6</b>
Clothing	14.4	102.9	113.7	111.2	-2.2	8.1
Footwear	3.9	96.9	106.4	110.0	3.4	13.5
Clothing purchased abroad	11.9	102.5	102.5	103.2	0.7	0.7
Footwear purchased abroad	3.0	101.8	104.9	104.9	0.0	3.0
<b>04 Housing, water, electricity, gas and other fuels</b>	<b>278.3</b>	<b>101.1</b>	<b>115.0</b>	<b>114.9</b>	<b>-0.1</b>	<b>13.6</b>
Actual Rentals paid by Tenants	85.7	101.6	121.7	121.7	0.0	19.7
Imputed Rentals for Owner Occupiers	170.3	100.8	113.8	113.8	0.0	12.9
Materials for the Maintenance and Repair of the Dwelling	2.5	102.3	103.9	102.5	-1.3	0.2
Services for the Maintenance and Repair of the Dwelling	1.1	100.0	108.4	106.6	-1.7	6.6
Water Supply	18.7	101.6	98.2	96.0	-2.2	-5.5
Electricity	-	-	-	-	-	-
Gas (LPG/Propane)	-	-	-	-	-	-
<b>05 Furnishings, household equipment and routine household maintenance</b>	<b>42.7</b>	<b>106.5</b>	<b>107.7</b>	<b>109.0</b>	<b>1.2</b>	<b>2.4</b>
Furniture and Furnishings	8.7	114.8	110.2	111.8	1.5	-2.6
Household Textiles	2.2	98.6	97.7	95.8	-2.0	-2.9
Major Household Appliances	4.6	101.8	105.0	106.8	1.6	4.9
Small Electric Household Appliances	1.0	105.2	109.2	101.3	-7.2	-3.7
Repair of Household Appliances	2.2	104.6	111.5	128.5	15.2	22.8
Glassware, Tableware and Household Utensils	1.8	109.1	114.8	119.3	3.9	9.3
Small Tools and Miscellaneous Accessories	1.6	104.4	121.7	121.6	-0.1	16.4
Non-Durable Household Goods	11.9	108.6	110.7	110.6	0.0	1.8
Employed Staff (Paid Staff Privately Employed)	8.6	100.0	100.0	100.0	0.0	0.0
<b>06 Health</b>	<b>20.9</b>	<b>107.6</b>	<b>107.0</b>	<b>106.9</b>	<b>-0.1</b>	<b>-0.6</b>
Pharmaceutical Products	6.1	124.1	122.6	121.9	-0.6	-1.7
Other Medicinal Products	0.6	123.8	109.7	111.6	1.7	-9.9
Therapeutic Appliances and Equipment	2.1	96.9	99.7	100.3	0.6	3.5
Medical Services	5.2	100.0	100.0	100.0	0.0	0.0
Dental Services	1.7	100.0	100.0	100.0	0.0	0.0
Paramedical Services	1.0	100.0	100.0	100.0	0.0	0.0
Hospital Services	4.2	100.7	100.7	100.7	0.0	0.0



Major Groups	Weight	Dec 18	Sep 19	Dec 19	Percentage Change	
					3 months ago	1 year ago
<b>07 Transport</b>	<b>118.6</b>	<b>111.6</b>	<b>119.2</b>	<b>133.6</b>	<b>12.1</b>	<b>19.8</b>
Purchase of Motor Vehicles	35.8	98.3	102.5	114.7	11.9	16.7
Spare Parts and Accessories for Personal Transport Equipment	4.8	107.7	118.2	118.7	0.5	10.2
<b>Fuels</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Maintenance and Repair of Personal Transport Equipment	12.9	124.5	120.7	120.1	-0.5	-3.5
Other Services In Respect of Personal Transport Equipment	11.9	98.0	100.8	97.4	-3.4	-0.7
Passenger Transport by Road	3.0	100.0	99.5	103.1	3.7	3.1
Passenger Transport by Air	46.8	123.2	139.2	166.2	19.4	34.9
Other Purchased Transport Services	3.4	105.2	97.5	110.6	13.4	5.1
<b>08 Communication</b>	<b>39.1</b>	<b>103.4</b>	<b>109.9</b>	<b>109.9</b>	<b>0.0</b>	<b>6.2</b>
Telephone and Telefax Equipment	3.4	110.3	95.6	95.6	0.0	-13.3
Telephone and Telefax Services	35.7	102.8	111.2	111.2	0.0	8.2
<b>09 Recreation and Culture</b>	<b>59.2</b>	<b>101.0</b>	<b>108.3</b>	<b>106.1</b>	<b>-2.0</b>	<b>5.1</b>
Reception and Recording Equipment	2.3	102.6	83.3	77.4	-7.1	-24.5
Information Processing Equipment	1.9	115.0	128.6	128.6	0.0	11.8
Recording Media (Audio Visual, Media)	0.5	103.5	107.1	108.9	1.6	5.3
Major Durables for Outdoor Recreation	2.8	100.4	104.6	102.0	-2.6	1.5
Games, Toys and Hobbies	1.3	95.0	112.9	110.5	-2.1	16.2
Equipment for Sport, Camping and Open-Air Recreation	1.5	107.8	103.2	102.9	-0.2	-4.5
Gardens, Plants and Flowers	1.3	99.6	101.6	102.4	0.7	2.8
Pets and Related Products	3.1	100.8	113.0	113.0	0.0	12.1
Veterinary and Other Services For Pets	3.8	100.0	87.5	87.5	0.0	-12.5
Recreation and Sporting Services	8.9	99.3	140.5	152.2	8.3	53.2
Cultural Services	17.2	100.0	98.0	95.7	-2.4	-4.3
Books	1.3	100.5	64.7	76.5	18.3	-23.8
Newspapers and Periodicals	1.3	100.0	100.0	141.7	41.7	41.7
Package Holidays (Abroad)	12.2	101.5	113.4	94.1	-17.0	-7.3
<b>10 Education</b>	<b>38.2</b>	<b>104.1</b>	<b>108.7</b>	<b>113.3</b>	<b>4.2</b>	<b>8.8</b>
Pre Primary and Primary Education	18.1	105.6	111.2	115.4	3.8	9.3
Secondary Education	10.5	105.1	112.0	113.1	1.0	7.6
Tertiary Education	7.1	100.4	100.4	112.7	12.2	12.2
Education Not Definable by Level	2.5	100.0	100.4	100.4	0.0	0.4
<b>11 Restaurants and Hotels</b>	<b>83.5</b>	<b>98.9</b>	<b>101.8</b>	<b>102.5</b>	<b>0.7</b>	<b>3.7</b>
Restaurants, Cafes and the Like	64.3	99.6	101.9	103.9	1.9	4.3
Canteens at Educational Establishments Or Work	8.8	100.5	98.4	98.4	0.0	-2.1
Accommodation Services (Local & Abroad)	10.3	93.1	104.0	97.6	-6.2	4.9
<b>12 Miscellaneous Goods and Services</b>	<b>98.2</b>	<b>100.9</b>	<b>101.7</b>	<b>102.6</b>	<b>0.9</b>	<b>1.7</b>
Hairdressing Salons and Personal Grooming Establishments	12.8	102.9	106.9	111.6	4.5	8.4
Other Appliances, Articles and Products for Personal Care	15.6	99.6	103.7	103.3	-0.4	3.7
Jewellery and Watches	2.3	113.9	117.6	122.2	3.8	7.3
Other Personal Effects	1.9	114.1	96.0	95.8	-0.2	-16.0
Social Protection	5.6	102.7	105.4	108.5	2.9	5.6
Housing Contents Insurance	3.1	103.6	103.6	103.6	0.0	0.0
Health Insurance	33.6	100.1	98.5	98.5	0.0	-1.6
Vehicle Insurance	11.7	97.1	96.7	96.7	0.0	-0.4
Other Financial Services	7.8	100.0	96.3	96.3	0.0	-3.7
Other Services Not Elsewhere Classified	3.9	100.0	116.7	118.7	1.7	18.7

## NOTES ON THE INDEX COMPILATION

### 1. CPI Revision

The report includes revision in the CPI estimate as follow:

#### Revised Indices June and September 2019

Year	Quarter Ending		INDEX	
			Previous	Revised
2019	June	All items	109.2	109.2
		Education	105.9	107.7
	September	All items	111.2	112.9
		Education	106.9	108.7

The slight change in the index was due to correction in the price data for Education.

### 2. Data collection

This report uses the 2016 CPI basket based on the results of the 2015 Household Budget Survey (HBS) as updated between August 2016 and August 2017. The goods and services in the basket are classified into twelve (12) divisions using the United Nations' Classification of Individual Consumption According to Purpose (COICOP). In all, there are **2,227** items (7th-digit COICOP level) included in the basket collected from **203** providers/outlets in Grand Cayman, compared to 2008, when there were **1,647** items collected from **147** providers/outlets. The items are classified as follows:

**Summary Table: Number of Items and Weights for the CPI Baskets of 2008 and 2016**

	2008		2016	
	Number of Items	Weights	Number of Items	Weights
<b>Total</b>	<b>1,647</b>	<b>1,000</b>	<b>2,227</b>	<b>1,000</b>
<b>01.</b> Food & Non Alcoholic Beverage	540	79.6	551	66.1
<b>02.</b> Alcohol and Tobacco	66	6.5	153	22.3
<b>03.</b> Clothing and Footwear	153	34.3	273	33.3
<b>04.</b> Housing and Utilities	59	394.4	153	334.5
<b>05.</b> Household Equipment	212	56.4	316	42.7
<b>06.</b> Health	111	24.2	124	20.9
<b>07.</b> Transport	107	96.1	198	162.0
<b>08.</b> Communication	62	69.7	40	39.1
<b>09.</b> Recreation and Culture	75	40.5	94	59.2
<b>10.</b> Education	18	27.9	46	38.2
<b>11.</b> Restaurants and Hotels	57	40.2	103	83.5
<b>12.</b> Miscellaneous Goods and Services	187	130.2	176	98.2

All price indices for goods and services purchased abroad were taken from price indices published by the US Bureau of Labour Statistics.

ESO collection periods and price averaging methodologies follow updated international standards, in particular, the *Consumer Price Index Manual: Theory and Practice* (August 2004) published by the International Labour Organization (ILO). Prices of selected items are collected every second month of the quarter. Vulnerable items which change monthly, such as vegetables and fruits, fish and meat, and gas, are collected on a monthly basis. Prices across outlets are averaged using the geometric mean formula to reduce the impact of extreme or outlier prices (please see below).

### 3. CPI formula

The CPI is computed using Lowe's formula. The Lowe indices are one of the widest and popular classes of price indices, which is obtained by defining the index as the percentage change between the periods compared, in the total cost of purchasing a given set of quantities, generally described as a "basket."<sup>1</sup> The Lowe index,  $P_{Lo}$ , is defined as follows<sup>2</sup>:

$$P_{Lo} = \frac{\sum_{i=1}^n p_i^t q_i}{\sum_{i=1}^n p_i^0 q_i}$$

<sup>1</sup> ILO by 2004, p. 2). Consumer price index manual

<sup>2</sup> Ibid, p.3

Where  $n$  = number of products in the basket with prices  $p_i$  and quantities  $q_i$

$0$  = base period

$t$  = later period being compared

### Geometric mean

The price  $p = [p_1, p_2, \dots, p_n]$  for each item from different outlets is the average of prices of the outlets using geometric mean or the formula:

$$p = \left( \prod_{i=1}^n p_i \right)^{1/n} = \sqrt[n]{p_1, p_2, \dots, p_n}$$

**Inflation:** this refers to the percentage change in the Consumer Price Index from one period to another. Typically, this period would be a year or a quarter.

**Annual Inflation Rate:** the percentage change of the CPI in the quarter under review over the CPI of the same quarter a year ago. This is also known as the **year-on-year inflation rate**.

**Quarterly Inflation Rate:** the percentage change of the CPI in the quarter under review over the most previous quarter. This is also known as the **quarter-on-quarter inflation rate**.