



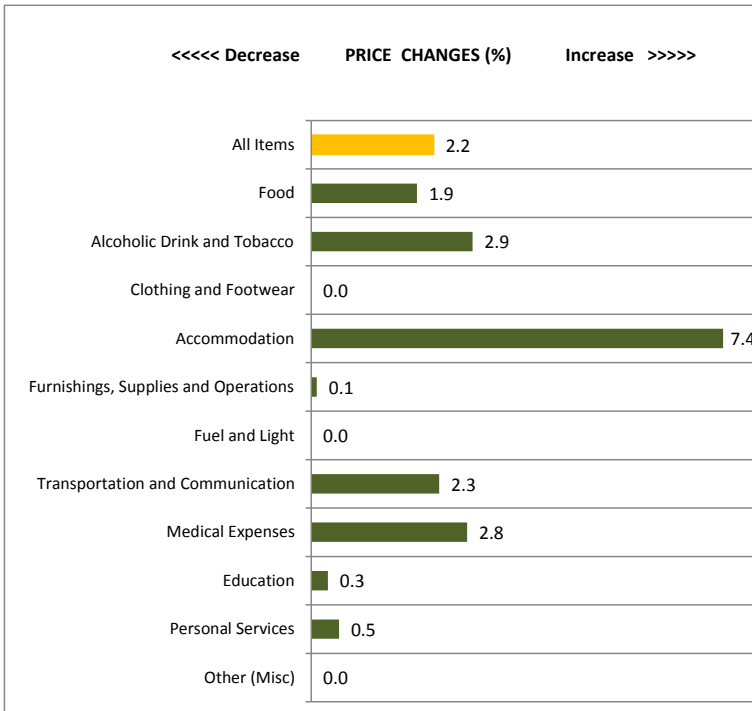
# Antigua and Barbuda CONSUMER PRICE INDEX



Release date: 19 Feb 2018

## Oct 2017 Inflation Rate 2.2%

### Headline Inflation: Year-on-Year Changes for Oct 2017 compared to Oct 2016



The All Items Index rose 2.2% for the twelve months ending October 2017. The Food Index increased 1.9% in October. This increase was attributed to seven food sub-groups increases. The Index Fruits and Vegetables rose 5.9% largely due to a 9.1% increase in the Index for Vegetables. The Bakery and Cereal Products rose 4.8%.

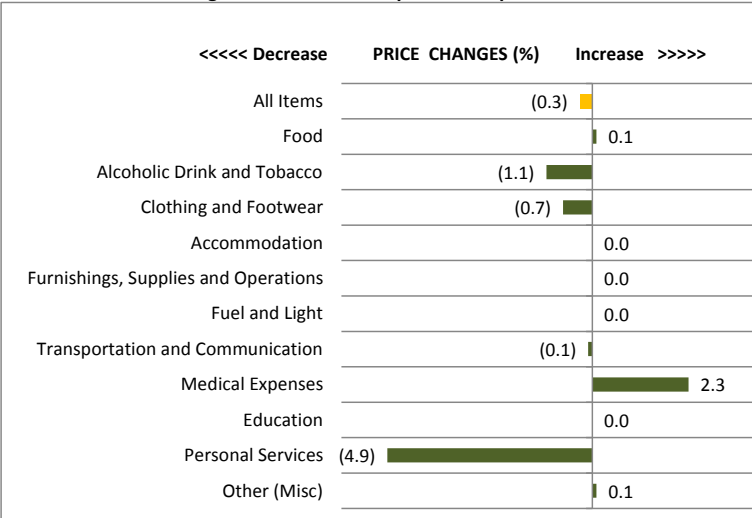
The Index for Food Not Elsewhere Specified (Food N.E.S) increased 3.9% as its three sub-categories increased.

The Indexes for Dairy Products declined 17.8% this was reflected by a decrease in the Milk Index of 28.5%. The reduction was influenced by value sales in the Fresh Milk category.

The Index for All Items Less Food and Energy increased 2.6% compared to 3.2% for the twelve month ending September 2017. The Index for Alcoholic Drink and Tobacco increased 2.9% in October following 4.9% increase in September. The Medical Expenses Index increased 2.8% as the Index for Pharmaceuticals rose 11.2%. The Indexes for Airline Fares rose 0.5% after a 3.6% increase in the previous month. The Index for Personal Services marginally increased after rising 4.0% in the prior month. The Index for Clothing and Footwear and Other (Miscellaneous) were both unchanged in October.

The Energy Index has remained unchanged. The Indexes for Gasoline at the Pump, Electricity and Cooking Gas were unchanged.

### Month-to-Month Changes for Oct 2017 compared to Sep 2017

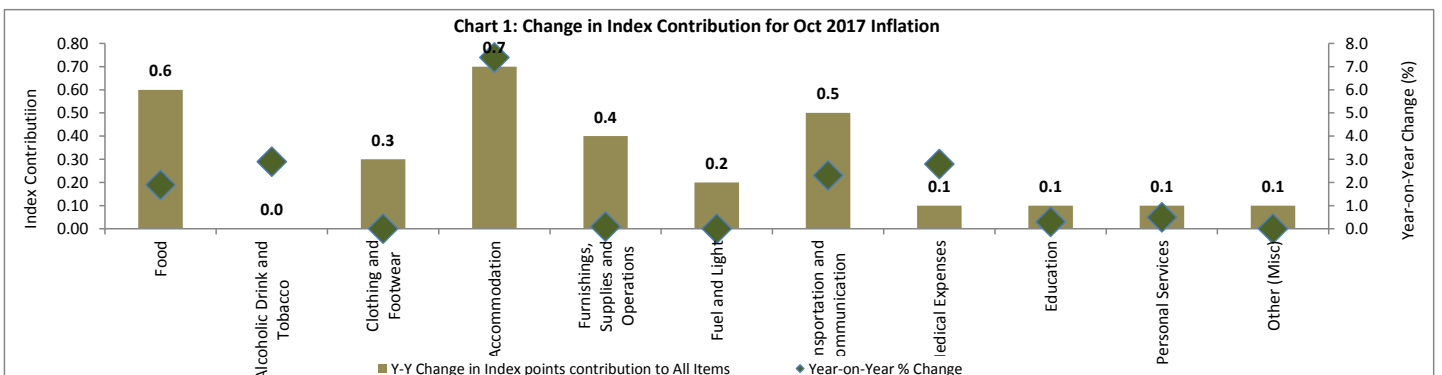


The Consumer Prices declined 0.3% in October 2017. The Food Index had a marginal increase of 0.1% in October. The Food Index had mixed results with four food group indexes increasing. The Index for Fruits and Vegetables rose 6.6% largely due to a 14.1% increase in the Index for Vegetables. The price increases were attributed to the impacts of hurricanes affecting imports and local production. The Index for Tomatoes increased 6.3%, Pumpkin 6.2%, Sweet Pepper 12.8% and Onions 6.5%.

The Index for Meats rose 1.2% in October. The Index for Poultry had an increase of 1.7%. Contrary to the above increase, the Index for Dairy Products fell 12.2% with the Indexes for Milk and Cheese declining respectively.

The Index for Food Not Elsewhere Specified (Food N.E.S) decreased 1.6% as the Index Meals Out declined 2.9%.

The All Items Less Food and Energy Index decreased 0.4%. The Index for Alcoholic Drink and Tobacco declined 1.1% and Clothing and Footwear 0.7%. The Transportation and Communication Index fell 0.1% with both the Transportation Services and Operation of Personal Transportation Indexes falling.



**Table 1: Examples of Goods and Services in the 2001-based Consumer Shopping Basket**

Main Expenditure Categories	No. of Items	Example of Goods and Services for which prices are collected to calculate the inflation rate	Frequency of price collection
Food	173	<i>Breakfast cereal, milk, coffee, juices, chicken, wine, vegetables, fruits, full-service meals, snacks</i>	Monthly
Alcoholic Drink and Tobacco	12	<i>Beer, stout, rum, whisky</i>	Monthly
Clothing and Footwear	65	<i>Men's pants, boys shorts, women's dresses, brassieres, underwear, infant's disposable diapers, watches, rings, bags</i>	Quarterly
Accommodation	10	<i>Rent paid, repairs and maintenance, property taxes, mortgage payments</i>	Quarterly
Furnishings, Supplies and Operations	74	<i>Sofas, mattress, kitchen cabinets, dressing table, rugs, linoleum, curtains, glassware; hourly wage rate</i>	Quarterly
Fuel and Light	2	<i>Electricity, LPG cooking gas</i>	Monthly
Transportation and Communication	27	<i>cellular phones, cars, license, gasoline, insurance, driving permit</i>	Quarterly
Medical Expenses	16	<i>doctor's bill, hospital care room rate, medicine</i>	Quarterly
Education	8	<i>Tuition fees, books, school supplies, exam fees</i>	Quarterly
Personal Services	10	<i>Hair cut, pedicure, manicure, driving lessons</i>	Quarterly
Other (Misc)	45	<i>Body lotion, toothpaste, shampoo, carnival costumes, gym membership</i>	Monthly, Quarterly
<b>Total number of goods and services in the basket</b>	<b>442</b>	<b>Prices are collected from the second Monday to the second Thursday of every month</b>	

<sup>1</sup> Outlets refer to the businesses where prices are collected (e.g supermarkets). The same outlets are used for Food, Alcoholic Drink & Tobacco, and some Other (Misc) items

### What is the Consumer Price Index?

The Consumer Price Index (CPI) is a statistical indicator of changes in the general level of prices of consumer goods and services purchased by private households. The CPI measures price movements of a fixed quality and quantity of goods and services. The mix of these consumer goods and services comprising the CPI are referred to as a "shopping basket." In constructing this "shopping basket", the selected goods and services are organised first by commodity type. They are then divided into sections, then sub-groups and then assigned to a major expenditure category. The Antigua and Barbuda CPI has 26 sections, 30 sub-groups and 11 major categories.

### What is the Base Period?

The base period (base year) is the time period that is used as a reference point for measuring the price change of goods and services. The base period for the Antigua and Barbuda CPI is January 2001.

The base period index is represented as 100.0. (Usually presented as 2001 = 100). So for instance, if the April 2010 CPI for chicken legs is 167.1, then it means that the price for chicken legs has gone up by 67.1% since 2001. Similarly, if the January 2010 CPI for bread is 93.1, then the price of bread has dropped by 6.9% compared to its price in 2001.

### What is Inflation?

Inflation is the process of rising prices, resulting in diminishing purchasing power of a given amount of money. There are three expressions of price changes:

- year-on-year (*the inflation rate*)
- month-to-month
- annual average (or annualised average)

The annual average CPI is derived by summing the CPI for each month of the year and dividing by 12.

### What are Weights?

Weights can be considered in the same way we would express how much we spend on various goods and services each month. Just like a monthly salary can be broken down as 20% on rent, 25% food, 15% mortgage, 10% on utilities and so on, the CPI weights are a collective expression of how households would generally spend their monthly income on goods and services.

The weights for this series of CPI were drawn from a survey of a sample of households in 2001 (the base period). Each household was asked to keep a record of their expenditure for one month. Once completed, the expenditures were added to determine the pattern. This pattern is what is referred to as the weights.

The current weights assume that each month, households would spend the most on *Accommodation* (218.3) followed by *Food* (214.2) and *Transportation and Communication* (153.5). Households would also spend the least on *Alcoholic Drink and Tobacco* (1.6).

### Index Points Contribution

Contribution of each expenditure category (category weight over All Items weight) to the All Items index points change.

$$\begin{aligned}
 \text{Year-on-Year Inflation} &= \frac{\text{June 2010 CPI} - \text{June 2009 CPI}}{\text{June 2009 CPI}} \times 100 \\
 \text{Month-to-Month Price Changes} &= \frac{\text{June 2010 CPI} - \text{May 2010 CPI}}{\text{May 2010 CPI}} \times 100 \\
 \text{Annualised Inflation Rate} &= \frac{\text{Average 2010 CPI} - \text{Average 2009 CPI}}{\text{Average 2009 CPI}} \times 100
 \end{aligned}$$

The compilation of the CPI and the calculation of the inflation rate involve the processing of hundreds of price quotations. The Statistics Division wishes to acknowledge the cooperation of the business community in supplying the required prices and accommodating the Statistical Officers on their premises. Price collection is authorised by the *General Statistics Act, No. 13 of 1975*.

2nd Floor ACT Building | Cnr. Market & Church Streets  
 Tel: (268) 462 3233 / 562 7491 | Fax: (268) 562 2542  
 email: stats@ab.gov.ag | www.antigua.gov.ag

Table 2: CPI and Inflation Rate for Main Categories, Sub-groups and Sections

Expenditure Category and Sub Groups  - means zero      0.0 means negligible	Jan 2001 weights	Consumer Price Indices			Year-on-Year % Change	Month-to-Month % Change
		Oct-2017	Sep-2017	Oct-2016	Oct-2017	Oct-2017
					Oct-2016	Sep-2017
<b>All Items</b>	1000.00	137.17	137.52	134.18	2.2	(0.3)
<b>FOOD:</b>	214.20	160.58	160.40	157.65	1.9	0.1
Bakery & Cereal Products	199.44	122.30	121.84	116.74	4.8	0.4
Bakery	875.34	122.40	121.88	116.32	5.2	0.4
Cereal	124.66	121.62	121.60	119.69	1.6	-
Meats	225.02	185.32	183.15	182.79	1.4	1.2
Beef	59.92	213.76	214.53	216.62	(1.3)	(0.4)
Pork	37.71	213.23	200.27	199.60	6.8	6.5
Lamb	36.48	264.33	255.53	221.72	19.2	3.4
Mutton	51.99	258.79	258.79	256.09	1.1	-
Preserved Meat	156.39	223.90	223.95	207.90	7.7	-
Poultry	316.64	195.90	192.68	202.44	(3.2)	1.7
Fish	340.85	130.03	128.89	129.87	0.1	0.9
Dairy Products	93.37	156.12	177.81	189.90	(17.8)	(12.2)
Milk	614.06	137.38	171.99	192.17	(28.5)	(20.1)
Cheese	209.94	205.66	207.74	202.16	1.7	(1.0)
Eggs	176.00	162.41	162.41	167.33	(2.9)	-
Fats & Oils	33.11	181.53	182.19	181.52	-	(0.4)
Butter/Oils	1000.00	181.53	182.19	181.52	-	(0.4)
Fruits & Vegetables	185.81	166.14	155.90	156.89	5.9	6.6
Fruits	222.14	207.69	207.82	194.26	6.9	(0.1)
Fruit Juices	170.54	140.59	140.50	139.83	0.5	0.1
Vegetables	498.73	161.34	141.39	147.93	9.1	14.1
Starchy Foods	108.60	143.28	140.50	148.39	(3.4)	2.0
Sugars, Jams, Confectionery	39.29	188.16	191.08	160.13	17.5	(1.5)
Sugar	776.23	194.72	197.40	158.68	22.7	(1.4)
Syrups	92.70	180.19	189.21	187.39	(3.8)	(4.8)
Jams & Jellies	17.80	104.50	104.52	104.52	-	-
Candy	113.27	162.85	162.85	156.51	4.1	-
Hot Beverages	15.30	246.65	249.98	235.63	4.7	(1.3)
Foods n.e.s	147.96	164.15	166.75	157.95	3.9	(1.6)
Condiments & Spices	230.21	210.09	210.03	205.68	2.1	-
Miscellaneous Food	159.46	138.42	137.55	133.10	4.0	0.6
Meals Out	610.33	153.55	158.06	146.44	4.9	(2.9)
Non-Alcoholic Beverages	60.68	124.81	120.00	116.54	7.1	4.0
<b>ALCOHOLIC DRINK &amp; TOBACCO:</b>	1.60	141.16	142.73	137.23	2.9	(1.1)
Alcoholic Beverages	888.15	141.19	142.95	136.76	3.2	(1.2)
Tobacco	111.85	140.95	140.95	140.95	-	-
<b>CLOTHING &amp; FOOTWEAR:</b>	110.60	104.30	104.99	104.30	-	(0.7)
Clothing	755.67	100.27	100.84	101.52	(1.2)	(0.6)
Men's	274.10	114.74	117.16	117.16	(2.1)	(2.1)
Boys'	70.06	128.27	128.27	128.27	-	-
Women's	335.61	62.24	62.24	62.24	-	-
Girls'	65.87	86.31	86.31	86.31	-	-
Infants'	33.47	108.72	108.72	108.72	-	-
Accessories & Raw Materials	220.90	134.08	133.68	136.74	(1.9)	0.3
Footwear	244.33	116.76	117.81	112.90	3.4	(0.9)
<b>ACCOMMODATION</b>	218.30	112.44	112.44	104.65	7.4	-
<b>FURNISHINGS, SUPPLIES &amp; OPERATIONS:</b>	126.00	144.50	144.56	144.36	0.1	-
Furniture, Fixtures & Floor Coverings	209.17	183.79	183.79	185.66	(1.0)	-
Household Textiles & Furnishings/ Soft Furnishings	66.19	163.90	163.90	153.40	6.8	-
Household Utensils	6.72	227.56	227.56	257.29	(11.6)	-
Household Appliances	263.73	128.68	128.68	128.10	0.5	-
Services, Household Operations & Goods	454.19	131.54	131.67	131.80	(0.2)	(0.1)
<b>FUEL &amp; LIGHT</b>	63.90	131.73	131.73	131.73	-	-
<b>TRANSPORTATION &amp; COMMUNICATION:</b>	153.50	140.81	141.01	137.71	2.3	(0.1)
Communication Services	92.78	118.34	118.34	118.30	-	-
Operation of Personal Transportation	823.48	142.30	142.47	139.02	2.4	(0.1)
Repairs & Maintenance of Personal Transportation	35.48	160.48	160.48	151.40	6.0	-
Transport Services	48.26	144.05	145.33	142.75	0.9	(0.9)
<b>MEDICAL EXPENSES:</b>	27.60	138.81	135.75	135.03	2.8	2.3
Private Practitioners	829.46	135.21	134.32	133.87	1.0	0.7
Pharmaceutical	170.54	156.35	142.70	140.66	11.2	9.6
<b>EDUCATION</b>	23.40	213.08	213.08	212.44	0.3	-
<b>PERSONAL SERVICES:</b>	43.00	164.80	173.32	163.99	0.5	(4.9)
Personal Care	1000.00	164.80	173.32	163.99	0.5	(4.9)
<b>OTHER (MISCELLANEOUS):</b>	17.90	129.52	129.41	129.49	-	0.1
Personal Effects	1000.00	129.52	129.41	129.49	-	0.1
All Items less Food		130.78	131.29	127.79	2.3	(0.4)
All Items LESS Energy		136.80	137.19	133.56	2.4	(0.3)
All Items less Food and Energy		129.59	130.15	126.26	2.6	(0.4)

**Table 3: Distribution of Changes in the Inflation Rate**

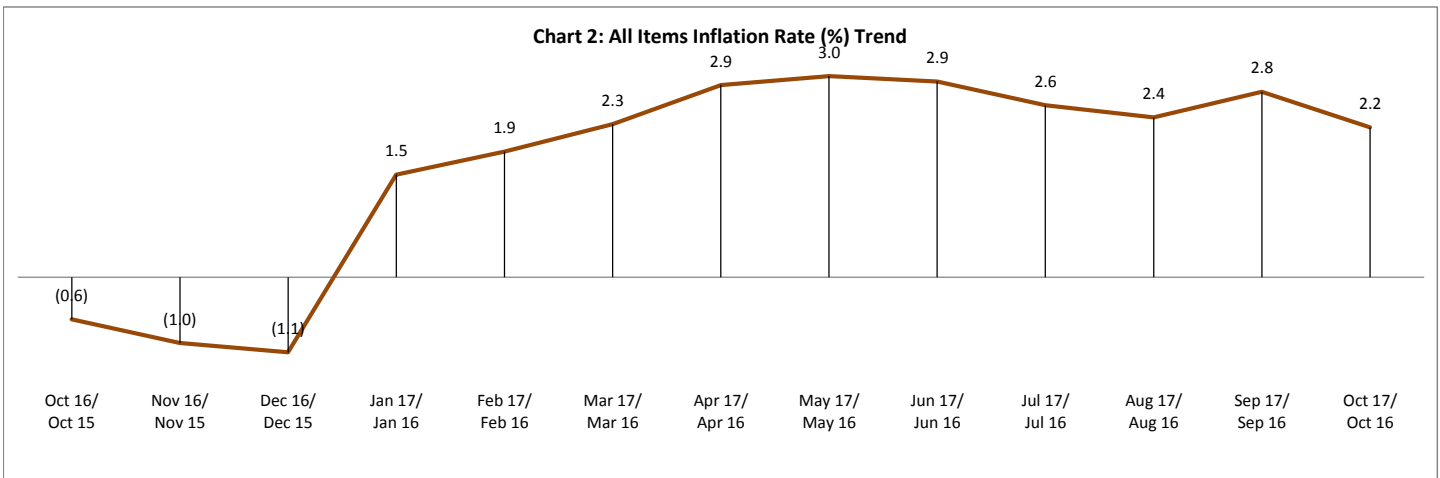
	No. of categories	No. of Decreases	No. of Increases	No. of No Changes
<b>Oct 2017 compared to Oct 2016</b>				
Main Expenditure Level	11	0	9	2
Sub Group Level	26	5	20	1
Section Level	30	9	17	4
<b>Sep 2017 compared to Sep 2016</b>				
Main Expenditure Category Level	11	0	10	1
Sub Group Level	26	6	20	0
Section Level	30	6	19	5
<b>Aug 2017 compared to Aug 2016</b>				
Main Expenditure Category Level	11	0	9	2
Sub Group Level	26	6	20	0
Section Level	30	9	15	6
<b>Oct 2017 compared to Sep 2017</b>				
Main Expenditure Category Level	11	4	3	4
Sub Group Level	26	12	7	7
Section Level	30	9	10	11

**Table 3 outlines the distribution of price movements for four inflation periods:**

- Oct 2017 compared to Oct 2016
- Sep 2017 compared to Sep 2016
- Aug 2017 compared to Aug 2016
- Oct 2017 compared to Sep 2017

In Oct 2017 compared to Oct 2016, 0 of the 11 main expenditure categories recorded price decreases, while 9 recorded price increases. 20 of the 26 sub-group levels also recorded price increases for some of the items that fall in that level. These collective increases and decreases would account for the magnitude and direction of the current inflation rate. 2 of the 11 main expenditure categories recorded no price changes.

**Graphical Analysis of the Consumer Price Index**



**Featured Expenditure Category**

