

YEAR-OVER-YEAR INFLATION

Consumers paid **1.8 per cent** more in September than they did a year ago for the basket of goods and services included in the Consumer Price Index (CPI). This level of inflation decreased 0.5 percentage points from the August 2024 annual inflation rate.



In the twelve months to September 2024, the following divisions had significant impacts on the annual percentage change:



FIGURE 2: ANNUAL PERCENTAGE CHANGE, SELECTED DIVISIONS

SEPTEMBER 2024

YEAR-OVER-YEAR INFLATION

TABLE 1: ANNUAL PERCENTAGE CHANGE, ALL DIVISIONS

	Divisions	September 2023- September 2024
	Food increased 4.2 points or 3.1% .	+3.1%
Î.	Rent increased 2.1 points or 2.0%.	+2.0%
	Clothing & Footwear increased 5.6 points or 5.1%.	+5.1%
	Tobacco & Liquor increased 0.1 points or 0.1% .	+0.1%
₽	Fuel & Power increased 8.2 points or 7.2%.	+7.2%
	Household Goods, Services & Supplies increased 1.7 points or 1.5%.	+1.5%
	Transport & Foreign Travel decreased 4.1 points or 3.6%.	-3.6%
	Education, Recreation, Entertainment & Reading increased 2.4 points or 2.0%.	+2.0%
Ð	Health & Personal Care increased 4.1 points or 3.3%.	+3.3%

TEN-YEAR INFLATION TRENDS

Over the past decade, the annual rate of inflation exhibited significant variability, reaching a ten-year low of -1.4 per cent in July 2020 and peaking at 5.1 per cent in September 2022.



FIGURE 3: ANNUAL RATES OF INFLATION - YEAR-OVER-YEAR PERCENTAGE CHANGE, SEPTEMBER 2014 - SEPTEMBER 2024

The annual average percentage change for the period 2014 - 2023 shows a positive growth trend in price change, peaking in 2022 at an average 4.0 per cent.



FIGURE 4: ANNUAL AVERAGE PERCENTAGE CHANGE, 2014 - 2023

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During the last ten years, the year-over-year percentage change in food prices exhibited the most prominent fluctuation between 2022 and 2024, reaching a high of 10.6 per cent in September 2022.

FIGURE 5: ANNUAL RATES OF INFLATION - YEAR-OVER-YEAR PERCENTAGE CHANGE, SEPTEMBER 2014 - SEPTEMBER 2024 FOOD DIVISION

(APRIL 2015 = 100)



The annual average percentage change for the period 2014 - 2023 shows a positive growth trend in the price change of food, peaking in 2022 at an average 7.9 per cent.



FIGURE 6: ANNUAL AVERAGE PERCENT CHANGE, FOOD DIVISION, 2014 - 2023

MONTH-OVER-MONTH INFLATION

Between August 2024 and September 2024, the average cost of goods and services in the CPI increased **0.1 per cent**. The all-items index rose from 118.1 to 118.2. This means that the basket of goods and services that cost \$100.00 in April 2015 now costs \$118.20.



FIGURE 7: MONTH-OVER-MONTH PERCENTAGE CHANGE IN ALL ITEMS INDEX

The following divisions had significant impacts on the monthly percentage change:



FIGURE 8: MONTHLY PERCENTAGE CHANGE, SELECTED DIVISIONS

Percentage Change (%)

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Services & Supplies

Footwear

Recreation,

Entertainment & Reading

MONTH-OVER-MONTH INFLATION

TABLE 2: MONTHLY PERCENTAGE CHANGE, ALL DIVISIONS

	Divisions	August 2024- September 2024
	Food decreased 0.1 points or 0.1% .	-0.1%
1 P	Rent increased 0.5 points or 0.5% .	+0.5%
	Clothing & Footwear was unchanged.	Nil
R	Tobacco & Liquor was unchanged.	Nil
₽ Ů	Fuel & Power was unchanged.	Nil
	Household Goods, Services & Supplies was unchanged.	Nil
	Transport & Foreign Travel decreased 1.4 points or 1.3%.	-1.3%
	Education, Recreation, Entertainment & Reading increased 0.7 points or 0.6%.	+0.6%
	Health & Personal Care was unchanged.	Nil

TEN-YEAR INFLATION TRENDS

From September 2014 to September 2024, the month-over-month percentage change fluctuated within a range of -0.9 per cent to 1.2 per cent.

FIGURE 9: MONTHLY RATES OF INFLATION - MONTH-OVER-MONTH PERCENTAGE CHANGE, SEPTEMBER 2014 - SEPTEMBER 2024



The month-over-month movement in the CPI Gasoline Index is as follows:



(APRIL 2015 = 100)



The monthly inflation rates for the food division from September 2014 to September 2024 show significant fluctuation, with notable changes occurring in January 2017, when the inflation rate surged 3.3 percentage points, and in April 2017, when it experienced a sharp decline of 1.5 percentage points.



FIGURE 11: MONTHLY RATE OF INFLATION, FOOD DIVISION, SEPTEMBER 2014 - SEPTEMBER 2024

Selected sub-groups within the food division have the following trends of month-over-month percentage change:



FIGURE 12: MONTH-OVER-MONTH PERCENTAGE CHANGE, SELECTED FOOD SUBGROUPS

	All Items	Food	Rent	Clothing & Footwear	Tobacco & Liquor	Fuel & Power	Household Goods, Services & Supplies	Transport & Foreign Travel	Education, Recreation, Entertain. & Reading	Health & Personal Care
2013 WEIGHT	1,000	115	267	25	31	39	116	130	147	130
			AN	INUAL AVERA	GE PERCENT	AGE CHANGE	Ξ			
2019	+1.0	+2.7	+0.9	+1.9	+3.8	+1.0	Nil	-3.0	+0.4	+3.4
2020	Nil	+3.0	-1.8	+0.9	+2.4	-1.8	+0.3	-4.5	+1.1	+2.9
2021	+1.5	+1.9	-0.3	+0.9	-0.6	-5.0	+1.7	+6.3	+1.9	+2.3
2022	+4.0	+7.9	+0.3	+2.2	+0.5	+11.3	+2.9	+7.6	+4.4	+4.0
2023	+3.3	+6.5	+1.9	+1.1	+4.9	+0.2	+2.6	+4.8	+3.5	+2.7
				MONTHLY PE	ERCENTAGE	CHANGE				
2023										
Sept	+0.5	+0.2	+0.4	Nil	+0.4	Nil	+0.1	+1.3	+1.1	Nil
Oct	+0.8	+0.4	+0.1	+0.5	-0.2	+10.0	+0.1	+1.9	+0.5	+0.2
Nov	-0.3	+0.1	+0.1	Nil	-0.8	Nil	+0.2	-3.3	Nil	Nil
Dec	-0.5	-0.2	+0.5	Nil	-0.2	Nil	+0.6	-5.1	-0.2	+0.2
2024										
Jan	+0.4	+0.7	+0.1	+2.5	Nil	-6.7	+0.4	+3.4	+0.2	+0.1
Feb	+0.1	+0.7	+0.1	Nil	+0.3	Nil	+0.5	-0.8	Nil	Nil
Mar	+0.1	Nil	+0.1	Nil	+0.6	Nil	Nil	-0.3	+0.6	+0.1
Apr	+0.8	+0.3	Nil	+1.3	+0.2	+0.7	-0.3	+2.7	+0.1	+2.7
May	+0.1	+0.1	+0.1	Nil	-0.2	Nil	Nil	-0.2	+0.3	+0.1
Jun	+0.1	+1.4	+0.2	Nil	+0.2	Nil	+0.1	-1.2	Nil	Nil
Jul	+0.1	+0.5	+0.2	+0.7	-0.2	+1.0	-0.1	-0.6	-0.2	Nil
Aug	+0.2	-0.7	+0.1	Nil	+0.5	+2.7	-0.1	+1.4	+0.1	Nil
Sept	+0.1	-0.1	+0.5	Nil	Nil	Nil	Nil	-1.3	+0.6	Nil
				мо	NTHLY INDEX					
2023										
Sept	116.1	133.4	103.0	110.4	133.3	113.2	111.1	113.9	122.0	125.6
Oct	117.0	133.9	103.1	110.9	133.0	124.5	111.2	116.1	122.6	125.8
Nov	116.6	134.0	103.2	110.9	131.9	124.5	111.4	112.3	122.6	125.8
Dec	116.0	133.7	103.7	110.9	131.6	124.5	112.1	106.6	122.4	126.0
2024										
Jan	116.5	134.7	103.8	113.7	131.6	116.2	112.6	110.2	122.6	126.1
Feb	116.6	135.6	103.9	113.7	132.0	116.2	113.2	109.3	122.6	126.1
Mar	116.7	135.6	104.0	113.7	132.8	116.2	113.2	109.0	123.3	126.2
Apr	117.6	136.0	104.0	115.2	133.1	117.0	112.9	111.9	123.4	129.6
Мау	117.7	136.1	104.1	115.2	132.8	117.0	112.9	111.7	123.8	129.7
Jun	117.8	138.0	104.3	115.2	133.1	117.0	113.0	110.4	123.8	129.7
Jul	117.9	138.7	104.5	116.0	132.8	118.2	112.9	109.7	123.6	129.7
Aug	118.1	137.7	104.6	116.0	133.4	121.4	112.8	111.2	123.7	129.7
Sept	118.2	137.6	105.1	116.0	133.4	121.4	112.8	109.8	124.4	129.7
ANNUAL PERCENTAGE CHANGE										
Sept '24		_								
Sept '23	+1.8	+3.1	+2.0	+5.1	+0.1	+7.2	+1.5	-3.6	+2.0	+3.3

APRIL 2015 = 100

CONSUMER PRICE INDICES AND INFLATION BY DIVISIONS AND GROUPS - SEPTEMBER 2024

		INDEX NUMBER PERCENTAGE CHA			E CHANGE	
	Weight	Sept '23	Aug '24	Sept '24	1 month ago	1 year ago
All Items	1,000	116.1	118.1	118.2	+0.1	+1.8
Food	115	133.4	137.7	137.6	-0.1	+3.1
Bakery Products		117.7	117.4	118.7	+1.1	+0.8
Cereal Products		138.2	116.3	125.0	+7.5	-9.6
Flours & Pastas		134.6	139.2	137.4	-1.3	+2.1
Meats & Meat Products		130.8	130.7	130.9	+0.2	+0.1
Poultry		117.5	119.9	121.9	+1.7	+3.7
Fish		124.2	125.4	125.4	Nil	+1.0
Dairy Products & Eggs		124.3	127.3	127.8	+0.4	+2.8
Fats & Oils		152.2	148.0	146.9	-0.7	-3.5
Fruit & Fruit Juices		140.1	145.5	145.1	-0.3	+3.6
Vegetables		116.9	126.6	127.7	+0.9	+9.2
Sugar & Sugar Confectionary		135.3	139.7	140.7	+0.7	+4.0
Savoury Snacks		114.4	119.3	119.1	-0.2	+4.1
Baby Food		122.5	121.2	121.3	+0.1	-1.0
Frozen Entrees		132.3	134.1	134.8	+0.5	+1.9
All Other Food Products (Not Elsewhere Specified)		128.3	133.1	133.4	+0.2	+4.0
Tea, Coffee, and Cocoa		109.0	116.5	117.4	+0.8	+7.7
Mineral Waters, Soft Drinks and Powered Drink Mixes		119.2	127.2	127.9	+0.6	+7.3
Rent	267	103.0	104.6	105.1	+0.5	+2.0
Controlled Properties		110.2	112.1	112.3	+0.2	+1.9
Non-controlled Properties		94.6	96.2	96.3	+0.1	+1.8
Repair & Maintenance		106.2	107.2	107.2	Nil	+0.9
Clothing & Footwear	25	110.4	116.0	116.0	Nil	+5.1
Men's Clothing		116.8	120.7	120.7	Nil	+3.3
Women's Clothing		97.1	107.1	107.1	Nil	+10.3
Children's Clothing		99.1	92.8	92.8	Nil	-6.4
Infant's Clothing		98.3	123.8	123.8	Nil	+25.9
Clothing Accessories		128.9	137.4	137.4	Nil	+6.6
Men's Footwear		116.0	116.0	116.0	Nil	Nil
Women's Footwear		123.5	126.4	126.4	Nil	+2.3
Children's Footwear		122.7	122.7	122.7	Nil	Nil
Other Clothing, Clothes Care & Shoe Repairs		121.8	130.5	130.5	Nil	+7.1
Tobacco & Liquor	31	133.3	133.4	133.4	Nil	+0.1
Beer		121.2	121.7	121.7	Nil	+0.4
Wines		131.4	131.6	131.8	+0.2	+0.3
Spirits		136.4	136.3	135.8	-0.4	-0.4
Cigarettes		144.1	144.1	144.1	Nil	Nil

CONSUMER PRICE INDICES AND INFLATION BY DIVISIONS AND GROUPS - SEPTEMBER 2024

		INDEX NUMBER PERCENTAGE CHAN				E CHANGE
	Weight	Sept '23	Aug '24	Sept '24	1 month ago	1 year ago
Fuel & Power	39	113.2	121.4	121.4	Nil	+7.2
Electricity		113.1	121.5	121.5	Nil	+7.4
Propane & Heating Fuel		117.0	117.0	117.0	Nil	Nil
Household Goods, Services & Supplies	116	111.1	112.8	112.8	Nil	+1.5
Furniture, Furnishings & Textiles		129.1	125.9	125.9	Nil	-2.5
Major Appliances		109.3	119.4	119.4	Nil	+9.2
Minor Appliances		119.3	141.2	141.2	Nil	+18.4
Communications Equipment		112.5	111.0	111.0	Nil	-1.3
Childcare		121.4	121.4	121.4	Nil	Nil
Telephone, Mobile and Internet Services		102.4	105.0	105.0	Nil	+2.5
Other Household Services (Not Elsewhere Specified)		108.3	109.1	109.1	Nil	+0.7
Household Supplies		133.5	136.8	137.5	+0.5	+3.0
Transport & Foreign Travel	130	113.9	111.2	109.8	-1.3	-3.6
Cars Capital Cost		104.4	107.0	107.0	Nil	+2.5
Car Fuel		125.9	124.2	121.5	-2.2	-3.5
Car Repair & Maintenance		109.3	109.3	109.3	Nil	Nil
Other Car Costs		102.2	105.5	105.5	Nil	+3.2
Cycle Capital Cost		98.2	94.0	94.0	Nil	-4.3
Cycle Fuel		129.2	128.4	125.8	-2.0	-2.6
Cycle Repair & Maintenance		98.4	98.4	98.4	Nil	Nil
Other Cycle Costs		108.7	112.1	112.1	Nil	+3.1
Public Transportation		100.0	109.0	109.0	Nil	+9.0
Foreign Travel		112.6	104.6	103.0	-1.5	-8.5
Education, Recreation, Entertainment & Reading	147	122.0	123.7	124.4	+0.6	+2.0
Education Expenses		122.6	122.6	125.6	+2.4	+2.4
Recreational Services		111.9	117.9	117.9	Nil	+5.4
Recreational Equipment		117.3	119.0	118.7	-0.3	+1.2
Entertainment Equipment		111.7	111.4	111.4	Nil	-0.3
Reading Materials		176.3	177.1	177.1	Nil	+0.5
Online Entertainment Services		88.2	88.2	88.2	Nil	Nil
Health & Personal Care	130	125.6	129.7	129.7	Nil	+3.3
Health Insurance		131.9	136.5	136.5	Nil	+3.5
Doctor & Hospital Visits		121.9	121.9	121.9	Nil	Nil
Dental Care		105.1	109.4	109.4	Nil	+4.1
Vision Care		102.5	100.8	100.8	Nil	-1.7
Medical Supplies		117.5	121.5	120.4	-0.9	+2.5
Personal Care Supplies & Services		103.6	107.6	107.8	+0.2	+4.1

AVERAGE PRICES OF SELECTED ITEMS - SEPTEMBER 2024

		AV	ERAGE PRICE	S
Item	Quantity	Sept '23	Aug '24	Sept '24
Whole Wheat Bread	20 oz	8.03	7.84	7.84
Corn Flakes	12 oz	9.89	7.76	8.12
Converted Rice	5 lb bag	13.10	11.80	12.43
All Purpose Flour	5 lb	7.21	7.36	7.31
Spare Ribs (Pork)	per lb	5.63	6.35	6.26
Lamb Leg (Frozen)	per lb	10.03	9.82	9.82
Red Snapper	per lb	22.06	18.99	18.99
Tuna Fish - Canned	7 oz	4.50	4.37	4.37
Evaporated Tin Milk	12 fl oz	2.56	2.64	2.64
Cheddar Cheese Block	per lb	8.55	8.45	8.44
Eggs - Local & Imported	per dozen	5.95	6.55	7.05
Cooking Oil	32 fl oz	11.41	10.02	10.02
Apples	3 lb bag	9.12	8.89	8.83
Red Grapes (Seedless)	per lb	5.99	6.99	5.49
Tomatoes (Vine and Plum) - Imported	per lb	4.85	5.34	5.43
Lettuce - Iceberg	per head	5.85	6.49	6.12
Green Peppers	per lb	3.79	4.29	4.01
Icing Sugar	2 lb	6.90	7.42	7.48
Strawberry Jam	12 oz jar	5.08	5.09	5.09
Snickers	2.07 oz bar	2.36	2.68	2.75
Tea bags	pack of 50	6.28	6.85	6.92
Instant Coffee	8 oz	13.66	13.66	13.66
Beer (bottle)	per case	62.01	61.45	61.45
Rum	1 Litre	34.85	36.20	36.20
Cigarettes - Regular	Carton	160.34	160.34	160.34
Furniture Polish	12.5 oz	9.84	10.10	10.31
Antiseptic Disinfectant Liquid	500 ml	8.27	7.65	7.10
Men's Long Dress Pants	Average	65.32	67.70	67.70
Men's Underwear	Average	26.24	27.24	27.24

MONTHLY SUMMARY STATISTICS					
Period	Index	Annual Percent Change			
2023					
Sept	116.1	+2.4			
Oct	117.0	+3.9			
Nov	116.6	+3.1			
Dec	116.0	+2.4			
2024					
Jan	116.5	+2.5			
Feb	116.6	+2.5			
Mar	116.7	+1.9			
Apr	117.6	+2.2			
May	117.7	+2.3			
Jun	117.8	+2.3			
Jul	117.9	+1.9			
Aug	118.1	+2.3			
Sept	118.2	+1.8			

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: https://www.gov.bm/bermuda-business-statistics.

Month-to-Month Price ChangeYear-to-Year Price ChangeParticular Period Price ChangeThe price change between February
2022 and January 2022 is calculated
as follows:The price change between March
2022 and March 2021 is calculated
as follows:The price change between February
2022 and March 2021 is calculated
as follows:The price change between February
2022 and March 2021 is calculated
as follows:The price change between February
2022 and March 2020 is calculated
as follows:=Feb 22 index - Jan 22 index
Jan 22 indexx 100=
$$= \frac{Mar 22 index - Mar 21 indexMar 21 indexx 100= $= \frac{109.0 - 108.6}{108.6} \times 100$ = $= \frac{109.4 - 106.7}{106.7} \times 100$ = $= \frac{109.0 - 105.9}{105.9} \times 100$ =0.4%= $= 2.5\%$ = $= 2.9\%$$$

WHAT IS THE CONSUMER PRICE INDEX?

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

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-ofliving 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.

INFLATION

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

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.

PRICE INDEX NUMBER

A single figure that shows how a set of prices has changed over a specified period. An index number alone 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 per cent.

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.

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