GUAM CPI

CONSUMER PRICE INDEX REPORT

1st Quarter 2026
VOL. MMXXVI, No. 1.



THE BUREAU OF STATISTICS AND PLANS
BUSINESS AND ECONOMIC STATISTICS

DEFINITION OF THE CONSUMER PRICE INDEX

The Consumer Price Index (CPI) is a measure of the average change in prices over time of goods and services purchased by households, both families and single person living alone. The Guam 2025 CPI is based on the concept of a representative "market basket", a sample of all goods and services that consumers purchase, as determined by the 2024 Household Income and Expenditure Survey (HIES) funded by the U.S. Dept. of Interior and a similar in design with the U.S. CPI done by the Bureau of Labor Statistics.

The CPI is measured from a total of **170 items** from **8 major groups, and indices** are computed at two different levels of aggregation. More than **1,080 price quotations** are collected during the middle month of each quarter either by phone or on-site survey by qualified price enumerators. There are approximately 186 business outlets included in the construction of the CPI, ranging from grocery, department and hardware stores to a variety of service establishments. This report provides average price changes for all items, groups, subgroups and special indexes from consecutive quarters to one year earlier. An annual average and annualized inflation rate are also reported. Indexes are subject to revision.

HOW TO INTERPRET INDEX CHANGES

A price change can be expressed as a percentage change between two periods, as a difference in index points between a given period and a base period assigned an index of **100.0**. Thus, an index of **110.7** for a given period means the price level has increase by **10.7%** from the base period of 100.0. It does not mean a **10.7%** change from the immediately preceding period as shown in example I.:

Example I.:

Period:	**1st. Qtr.**	**2nd Qtr.**	**3rd Qtr**
	(base period)		
Index:	100	108.4	110.7
	-----8.4% change----	**-----2.1% change----**	
	----------10.7% change ----------		

Any period, such as the 2nd Quarter in the next example, can be converted to a base period by dividing all indices individually by the periods' index, then multiplying the results by 100.

Example II:

Period:	**1st. Qtr.**	**2nd Qtr.**	**3rd Qtr**
	(base period)		
Index:	100	108.4	110.7

Index Period:	**2nd Qtr.**	**-----2% change----**	**3rd Qtr**
	(base period)		
Index:	100.0		102.1

In example II, we dealt with a change in price index from a given quarter to the quarter immediately succeeding it – a 2.1% change from the second to the third quarter. However, many economic statistics, such as personal income, government revenues, and expenditure, are reported on an annual basis. The equivalent annual rate is used to determine what the index would be if a price change during a three-month period continues at the same rate for four quarters, a twelve-month period. The annual rate is often used to achieve uniformity in statistical expression. Thus, a quarterly change of 1.0% is equivalent to an annual rate of 4.1%. If prices were to increase 1.0% each quarter for four quarters, the annual increase would be 4.1%. Derivation of this figure is shown in the Example III.

Example III: $P_n = P_o(1+i)^n$ Where P_n = equivalent annual rate

P_o = base index (100.0)

İ = current rate (1.0%)

n = number of periods (4)

Thus, 104.1 = $100.0\ (1 + .01)^4$

However, the equivalent annual rate should not be interpreted as a projection or price forecast. It is only a standard form for showing price changes that have occurred. The CPI only reports what has happened, while annual projections must be based on factors which determine future price

1. Base Period: 4th Quarter 2024 = 100.0

2. Group Weights

Category	2007-2024 Old Group Weights	2007-2024 No. Of Items Allocated - Old	2025- New Group Weights	2025- No. Of Items Allocated - New
Food	15.59	69	23.42	69
Housing	32.11	42	38.38	43
Apparel & Upkeep	7.61	23	6.38	23
Transportation	8.60	4	12.89	4
Medical Care	20.42	5	6.32	5
Recreation	2.97	5	3.05	5
Education & Communication	2.77	6	7.28	7
Other Goods & Services	9.92	14	2.29	14
Total	**100.00**	**168**	**100.00**	**170**

3. Formula:

The index is computed by using base-weighted arithmetic average of prices. The formula used is either in the weighted aggregated form.

$$I_{oi} = \frac{\sum p_i q_o}{\sum p_o q_o} \times 100$$

or its equivalent, the weighted average of price relatives

$$I_{oi} = \frac{\sum p_o q_o \left(\frac{P_i}{P_o}\right)}{\sum p_o q_o} \times 100$$

Where,

p_1 = the price of the commodity in the reporting period.

p_o = the price of the commodity in the base period, and

q_o = the quantity of commodity sold in the base period.

4. Weights:

Based on the 2024 Household Income and Expenditure Survey (HIES)

TABLE A
CONSUMER PRICE INDEX
(4th Qtr 2024 = 100.00)

GROUP	New Weight	CY 2025 QUARTERS 1st	2nd	3rd	Rebase 4th	CY 2026 QUARTERS 1st	2nd	3rd	4th
ALL ITEMS		**101.02**	**101.45**	**102.98**	**104.31**	**105.85**			
FOOD	23.42	100.85	101.68	103.36	104.83	105.52			
HOUSING	38.38	100.17	100.65	103.18	103.80	104.89			
APPAREL & UPKEEP	6.38	100.05	101.48	100.08	100.26	101.07			
TRANSPORTATION	12.89	101.12	101.13	104.54	106.76	110.19			
MEDICAL CARE	6.32	100.00	100.25	104.86	104.86	107.79			
RECREATION	3.05	99.88	99.88	100.22	101.09	101.47			
EDUCATION & COMMUNICATION	7.28	100.14	100.39	101.19	101.35	101.63			
OTHER GOODS & SERVICES	2.29	100.00	100.36	100.79	100.82	101.26			
SPECIAL INDEXES									
ALL ITEMS LESS FOOD	76.58	101.08	101.38	102.87	104.14	105.95			
ENERGY [1]	25.98	100.44	100.64	101.81	102.97	106.58			
ALL ITEMS LESS FOOD AND ENERGY	50.60	101.41	101.76	103.41	104.75	105.62			
COMMODITIES LESS FOOD	27.80	100.62	100.86	102.58	103.79	106.27			
SERVICES	49.39	100.09	100.43	101.77	103.06	104.47			
Purchase Power of Consumer Dollar (4th Qtr. 2007 = 100.00)		0.57	0.57	0.56	0.56	0.55			
Dollar (4th Qtr. 2024 = 100.00)		0.99	0.99	0.97	0.96	0.94			

TABLE B
CONSUMER PRICE INDEX
(4th Qtr 2024 = 100.00)
Rebased CPI

GROUP	Relative Importance	*Index for 1st. Qtr. CY 2025*	Index for 4th. Qtr. CY 2025	Index for *1st. Qtr.* CY 2026	% Change to 1st. Qtr. 2026 from Previous Quarter	% Change to 1st. Qtr. 2026 from One Year Earlier
All Items	**100.00**	**101.00**	**104.31**	**105.85**	**1.48%**	**4.80%**
All Items Less Food	76.58	101.08	104.14	105.95	1.73%	4.82%
Energy [1]	25.98	100.44	102.97	106.58	3.51%	6.12%
All Items Less Food and Energy	50.60	101.41	104.75	105.62	0.84%	4.16%
Commodities Less Food	27.80	100.62	103.79	106.27	2.39%	5.61%
Services	49.39	100.09	103.06	104.47	1.36%	4.37%

TABLE B

Rebased CPI

GROUP	Relative Importance	*Index for 1st. Qtr. CY 2025*	Index for 4th. Qtr. CY 2025	Index for *1st. Qtr.* CY 2026	% Change to 1st. Qtr. 2026 from Previous Quarter	% Change to 1st. Qtr. 2026 from One Year Earlier
Food	**23.42**	**100.70**	**104.83**	**105.52**	**0.65%**	**4.79%**
Cereals and Cereal Products	1.03	100.00	110.83	110.90	0.06%	10.90%
Bakery Products	1.18	100.00	102.86	102.86	0.00%	2.86%
Beef	0.86	102.24	106.20	109.51	3.11%	7.10%
Pork	1.04	100.10	100.24	100.55	0.31%	0.45%
Other Meats	0.96	100.00	102.04	102.80	0.74%	2.80%
Poultry	0.79	100.63	103.43	103.43	0.00%	2.79%
Fish and Seafood	1.12	100.98	101.84	101.84	0.00%	0.84%
Eggs	0.24	94.60	65.36	65.36	0.00%	-30.91%
Dairy Products	1.07	100.59	95.95	95.95	0.00%	-4.61%
Fresh Fruits	0.93	100.03	104.92	105.31	0.37%	5.28%
Fresh Vegetables	1.02	100.00	100.93	100.93	0.00%	0.93%
Juice and Non-Alcoholic Drinks	2.29	100.00	104.88	104.88	0.00%	4.88%
Sugar and Sweets	0.62	100.00	102.02	102.02	0.00%	2.02%
Fats and Oils	0.28	100.00	100.00	100.00	0.00%	0.00%
Other Foods	2.19	100.78	103.55	104.04	0.47%	3.24%
Meals Away from Home	5.83	101.99	109.34	111.12	1.63%	8.95%
Alcoholic Beverages	1.96	100.00	109.57	109.69	0.10%	9.69%

TABLE B
(continued)
Rebased CPI

GROUP	Relative Importance	*Index for 1st. Qtr. CY 2025*	Index for 4th. Qtr. CY 2025	Index for *1st. Qtr.* CY 2026	% Change to 1st. Qtr. 2026 from Previous Quarter	% Change to 1st. Qtr. 2026 from One Year Earlier
HOUSING	**38.38**	**100.17**	**103.18**	**104.89**	**1.67%**	**4.72%**
Rent and Lodging	17.15	100.00	105.19	105.78	0.56%	5.78%
Home Fuel	2.13	100.38	100.37	109.84	9.43%	9.42%
Electricity	7.66	100.00	100.00	104.24	4.24%	4.24%
Water, Sewer and Trash	3.15	100.17	100.17	100.17	0.00%	0.00%
Building Materials	0.08	103.40	103.40	103.40	0.00%	0.00%
Furniture and Bedding	0.83	100.58	102.23	102.23	0.00%	1.64%
Appliances	2.18	100.00	101.63	102.29	0.65%	2.29%
Tools, Hardware, Outdoor Equip.	1.20	100.88	103.81	104.53	0.70%	3.62%
Housekeeping Supplies	2.46	101.00	105.89	106.02	0.12%	4.97%
Housekeeping Operations	1.54	100.58	104.37	104.79	0.40%	4.19%
APPAREL & UPKEEP	**6.38**	**100.05**	**100.26**	**101.07**	**0.81%**	**1.01%**
Men's Apparel	1.70	100.00	99.51	101.03	1.53%	1.03%
Boy's Apparel	0.35	100.00	100.00	100.27	0.27%	0.27%
Women's Apparel	1.61	100.00	100.22	100.22	0.00%	0.22%
Girl's Apparel	0.66	100.00	102.18	102.18	0.00%	2.18%
Footwear	1.42	100.00	100.00	100.00	0.00%	0.00%
Infant's & Toddler's Apparel	0.13	102.48	104.98	111.20	5.93%	8.51%
Jewelry	0.51	100.00	100.00	103.28	3.28%	3.28%
EDUCATION & COMMUNICATION	**7.28**	**100.14**	**101.35**	**101.63**	**0.27%**	**1.49%**
Educational Books & Supplies	0.06	100.00	100.00	100.00	0.00%	0.00%
Tuition & Other School Fees	1.07	100.00	104.96	104.96	0.00%	4.96%
Mobil Voice and Data Services	3.99	100.00	100.00	100.00	0.00%	0.00%
Computers	0.59	101.74	112.92	116.34	3.03%	14.34%
Internet Services	1.57	100.00	98.02	98.02	0.00%	-1.98%
OTHER GOODS & SERVICES	**2.29**	**100.00**	**100.82**	**101.26**	**0.44%**	**1.26%**
Tobacco Products	0.21	100.00	101.61	102.46	0.84%	2.46%
Personal Care Products	0.33	99.70	105.91	106.84	0.88%	7.17%
Personal Care Services	0.33	100.00	100.00	102.44	2.44%	2.44%
Miscellaneous Personal Services	0.18	100.00	100.00	100.00	0.00%	0.00%
Funeral Expenses	0.25	100.00	100.00	100.00	0.00%	0.00%
Financial Services	0.62	100.00	100.00	100.00	0.00%	0.00%
Other Special Occasions	0.98	100.00	100.00	100.00	0.00%	0.00%

TABLE B
(continued)
Rebased CPI

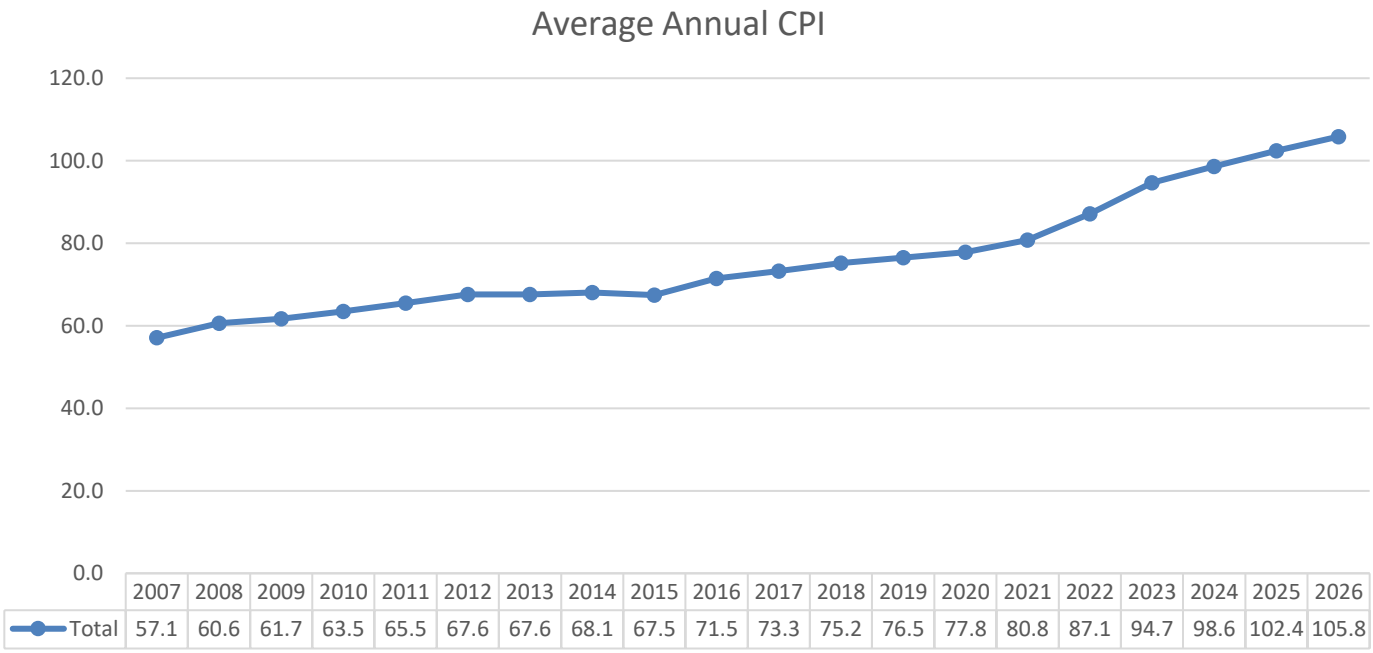
GROUP	Relative Importance	*Index for 1st. Qtr. CY 2025*	Index for 4th. Qtr. CY 2025	Index for *1st. Qtr.* CY 2026	% Change to 1st. Qtr. 2026 from Previous Quarter	% Change to 1st. Qtr. 2026 from One Year Earlier
TRANSPORTATION	**12.89**	**101.12**	**106.76**	**110.19**	**3.21%**	**8.97%**
New Cars	6.30	102.59	106.70	106.70	0.00%	4.01%
Motor Fuel	3.56	97.41	108.96	125.30	14.99%	28.63%
Car Maintenance	1.42	100.00	103.59	106.17	2.48%	6.17%
Car Insurance	1.61	102.59	109.15	109.15	0.00%	6.40%
MEDICAL CARE	**6.32**	**100.00**	**104.86**	**107.79**	**2.80%**	**7.79%**
Prescription Drugs	1.23	100.00	101.21	101.21	0.00%	1.21%
Physician Services	0.39	100.00	102.42	102.42	0.00%	2.42%
Other Medical Practitioner Costs	0.91	100.00	100.00	100.00	0.00%	0.00%
Hospital and Related Services	3.79	100.00	107.46	112.35	4.55%	12.35%
RECREATION	**2.96**	**99.88**	**101.09**	**101.47**	**0.38%**	**1.60%**
Audio and Video	2.63	99.58	99.74	99.74	0.00%	0.16%
Pet and Pet Products	0.19	101.54	109.58	112.77	2.92%	11.06%
Sporting Goods	0.14	100.00	100.85	100.85	0.00%	0.85%

TABLE C
CONSUMER PRICE INDEX (CPI)
(4th Qtr. 2024 = 100.00)
Rebased Indexes[2], Average Annual Percent Change

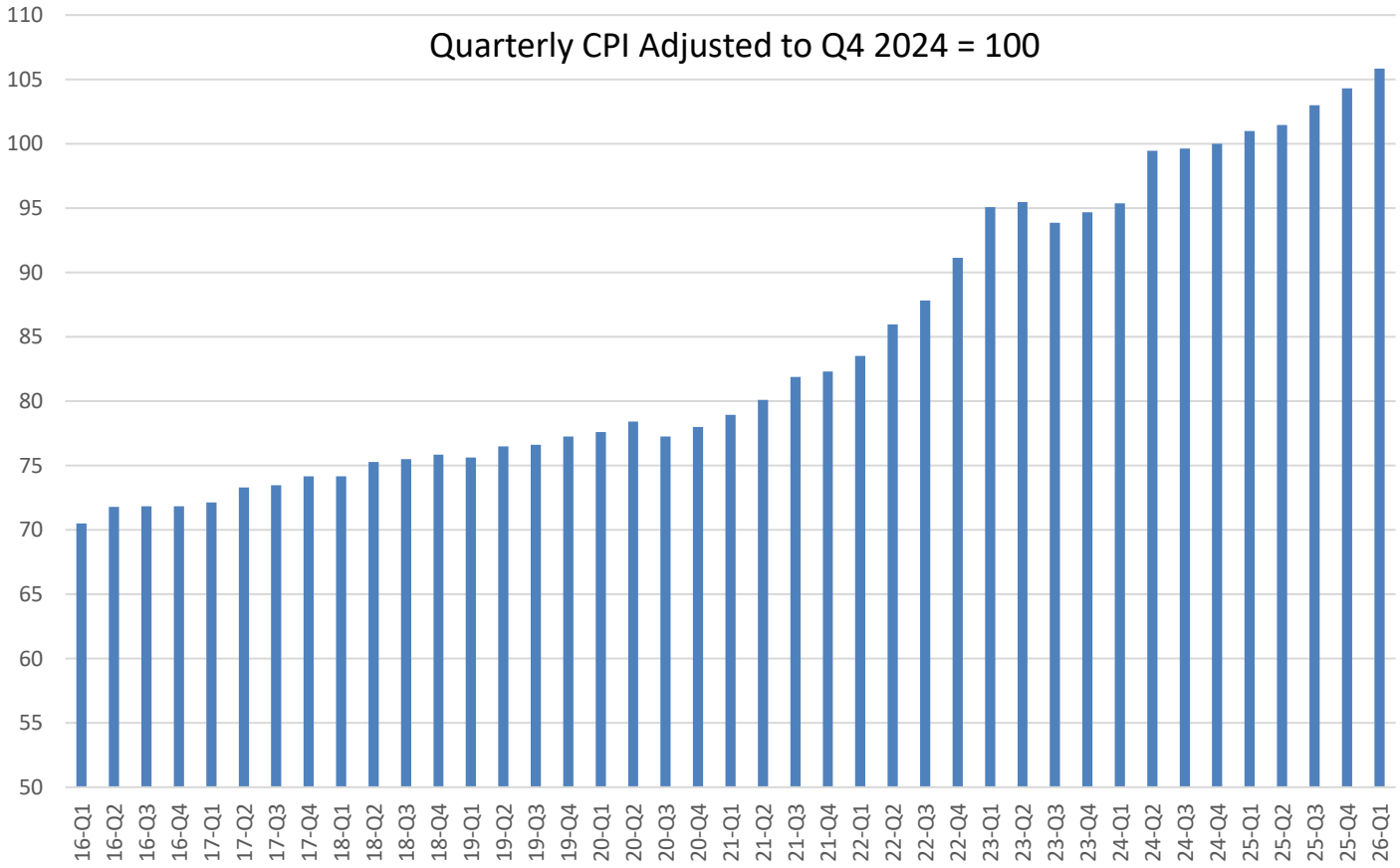
Calendar Year	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Annual Average	Annual Average % Change
2007	56.50	57.01	56.72	58.12	57.09	6.77%
2008	58.76	60.50	61.61	61.67	60.63	6.21%
2009	61.37	61.26	62.13	61.90	61.67	1.70%
2010	62.65	63.29	63.58	64.28	63.45	2.90%
2011	63.82	65.62	65.85	66.84	65.53	3.27%
2012	67.42	67.65	67.77	67.59	67.61	3.17%
2013	67.88	68.00	67.13	67.30	67.58	-0.04%
2014	67.65	68.06	68.12	68.52	68.09	0.75%
2015	67.42	67.71	67.65	67.07	67.46	-0.92%
2016	70.50	71.78	71.84	71.84	71.49	5.97%
2017	72.13	73.29	73.46	74.16	73.26	2.48%
2018	74.16	75.15	75.50	75.85	75.16	2.60%
2019	75.62	76.49	76.59	77.27	76.49	1.76%
2020	77.61	78.40	77.25	78.00	77.82	1.73%
2021	78.93	80.09	81.89	82.12	80.76	3.78%
2022	83.52	85.97	87.83	91.14	87.11	7.87%
2023	95.07	95.47	93.65	94.50	94.67	8.68%
2024	95.32	99.43	99.62	***100.00***	98.59	4.14%
2025	101.02	101.45	102.98	104.31	102.44	3.91%
2026	105.85				105.85	3.33%

Q1 2007 to Q3 2024 have been adjusted to Q4 as base period - 100

Q4 2025 CPI TABLE C – Charts



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Total	57.1	60.6	61.7	63.5	65.5	67.6	67.6	68.1	67.5	71.5	73.3	75.2	76.5	77.8	80.8	87.1	94.7	98.6	102.4	105.8





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