

GUAM CPI

CONSUMER PRICE INDEX REPORT

3rd Quarter 2025
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THE BUREAU OF STATISTICS AND PLANS
BUSINESS AND ECONOMIC STATISTICS





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



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:

$$P_n = P_o(1+i)^n \quad \text{Where}$$

- P_n = equivalent annual rate
- P_o = base index (100.0)
- i = 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 | | 2025- | |
|---------------------------|-------------------|------------------------------|-------------------|------------------------------|
| | Old Group Weights | No. Of Items Allocated - Old | New Group Weights | 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_i = 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 2024 QUARTERS | | | | CY 2025 QUARTERS | | | |
|--|------------|------------------|-----|-----|---------------|------------------|---------------|---------------|-----|
| | | 1st | 2nd | 3rd | Rebase 4th | 1st | 2nd | 3rd | 4th |
| ALL ITEMS | | | | | 100.00 | 101.02 | 101.45 | 102.98 | |
| FOOD | 23.42 | | | | 100.00 | 100.85 | 101.68 | 103.36 | |
| HOUSING | 38.38 | | | | 100.00 | 100.17 | 100.65 | 102.16 | |
| APPAREL & UPKEEP | 6.38 | | | | 100.00 | 100.05 | 101.48 | 100.08 | |
| TRANSPORTATION | 12.89 | | | | 100.00 | 101.12 | 101.13 | 104.54 | |
| MEDICAL CARE | 6.32 | | | | 100.00 | 100.00 | 100.25 | 100.90 | |
| RECREATION | 3.05 | | | | 100.00 | 99.88 | 100.54 | 100.22 | |
| EDUCATION & COMMUNICATION | 7.28 | | | | 100.00 | 100.14 | 100.39 | 101.19 | |
| OTHER GOODS & SERVICES | 2.29 | | | | 100.00 | 100.00 | 100.36 | 100.79 | |
| SPECIAL INDEXES | | | | | | | | | |
| ALL ITEMS LESS FOOD | 76.58 | | | | 100.00 | 101.08 | 101.38 | 102.87 | |
| ENERGY ¹ | 25.98 | | | | 100.00 | 100.44 | 100.64 | 101.81 | |
| ALL ITEMS LESS FOOD AND ENERGY | 50.60 | | | | 100.00 | 101.41 | 101.76 | 103.41 | |
| COMMODITIES LESS FOOD | 27.80 | | | | 100.00 | 100.62 | 100.86 | 102.58 | |
| SERVICES | 49.39 | | | | 100.00 | 100.09 | 100.43 | 101.77 | |
| Purchase Power of Consumer Dollar (4th Qtr. 2007 = 100.00) | | | | | 0.58 | 0.57 | 0.57 | 0.56 | |
| Purchase Power of Consumer Dollar (4th Qtr. 2024 = 100.00) | | | | | 1.00 | 0.99 | 0.99 | 0.97 | |

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

| GROUP | Relative Importance | Index for 4th. Qtr. CY 2024 | Index for 2nd. Qtr. CY 2025 | Index for 3rd. Qtr. CY 2025 | % Change to 3rd. Qtr. 2025 from | |
|--------------------------------|---------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|--------------|
| | | Previous Quarter | Q4 Base Period | | | |
| All Items | 100.00 | 100.00 | 101.35 | 102.98 | 1.61% | 2.98% |
| All Items Less Food | 76.58 | 100.00 | 101.65 | 102.87 | 1.20% | 2.87% |
| Energy ¹ | 25.98 | 100.00 | 100.64 | 101.81 | 1.16% | 1.81% |
| All Items Less Food and Energy | 50.60 | 100.00 | 102.17 | 103.41 | 1.21% | 3.41% |
| Commodities Less Food | 27.80 | 100.00 | 100.86 | 102.58 | 1.70% | 2.58% |
| Services | 49.39 | 100.00 | 100.85 | 101.77 | 0.91% | 1.77% |



TABLE B

Rebased CPI

| GROUP | Relative Importance | Index for 4th. Qtr. CY 2024 | Index for 2nd. Qtr. CY 2025 | Index for 3rd. Qtr. CY 2025 | % Change to 3rd. Qtr. 2025 from | |
|--------------------------------------|---------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|--------------|
| | | Previous Quarter | Q4 Base Period | | | |
| Food | 23.42 | 100.00 | 101.68 | 103.36 | 1.65% | 3.36% |
| Cereals and Cereal Products | 1.03 | 100.00 | 107.84 | 109.20 | 1.26% | 9.20% |
| Bakery Products | 1.18 | 100.00 | 101.11 | 102.86 | 1.73% | 2.86% |
| Beef | 0.86 | 100.00 | 103.92 | 106.20 | 2.20% | 6.20% |
| Pork | 1.04 | 100.00 | 100.10 | 100.24 | 0.13% | 0.24% |
| Other Meats | 0.96 | 100.00 | 100.00 | 102.04 | 2.04% | 2.04% |
| Poultry | 0.79 | 100.00 | 101.32 | 101.74 | 0.41% | 1.74% |
| Fish and Seafood | 1.12 | 100.00 | 100.98 | 101.69 | 0.70% | 1.69% |
| Eggs | 0.24 | 100.00 | 92.31 | 90.01 | -2.50% | -9.99% |
| Dairy Products | 1.07 | 100.00 | 100.13 | 101.52 | 1.39% | 1.52% |
| Fresh Fruits | 0.93 | 100.00 | 99.77 | 100.50 | 0.73% | 0.50% |
| Fresh Vegetables | 1.02 | 100.00 | 100.02 | 100.56 | 0.53% | 0.56% |
| Juice and Non-Alcoholic Drinks | 2.29 | 100.00 | 103.37 | 104.07 | 0.68% | 4.07% |
| Sugar and Sweets | 0.62 | 100.00 | 100.00 | 102.02 | 2.02% | 2.02% |
| Fats and Oils | 0.28 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Other Foods | 2.19 | 100.00 | 101.36 | 102.89 | 1.51% | 2.89% |
| Meals Away from Home | 5.83 | 100.00 | 102.68 | 106.26 | 3.48% | 6.26% |
| Alcoholic Beverages | 1.96 | 100.00 | 100.00 | 100.69 | 0.69% | 0.69% |
| EDUCATION & COMMUNICATION | 7.28 | 100.00 | 100.65 | 101.19 | 0.53% | 1.19% |
| Educational Books & Supplies | 0.06 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Tuition & Other School Fees | 1.07 | 100.00 | 100.00 | 104.96 | 4.96% | 4.96% |
| Mobil Voice and Data Services | 3.99 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Computers | 0.59 | 100.00 | 104.75 | 110.90 | 5.87% | 10.90% |
| Internet Services | 1.57 | 100.00 | 100.00 | 98.02 | -1.98% | -1.98% |
| OTHER GOODS & SERVICES | 2.29 | 100.00 | 100.36 | 100.36 | 0.00% | 0.36% |
| Tobacco Products | 0.21 | 100.00 | 101.61 | 101.61 | 0.00% | 1.61% |
| Personal Care Products | 0.33 | 100.00 | 101.84 | 105.66 | 3.75% | 5.66% |
| Personal Care Services | 0.33 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| 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% |
| OTHER GOODS & SERVICES | 2.29 | 100.00 | 100.36 | 100.79 | 0.43% | 0.79% |
| Tobacco Products | 0.21 | 100.00 | 101.61 | 101.61 | 0.00% | 1.61% |
| Personal Care Products | 0.33 | 100.00 | 101.84 | 101.84 | 0.00% | 1.84% |
| Personal Care Services | 0.33 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| 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 | Index | Index | % Change to | |
|--------------------------------------|---------------------|--------------------------------|--------------------------------|--------------------------------|---|-------------------|
| | | for 4th. Qtr. CY 2024 | for 2nd. Qtr. CY 2025 | for 3rd. Qtr. CY 2025 | 3rd. Qtr. 2025 from Previous Quarter | Q4 Base Period |
| HOUSING | 38.38 | 100.00 | 100.65 | 102.16 | 1.50% | 2.16% |
| Rent and Lodging | 17.15 | 100.00 | 100.82 | 103.19 | 2.36% | 3.19% |
| Home Fuel | 2.13 | 100.00 | 100.36 | 100.36 | 0.00% | 0.36% |
| Electricity | 7.66 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Water, Sewer and Trash | 3.15 | 100.00 | 100.17 | 100.17 | 0.00% | 0.17% |
| Building Materials | 0.08 | 100.00 | 103.40 | 103.40 | 0.00% | 3.40% |
| Furniture and Bedding | 0.83 | 100.00 | 100.58 | 102.23 | 1.64% | 2.23% |
| Appliances | 2.18 | 100.00 | 101.55 | 100.91 | -0.63% | 0.91% |
| Tools, Hardware, Outdoor Equip. | 1.20 | 100.00 | 100.88 | 102.52 | 1.62% | 2.52% |
| Housekeeping Supplies | 2.46 | 100.00 | 101.07 | 105.68 | 4.56% | 5.68% |
| Housekeeping Operations | 1.54 | 100.00 | 101.18 | 103.76 | 2.55% | 3.76% |
| APPAREL & UPKEEP | 6.38 | 100.00 | 101.48 | 100.08 | -1.38% | 0.08% |
| Men's Apparel | 1.70 | 100.00 | 100.12 | 100.00 | -0.12% | 0.00% |
| Boy's Apparel | 0.35 | 100.00 | 100.40 | 100.00 | -0.40% | 0.00% |
| Women's Apparel | 1.61 | 100.00 | 101.35 | 100.00 | -1.33% | 0.00% |
| Girl's Apparel | 0.66 | 100.00 | 103.26 | 100.00 | -3.16% | 0.00% |
| Footwear | 1.42 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Infant's & Toddler's Apparel | 0.13 | 100.00 | 103.92 | 103.92 | 0.00% | 3.92% |
| Jewelry | 0.51 | 100.00 | 108.33 | 100.00 | -7.69% | 0.00% |
| EDUCATION & COMMUNICATION | 7.28 | 100.00 | 100.39 | 101.19 | 0.80% | 1.19% |
| Educational Books & Supplies | 0.06 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Tuition & Other School Fees | 1.07 | 100.00 | 100.00 | 104.96 | 4.96% | 4.96% |
| Mobil Voice and Data Services | 3.99 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| Computers | 0.59 | 100.00 | 104.75 | 110.90 | 5.87% | 10.90% |
| Internet Services | 1.57 | 100.00 | 100.00 | 98.02 | -1.98% | -1.98% |
| OTHER GOODS & SERVICES | 2.29 | 100.00 | 100.36 | 100.79 | 0.43% | 0.79% |
| Tobacco Products | 0.21 | 100.00 | 101.61 | 101.61 | 0.00% | 1.61% |
| Personal Care Products | 0.33 | 100.00 | 101.84 | 105.66 | 3.75% | 5.66% |
| Personal Care Services | 0.33 | 100.00 | 100.00 | 100.00 | 0.00% | 0.00% |
| 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

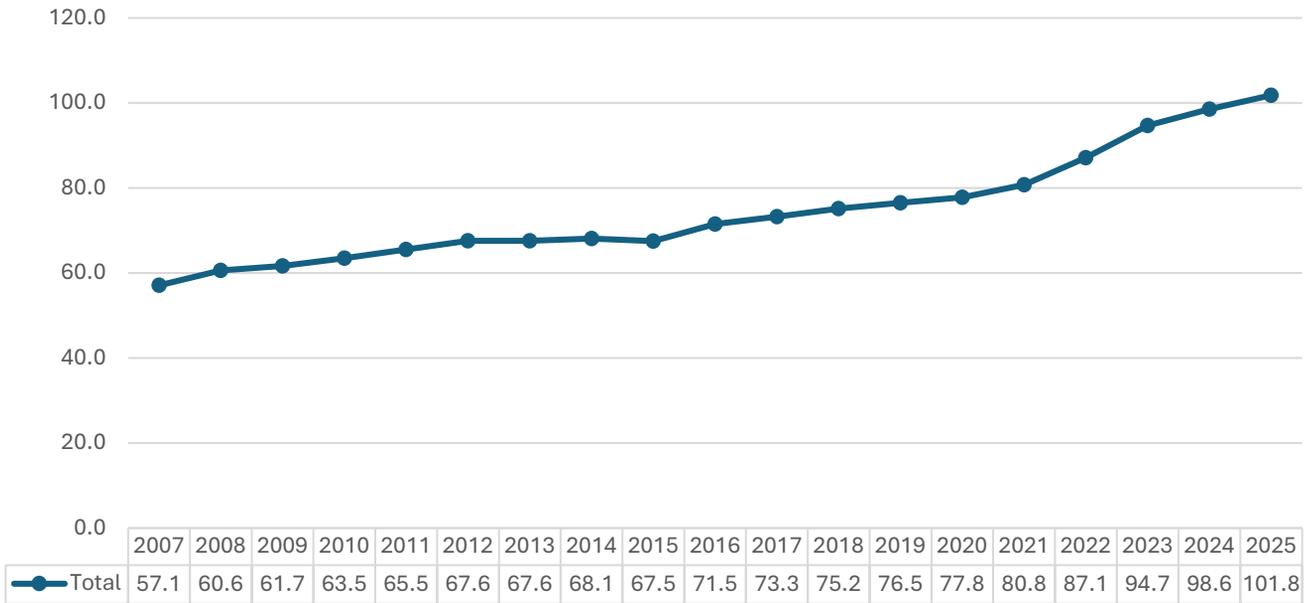
| GROUP | Relative Importance | Index for | Index for | Index for | % Change to | |
|----------------------------------|---------------------|-------------------|-------------------|-------------------|--------------------------------------|----------------|
| | | 4th. Qtr. CY 2024 | 2nd. Qtr. CY 2025 | 3rd. Qtr. CY 2025 | 2nd. Qtr. 2025 from Previous Quarter | Q4 Base Period |
| TRANSPORTATION | 12.89 | 100.00 | 101.13 | 104.54 | 3.37% | 4.54% |
| New Cars | 6.30 | 100.00 | 104.83 | 107.06 | 2.13% | 7.06% |
| Motor Fuel | 3.56 | 100.00 | 95.42 | 97.01 | 1.67% | -2.99% |
| Car Maintenance | 1.42 | 100.00 | 100.00 | 103.59 | 3.59% | 3.59% |
| Car Insurance | 1.61 | 100.00 | 102.59 | 106.90 | 4.20% | 6.90% |
| MEDICAL CARE | 6.32 | 100.00 | 100.25 | 100.90 | 0.65% | 0.90% |
| Prescription Drugs | 1.23 | 100.00 | 100.00 | 101.21 | 1.21% | 1.21% |
| Physician Services | 0.39 | 100.00 | 100.00 | 102.42 | 2.42% | 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 | 100.42 | 100.85 | 0.44% | 0.85% |
| RECREATION | 2.96 | 100.00 | 100.54 | 100.22 | -0.31% | 0.22% |
| Audio and Video | 2.63 | 100.00 | 100.12 | 99.40 | -0.72% | -0.60% |
| Pet and Pet Products | 0.19 | 100.00 | 101.54 | 104.43 | 2.84% | 4.43% |
| Sporting Goods | 0.14 | 100.00 | 101.80 | 100.85 | -0.93% | 0.85% |

TABLE C
CONSUMER PRICE INDEX (CPI)
(4th Qtr. 2024 = 100.00)
Rebased Indexes², Average Annual Percent Change

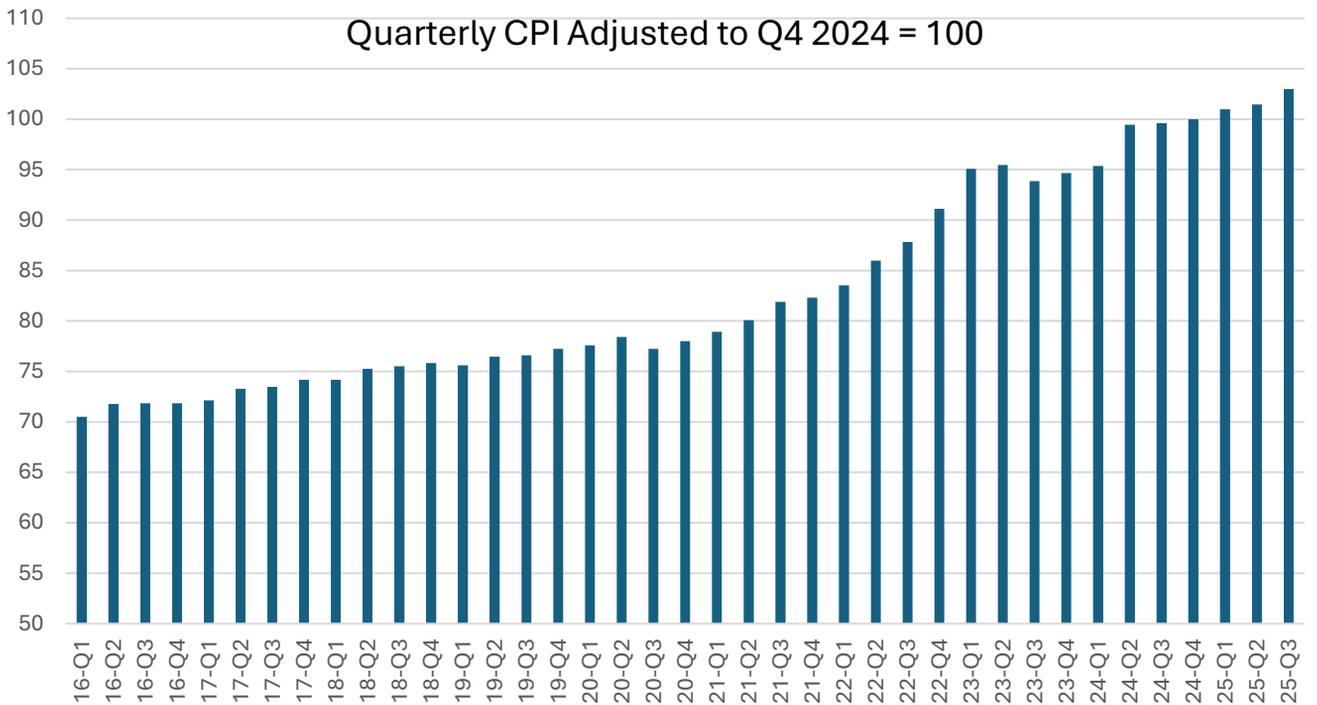
| Calendar Year | 1st Qtr. | 2nd Qtr. | 3rd Qtr. | 4th Qtr. | Annual Average | Annual Average % Change |
|---------------|----------|----------|----------|----------|----------------|-------------------------|
| 2007 | 56.50 | 57.01 | 56.72 | 58.12 | 57.09 | 6.77% |
| 2008 | 58.76 | 60.50 | 61.61 | 61.67 | 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 | | 101.82 | 3.28% |

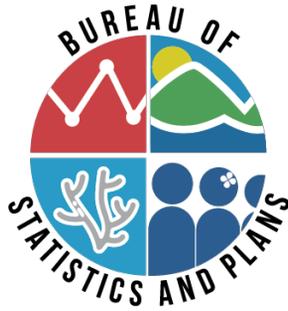
CPI between Q1 07- Q3 24 have been adjusted to Q4 24 = 100.

Average Annual CPI



Quarterly CPI Adjusted to Q4 2024 = 100





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