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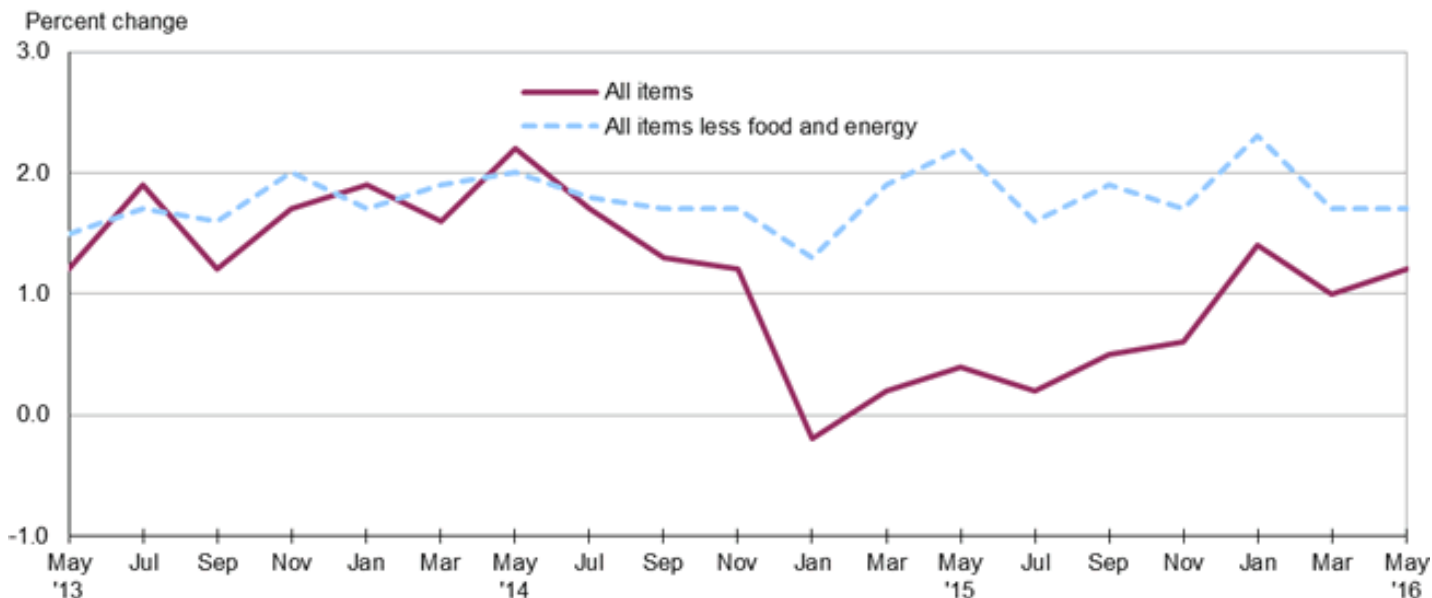
Consumer Price Index, Washington-Baltimore – May 2016

Area prices up 0.8 percent since March and 1.2 percent over the year

The Consumer Price Index for All Urban Consumers (CPI-U) for Washington-Baltimore increased 0.8 percent over the last two months, the U.S. Bureau of Labor Statistics reported today. Regional Commissioner Sheila Watkins noted the rise was due mostly to a 7.3-percent increase in the energy index and a 0.5-percent advance in the all items less food and energy index. The food index also rose since March, up 0.1 percent. (Data in this report are not seasonally adjusted. Accordingly, month-to-month changes may reflect the impact of seasonal influences.)

Over the last 12 months, the CPI-U increased 1.2 percent, due mostly to a 1.7-percent rise in the all items less food and energy index. (See [chart 1](#) and [table A](#).) Since May 2015, the food index rose 1.0 percent, while the energy index fell 4.3 percent. (See [table 1](#).)

Chart 1. Over-the-year percent change in CPI-U, Washington, D.C., May 2013–May 2016



Source: U.S. Bureau of Labor Statistics.

Food

After increasing 0.3 percent from January to March, the food index inched up 0.1 percent over the last two months. Prices for food away from home rose 0.4 percent over the last two months; those for food at home declined 0.1 percent. Lower prices for carbonated drinks, eggs, and frozen fruits and vegetables contributed to the decrease in the food at home index.

Food prices rose 1.0 percent over the year, as prices for both components also increased. Prices for food away from home advanced 2.1 percent and those for food at home increased 0.1 percent since last May.

Energy

Since March, the energy index, which includes prices for household and transportation fuels, rose 7.3 percent due to a 19.0-percent increase in gasoline prices—the largest two-month increase for this index since April 2011. Prices for both electricity and utility (piped) gas service declined over the last two months, down 0.3 and 0.8 percent, respectively.

Energy prices fell 4.3 percent over the year, led by a 12.9-percent drop in gasoline prices. Utility (piped) gas service prices also declined, dropping 8.5 percent, while electricity prices rose 9.5 percent since last May.

All items less food and energy

The index for all items less food and energy increased 0.5 percent since March. The increase was due largely to higher prices for shelter (0.6 percent) and apparel (2.9 percent). Moderating the increase in the all items less food and energy index were lower prices for education and communication (-0.7 percent) and medical care (-0.6 percent) over the last two months.

Since May 2015, the index for all items less food and energy rose 1.7 percent. The increase was due largely to an over-the-year rise in shelter prices (2.5 percent). Higher prices for education and communication (2.6 percent) and apparel (5.9 percent), among others, also contributed to the rise.

Table A. Washington, D.C. CPI-U 2-month and 12-month percent changes, all items index, not seasonally adjusted

| Month | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|----------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| | 2-month | 12-month | 2-month | 12-month | 2-month | 12-month | 2-month | 12-month | 2-month | 12-month |
| January..... | 0.4 | 2.7 | 0.1 | 1.8 | 0.4 | 1.9 | -1.0 | -0.2 | -0.2 | 1.4 |
| March | 1.3 | 2.8 | 0.9 | 1.4 | 0.6 | 1.6 | 1.0 | 0.2 | 0.6 | 1.0 |
| May..... | 0.1 | 1.8 | -0.2 | 1.2 | 0.4 | 2.2 | 0.6 | 0.4 | 0.8 | 1.2 |
| July | -0.2 | 1.4 | 0.5 | 1.9 | 0.0 | 1.7 | -0.2 | 0.2 | | |
| September..... | 1.3 | 2.8 | 0.6 | 1.2 | 0.2 | 1.3 | 0.5 | 0.5 | | |
| November..... | -0.7 | 2.1 | -0.2 | 1.7 | -0.4 | 1.2 | -0.3 | 0.6 | | |

The Consumer Price Index for July 2016 is scheduled to be released on Tuesday, August 16, 2016, at 8:30 a.m. (EDT).

Technical Note

The Consumer Price Index for Washington-Baltimore is published bi-monthly. The Consumer Price Index (CPI) is a measure of the average change in prices over time in a fixed market basket of goods and services. The Bureau of Labor Statistics publishes CPIs for two population groups: (1) a CPI for All Urban Consumers (CPI-U) which covers approximately 89 percent of the total population and (2) a CPI for Urban Wage Earners and Clerical Workers (CPI-W) which covers approximately 28 percent of the total population. The CPI-U includes, in addition to wage earners and clerical workers, groups such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force.

The CPI is based on prices of food, clothing, shelter, and fuels, transportation fares, charges for doctors' and dentists' services, drugs, and the other goods and services that people buy for day-to-day living. Each month, prices are collected in 87 urban areas across the country from about 4,000 housing units and approximately 26,000 retail establishments--department stores, supermarkets, hospitals, filling stations, and other types of stores and service establishments. All taxes directly associated with the purchase and use of items are included in the index.








































The index measures price changes from a designated reference date (1982-84) that equals 100.0. An increase of 16.5 percent, for example, is shown as 116.5. This change can also be expressed in dollars as follows: the price of a base period "market basket" of goods and services in the CPI has risen from \$10 in 1982-84 to \$11.65. For further details see the CPI home page on the Internet at www.bls.gov/cpi and the BLS Handbook of Methods, Chapter 17, The Consumer Price Index, available on the Internet at www.bls.gov/opub/hom/pdf/homch17.pdf.

In calculating the index, price changes for the various items in each location are averaged together with weights that represent their importance in the spending of the appropriate population group. Local data are then combined to obtain a U.S. city average. Because the sample size of a local area is smaller, the local area index is subject to substantially more sampling and other measurement error than the national index. In addition, local indexes are not adjusted for seasonal influences. As a result, local area indexes show greater volatility than the national index, although their long-term trends are quite similar. **Note: Area indexes do not measure differences in the level of prices between cities; they only measure the average change in prices for each area since the base period.**

The **Washington-Baltimore, D.C.-Md.-Va.-W.Va., Consolidated Metropolitan Statistical Area** includes the District of Columbia; Baltimore City and the counties of Anne Arundel, Baltimore, Calvert, Carroll, Charles, Frederick, Harford, Howard, Montgomery, Prince George's, Queen Anne's, and Washington in Maryland; the cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, and Manassas Park and the counties of Arlington, Clarke, Culpeper, Fairfax, Fauquier, King George, Loudoun, Prince William, Spotsylvania, Stafford, and Warren in Virginia; and the counties of Berkeley and Jefferson in West Virginia.






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Table 1. Consumer Price Index for All Urban Consumers (CPI-U): Indexes and percent changes for selected periods, Washington-Baltimore, D.C.-Md.-Va.-W.Va., (December 1997=100 unless otherwise noted) (not seasonally adjusted)

| Expenditure category | Indexes | | | | Percent change from | | |
|---|---|-----------|-----------|----------|---------------------|-----------|-----------|
| | Historical data | Mar. 2016 | Apr. 2016 | May 2016 | May 2015 | Mar. 2016 | Apr. 2016 |
| All items ⁽¹⁾ |  | 156.493 | | 157.770 | 1.2 | 0.8 | |
| Food and beverages ⁽¹⁾ |  | 156.506 | | 156.729 | 0.9 | 0.1 | |
| Food ⁽¹⁾ |  | 157.971 | | 158.170 | 1.0 | 0.1 | |
| Food at home..... |  | 148.146 | 148.047 | 147.956 | 0.1 | -0.1 | -0.1 |
| Food away from home ⁽²⁾ |  | 167.780 | | 168.496 | 2.1 | 0.4 | |
| Alcoholic beverages ⁽²⁾ |  | 135.989 | | 136.543 | -0.6 | 0.4 | |
| Housing ⁽¹⁾ |  | 169.966 | | 170.732 | 2.3 | 0.5 | |
| Shelter..... |  | 182.138 | 182.574 | 183.164 | 2.5 | 0.6 | 0.3 |
| Rent of primary residence ^{(1) (3)} |  | 200.947 | 201.274 | 201.674 | 1.6 | 0.4 | 0.2 |
| Owners' equivalent rent of residences ^{(3) (4)} |  | 181.501 | 182.087 | 182.068 | 2.1 | 0.3 | 0.0 |
| Owners' equivalent rent of primary residence ^{(3) (4)} |  | 181.490 | 182.073 | 182.057 | 2.1 | 0.3 | 0.0 |
| Fuels and utilities..... |  | 187.463 | | 186.920 | 5.2 | -0.3 | |
| Household energy..... |  | 176.685 | 175.282 | 176.046 | 4.6 | -0.4 | 0.4 |
| Gas (piped) and electricity ⁽³⁾ |  | 170.322 | 168.856 | 169.592 | 5.3 | -0.4 | 0.4 |
| Electricity ⁽³⁾ |  | 183.905 | 183.955 | 183.270 | 9.5 | -0.3 | -0.4 |
| Utility (piped) gas service ⁽³⁾ |  | 114.162 | 108.667 | 113.249 | -8.5 | -0.8 | 4.2 |
| Household furnishings and operations..... |  | 87.209 | | 87.392 | -2.7 | 0.2 | |
| Apparel ⁽¹⁾ |  | 100.029 | | 102.971 | 5.9 | 2.9 | |
| Transportation ⁽¹⁾ |  | 135.805 | | 140.944 | -3.8 | 3.8 | |
| Private transportation..... |  | 133.611 | | 138.138 | -2.9 | 3.4 | |
| Motor fuel..... |  | 164.492 | 182.640 | 195.430 | -13.1 | 18.8 | 7.0 |
| Gasoline (all types)..... |  | 164.345 | 182.696 | 195.522 | -12.9 | 19.0 | 7.0 |
| Gasoline, unleaded regular ⁽⁵⁾ |  | 161.480 | 180.180 | 193.636 | -14.1 | 19.9 | 7.5 |
| Gasoline, unleaded midgrade ⁽⁵⁾ |  | 179.213 | 196.474 | 207.400 | -9.4 | 15.7 | 5.6 |
| Gasoline, unleaded premium ⁽⁵⁾ |  | 185.272 | 202.845 | 214.433 | -8.1 | 15.7 | 5.7 |
| Medical care ⁽¹⁾ |  | 183.828 | | 182.683 | 1.4 | -0.6 | |
| Recreation..... |  | 120.453 | | 119.777 | 0.5 | -0.6 | |
| Education and communication..... |  | 153.058 | | 151.980 | 2.6 | -0.7 | |
| Other goods and services ⁽¹⁾ |  | 177.702 | | 179.256 | 0.5 | 0.9 | |
| Commodity and service group | | | | | | | |
| Commodities..... |  | 124.742 | | 126.088 | -1.3 | 1.1 | |
| Commodities less food and beverages..... |  | 107.387 | | 109.196 | -3.1 | 1.7 | |
| Nondurables less food and beverages..... |  | 132.062 | | 137.844 | -2.8 | 4.4 | |
| Durables..... |  | 80.348 | | 79.584 | -2.3 | -1.0 | |
| Services..... |  | 177.903 | | 179.121 | 2.5 | 0.7 | |
| Special aggregate indexes | | | | | | | |
| All items less shelter..... |  | 143.825 | | 145.201 | 0.4 | 1.0 | |
| All items less medical care ⁽¹⁾ |  | 154.747 | | 156.195 | 1.2 | 0.9 | |
| Commodities less food..... |  | 108.727 | | 110.508 | -2.9 | 1.6 | |
| Nondurables..... |  | 144.088 | | 146.939 | -0.8 | 2.0 | |
| Nondurables less food..... |  | 132.489 | | 137.913 | -2.6 | 4.1 | |

Note: See footnotes at end of table.

Table 1. Consumer Price Index for All Urban Consumers (CPI-U): Indexes and percent changes for selected periods, Washington-Baltimore, D.C.-Md.-Va.-W.Va., (December 1997=100 unless otherwise noted) (not seasonally adjusted) - Continued

| Expenditure category | Indexes | | | | Percent change from | | |
|---|---|-----------|-----------|----------|---------------------|-----------|-----------|
| | Historical data | Mar. 2016 | Apr. 2016 | May 2016 | May 2015 | Mar. 2016 | Apr. 2016 |
| Services less rent of shelter |  | 173.962 | | 175.383 | 2.5 | 0.8 | |
| Services less medical care services |  | 177.282 | | 178.579 | 2.5 | 0.7 | |
| Energy ⁽¹⁾ |  | 171.291 | 178.029 | 183.798 | -4.3 | 7.3 | 3.2 |
| All items less energy |  | 154.153 | | 154.813 | 1.6 | 0.4 | |
| All items less food and energy ⁽¹⁾ |  | 154.506 | | 155.237 | 1.7 | 0.5 | |

Footnotes

(1) Indexes on a November 1996=100 base.

(2) Indexes on a November 1997=100 base.

(3) This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.

(4) This index series underwent a change in composition in January 2010. The expenditure class now includes weight from secondary residences, and has been re-titled "Owners' equivalent rent of residences." The item stratum "Owners' equivalent rent of primary residence" excludes secondary residences.

(5) Special index based on a substantially smaller sample.

Note: Index applies to a month as a whole, not to any specific date.