Variance Estimates for Price Changes in the Consumer Price Index
January -December 2016

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This article presents variance estimates for 1-month, 2-month, 6-month, and 12-month percent changes in the Consumer Price Index for All Urban Consumers (CPI-U). Variance is a measure of the uncertainty caused by the use of a sample of retail prices, instead of the complete universe of retail prices. The estimates cover the period January 2016 through December 2016. Each month the U.S. Bureau of Labor Statistics collects about prices from a sample of approximately 82,000 commodities and services (C&S) quotes in approximately 32,000 outlets1 around the United States for the Consumer Price Index (CPI).

The most commonly used measure of sampling variability is the standard error of the estimate – the square root of the variance. The standard error of the CPI’s change can be used to construct confidence intervals to determine whether the change for a particular CPI series is significantly different from zero. This information should help users determine which index changes are significant.

Presentation of findings

The percent changes in the CPI along with their standard errors were estimated for the 12 months, January through December 2016. In summary, tables 1V through 5V show the median values of those percent changes, as well as the median values of the standard errors. Table 1V shows this information for U.S. city average, and tables 2V through 5V show the same information for the Northeast, Midwest, South, and West regions of the country.

For example, from January through December 2016, the 1-month changes in the U.S. city average all items index had a median value of 0.15 percent. The standard errors of those 12 estimates had a median value of 0.03 percent. Margins of error are usually expressed as a statistic’s point estimate plus or minus two standard errors, so the margin of error on this CPI’s 1-month change is approximately 0.15 percent plus or minus 0.06 percent. Therefore, in a typical 1-month period, the true change in the CPI was probably somewhere between 0.09 percent and 0.21 percent. The tables also show median percent changes and standard errors for 2- and 6-month intervals and for the full year 2016. Margins of error can be calculated for these intervals in the same way as for a 1-month period.

Analysis of findings

Analyzing the data reveals three significant observations. First, standard errors increase as one moves from the U.S. city average to individual regions of the country and from all items to individual item categories. Second, standard errors differ between item categories. Third, the standard errors

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1 In addition, BLS collects approximately 5,700 housing quotes, for Rent and Rental Equivalence (REQ), each month.
decrease on a relative basis (standard error divided by price change), as the price change interval gets longer.

The primary reason standard errors increase as one moves from the U.S. city average to individual regions of the country is that sample sizes differ. In general, smaller sample sizes lead to larger standard errors. For example, the U.S. city average all items index is computed each month from approximately 82,000 prices throughout the United States, and its median standard error for 1-month changes is 0.03 percent. By contrast, the Northeast region all items index is computed from approximately 17,000 prices, and its median standard error is 0.07 percent. Regional indexes have larger standard errors because their sample sizes are smaller.

One can observe this same effect moving from the all items index to individual item categories. Again, the U.S. city average all items index is computed each month from the prices of approximately 82,000 selected items, and its median standard error is 0.03 percent. By contrast, the U.S. city average recreation index is computed from about 5,700 prices, and its median standard error is 0.12 percent, or four times as large. Again, smaller sample sizes lead to larger standard errors.

The second significant observation is that standard errors differ between item categories. There are two reasons for this. First, item categories differ in sample size. For example, the U.S. city average food and beverages index is computed from approximately 35,000 prices each month, while the U.S. city average recreation index is computed from approximately 5,700 prices. Therefore, it is not surprising that the recreation index has larger standard errors. Second, there are real differences in item category price behaviors caused by different selling practices, seasonal influences, and consumer demand. This is especially true for the apparel category, in which it is common for the prices of individual items to fluctuate by 50 percent or more each month. As a result, standard errors for apparel indexes are large.

The third observation is that standard errors decrease, on a relative basis (standard error divided by price change), as the price change interval gets longer. For the U.S. city average all items index, the median standard error divided by the median percent change is $0.03/0.15 = 0.20$ for 1-month changes, $0.05/0.29 = 0.172$ for 2-month changes, $0.05/0.81 = 0.062$ for 6-month changes, and $0.06/1.09 = 0.055$ for the 12-month change between December 2015 and December 2016. This shows that the relative accuracy of percent changes in the CPI generally improves as the price change interval gets longer. On an absolute basis, standard errors increase, but at a decreasing rate.

Findings presented here indicate that users should exercise caution when using CPI estimates to make inferences about index changes for relatively short time periods, for individual goods and services, or for local areas. The standard errors of those estimates may be on the same order of magnitude as the estimates themselves; and, thus, few inferences about them are reliable.

Sources of error

One way of analyzing the error in a survey estimate is to divide the total error into two sources: sampling error and non-sampling error. Sampling error is the uncertainty in the CPI caused by the fact that a sample of retail prices is used to compute the CPI, instead of using the complete universe of retail prices. Non-sampling error is the rest of the error. Non-sampling error includes things such as incorrect information given by survey respondents, data processing errors, and so forth. Non-
sampling error arises regardless of whether data are collected from a sample of retail prices or from the complete universe.

Another way of analyzing error is to divide it into variance and bias. The variance of the CPI is a measure of how close different estimates of the CPI would be to each other if it were possible to repeat the survey over and over using different samples. Of course, it is not feasible to repeat the survey multiple times, but statistical theory allows the CPI’s variance to be estimated anyway. A small variance, for example, indicates that multiple independent samples would produce values that are consistently very close to each other. Bias is the difference between the CPI’s expected value and its true value. A statistic may have a small variance but a large bias, or it may have a large variance but a small bias. For an index to be considered accurate, both its variance and bias need to be small.

The Bureau of Labor Statistics (BLS) is constantly trying to reduce the error in the CPI. Variance and sampling error are reduced by using a sample of retail prices that is as large as possible, given resource constraints. BLS has developed a model that optimizes the allocation of resources by indicating the number of prices that should be observed in each geographic area and each item category, in order to minimize the variance of the U.S. city average all items index. BLS reduces non-sampling error through a series of computerized and professional data reviews, as well as through continuous survey process improvements and theoretical research.

**Replication and variance estimation**

An important advantage of using sampling is that the CPI’s variance can be estimated directly from the sample data. Starting in 1978, the CPI’s sample design has accommodated variance estimation by using two or more independent samples of items and outlets in each geographic area. This allows two or more statistically independent estimates of the index to be made. The independent samples are called replicates, and the set of all observed prices is called the full sample.

BLS collects CPI data in 38 geographic areas across the United States. These areas consist of 31 self-representing areas and 7 non-self-representing areas. Self-representing areas are large metropolitan areas, such as the Boston, St. Louis, and San Francisco metropolitan areas. Non-self-representing areas are collections of smaller metropolitan areas. For example, one non-self-representing area is a collection of 32 small metropolitan areas in the Northeast region (Buffalo, Hartford, Providence, Bangor, and others), of which 8 were randomly selected to represent the entire set. Within each of the 38 areas, price data are collected for 211 item categories called item strata. Together the 211 item strata cover all consumer purchases. Examples of item strata are bananas, women’s dresses, and electricity.

Multiplying the number of areas by the number of item strata gives 8,018 (= 38 \times 211) different area and item combinations for which price indexes need to be calculated. Separate price indexes are calculated for each one of these 8,018 area and item combinations. After all 8,018 of these basic-level indexes are calculated, they are aggregated to form higher-level indexes, using expenditure estimates from the Consumer Expenditure Survey as their weights. Examples of higher-level geographic areas are the four regions (Northeast, Midwest, South, and West); and examples of higher-level item categories are the eight major groups (food & beverages, housing, apparel, transportation, medical care, education and communication, recreation, and other goods and services). The highest level of geographic aggregation is the U.S. city average, and the highest level of item aggregation is all items.
Variances are computed with a Stratified Random Groups Method, in which variances are computed separately for certain subsets of areas and items and are then combined to produce the variance of the entire area and item combination. Subsets of items are formed by the intersection of the item category with each of the eight major groups.

Let $CPI(A,I,f,t)$ denote the index value where $A =$ area, $I =$ item category, $f$ indicates that it is the full-sample value, and $t =$ month; and let $CPI(A,I,f,t-k)$ denote the value of the same index in month $= t-k$. In general, the upper-case letter $A$ denotes a set of areas, such as the Northeast or Midwest region of the country; and the upper-case letter $I$ denotes a higher-level item category, such as all items or all items less food and energy. Also let $CPI(A,I,r,t)$ and $CPI(A,I,r,t-k)$ be the corresponding index values for replicate $= r$. Most areas have two replicates, but some have more. Then, the full-sample k-month percent change between months $t-k$ and $t$ is computed by dividing $CPI(A,I,f,t)$ by $CPI(A,I,f,t-k)$, subtracting 1, and multiplying by 100:

$$PC(A,I,f,t,t-k) = \left( \frac{CPI(A,I,f,t)}{CPI(A,I,f,t-k)} - 1 \right) \times 100$$

Every index has a weight $W(A,I,f)$ or $W(A,I,r)$ associated with it, which is used to combine the index with other indexes to produce indexes for larger geographic areas and larger item categories. For example, the weights are used to combine all 8,018 basic-level indexes into higher-level indexes such as the U.S. city average all items index. The product of an index and its weight is called a cost weight, $CW(A,I,r,t) = CPI(A,I,r,t) \times W(A,I,r)$, and is an estimate of the total cost in area $= A$ for consumption of item category $= I$ in month $= t$.

For the Stratified Random Groups method used here, replicate percent changes are defined as follows: full sample cost weights are used for every geographic area within area $= A$ except for one of the areas. In the omitted area, the full sample cost weight is replaced by a replicate cost weight. Let the lower case letter $a$ denote one of the 38 basic-level areas included in area $= A$, and let the lower case letter $i$ denote the intersection of item category $= I$ with one of the 8 major groups. Then, the replicate percent change, for area $= a$, item subset $= i$, replicate $= r$, between months $t-k$ and $t$, is computed as:

$$PC_a(a,i,r,t,t-k) = \left( \frac{CW(A,I,f,t) - CW(a,i,f,t) + CW(a,i,r,t)}{CW(A,I,f,t-k) - CW(a,i,f,t-k) + CW(a,i,r,t-k)} - 1 \right) \times 100$$

Then, the variance is computed with the following Stratified Random Groups Variance Estimation Formula:

$$V[PC(A,I,f,t,t-k)] = \sum_{i:I \subset A} \sum_{a:A} \frac{1}{R_a(R_a-1)} \sum_{r=1}^{R_a} (PC_s(a,i,r,t,t-k) - PC(A,I,t,t-k))^2$$

The number $R_a$ is the number of replicates in area $= a$.

Finally, the standard error of the percent change is computed by taking the square root of its variance:
\[ SE[PC(A, I, f, t, t-k)] = \sqrt{V[PC(A, I, f, t, t-k)]}. \]

For more information, contact the CPI information and analysis office at write to the CPI Information Office at cpi_info@bls.gov or (202)691-7000.
<table>
<thead>
<tr>
<th>Item and group</th>
<th>1 Month</th>
<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Median price change</td>
<td>Median standard error</td>
<td>Median price change</td>
<td>Median standard error</td>
</tr>
<tr>
<td>Meats, poultry, fish, and eggs</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Meats</td>
<td>-0.02</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td>Meats other than white</td>
<td>-0.11</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Beef and veal</td>
<td>0.10</td>
<td>0.00</td>
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<tr>
<td>Uncooked ground beef</td>
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<td>0.00</td>
<td>0.00</td>
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<td>Uncooked beef roasts</td>
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<td>0.00</td>
<td>0.00</td>
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<td>Bacon and related products</td>
<td>-0.13</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Ham and minced canned</td>
<td>-0.13</td>
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<td>Pork chops</td>
<td>-0.14</td>
<td>0.00</td>
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<tr>
<td>Other pork including roasts and picnics</td>
<td>-0.16</td>
<td>0.00</td>
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<tr>
<td>Other meats</td>
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<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Frankfurters</td>
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<td>Lunchmeats</td>
<td>-0.24</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Lamb and organ meats</td>
<td>-0.25</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Lamb and mutton</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Chicken</td>
<td>-0.26</td>
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<tr>
<td>Fresh whole chicken</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Fresh and frozen chicken parts</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Other poultry including turkey</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Fish and seafood</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Fresh fish and seafood</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Processed fish and seafood</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Shelf stable fish and seafood</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Frozen fish and seafood</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Eggs</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Dairy and related products</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Fresh whole milk</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Fresh milk other than whole</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Cheese and related products</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Ice cream and related products</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Other dairy and related products</td>
<td>-0.26</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>
Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016-Continued

<table>
<thead>
<tr>
<th>Item and group</th>
<th>1 Month</th>
<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Median price change</td>
<td>Median standard error</td>
<td>Median price change</td>
<td>Median standard error</td>
</tr>
<tr>
<td>Expenditure category</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Fruits and vegetables</td>
<td>-0.17</td>
<td>0.28</td>
<td>-0.47</td>
<td>0.34</td>
</tr>
<tr>
<td>Fresh fruits and vegetables</td>
<td>-2.7</td>
<td>-3.3</td>
<td>-6.8</td>
<td>-6.8</td>
</tr>
<tr>
<td>Fresh fruits</td>
<td>0.33</td>
<td>0.48</td>
<td>0.45</td>
<td>0.54</td>
</tr>
<tr>
<td>Apples</td>
<td>0.84</td>
<td>0.97</td>
<td>1.80</td>
<td>1.08</td>
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<tr>
<td>Bananas</td>
<td>-4.6</td>
<td>-7.0</td>
<td>-19</td>
<td>-19</td>
</tr>
<tr>
<td>Citrus fruits</td>
<td>1.29</td>
<td>1.35</td>
<td>2.53</td>
<td>1.11</td>
</tr>
<tr>
<td>Oranges, including tangerines</td>
<td>1.12</td>
<td>1.35</td>
<td>2.35</td>
<td>1.61</td>
</tr>
<tr>
<td>Other fresh fruits</td>
<td>0.45</td>
<td>0.86</td>
<td>1.04</td>
<td>0.96</td>
</tr>
<tr>
<td>Fresh vegetables</td>
<td>-2.4</td>
<td>-5.5</td>
<td>-41</td>
<td>-65</td>
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<tr>
<td>Potatoes</td>
<td>0.44</td>
<td>1.11</td>
<td>1.17</td>
<td>1.31</td>
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<tr>
<td>Lettuce</td>
<td>-1.83</td>
<td>1.38</td>
<td>-1.86</td>
<td>1.58</td>
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<tr>
<td>Tomatoes</td>
<td>-35</td>
<td>1.30</td>
<td>1.16</td>
<td>1.55</td>
</tr>
<tr>
<td>Canned fruits and vegetables</td>
<td>0.05</td>
<td>0.58</td>
<td>12</td>
<td>0.67</td>
</tr>
<tr>
<td>Canned fruits</td>
<td>-0.07</td>
<td>0.77</td>
<td>-15</td>
<td>0.82</td>
</tr>
<tr>
<td>Canned vegetables</td>
<td>0.22</td>
<td>0.80</td>
<td>-20</td>
<td>0.94</td>
</tr>
<tr>
<td>Frozen fruits and vegetables</td>
<td>0.01</td>
<td>0.93</td>
<td>15</td>
<td>1.00</td>
</tr>
<tr>
<td>Frozen vegetables</td>
<td>-1.17</td>
<td>1.27</td>
<td>0.05</td>
<td>1.29</td>
</tr>
<tr>
<td>Other processed fruits and vegetables including dried</td>
<td>0.60</td>
<td>0.81</td>
<td>0.54</td>
<td>0.81</td>
</tr>
<tr>
<td>Dried beans, peas, and lentils</td>
<td>-37</td>
<td>-0.82</td>
<td>-0.80</td>
<td>-0.87</td>
</tr>
<tr>
<td>Nonalcoholic beverages and beverage materials</td>
<td>-0.02</td>
<td>-0.34</td>
<td>-0.22</td>
<td>-0.37</td>
</tr>
<tr>
<td>Juices and nonalcoholic drinks</td>
<td>0.20</td>
<td>0.42</td>
<td>0.02</td>
<td>0.45</td>
</tr>
<tr>
<td>Carbonated drinks</td>
<td>0.04</td>
<td>0.75</td>
<td>0.36</td>
<td>0.80</td>
</tr>
<tr>
<td>Frozen noncarbonated juices and drinks</td>
<td>0.25</td>
<td>0.58</td>
<td>0.68</td>
<td>0.70</td>
</tr>
<tr>
<td>Beverages excluding coffee and tea</td>
<td>-0.08</td>
<td>0.51</td>
<td>-0.59</td>
<td>0.55</td>
</tr>
<tr>
<td>Coffee</td>
<td>-0.45</td>
<td>0.72</td>
<td>-0.67</td>
<td>0.74</td>
</tr>
<tr>
<td>Roasted coffee</td>
<td>-0.65</td>
<td>0.96</td>
<td>-0.77</td>
<td>1.10</td>
</tr>
<tr>
<td>Instant coffee</td>
<td>-0.38</td>
<td>1.06</td>
<td>0.20</td>
<td>0.97</td>
</tr>
<tr>
<td>Other beverage materials including tea</td>
<td>0.04</td>
<td>0.65</td>
<td>0.16</td>
<td>0.76</td>
</tr>
<tr>
<td>Other food at home</td>
<td>0.00</td>
<td>0.20</td>
<td>-0.27</td>
<td>0.21</td>
</tr>
<tr>
<td>Sugar and sweets</td>
<td>-0.01</td>
<td>0.47</td>
<td>-0.06</td>
<td>0.53</td>
</tr>
<tr>
<td>Sugar and artificial sweeteners</td>
<td>-0.59</td>
<td>0.71</td>
<td>0.28</td>
<td>0.71</td>
</tr>
<tr>
<td>Candy and chewing gum</td>
<td>0.08</td>
<td>0.68</td>
<td>0.05</td>
<td>0.72</td>
</tr>
<tr>
<td>Other sweets</td>
<td>-0.36</td>
<td>0.67</td>
<td>0.17</td>
<td>0.92</td>
</tr>
<tr>
<td>Fats and oils</td>
<td>0.00</td>
<td>0.42</td>
<td>-0.14</td>
<td>0.45</td>
</tr>
<tr>
<td>Butter</td>
<td>-1.13</td>
<td>0.81</td>
<td>0.28</td>
<td>0.89</td>
</tr>
<tr>
<td>Margarine</td>
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<td>1.05</td>
<td>0.06</td>
<td>1.20</td>
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<td>Salad dressing</td>
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<td>0.89</td>
<td>0.15</td>
<td>0.43</td>
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<tr>
<td>Other fats and oils including peanut butter</td>
<td>-1.78</td>
<td>0.83</td>
<td>0.10</td>
<td>0.67</td>
</tr>
<tr>
<td>Peanut butter</td>
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Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016-Continued

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<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
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Table 14. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016-Continued
### Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016-Continued

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<td>0.13</td>
<td>-0.37</td>
<td>0.18</td>
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<tr>
<td>Wireless telephone services</td>
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<td>-0.56</td>
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</tr>
<tr>
<td>Land-line telephone services</td>
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<td>0.29</td>
</tr>
<tr>
<td>Personal care products</td>
<td>-0.16</td>
<td>0.32</td>
<td>-0.33</td>
<td>0.43</td>
</tr>
<tr>
<td>Tobacco products other than cigarettes</td>
<td>-0.42</td>
<td>0.47</td>
<td>-0.95</td>
<td>0.64</td>
</tr>
<tr>
<td>Personal care</td>
<td>-0.27</td>
<td>0.34</td>
<td>-0.34</td>
<td>0.45</td>
</tr>
<tr>
<td>Personal care products</td>
<td>0.23</td>
<td>0.15</td>
<td>0.59</td>
<td>0.17</td>
</tr>
<tr>
<td>Transportation services</td>
<td>0.09</td>
<td>0.04</td>
<td>0.46</td>
<td>0.06</td>
</tr>
<tr>
<td>Rent of shelter</td>
<td>-0.29</td>
<td>0.07</td>
<td>-0.10</td>
<td>0.07</td>
</tr>
<tr>
<td>Legal services</td>
<td>0.08</td>
<td>0.12</td>
<td>0.21</td>
<td>0.13</td>
</tr>
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<td>Funeral expenses</td>
<td>0.15</td>
<td>0.09</td>
<td>0.28</td>
<td>0.14</td>
</tr>
<tr>
<td>Haircut and other personal care services</td>
<td>0.10</td>
<td>0.10</td>
<td>0.41</td>
<td>0.19</td>
</tr>
<tr>
<td>Miscellaneous personal services</td>
<td>0.25</td>
<td>0.13</td>
<td>0.51</td>
<td>0.17</td>
</tr>
<tr>
<td>Miscellaneous personal goods</td>
<td>0.08</td>
<td>0.08</td>
<td>0.40</td>
<td>0.09</td>
</tr>
<tr>
<td>Stationery, stationery supplies, gift wrap</td>
<td>0.14</td>
<td>0.57</td>
<td>0.47</td>
<td>0.86</td>
</tr>
<tr>
<td>Infants’ equipment</td>
<td>0.02</td>
<td>0.59</td>
<td>-1.39</td>
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### Special aggregate indexes

<table>
<thead>
<tr>
<th>Commodity type</th>
<th>1 Month</th>
<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodities less food and beverages</td>
<td>-0.03</td>
<td>0.05</td>
<td>-0.10</td>
<td>0.07</td>
</tr>
<tr>
<td>Nondurables less food and beverages, and apparel</td>
<td>0.00</td>
<td>0.07</td>
<td>0.17</td>
<td>0.10</td>
</tr>
<tr>
<td>Durables</td>
<td>0.15</td>
<td>0.07</td>
<td>0.20</td>
<td>0.09</td>
</tr>
<tr>
<td>All items less food</td>
<td>0.14</td>
<td>0.04</td>
<td>0.30</td>
<td>0.05</td>
</tr>
<tr>
<td>All items less shelter</td>
<td>0.04</td>
<td>0.03</td>
<td>0.11</td>
<td>0.05</td>
</tr>
</tbody>
</table>
### Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016-Continued

<table>
<thead>
<tr>
<th>Item and group</th>
<th>U.S. city average</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 Month</td>
</tr>
<tr>
<td></td>
<td>Median price change</td>
</tr>
<tr>
<td><strong>Special aggregate indexes</strong></td>
<td></td>
</tr>
<tr>
<td>All items less medical care</td>
<td>0.13</td>
</tr>
<tr>
<td>Commodities less food</td>
<td>0.00</td>
</tr>
<tr>
<td>Nondurables less food</td>
<td>0.29</td>
</tr>
<tr>
<td>Nondurables less food and apparel</td>
<td>0.61</td>
</tr>
<tr>
<td>Nondurables</td>
<td>0.12</td>
</tr>
<tr>
<td>Apparel less footwear</td>
<td>0.14</td>
</tr>
<tr>
<td>Services less rent of shelter</td>
<td>0.17</td>
</tr>
<tr>
<td>Services less medical care services</td>
<td>0.21</td>
</tr>
<tr>
<td>Energy</td>
<td>0.23</td>
</tr>
<tr>
<td>All items less energy</td>
<td>0.17</td>
</tr>
<tr>
<td>All items less food and energy</td>
<td>0.20</td>
</tr>
<tr>
<td>All items less food and shelter</td>
<td>0.00</td>
</tr>
<tr>
<td>All items less food, shelter, and energy</td>
<td>0.11</td>
</tr>
<tr>
<td>All items less food, shelter, energy, and used cars and trucks</td>
<td>0.18</td>
</tr>
<tr>
<td>Commodities less food and energy commodities</td>
<td>0.12</td>
</tr>
<tr>
<td>Commodities less food, energy, and used cars and trucks</td>
<td>0.09</td>
</tr>
<tr>
<td>Energy commodities</td>
<td>1.92</td>
</tr>
<tr>
<td>Domestically produced farm food</td>
<td>-0.12</td>
</tr>
<tr>
<td>Utilities and public transportation</td>
<td>0.00</td>
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</table>
### Table 2V. Northeast Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016

<table>
<thead>
<tr>
<th>Item and group</th>
<th>1 Month Median price change</th>
<th>1 Month Median standard error</th>
<th>2 Month Median price change</th>
<th>2 Month Median standard error</th>
<th>6 Month Median price change</th>
<th>6 Month Median standard error</th>
<th>12 Month Median price change</th>
<th>12 Month Median standard error</th>
</tr>
</thead>
<tbody>
<tr>
<td>All items</td>
<td>0.20</td>
<td>0.07</td>
<td>0.25</td>
<td>0.09</td>
<td>0.81</td>
<td>0.14</td>
<td>0.94</td>
<td>0.14</td>
</tr>
<tr>
<td>Food and beverages</td>
<td>-0.03</td>
<td>0.14</td>
<td>0.05</td>
<td>0.16</td>
<td>-0.05</td>
<td>0.18</td>
<td>-0.15</td>
<td>0.20</td>
</tr>
<tr>
<td>Food</td>
<td>-0.04</td>
<td>0.05</td>
<td>0.03</td>
<td>0.16</td>
<td>-0.09</td>
<td>0.20</td>
<td>-0.13</td>
<td>0.20</td>
</tr>
<tr>
<td>Rent of primary residence</td>
<td>0.16</td>
<td>0.23</td>
<td>-0.30</td>
<td>0.26</td>
<td>-1.00</td>
<td>0.29</td>
<td>-1.64</td>
<td>0.30</td>
</tr>
<tr>
<td>Shelter</td>
<td>-0.10</td>
<td>0.10</td>
<td>0.19</td>
<td>0.17</td>
<td>1.36</td>
<td>0.21</td>
<td>2.64</td>
<td>0.31</td>
</tr>
<tr>
<td>All items less medical care services</td>
<td>-0.24</td>
<td>0.09</td>
<td>-0.50</td>
<td>0.14</td>
<td>-1.20</td>
<td>0.19</td>
<td>-2.28</td>
<td>0.15</td>
</tr>
<tr>
<td>All items less rent of shelter</td>
<td>-0.24</td>
<td>0.09</td>
<td>-0.50</td>
<td>0.14</td>
<td>-1.20</td>
<td>0.19</td>
<td>-2.28</td>
<td>0.15</td>
</tr>
<tr>
<td>Housing</td>
<td>0.20</td>
<td>0.10</td>
<td>0.37</td>
<td>0.17</td>
<td>1.14</td>
<td>0.25</td>
<td>1.81</td>
<td>0.19</td>
</tr>
<tr>
<td>Rent of primary residence</td>
<td>-0.05</td>
<td>0.14</td>
<td>-0.09</td>
<td>0.23</td>
<td>-0.63</td>
<td>0.28</td>
<td>-0.07</td>
<td>0.40</td>
</tr>
<tr>
<td>Owners' equivalent rent of residences</td>
<td>0.00</td>
<td>0.05</td>
<td>0.08</td>
<td>0.07</td>
<td>1.46</td>
<td>0.13</td>
<td>2.79</td>
<td>0.19</td>
</tr>
<tr>
<td>Owners' equivalent rent of primary residence</td>
<td>-0.05</td>
<td>0.14</td>
<td>-0.09</td>
<td>0.23</td>
<td>-0.63</td>
<td>0.28</td>
<td>-0.07</td>
<td>0.40</td>
</tr>
<tr>
<td>Energy services</td>
<td>0.25</td>
<td>0.18</td>
<td>0.53</td>
<td>0.25</td>
<td>0.56</td>
<td>0.36</td>
<td>-1.06</td>
<td>0.35</td>
</tr>
<tr>
<td>Electricity</td>
<td>-3.35</td>
<td>0.24</td>
<td>-12.30</td>
<td>0.20</td>
<td>-6.12</td>
<td>0.32</td>
<td>3.45</td>
<td>0.96</td>
</tr>
<tr>
<td>Household energy</td>
<td>2.28</td>
<td>0.16</td>
<td>0.13</td>
<td>0.23</td>
<td>0.90</td>
<td>0.34</td>
<td>-3.60</td>
<td>0.31</td>
</tr>
<tr>
<td>Energy services</td>
<td>0.25</td>
<td>0.18</td>
<td>0.53</td>
<td>0.25</td>
<td>0.56</td>
<td>0.36</td>
<td>-1.06</td>
<td>0.35</td>
</tr>
<tr>
<td>Transportation</td>
<td>0.16</td>
<td>0.14</td>
<td>0.08</td>
<td>0.18</td>
<td>0.23</td>
<td>0.21</td>
<td>-2.44</td>
<td>0.26</td>
</tr>
<tr>
<td>Private transportation</td>
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<td>0.11</td>
<td>-0.07</td>
<td>0.15</td>
<td>0.32</td>
<td>0.19</td>
<td>-2.84</td>
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<tr>
<td>New and used motor vehicles</td>
<td>0.00</td>
<td>0.17</td>
<td>0.34</td>
<td>0.28</td>
<td>0.61</td>
<td>0.36</td>
<td>-1.11</td>
<td>0.42</td>
</tr>
<tr>
<td>New vehicles</td>
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<td>0.14</td>
<td>-0.09</td>
<td>0.23</td>
<td>0.63</td>
<td>0.28</td>
<td>0.07</td>
<td>0.40</td>
</tr>
<tr>
<td>Used cars and trucks</td>
<td>-0.12</td>
<td>0.19</td>
<td>-0.06</td>
<td>0.31</td>
<td>0.42</td>
<td>0.49</td>
<td>-0.67</td>
<td>0.71</td>
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<tr>
<td>Motor fuel</td>
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<td>0.16</td>
<td>0.89</td>
<td>0.23</td>
<td>2.14</td>
<td>0.25</td>
<td>-14.00</td>
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</tr>
<tr>
<td>Gasoline, unleaded regular</td>
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<td>0.16</td>
<td>0.87</td>
<td>0.23</td>
<td>2.18</td>
<td>0.25</td>
<td>-13.88</td>
<td>0.33</td>
</tr>
<tr>
<td>Gasoline, unleaded midgrade</td>
<td>1.59</td>
<td>0.45</td>
<td>0.93</td>
<td>0.69</td>
<td>1.89</td>
<td>0.70</td>
<td>-11.67</td>
<td>0.71</td>
</tr>
<tr>
<td>Gasoline, unleaded premium</td>
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<td>0.40</td>
<td>0.81</td>
<td>0.54</td>
<td>1.74</td>
<td>0.54</td>
<td>-9.82</td>
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</tr>
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<td>Medical care commodities</td>
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<td>0.11</td>
<td>-0.18</td>
<td>0.14</td>
<td>-0.05</td>
<td>0.20</td>
<td>-1.60</td>
<td>0.26</td>
</tr>
<tr>
<td>Medical care services</td>
<td>-0.15</td>
<td>0.14</td>
<td>-0.08</td>
<td>0.19</td>
<td>-0.09</td>
<td>0.30</td>
<td>-3.30</td>
<td>0.40</td>
</tr>
<tr>
<td>Professional services</td>
<td>-0.35</td>
<td>0.15</td>
<td>-0.59</td>
<td>0.17</td>
<td>-1.09</td>
<td>0.25</td>
<td>-2.25</td>
<td>0.31</td>
</tr>
<tr>
<td>Recreation</td>
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<td>0.18</td>
<td>0.17</td>
<td>0.32</td>
<td>1.33</td>
<td>1.25</td>
<td>2.38</td>
<td>1.25</td>
</tr>
<tr>
<td>Education and communication</td>
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<td>0.19</td>
<td>0.30</td>
<td>0.32</td>
<td>0.46</td>
<td>0.40</td>
<td>0.48</td>
</tr>
<tr>
<td>Other goods and services</td>
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<td>0.24</td>
<td>0.37</td>
<td>0.31</td>
<td>1.60</td>
<td>0.44</td>
<td>2.93</td>
<td>0.68</td>
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</table>

#### Special aggregate indexes

<table>
<thead>
<tr>
<th>Item and group</th>
<th>Northeast Median price change</th>
<th>Northeast Median standard error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical care commodities</td>
<td>-0.11</td>
<td>0.11</td>
</tr>
<tr>
<td>Medical care services</td>
<td>-0.15</td>
<td>0.14</td>
</tr>
<tr>
<td>Professional services</td>
<td>-0.35</td>
<td>0.15</td>
</tr>
<tr>
<td>Transportation services</td>
<td>0.10</td>
<td>0.23</td>
</tr>
<tr>
<td>Other services</td>
<td>0.21</td>
<td>0.17</td>
</tr>
<tr>
<td>All items less medical care</td>
<td>0.15</td>
<td>0.23</td>
</tr>
<tr>
<td>All items less medical care services</td>
<td>0.15</td>
<td>0.23</td>
</tr>
<tr>
<td>All items less shelter</td>
<td>-0.09</td>
<td>0.07</td>
</tr>
<tr>
<td>All items less shelter</td>
<td>0.15</td>
<td>0.23</td>
</tr>
<tr>
<td>All items less medical care services</td>
<td>0.15</td>
<td>0.23</td>
</tr>
<tr>
<td>Commodity less food</td>
<td>0.15</td>
<td>0.23</td>
</tr>
<tr>
<td>Nonfood less food</td>
<td>0.04</td>
<td>0.20</td>
</tr>
<tr>
<td>Nonfood less food and apparel</td>
<td>0.08</td>
<td>0.19</td>
</tr>
<tr>
<td>Nonfood</td>
<td>0.00</td>
<td>0.05</td>
</tr>
<tr>
<td>Services less rent of shelter</td>
<td>0.24</td>
<td>0.09</td>
</tr>
<tr>
<td>Services less medical care services</td>
<td>0.24</td>
<td>0.09</td>
</tr>
<tr>
<td>Energy</td>
<td>1.35</td>
<td>0.14</td>
</tr>
<tr>
<td>All items less energy</td>
<td>0.14</td>
<td>0.07</td>
</tr>
<tr>
<td>All items less food and energy</td>
<td>0.17</td>
<td>0.07</td>
</tr>
<tr>
<td>Energy commodities</td>
<td>2.07</td>
<td>0.16</td>
</tr>
<tr>
<td>Services less energy services</td>
<td>0.24</td>
<td>0.08</td>
</tr>
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</table>
### Table 3V. Midwest Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016

<table>
<thead>
<tr>
<th>Item and group</th>
<th>1 Month</th>
<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Median price change</td>
<td>Standard error</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>All items</td>
<td>0.19</td>
<td>0.06</td>
<td>0.17</td>
<td>0.07</td>
</tr>
<tr>
<td>Food and beverages</td>
<td>-0.11</td>
<td>-0.11</td>
<td>-0.06</td>
<td>-0.13</td>
</tr>
<tr>
<td>Food</td>
<td>-0.13</td>
<td>-0.12</td>
<td>-0.07</td>
<td>-0.14</td>
</tr>
<tr>
<td>Food at home</td>
<td>-0.27</td>
<td>-0.19</td>
<td>-0.39</td>
<td>-0.21</td>
</tr>
<tr>
<td>Food away from home</td>
<td>-0.20</td>
<td>-0.10</td>
<td>-0.39</td>
<td>-0.13</td>
</tr>
<tr>
<td>Alcoholic beverages</td>
<td>0.06</td>
<td>0.19</td>
<td>0.04</td>
<td>0.30</td>
</tr>
<tr>
<td>Housing</td>
<td>0.17</td>
<td>0.08</td>
<td>0.37</td>
<td>0.09</td>
</tr>
<tr>
<td>Shelter</td>
<td>0.20</td>
<td>0.09</td>
<td>0.51</td>
<td>0.11</td>
</tr>
<tr>
<td>Rent of primary residence</td>
<td>0.25</td>
<td>0.05</td>
<td>0.51</td>
<td>0.09</td>
</tr>
<tr>
<td>Rent of primary residence</td>
<td>0.25</td>
<td>0.04</td>
<td>0.48</td>
<td>0.06</td>
</tr>
<tr>
<td>Owners' equivalent rent of primary residence</td>
<td>0.25</td>
<td>0.04</td>
<td>0.48</td>
<td>0.06</td>
</tr>
<tr>
<td>Owners' equivalent rent of residences</td>
<td>0.06</td>
<td>-0.11</td>
<td>0.42</td>
<td>-0.18</td>
</tr>
<tr>
<td>Household energy</td>
<td>-0.11</td>
<td>-0.12</td>
<td>0.37</td>
<td>0.16</td>
</tr>
<tr>
<td>Energy services</td>
<td>-0.22</td>
<td>-0.13</td>
<td>0.40</td>
<td>-0.17</td>
</tr>
<tr>
<td>Electricity</td>
<td>-0.10</td>
<td>-0.16</td>
<td>0.07</td>
<td>-0.19</td>
</tr>
<tr>
<td>Transportation</td>
<td>-0.02</td>
<td>0.11</td>
<td>0.07</td>
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</tr>
<tr>
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<td>-0.26</td>
<td>-0.19</td>
</tr>
<tr>
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<tr>
<td>Used cars and trucks</td>
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</tr>
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<td>0.83</td>
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<tr>
<td>Gasoline, unleaded midgrade</td>
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<td>Gasoline, unleaded premium</td>
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<td>0.62</td>
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<td>0.64</td>
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<tr>
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<td>0.89</td>
<td>0.26</td>
</tr>
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<td>0.29</td>
<td>0.17</td>
<td>0.38</td>
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**Special aggregate indexes**

<table>
<thead>
<tr>
<th>Item and group</th>
<th>Median price change</th>
<th>Standard error</th>
</tr>
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</tr>
<tr>
<td>Non-durable less food and beverages</td>
<td>0.55</td>
<td>0.22</td>
</tr>
<tr>
<td>Non-durable less food, beverages, and apparel</td>
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<td>0.18</td>
</tr>
<tr>
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</tr>
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</tr>
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<td>0.10</td>
</tr>
<tr>
<td>Transportation services</td>
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<td>0.20</td>
</tr>
<tr>
<td>Other services</td>
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<td>0.13</td>
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<tr>
<td>All items less food</td>
<td>0.18</td>
<td>0.06</td>
</tr>
<tr>
<td>All items less shelter</td>
<td>0.12</td>
<td>0.07</td>
</tr>
<tr>
<td>All items less medical care</td>
<td>0.14</td>
<td>0.06</td>
</tr>
<tr>
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<td>0.20</td>
<td>0.13</td>
</tr>
<tr>
<td>Non-durable less food</td>
<td>0.53</td>
<td>0.21</td>
</tr>
<tr>
<td>Non-durable less food and apparel</td>
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<td>0.17</td>
</tr>
<tr>
<td>Non-durable</td>
<td>0.36</td>
<td>0.13</td>
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<tr>
<td>Service less rent of shelter</td>
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<tr>
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<tr>
<td>All items less energy</td>
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<td>0.06</td>
</tr>
<tr>
<td>All items less food and energy</td>
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<td>0.06</td>
</tr>
<tr>
<td>Commodities less food and energy commodities</td>
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<td>0.20</td>
</tr>
<tr>
<td>Energy commodities</td>
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</tr>
<tr>
<td>Service less energy services</td>
<td>0.27</td>
<td>0.07</td>
</tr>
</tbody>
</table>

### Notes
- Data are based on the Consumer Price Index for All Urban Consumers (CPI-U) for the Midwest Region.
- All items less food and energy commodities include the following items: All items less food and all items less energy.
- All items less food and energy commodities include the following items: All items less food and all items less energy.
### Table 4V. South Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016

<table>
<thead>
<tr>
<th>Item and group</th>
<th>1 Month</th>
<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>All items</td>
<td>0.10</td>
<td>0.05</td>
<td>0.25</td>
<td>0.08</td>
</tr>
<tr>
<td>Food and beverages</td>
<td>-0.01</td>
<td>0.10</td>
<td>-1.14</td>
<td>0.13</td>
</tr>
<tr>
<td>Food</td>
<td>-0.03</td>
<td>0.10</td>
<td>-1.15</td>
<td>0.13</td>
</tr>
<tr>
<td>Food at home</td>
<td>-0.14</td>
<td>0.16</td>
<td>-1.42</td>
<td>0.21</td>
</tr>
<tr>
<td>Food away from home</td>
<td>0.13</td>
<td>0.05</td>
<td>0.27</td>
<td>0.08</td>
</tr>
<tr>
<td>Alcoholic beverages</td>
<td>0.01</td>
<td>0.19</td>
<td>0.14</td>
<td>0.27</td>
</tr>
<tr>
<td>Housing</td>
<td>0.16</td>
<td>0.06</td>
<td>0.24</td>
<td>0.13</td>
</tr>
<tr>
<td>Shelter</td>
<td>0.24</td>
<td>0.07</td>
<td>0.45</td>
<td>0.09</td>
</tr>
<tr>
<td>Rent of primary residence</td>
<td>0.30</td>
<td>0.06</td>
<td>0.58</td>
<td>0.09</td>
</tr>
<tr>
<td>Owners' equivalent rent of residences</td>
<td>0.23</td>
<td>0.05</td>
<td>0.46</td>
<td>0.07</td>
</tr>
<tr>
<td>Owners' equivalent rent of primary residence</td>
<td>0.23</td>
<td>0.05</td>
<td>0.46</td>
<td>0.07</td>
</tr>
<tr>
<td>Household energy</td>
<td>-0.16</td>
<td>0.12</td>
<td>-0.78</td>
<td>0.19</td>
</tr>
<tr>
<td>Energy services</td>
<td>-0.22</td>
<td>-1.15</td>
<td>-1.07</td>
<td>0.23</td>
</tr>
<tr>
<td>Energy services</td>
<td>-0.23</td>
<td>-1.15</td>
<td>-1.11</td>
<td>0.22</td>
</tr>
<tr>
<td>Electricity</td>
<td>-0.15</td>
<td>-1.16</td>
<td>-1.07</td>
<td>0.26</td>
</tr>
</tbody>
</table>

#### Special aggregate indexes

| Commodities                                                                      | 0.08      | 0.08     | 0.02     | -0.10    | -1.15     | 0.13     | -1.80      | 0.18     |
| Commodities less food and beverages                                            | 0.23      | 0.12     | 0.00     | 0.17     | -0.05     | 0.21     | -3.12      | 0.26     |
| Commodities less food and beverages, and apparel                                | 0.18      | 0.11     | -0.25    | 0.19     | 2.26      | 0.37     | 3.94      | 0.37     |
| Durables                                                                        | -0.26     | -0.07    | -0.48    | -0.14    | -0.83     | 0.18     | -1.75      | 0.23     |
| Services                                                                        | 0.21      | 0.05     | 0.44     | 0.09     | 1.31      | 0.12     | 2.67      | 0.13     |
| Rent of shelter                                                                 | 0.24      | 0.07     | 0.45     | 0.09     | 1.37      | 0.14     | 2.81      | 0.16     |
| Transportation services                                                         | 0.32      | 0.17     | 0.82     | 0.26     | 2.45      | 0.40     | 4.97      | 0.58     |
| Other services                                                                  | 0.13      | 0.10     | 0.19     | 0.13     | 1.21      | 0.20     | 2.56      | 0.28     |
| Utility (piped) gas service                                                     | 0.30      | 0.11     | 1.87     | 0.36     | 1.16      | 0.38     | 3.81      | 0.40     |
| Utility (piped) gas service                                                     | 0.50      | 0.33     | 0.27     | 0.17     | 1.04      | 0.27     | 2.10      | 0.38     |
| Medical care                                                                    | 0.22      | 0.15     | 0.54     | 0.28     | 2.31      | 0.38     | 3.83      | 0.36     |
| Medical care commodities                                                        | 0.20      | 0.15     | 0.53     | 0.27     | 2.31      | 0.38     | 3.83      | 0.36     |
| Medical care services                                                          | 0.29      | 0.14     | 0.58     | 0.30     | 1.27      | 0.63     | 2.10      | 0.64     |
| Medical care services                                                          | 0.30      | 0.14     | 0.58     | 0.30     | 1.27      | 0.63     | 2.10      | 0.64     |
| Recreation                                                                      | 0.04      | 0.13     | 0.10     | 0.20     | 0.59      | 0.32     | 0.97      | 0.40     |
| Education and communication                                                     | -0.01     | -0.13    | -0.19    | -0.16    | -0.28     | 1.33      | 0.39     | 0.40     |
| Other goods and services                                                        | 0.17      | 0.11     | 0.30     | 0.17     | 1.03      | 0.27     | 1.99      | 0.38     |
Table 5V. West Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2016

<table>
<thead>
<tr>
<th>Item and group</th>
<th>1 Month</th>
<th>2 Month</th>
<th>6 Month</th>
<th>12 Month</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Median standard error</td>
<td>Median price change</td>
<td>Median standard error</td>
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<td>0.06</td>
<td>0.35</td>
<td>0.08</td>
</tr>
<tr>
<td>Food and beverages</td>
<td>0.02</td>
<td>0.12</td>
<td>-0.12</td>
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<td>Food at home</td>
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<td>-0.50</td>
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</tr>
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<td>Food away from home</td>
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<tr>
<td>Alcoholic beverages</td>
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<tr>
<td>Housing</td>
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<td>0.81</td>
<td>0.09</td>
</tr>
<tr>
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<tr>
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</tr>
<tr>
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</tr>
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<td>Services less energy services</td>
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<td>0.07</td>
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<td>0.19</td>
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