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**CONSUMER PRICE INDEX – OCTOBER 2016**

The Consumer Price Index for All Urban Consumers (CPI-U) increased 0.4 percent in October on a seasonally adjusted basis, the U.S. Bureau of Labor Statistics reported today. Over the last 12 months, the all items index rose 1.6 percent before seasonal adjustment.

As in September, increases in the shelter and gasoline indexes were the main causes of the rise in the all items index. The gasoline index rose 7.0 percent in October and accounted for more than half of the increase in the all items index. The shelter index increased 0.4 percent for the second straight month.

The energy index increased 3.5 percent, its largest advance since February 2013. The indexes for fuel oil and gasoline were up 5.9 percent and 7.0 percent, respectively, while the indexes for electricity and natural gas saw relatively smaller increases of 0.4 percent and 0.9 percent. In contrast, the index for food was unchanged for the fourth consecutive month, as the food at home index continued to decline.

The index for all items less food and energy rose 0.1 percent for the second straight month. Along with the shelter index, the indexes for apparel, new vehicles, and motor vehicle insurance all increased in October, as did the indexes for education, household furnishings and operations, alcoholic beverages, and tobacco. The indexes for personal care, communication, used cars and trucks, recreation, and airfare all declined. The medical care index was flat over the month.

**Chart 1. One-month percent change in CPI for All Urban Consumers (CPI-U), seasonally adjusted, Oct. 2015 - Oct. 2016**  
 Percent change

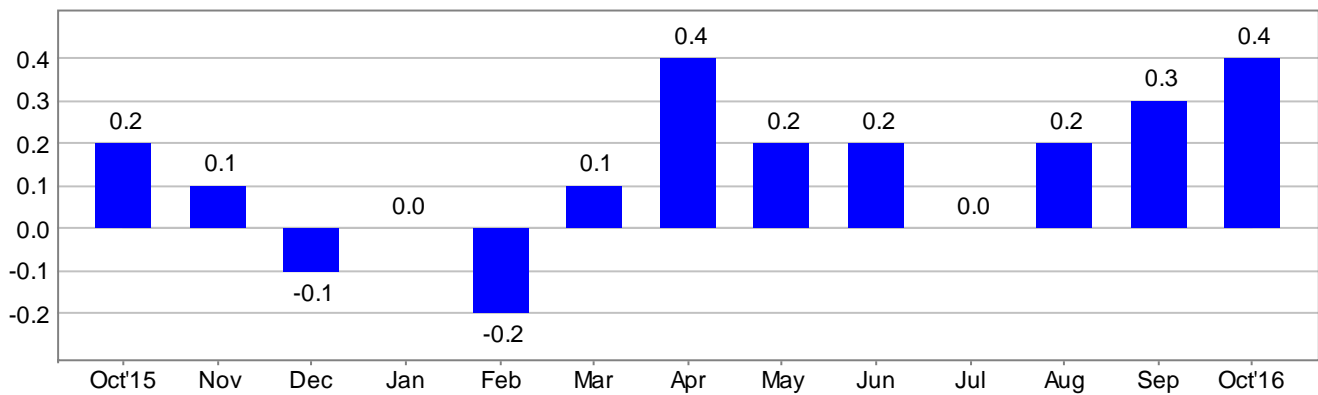


Chart 2. 12-month percent change in CPI for All Urban Consumers (CPI-U), not seasonally adjusted, Oct. 2015 - Oct. 2016

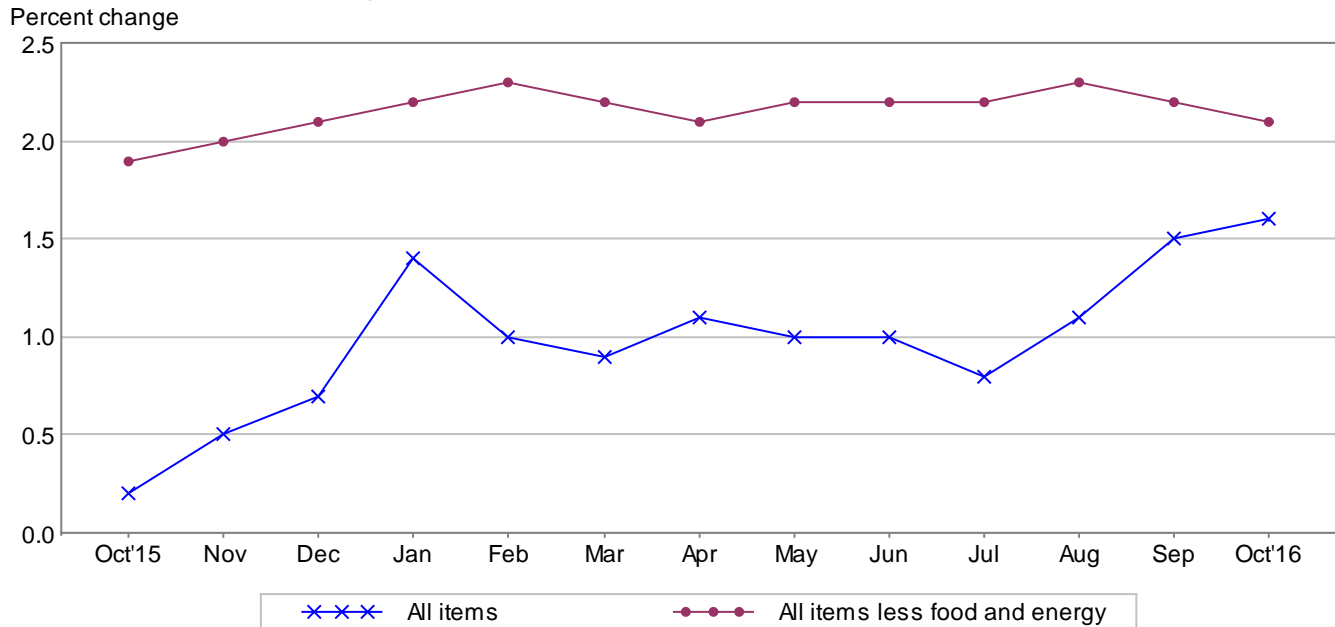


Table A. Percent changes in CPI for All Urban Consumers (CPI-U): U.S. city average

	Seasonally adjusted changes from preceding month							Un-adjusted 12-mos. ended Oct. 2016
	Apr. 2016	May 2016	June 2016	July 2016	Aug. 2016	Sep. 2016	Oct. 2016	
All items .....	.4	.2	.2	.0	.2	.3	.4	1.6
Food .....	.2	-.2	-.1	.0	.0	.0	.0	-.4
Food at home .....	.1	-.5	-.3	-.2	-.2	-.1	-.2	-2.3
Food away from home <sup>1</sup> .....	.2	.2	.2	.2	.2	.2	.1	2.4
Energy .....	3.4	1.2	1.3	-1.6	.0	2.9	3.5	.1
Energy commodities .....	7.8	2.4	3.3	-4.4	-.9	5.5	6.7	-.9
Gasoline (all types) .....	8.1	2.3	3.3	-4.7	-.9	5.8	7.0	-.9
Fuel oil <sup>1</sup> .....	1.9	6.2	3.3	-1.3	-2.5	2.4	5.9	-2.1
Energy services .....	-.1	.2	-.5	1.0	.8	.7	.5	1.3
Electricity .....	-.3	-.2	-.5	.5	.5	.7	.4	.4
Utility (piped) gas service .....	.6	1.7	-.4	3.1	2.1	.8	.9	4.8
All items less food and energy .....	.2	.2	.2	.1	.3	.1	.1	2.1
Commodities less food and energy commodities .....	-.1	-.2	-.3	-.1	.1	-.1	.1	-.5
New vehicles .....	-.3	-.1	-.2	.2	.0	-.1	.2	.3
Used cars and trucks .....	-.3	-1.3	-1.1	-1.0	-.6	-.3	-.1	-4.1
Apparel .....	-.3	.8	-.4	.0	.2	-.7	.3	.7
Medical care commodities .....	.5	-.4	.8	.5	1.4	.6	.1	5.0
Services less energy services .....	.3	.3	.3	.2	.3	.2	.2	3.0
Shelter .....	.3	.4	.3	.2	.3	.4	.4	3.5
Transportation services .....	.7	.3	.3	-.2	.1	.0	-.2	2.6
Medical care services .....	.3	.5	.2	.5	1.0	.0	.0	4.1

<sup>1</sup> Not seasonally adjusted.

The all items index rose 1.6 percent for the 12 months ending October, its largest 12-month increase since October 2014. The index for all items less food and energy rose 2.1 percent for the 12 months

ending October. The food index declined 0.4 percent over the span, while the energy index rose 0.1 percent.

## **Food**

The food index was unchanged in October, as it was the previous 3 months. The index for food away from home increased 0.1 percent, while the food at home index fell 0.2 percent, its sixth consecutive monthly decline. Major grocery store food group indexes were mixed, with three declines, two increases, and one category unchanged. The index for nonalcoholic beverages fell 0.4 percent, its fifth decrease in the last 6 months. The index for meats, poultry, fish, and eggs declined for the fourteenth consecutive month, falling 0.7 percent. The index for other food at home fell 0.1 percent, after increasing 0.1 percent in September. The index for cereals and bakery products was unchanged in October. The fruits and vegetables index rose 0.2 percent, and the index for dairy and related products increased 0.3 percent.

Over the last 12 months, the food at home index has declined 2.3 percent, the largest 12-month decline since December 2009. As in September, all six major grocery store food group indexes declined over the last year. The index for food away from home rose 2.4 percent over the last 12 months.

## **Energy**

The energy index increased 3.5 percent in October after rising 2.9 percent in September. It was the largest 1-month increase in the energy index since February 2013, as all major energy component indexes increased. The gasoline index rose 7.0 percent after a 5.8-percent increase in September. (Before seasonal adjustment, gasoline prices increased 1.8 percent in October.) The fuel oil index also increased in October, rising 5.9 percent after increasing 2.4 percent in September. The electricity index rose 0.4 percent in October, its fourth straight increase. The index for natural gas also continued to rise, increasing 0.9 percent in October.

The energy index increased 0.1 percent over the last 12 months; though slight, this is the first 12-month increase since August 2014. The gasoline index has declined 0.9 percent over the last year, the smallest 12-month change since July 2014. However, the index for natural gas has risen 4.8 percent over the past year, and the electricity index has advanced slightly, increasing 0.4 percent.

## **All items less food and energy**

The index for all items less food and energy increased 0.1 percent for the second consecutive month in October. The shelter index increased 0.4 percent in October, reflecting a 0.4-percent increase in the rent index and a 0.3-percent advance in the index for owners' equivalent rent. The index for motor vehicle insurance has risen for 12 consecutive months, increasing 0.2 percent in October. The index for tobacco also increased, up 0.3 percent, while the alcoholic beverages index rose 0.4 percent. The apparel index rose 0.3 percent, the index for household furnishings and operations increased 0.1 percent, and the new vehicles index increased 0.2 percent. The education index advanced 0.5 percent over the month.

In contrast to these increases, several indexes declined in October. The recreation index was down 0.1 percent for the fourth consecutive month. The personal care index declined 0.1 percent in October, its first decline since July 2015. The index for used cars and trucks fell 0.1 percent, its eighth straight monthly decline. The index for airline fares fell 2.2 percent, and the communication index was down 0.5 percent.

The index for medical care was unchanged. The index for prescription drugs rose 0.2 percent in October after increasing 0.8 percent in September and 1.7 percent in August. The index for hospital services was up 0.2 percent in October, while the index for physician services was down 0.1 percent.

The index for all items less food and energy increased 2.1 percent over the past 12 months (it has remained in the narrow range of 2.1 percent to 2.3 percent since December 2015). The shelter index has risen 3.5 percent over the last 12 months, and the medical care index has increased 4.3 percent. The index for used cars and trucks has declined 4.1 percent over the year. The tobacco index rose 3.5 percent over the last 12 months, while the index for alcoholic beverages rose 1.3 percent.

### **Not seasonally adjusted CPI measures**

The Consumer Price Index for All Urban Consumers (CPI-U) increased 1.6 percent over the last 12 months to an index level of 241.729 (1982-84=100). For the month, the index increased 0.1 percent prior to seasonal adjustment.

The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) increased 1.4 percent over the last 12 months to an index level of 235.732 (1982-84=100). For the month, the index increased 0.1 percent prior to seasonal adjustment.

The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) increased 1.5 percent over the last 12 months. For the month, the index rose 0.1 percent on a not seasonally adjusted basis. Please note that the indexes for the past 10 to 12 months are subject to revision.

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**The Consumer Price Index for November 2016 is scheduled to be released on Thursday, December 15, 2016, at 8:30 a.m. (EST).**

### **Consumer Price Index Geographic Revision for 2018**

In January 2018, BLS will introduce a new geographic area sample for the Consumer Price Index (CPI). The 2018 revision utilizes the 2010 Decennial Census and incorporates an updated area sample design, changes the frequency of publication for several local area indexes, and establishes some new local area and aggregate indexes. The first indexes using the new structure will be published in February 2018. Additional information on the geographic revision is available at: [www.bls.gov/cpi/georevision2018.htm](http://www.bls.gov/cpi/georevision2018.htm).

## **Facilities for Sensory Impaired**

Information from this release will be made available to sensory impaired individuals upon request. Voice phone: 202-691-5200, Federal Relay Services: 1-800-877-8339.

## **Brief Explanation of the CPI**

The Consumer Price Index (CPI) is a measure of the average change in prices over time of goods and services purchased by households. The Bureau of Labor Statistics publishes CPIs for two population groups: (1) the CPI for Urban Wage Earners and Clerical Workers (CPI-W), which covers households of wage earners and clerical workers that comprise approximately 28 percent of the total population and (2) the CPI for All Urban Consumers (CPI-U) and the Chained CPI for All Urban Consumers (C-CPI-U), which covers approximately 89 percent of the total population and includes, in addition to wage earners and clerical worker households, 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 CPIs are based on prices of food, clothing, shelter, fuels, transportation fares, charges for doctors' and dentists' services, drugs, and other goods and services that people buy for day-to-day living. Prices are collected each month in 87 urban areas across the country from about 6,000 housing units and approximately 24,000 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. Prices of fuels and a few other items are obtained every month in all 87 locations. Prices of most other commodities and services are collected every month in the three largest geographic areas and every other month in other areas. Prices of most goods and services are obtained by personal visits or telephone calls of the Bureau's trained representatives.

In calculating the index, price changes for the various items in each location are averaged together with weights, which represent their importance in the spending of the appropriate population group. Local data are then combined to obtain a U.S. city average. For the CPI-U and CPI-W separate indexes are also published by size of city, by region of the country, for cross-classifications of regions and population-size classes, and for 27 local areas. Area indexes do not measure differences in the level of prices among cities; they only measure the average change in prices for each area since the base period. For the C-CPI-U data are issued only at the national level. It is important to note that the CPI-U and CPI-W are considered final when released, but the C-CPI-U is issued in preliminary form and subject to two annual revisions.

The index measures price change from a designed reference date. For the CPI-U and the CPI-W the reference base is 1982-84 equals 100. The reference base for the C-CPI-U is December 1999 equals 100. An increase of 16.5 percent from the reference base, for example, is shown as 116.500. 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 visit the CPI home page on the Internet at [www.bls.gov/cpi/](http://www.bls.gov/cpi/) or contact our CPI Information and Analysis Section on (202) 691-7000.

## Note on Sampling Error in the Consumer Price Index

The CPI is a statistical estimate that is subject to sampling error because it is based upon a sample of retail prices and not the complete universe of all prices. BLS calculates and publishes estimates of the 1-month, 2-month, 6-month and 12-month percent change standard errors annually, for the CPI-U. These standard error estimates can be used to construct confidence intervals for hypothesis testing. For example, the estimated standard error of the 1 month percent change is 0.04 percent for the U.S. All Items Consumer Price Index. This means that if we repeatedly sample from the universe of all retail prices using the same methodology, and estimate a percentage change for each sample, then 95% of these estimates would be within 0.08 percent of the 1 month percentage change based on all retail prices. For example, for a 1-month change of 0.2 percent in the All Items CPI for All Urban Consumers, we are 95 percent confident that the actual percent change based on all retail prices would fall between 0.12 and 0.28 percent. For the latest data, including information on how to use the estimates of standard error, see "Variance Estimates for Price Changes in the Consumer Price Index, January-December 2014." These data are available on the CPI home page ([www.bls.gov/cpi](http://www.bls.gov/cpi)), or by using the following link: [www.bls.gov/cpi/cpivar2014.pdf](http://www.bls.gov/cpi/cpivar2014.pdf).

## Calculating Index Changes

Movements of the indexes from one month to another are usually expressed as percent changes rather than changes in index points, because index point changes are affected by the level of the index in relation to its base period while percent changes are not. The example below illustrates the computation of index point and percent changes.

Percent changes for 3-month and 6-month periods are expressed as annual rates and are computed according to the standard formula for compound growth rates. These data indicate what the percent change would be if the current rate were maintained for a 12-month period.

### Index Point Change

CPI	202.416
Less previous index	201.800
Equals index point change	.616

### Percent Change

Index point difference	.616
Divided by the previous index	201.800
Equals	0.003
Results multiplied by one hundred	0.003x100
Equals percent change	0.3

# **A Note on the Use of Seasonally Adjusted and Unadjusted Data**

## **Introduction**

The Consumer Price Index (CPI) produces both unadjusted and seasonally adjusted data. Seasonally adjusted data are computed using seasonal factors derived by the X-13ARIMA-SEATS Seasonal Adjustment Method. These factors are updated each February, and the new factors are used to revise the previous five years of seasonally adjusted data. For more information on data revisions and exceptions to the usual revision schedule, please see the Fact Sheet on Seasonal Adjustment (<http://www.bls.gov/cpi/cpisaqanda.htm>) and the Timeline of Seasonal Adjustment Methodological Changes (<http://www.bls.gov/cpi/cpiseastimeline.htm>).

## **How to Use Seasonally Adjusted and Unadjusted Data**

For analyzing short-term price trends in the economy, seasonally adjusted changes are usually preferred since they eliminate the effect of changes that normally occur at the same time and in about the same magnitude every year—such as price movements resulting from changing climatic conditions, production cycles, model changeovers, holidays, and sales. This allows data users to focus on changes that are not typical for the time of year.

The unadjusted data are of primary interest to consumers concerned about the prices they actually pay. Unadjusted data are also used extensively for escalation purposes. Many collective bargaining contract agreements and pension plans, for example, tie compensation changes to the Consumer Price Index before adjustment for seasonal variation. BLS advises against the use of seasonally adjusted data in escalation agreements because seasonally adjusted series are revised annually.

## **Intervention Analysis**

The Bureau of Labor Statistics uses Intervention Analysis Seasonal Adjustment for some CPI series. Sometimes extreme values or sharp movements can distort the underlying seasonal pattern of price change. Intervention Analysis Seasonal Adjustment is a process by which the distortions caused by such unusual events are estimated and removed from the data prior to calculation of seasonal factors. The resulting seasonal factors, which more accurately represent the seasonal pattern, are then applied to the unadjusted data.

## **2016 Series Adjusted Using Intervention Analysis Seasonal Adjustment**

For the seasonal factors introduced in January 2016, BLS adjusted 37 series using Intervention Analysis Seasonal Adjustment, including selected food and beverage items, motor fuels and natural gas. For example, this procedure was used for the *Motor fuel* series to offset the effects of events such as the response in crude oil markets to the worldwide economic downturn in 2008.

## **Revision of Seasonally Adjusted Indexes**

Seasonally adjusted data, including the *U.S. city average All items* index levels, are subject to revision for up to five years after their original release. Every year, economists in the CPI calculate new seasonal factors for seasonally adjusted series and apply them to the last five years of data. Seasonally adjusted indexes beyond the last five years of data are considered to be final and not subject to revision. In

January 2016, revised seasonal factors and seasonally adjusted indexes for 2011-2015 were calculated and published. For directly adjusted series, the seasonal factors for 2015 will be applied to data in 2016 to produce the seasonally adjusted 2016 indexes.

### **Determining Seasonal Status**

Each year the seasonal status of every series is reevaluated based upon certain statistical criteria. Using these criteria, BLS economists determine whether a series should change its status: from "not seasonally adjusted" to "seasonally adjusted", or vice versa. If any of the 81 components of the *U.S. city average all items* index change their seasonal adjustment status from seasonally adjusted to not seasonally adjusted, not seasonally adjusted data will be used in the aggregation of the dependent series for the last five years, but the seasonally adjusted indexes before that period will not be changed. 28 of the 81 components of the *U.S. city average all items* index are not seasonally adjusted for 2016.

### **Contact Information**

For additional information on seasonal adjustment in the CPI, please contact us at (202) 691-6968 or [cpiseas@bls.gov](mailto:cpiseas@bls.gov). If you have general questions about the CPI, please contact our information staff at (202) 691-7000 or [cpi\\_info@bls.gov](mailto:cpi_info@bls.gov).



**Table 1. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted indexes			Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015	Sep. 2016	Oct. 2016	Oct. 2015-Oct. 2016	Sep. 2016-Oct. 2016	Jul. 2016-Aug. 2016	Aug. 2016-Sep. 2016	Sep. 2016-Oct. 2016
All items.....	100.000	237.838	241.428	241.729	1.6	0.1	0.2	0.3	0.4
Food.....	13.731	249.052	247.917	248.073	-0.4	0.1	0.0	0.0	0.0
Food at home.....	7.955	243.779	238.120	238.145	-2.3	0.0	-0.2	-0.1	-0.2
Cereals and bakery products.....	1.071	275.753	272.089	272.502	-1.2	0.2	0.0	0.1	0.0
Meats, poultry, fish, and eggs.....	1.776	261.568	246.642	244.770	-6.4	-0.8	-0.4	-0.2	-0.7
Dairy and related products.....	0.813	221.874	216.693	218.183	-1.7	0.7	0.0	0.1	0.3
Fruits and vegetables.....	1.345	297.931	293.423	295.616	-0.8	0.7	0.0	-0.3	0.2
Nonalcoholic beverages and beverage materials.....	0.952	169.045	166.573	166.793	-1.3	0.1	-0.1	-0.4	-0.4
Other food at home.....	1.997	210.636	209.426	208.985	-0.8	-0.2	-0.2	0.1	-0.1
Food away from home <sup>1</sup> .....	5.777	258.363	264.102	264.459	2.4	0.1	0.2	0.2	0.1
Energy.....	7.132	194.501	195.852	194.786	0.1	-0.5	0.0	2.9	3.5
Energy commodities.....	3.395	203.338	197.603	201.412	-0.9	1.9	-0.9	5.5	6.7
Fuel oil <sup>1</sup> .....	0.092	229.191	212.019	224.453	-2.1	5.9	-2.5	2.4	5.9
Motor fuel.....	3.221	199.996	194.660	198.212	-0.9	1.8	-0.9	5.7	6.9
Gasoline (all types).....	3.173	199.077	193.817	197.357	-0.9	1.8	-0.9	5.8	7.0
Energy services <sup>2</sup> .....	3.737	194.713	202.941	197.279	1.3	-2.8	0.8	0.7	0.5
Electricity <sup>2</sup> .....	2.949	205.604	214.381	206.397	0.4	-3.7	0.5	0.7	0.4
Utility (piped) gas service <sup>2</sup> .....	0.788	159.422	165.881	167.049	4.8	0.7	2.1	0.8	0.9
All items less food and energy.....	79.137	243.985	248.731	249.218	2.1	0.2	0.3	0.1	0.1
Commodities less food and energy commodities.....	19.353	146.504	145.562	145.701	-0.5	0.1	0.1	-0.1	0.1
Apparel.....	3.177	129.446	128.429	130.328	0.7	1.5	0.2	-0.7	0.3
New vehicles.....	3.658	146.516	146.499	146.896	0.3	0.3	0.0	-0.1	0.2
Used cars and trucks.....	2.058	145.821	142.482	139.914	-4.1	-1.8	-0.6	-0.3	-0.1
Medical care commodities.....	1.865	355.894	374.142	373.792	5.0	-0.1	1.4	0.6	0.1
Alcoholic beverages.....	0.949	240.656	242.614	243.674	1.3	0.4	0.0	0.3	0.4
Tobacco and smoking products.....	0.656	940.901	970.921	973.535	3.5	0.3	0.7	0.4	0.3
Services less energy services.....	59.784	303.694	312.205	312.919	3.0	0.2	0.3	0.2	0.2
Shelter.....	33.403	281.499	290.445	291.407	3.5	0.3	0.3	0.4	0.4
Rent of primary residence <sup>2</sup> .....	7.777	289.428	298.962	300.400	3.8	0.5	0.3	0.3	0.4
Owners' equivalent rent of residences <sup>2, 3</sup> .....	24.349	288.700	297.636	298.645	3.4	0.3	0.3	0.4	0.3
Medical care services.....	6.669	480.245	499.483	499.717	4.1	0.0	1.0	0.0	0.0
Physicians' services <sup>2</sup> .....	1.700	366.652	382.134	381.406	4.0	-0.2	0.7	0.0	-0.1
Hospital services <sup>2, 4</sup> .....	2.234	295.282	306.404	307.433	4.1	0.3	1.7	0.0	0.2
Transportation services.....	5.836	291.969	298.129	299.622	2.6	0.5	0.1	0.0	-0.2
Motor vehicle maintenance and repair <sup>1</sup> .....	1.154	271.804	275.331	275.645	1.4	0.1	0.0	-0.2	0.1
Motor vehicle insurance.....	2.418	465.401	492.119	496.658	6.7	0.9	0.5	0.4	0.2
Airline fare.....	0.629	285.837	267.457	270.922	-5.2	1.3	-0.1	0.4	-2.2

<sup>1</sup> Not seasonally adjusted.

<sup>2</sup> This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.

<sup>3</sup> Indexes on a December 1982=100 base.

<sup>4</sup> Indexes on a December 1996=100 base.

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

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
All items.....	100.000	1.6	0.1	0.2	0.3	0.4
Food.....	13.731	-0.4	0.1	0.0	0.0	0.0
Food at home.....	7.955	-2.3	0.0	-0.2	-0.1	-0.2
Cereals and bakery products.....	1.071	-1.2	0.2	0.0	0.1	0.0
Cereals and cereal products.....	0.360	-2.1	-0.1	-0.7	0.7	-0.6
Flour and prepared flour mixes.....	0.044	-2.0	-2.5	-1.2	1.0	-1.0
Breakfast cereal <sup>1</sup> .....	0.185	-2.4	-0.2	-1.5	0.5	-0.2
Rice, pasta, cornmeal <sup>1</sup> .....	0.131	-1.8	0.8	-0.3	-2.0	0.8
Rice <sup>1, 2, 3</sup> .....		-2.1	2.7	-0.3	-2.4	2.7
Bakery products <sup>1</sup> .....	0.711	-0.7	0.3	0.4	-0.3	0.3
Bread <sup>1, 2</sup> .....	0.211	-0.4	0.5	0.0	-0.5	0.5
White bread <sup>1, 3</sup> .....		-0.7	0.3	-0.9	0.0	0.3
Bread other than white <sup>1, 3</sup> .....		-0.1	0.7	1.2	-1.4	0.7
Fresh biscuits, rolls, muffins <sup>2</sup> .....	0.105	-1.6	-0.5	0.4	0.6	-1.5
Cakes, cupcakes, and cookies.....	0.173	-0.1	0.1	0.3	0.8	-0.7
Cookies <sup>3</sup> .....		-0.2	0.8	0.7	0.8	0.0
Fresh cakes and cupcakes <sup>1, 3</sup> .....		-0.2	-1.1	0.1	0.7	-1.1
Other bakery products.....	0.222	-1.1	0.6	0.3	-0.9	0.8
Fresh sweetrolls, coffeecakes, doughnuts <sup>1, 3</sup> .....		-2.4	-2.7	-1.3	1.9	-2.7
Crackers, bread, and cracker products <sup>3</sup> .....		-1.0	1.3	1.7	-2.7	1.4
Frozen and refrigerated bakery products, pies, tarts, turnovers <sup>3</sup> .....		0.1	1.9	0.7	-1.0	2.3
Meats, poultry, fish, and eggs.....	1.776	-6.4	-0.8	-0.4	-0.2	-0.7
Meats, poultry, and fish.....	1.675	-3.8	-0.7	0.0	-0.2	-0.6
Meats.....	1.063	-5.5	-0.8	0.1	-0.7	-0.8
Beef and veal.....	0.476	-7.5	-1.5	0.5	-0.5	-1.5
Uncooked ground beef <sup>1</sup> .....	0.193	-9.3	-1.3	0.8	-0.6	-1.3
Uncooked beef roasts <sup>1, 2</sup> .....	0.063	-8.4	-1.1	-1.7	-2.3	-1.1
Uncooked beef steaks <sup>2</sup> .....	0.172	-6.1	-2.2	0.8	-0.1	-1.9
Uncooked other beef and veal <sup>1, 2</sup> .....	0.047	-3.3	-0.6	-1.0	-0.2	-0.6
Pork.....	0.333	-5.3	-1.2	-0.5	-1.4	-1.1
Bacon, breakfast sausage, and related products <sup>2</sup> .....	0.140	-4.1	-1.4	-1.2	-0.1	-0.8
Bacon and related products <sup>3</sup> .....		-4.6	-1.0	-2.2	-0.3	0.1
Breakfast sausage and related products <sup>2, 3</sup> .....		-2.7	-1.8	0.5	0.1	-2.0
Ham.....	0.062	-5.6	-1.3	-1.8	-0.7	-1.1
Ham, excluding canned <sup>3</sup> .....		-6.3	-1.4	-2.1	-1.1	-1.2
Pork chops <sup>1</sup> .....	0.054	-4.6	-0.2	-1.0	-3.3	-0.2
Other pork including roasts and picnics <sup>2</sup> .....	0.078	-7.1	-1.5	1.8	-2.0	-1.1
Other meats.....	0.254	-1.8	1.3	0.0	-0.1	0.9
Frankfurters <sup>3</sup> .....		-4.4	4.9	2.5	-2.1	4.4
Lunchmeats <sup>2, 3</sup> .....		-1.1	0.4	-1.0	0.9	-0.2
Lamb and organ meats <sup>1, 3</sup> .....		0.7	0.3	-1.2	1.5	0.3
Lamb and mutton <sup>1, 2, 3</sup> .....		-2.7	0.5	-0.1	0.6	0.5
Poultry.....	0.345	-2.0	0.0	-0.1	0.7	-0.3
Chicken <sup>1, 2</sup> .....	0.279	-2.1	0.0	-0.2	0.7	0.0
Fresh whole chicken <sup>1, 3</sup> .....		1.5	-0.2	-1.9	2.9	-0.2
Fresh and frozen chicken parts <sup>1, 3</sup> .....		-3.3	0.2	0.4	0.0	0.2
Other poultry including turkey <sup>2</sup> .....	0.066	-1.4	0.3	0.8	-1.1	1.1
Fish and seafood.....	0.267	0.8	-1.3	-0.3	0.7	-0.4
Fresh fish and seafood <sup>2</sup> .....	0.146	3.7	-0.9	-0.9	0.7	0.4
Processed fish and seafood <sup>2</sup> .....	0.121	-2.5	-1.9	0.4	0.7	-1.7
Shelf stable fish and seafood <sup>1, 3</sup> .....		-1.9	-0.9	0.7	0.6	-0.9

See footnotes at end of table.

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
Frozen fish and seafood <sup>3</sup> .....		-3.1	-2.6	0.1	0.5	-1.8
Eggs.....	0.101	-35.5	-2.0	-6.6	0.3	-1.2
Dairy and related products.....	0.813	-1.7	0.7	0.0	0.1	0.3
Milk <sup>1, 2</sup> .....	0.232	-1.8	0.9	1.2	2.2	0.9
Fresh whole milk <sup>3</sup> .....		-1.8	1.2	0.9	1.2	0.8
Fresh milk other than whole <sup>2, 3</sup> .....		-2.1	0.8	0.6	1.6	0.8
Cheese and related products.....	0.261	-1.8	1.2	-0.6	-0.5	0.4
Ice cream and related products.....	0.115	-1.3	0.6	0.2	-1.9	0.0
Other dairy and related products <sup>1, 2</sup> .....	0.205	-1.7	-0.2	-0.2	-0.4	-0.2
Fruits and vegetables.....	1.345	-0.8	0.7	0.0	-0.3	0.2
Fresh fruits and vegetables.....	1.050	-0.9	1.0	0.1	-0.3	0.2
Fresh fruits.....	0.573	0.6	1.4	0.1	0.5	0.5
Apples.....	0.088	1.9	-5.8	-0.7	-1.6	1.0
Bananas <sup>1</sup> .....	0.088	-0.6	-0.8	-0.8	1.9	-0.8
Citrus fruits <sup>2</sup> .....	0.168	2.0	-0.3	-2.4	3.5	-0.6
Oranges, including tangerines <sup>3</sup> .....		-1.0	-0.5	-3.1	4.8	-1.5
Other fresh fruits <sup>2</sup> .....	0.229	0.1	6.3	3.0	-1.1	0.2
Fresh vegetables.....	0.477	-2.7	0.5	0.2	-1.2	-0.2
Potatoes.....	0.082	0.5	-2.7	0.1	0.9	0.3
Lettuce.....	0.061	-11.9	-1.1	-0.2	-2.6	-2.0
Tomatoes <sup>1</sup> .....	0.082	3.4	5.4	1.5	2.7	5.4
Other fresh vegetables.....	0.252	-3.3	0.3	-0.6	-1.6	-1.1
Processed fruits and vegetables <sup>2</sup> .....	0.295	-0.1	-0.1	-0.7	-0.5	0.4
Canned fruits and vegetables <sup>2</sup> .....	0.155	0.6	0.1	-0.4	-0.6	0.9
Canned fruits <sup>2, 3</sup> .....		-0.1	0.2	-0.1	0.3	0.6
Canned vegetables <sup>2, 3</sup> .....		0.9	0.1	-1.0	-0.7	0.5
Frozen fruits and vegetables <sup>2</sup> .....	0.086	0.7	0.7	-0.8	-1.6	2.2
Frozen vegetables <sup>3</sup> .....		0.6	0.5	-0.9	-1.0	2.4
Other processed fruits and vegetables including dried <sup>2</sup> .....	0.054	-3.6	-2.0	-2.3	0.8	-1.8
Dried beans, peas, and lentils <sup>1, 2, 3</sup> .....		-2.9	-0.5	-1.7	0.1	-0.5
Nonalcoholic beverages and beverage materials.....	0.952	-1.3	0.1	-0.1	-0.4	-0.4
Juices and nonalcoholic drinks <sup>2</sup> .....	0.669	-1.1	0.5	0.2	-0.5	-0.3
Carbonated drinks.....	0.268	0.7	1.1	-0.3	-0.6	0.7
Frozen noncarbonated juices and drinks <sup>1, 2</sup> .....	0.011	-1.0	0.1	0.4	1.0	0.1
Nonfrozen noncarbonated juices and drinks <sup>2</sup> .....	0.390	-2.3	0.1	0.6	-0.8	-0.5
Beverage materials including coffee and tea <sup>2</sup> .....	0.283	-1.8	-0.6	-0.3	0.4	-0.6
Coffee.....	0.177	-3.0	-0.5	-0.7	0.7	-0.5
Roasted coffee <sup>3</sup> .....		-3.7	-1.3	-1.0	1.3	-1.1
Instant and freeze dried coffee <sup>1, 3</sup> .....		-0.2	0.1	2.3	-1.9	0.1
Other beverage materials including tea <sup>2</sup> .....	0.106	0.1	-0.8	0.5	-0.2	-0.9
Other food at home.....	1.997	-0.8	-0.2	-0.2	0.1	-0.1
Sugar and sweets <sup>1</sup> .....	0.292	-0.8	-0.6	0.2	0.1	-0.6
Sugar and artificial sweeteners.....	0.050	-1.7	-1.0	1.0	-0.3	-0.3
Candy and chewing gum <sup>1, 2</sup> .....	0.187	-1.2	-1.3	0.1	0.8	-1.3
Other sweets <sup>2</sup> .....	0.054	1.5	2.2	0.2	-1.7	3.3
Fats and oils.....	0.235	-1.8	-0.2	-0.5	0.1	-0.5
Butter and margarine <sup>2</sup> .....	0.069	-3.5	-0.8	-0.3	-0.9	-0.8
Butter <sup>3</sup> .....		-6.0	-1.5	0.5	-1.6	-2.0
Margarine <sup>3</sup> .....		0.7	-0.3	-0.7	0.0	-0.5
Salad dressing <sup>2</sup> .....	0.057	-1.8	0.0	-1.5	0.4	-1.0
Other fats and oils including peanut butter <sup>2</sup> .....	0.109	-0.5	0.0	0.0	0.3	0.5
Peanut butter <sup>1, 2, 3</sup> .....		-1.8	0.5	1.2	0.7	0.5
Other foods.....	1.470	-0.6	-0.1	-0.2	0.0	0.1

See footnotes at end of table.

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
Soups.....	0.092	-0.6	-1.7	-0.3	1.3	-0.6
Frozen and freeze dried prepared foods <sup>1</sup> .....	0.260	-1.5	0.4	-0.6	-0.2	0.4
Snacks <sup>1</sup> .....	0.332	0.4	0.3	0.5	-0.9	0.3
Spices, seasonings, condiments, sauces.....	0.288	-0.7	-1.3	-1.3	0.9	-0.6
Salt and other seasonings and spices <sup>2, 3</sup> .....		1.2	-1.8	0.4	0.6	-0.7
Olives, pickles, relishes <sup>1, 2, 3</sup> .....		-1.9	-0.8	-4.0	2.7	-0.8
Sauces and gravies <sup>2, 3</sup> .....		-1.2	-0.8	-1.6	1.9	-0.6
Other condiments <sup>3</sup> .....		0.6	-0.2	-1.5	-1.2	1.8
Baby food <sup>1, 2</sup> .....	0.055	1.7	0.5	-0.4	0.0	0.5
Other miscellaneous foods <sup>1, 2</sup> .....	0.442	-0.9	0.2	-0.8	-0.1	0.2
Prepared salads <sup>1, 3, 4</sup> .....		2.0	3.6	-0.8	0.7	3.6
Food away from home <sup>1</sup> .....	5.777	2.4	0.1	0.2	0.2	0.1
Full service meals and snacks <sup>1, 2</sup> .....	2.799	2.2	0.0	0.3	0.2	0.0
Limited service meals and snacks <sup>1, 2</sup> .....	2.453	2.6	0.2	0.2	0.2	0.2
Food at employee sites and schools <sup>2</sup> .....	0.198	2.3	0.1	-0.7	-1.0	0.1
Food at elementary and secondary schools <sup>1, 3, 5</sup> .....		1.9	0.1		0.6	0.1
Food from vending machines and mobile vendors <sup>1, 2</sup> .....	0.082	4.3	0.4	0.0	0.5	0.4
Other food away from home <sup>1, 2</sup> .....	0.245	1.2	0.2	0.0	-0.2	0.2
Energy.....	7.132	0.1	-0.5	0.0	2.9	3.5
Energy commodities.....	3.395	-0.9	1.9	-0.9	5.5	6.7
Fuel oil and other fuels.....	0.174	-1.7	3.8	-1.5	1.5	3.5
Fuel oil <sup>1</sup> .....	0.092	-2.1	5.9	-2.5	2.4	5.9
Propane, kerosene, and firewood <sup>6</sup> .....	0.081	-1.0	1.5	-2.7	0.6	-0.2
Motor fuel.....	3.221	-0.9	1.8	-0.9	5.7	6.9
Gasoline (all types).....	3.173	-0.9	1.8	-0.9	5.8	7.0
Gasoline, unleaded regular <sup>3</sup> .....		-0.9	1.9	-0.8	5.9	7.2
Gasoline, unleaded midgrade <sup>3, 7</sup> .....		-2.1	1.7	-0.3	4.6	6.4
Gasoline, unleaded premium <sup>3</sup> .....		-0.1	1.6	-1.2	5.4	5.9
Other motor fuels <sup>2</sup> .....	0.048	-2.9	1.7	-1.4	2.2	1.7
Energy services <sup>8</sup> .....	3.737	1.3	-2.8	0.8	0.7	0.5
Electricity <sup>8</sup> .....	2.949	0.4	-3.7	0.5	0.7	0.4
Utility (piped) gas service <sup>8</sup> .....	0.788	4.8	0.7	2.1	0.8	0.9
All items less food and energy.....	79.137	2.1	0.2	0.3	0.1	0.1
Commodities less food and energy commodities.....	19.353	-0.5	0.1	0.1	-0.1	0.1
Household furnishings and supplies <sup>9</sup> .....	3.196	-1.8	0.2	-0.2	0.0	0.0
Window and floor coverings and other linens <sup>1, 2</sup> .....	0.261	0.4	0.8	-0.4	0.3	0.8
Floor coverings <sup>1, 2</sup> .....	0.060	1.4	-1.6	0.7	0.9	-1.6
Window coverings <sup>1, 2</sup> .....	0.052	5.9	4.3	-0.8	-0.9	4.3
Other linens <sup>1, 2</sup> .....	0.149	-1.8	0.6	-0.7	0.4	0.6
Furniture and bedding <sup>1</sup> .....	0.752	-2.0	1.2	-1.2	0.2	1.2
Bedroom furniture <sup>1</sup> .....	0.268	-1.7	-0.6	-0.5	0.4	-0.6
Living room, kitchen, and dining room furniture <sup>1, 2</sup> .....	0.355	-0.3	2.5	-1.8	0.5	2.5
Other furniture <sup>2</sup> .....	0.124	-7.2	1.4	-0.3	-0.7	1.5
Infants' furniture <sup>1, 3, 5</sup> .....						
Appliances <sup>2</sup> .....	0.183	-3.9	-0.8	-0.5	-1.0	-0.8
Major appliances <sup>2</sup> .....	0.056	-6.2	-0.6	-0.3	-0.2	-0.7
Laundry equipment <sup>3</sup> .....		-10.0	-2.6	-1.4	0.4	-2.5
Other appliances <sup>1, 2</sup> .....	0.124	-2.7	-0.9	-0.9	-0.8	-0.9
Other household equipment and furnishings <sup>2</sup> .....	0.462	-4.8	-0.3	0.4	-0.1	-0.6
Clocks, lamps, and decorator items <sup>1</sup> .....	0.239	-6.7	-1.1	-0.5	-0.4	-1.1
Indoor plants and flowers <sup>10</sup> .....	0.100	-2.5	0.2	1.6	1.8	0.1
Dishes and flatware <sup>1, 2</sup> .....	0.051	-6.1	1.0	0.0	-1.6	1.0
Nonelectric cookware and tableware <sup>2</sup> .....	0.071	-0.8	0.7	-0.1	-0.1	0.9

See footnotes at end of table.

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
Tools, hardware, outdoor equipment and supplies <sup>2</sup> . . .	0.674	-1.5	-0.1	-0.3	0.1	-0.2
Tools, hardware and supplies <sup>1, 2</sup> . . . . .	0.179	-1.7	0.0	-0.6	0.2	0.0
Outdoor equipment and supplies <sup>2</sup> . . . . .	0.336	-1.4	-0.1	-0.1	0.2	-0.2
Housekeeping supplies <sup>1</sup> . . . . .	0.864	-0.1	-0.1	-0.1	0.1	-0.1
Household cleaning products <sup>2</sup> . . . . .	0.342	0.7	0.2	-0.5	-0.1	0.0
Household paper products <sup>1, 2</sup> . . . . .	0.235	-0.4	-1.0	0.5	0.5	-1.0
Miscellaneous household products <sup>1, 2</sup> . . . . .	0.287	-0.7	0.2	0.2	0.0	0.2
Apparel . . . . .	3.177	0.7	1.5	0.2	-0.7	0.3
Men's and boys' apparel . . . . .	0.791	0.2	1.1	1.2	-1.3	0.1
Men's apparel . . . . .	0.632	-0.5	0.4	1.2	-1.3	-0.2
Men's suits, sport coats, and outerwear . . . . .	0.105	2.6	0.2	4.5	-2.1	1.5
Men's furnishings . . . . .	0.202	1.2	-1.7	0.8	1.4	-2.6
Men's shirts and sweaters <sup>2</sup> . . . . .	0.179	-0.9	3.7	1.0	-2.5	0.9
Men's pants and shorts . . . . .	0.141	-3.1	-0.9	1.6	-2.9	0.8
Boys' apparel . . . . .	0.159	3.0	4.2	0.4	1.3	0.4
Women's and girls' apparel . . . . .	1.303	0.7	2.1	-1.4	0.0	0.1
Women's apparel . . . . .	1.088	0.3	2.1	-2.4	-0.2	0.3
Women's outerwear . . . . .	0.073	-8.2	2.0	-6.6	-8.2	-3.6
Women's dresses . . . . .	0.159	0.3	2.4	-1.9	-1.8	2.1
Women's suits and separates <sup>2</sup> . . . . .	0.496	0.8	3.0	-2.0	-0.8	1.8
Women's underwear, nightwear, sportswear and accessories <sup>2</sup> . . . . .	0.349	1.7	0.8	-1.8	3.5	-1.3
Girls' apparel . . . . .	0.216	3.1	2.0	3.9	1.1	-0.9
Footwear . . . . .	0.703	1.2	1.5	1.3	-0.5	1.0
Men's footwear <sup>1</sup> . . . . .	0.215	2.0	0.6	0.5	1.6	0.6
Boys' and girls' footwear . . . . .	0.172	2.9	2.7	0.7	-0.8	1.5
Women's footwear . . . . .	0.316	-0.2	1.5	2.3	-1.3	0.9
Infants' and toddlers' apparel . . . . .	0.152	-5.8	-0.1	1.0	-1.2	-1.1
Jewelry and watches <sup>6</sup> . . . . .	0.228	6.5	0.1	1.8	-2.4	1.0
Watches <sup>1, 6</sup> . . . . .	0.082	5.6	-0.1	-1.5	-0.4	-0.1
Jewelry <sup>6</sup> . . . . .	0.146	7.4	0.2	3.3	-3.2	1.6
Transportation commodities less motor fuel <sup>9</sup> . . . . .	6.195	-1.1	-0.4	-0.2	-0.2	0.1
New vehicles . . . . .	3.658	0.3	0.3	0.0	-0.1	0.2
New cars and trucks <sup>2, 3</sup> . . . . .		0.2	0.3	0.0	-0.1	0.3
New cars <sup>3</sup> . . . . .		-0.3	0.3	0.0	-0.1	0.2
New trucks <sup>3, 11</sup> . . . . .		0.7	0.3	0.0	-0.1	0.3
Used cars and trucks . . . . .	2.058	-4.1	-1.8	-0.6	-0.3	-0.1
Motor vehicle parts and equipment <sup>1</sup> . . . . .	0.384	-0.1	0.2	0.5	-0.7	0.2
Tires <sup>1</sup> . . . . .	0.230	-0.4	0.4	0.8	-0.6	0.4
Vehicle accessories other than tires <sup>1, 2</sup> . . . . .	0.154	0.2	-0.1	0.2	-0.8	-0.1
Vehicle parts and equipment other than tires <sup>1, 3</sup> . . . . .		0.7	0.0	-0.5	-0.6	0.0
Motor oil, coolant, and fluids <sup>1, 3</sup> . . . . .		1.2	-0.1	3.3	-0.8	-0.1
Medical care commodities . . . . .	1.865	5.0	-0.1	1.4	0.6	0.1
Medicinal drugs <sup>1, 9</sup> . . . . .	1.806	5.2	-0.1	1.5	0.6	-0.1
Prescription drugs . . . . .	1.444	7.0	0.1	1.7	0.8	0.2
Nonprescription drugs <sup>1, 9</sup> . . . . .	0.362	-1.4	-0.8	0.2	0.8	-0.8
Medical equipment and supplies <sup>1, 9</sup> . . . . .	0.059	-0.8	-0.1	-0.2	-0.7	-0.1
Recreation commodities <sup>9</sup> . . . . .	1.809	-4.0	-0.4	0.1	-0.4	-0.4
Video and audio products <sup>9</sup> . . . . .	0.221	-14.5	-0.6	-1.6	-2.3	-1.0
Televisions . . . . .	0.107	-21.7	-0.5	-2.1	-3.0	-1.2
Other video equipment <sup>2</sup> . . . . .	0.025	-3.5	1.6	-1.1	-1.3	1.1
Audio equipment . . . . .	0.058	-9.1	-1.7	-1.6	-2.2	-1.8
Audio discs, tapes and other media <sup>1, 2</sup> . . . . .	0.022	-7.9	-0.8	-0.4	-1.2	-0.8

See footnotes at end of table.

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
Pets and pet products <sup>1</sup> .....	0.588	0.0	-0.4	0.4	0.2	-0.4
Pet food <sup>1, 2, 3</sup> .....		-0.2	-0.8	0.3	-0.1	-0.8
Purchase of pets, pet supplies, accessories <sup>1, 2, 3</sup> .....		0.3	0.1	0.4	0.5	0.1
Sporting goods <sup>1</sup> .....	0.434	-1.3	0.2	-0.3	-0.3	0.2
Sports vehicles including bicycles <sup>1</sup> .....	0.228	-0.1	0.7	-0.2	0.1	0.7
Sports equipment.....	0.197	-2.9	-0.3	-0.2	-1.3	-0.6
Photographic equipment and supplies.....	0.039	2.3	0.8	1.1	0.0	2.0
Film and photographic supplies <sup>1, 2, 3</sup> .....		6.0	0.3	0.1	2.6	0.3
Photographic equipment <sup>2, 3</sup> .....		1.7	0.8	1.5	-0.4	2.5
Recreational reading materials <sup>1</sup> .....	0.151	-1.1	-1.4	1.7	0.8	-1.4
Newspapers and magazines <sup>1, 2</sup> .....	0.088	-0.3	-1.8	-0.9	2.6	-1.8
Recreational books <sup>1, 2</sup> .....	0.063	-2.2	-0.9	5.3	-1.6	-0.9
Other recreational goods <sup>2</sup> .....	0.376	-8.0	-0.9	0.3	-0.8	-0.8
Toys.....	0.304	-9.6	-1.4	0.5	-0.8	-1.3
Toys, games, hobbies and playground equipment <sup>1, 3</sup> .....		-7.8	-0.7	1.0	-0.9	-0.8
Sewing machines, fabric and supplies <sup>1, 2</sup> .....	0.023	-4.2	5.6	-1.6	-2.3	5.6
Music instruments and accessories <sup>1, 2</sup> .....	0.034	1.6	-0.2	0.0	0.4	-0.2
Education and communication commodities <sup>9</sup> .....	0.620	-4.6	-0.6	0.0	-0.3	-0.6
Educational books and supplies.....	0.164	5.6	0.3	0.2	0.5	0.1
College textbooks <sup>1, 3, 12</sup> .....		5.9	0.3	1.6	0.7	0.3
Information technology commodities <sup>9</sup> .....	0.456	-8.3	-0.8	-0.1	-0.5	-0.8
Personal computers and peripheral equipment <sup>4</sup> .....	0.276	-7.2	-0.1	0.4	-0.5	-0.1
Computer software and accessories <sup>1, 2</sup> .....	0.088	-10.1	-2.1	-1.3	0.3	-2.1
Telephone hardware, calculators, and other consumer information items <sup>1, 2</sup> .....	0.091	-10.2	-1.8	-0.2	-1.4	-1.8
Alcoholic beverages.....	0.949	1.3	0.4	0.0	0.3	0.4
Alcoholic beverages at home.....	0.584	0.6	0.5	-0.1	0.3	0.5
Beer, ale, and other malt beverages at home.....	0.266	1.4	0.9	-0.1	0.2	0.6
Distilled spirits at home.....	0.073	1.0	1.0	-0.5	0.0	0.9
Whiskey at home <sup>1, 3</sup> .....		2.0	0.5	0.3	0.3	0.5
Distilled spirits, excluding whiskey, at home <sup>3</sup> .....		1.0	1.1	-0.7	0.2	1.2
Wine at home.....	0.244	-0.2	0.0	-0.3	0.7	-0.2
Alcoholic beverages away from home <sup>1</sup> .....	0.365	2.2	0.3	0.1	0.3	0.3
Beer, ale, and other malt beverages away from home <sup>1, 2, 3</sup> .....		2.0	0.4	-0.1	0.2	0.4
Wine away from home <sup>1, 2, 3</sup> .....		2.2	0.1	0.6	0.4	0.1
Distilled spirits away from home <sup>1, 2, 3</sup> .....		2.7	0.4	-0.1	0.2	0.4
Other goods <sup>9</sup> .....	1.543	0.9	0.0	0.4	0.4	-0.1
Tobacco and smoking products.....	0.656	3.5	0.3	0.7	0.4	0.3
Cigarettes <sup>2</sup> .....	0.594	3.6	0.3	0.8	0.4	0.4
Tobacco products other than cigarettes <sup>1, 2</sup> .....	0.045	2.0	-0.2	-0.2	0.5	-0.2
Personal care products <sup>1</sup> .....	0.703	-0.5	-0.3	0.3	-0.1	-0.3
Hair, dental, shaving, and miscellaneous personal care products <sup>1, 2</sup> .....	0.374	-0.5	-0.3	-0.2	0.2	-0.3
Cosmetics, perfume, bath, nail preparations and implements <sup>1</sup> .....	0.323	-0.4	-0.3	0.8	-0.5	-0.3
Miscellaneous personal goods <sup>2</sup> .....	0.184	-3.1	0.5	-0.6	2.5	-0.4
Stationery, stationery supplies, gift wrap <sup>3</sup> .....		-0.9	0.9	-1.0	2.3	-0.4
Infants' equipment <sup>1, 3, 5</sup> .....		-6.2	-0.4	0.9	0.1	-0.4
Services less energy services.....	59.784	3.0	0.2	0.3	0.2	0.2
Shelter.....	33.403	3.5	0.3	0.3	0.4	0.4
Rent of shelter <sup>13</sup> .....	33.061	3.6	0.3	0.4	0.3	0.4
Rent of primary residence <sup>8</sup> .....	7.777	3.8	0.5	0.3	0.3	0.4

See footnotes at end of table.

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
Lodging away from home <sup>2</sup> .....	0.935	4.4	-1.0	2.0	1.0	1.6
Housing at school, excluding board <sup>8, 13</sup> .....	0.121	2.7	0.1	-0.1	0.3	0.1
Other lodging away from home including hotels and motels.....	0.814	3.9	-1.1	2.3	1.1	1.8
Owners' equivalent rent of residences <sup>8, 13</sup> .....	24.349	3.4	0.3	0.3	0.4	0.3
Owners' equivalent rent of primary residence <sup>8, 13</sup> .....	23.233	3.4	0.3	0.3	0.4	0.3
Tenants' and household insurance <sup>1, 2</sup> .....	0.342	0.6	-0.1	0.0	-0.1	-0.1
Water and sewer and trash collection services <sup>2</sup> .....	1.163	3.3	0.1	0.2	0.5	0.1
Water and sewerage maintenance <sup>8</sup> .....	0.880	3.9	0.1	0.3	0.7	0.1
Garbage and trash collection <sup>1, 11</sup> .....	0.283	1.3	0.1	0.2	0.1	0.1
Household operations <sup>1, 2</sup> .....	0.847	2.7	0.3	-0.1	0.0	0.3
Domestic services <sup>1, 2</sup> .....	0.281	1.3	0.0	0.1	0.3	0.0
Gardening and lawncare services <sup>1, 2</sup> .....	0.277	2.0	0.8	0.0	0.0	0.8
Moving, storage, freight expense <sup>2</sup> .....	0.119	7.6	-1.4	-1.3	0.1	-0.8
Repair of household items <sup>1, 2</sup> .....	0.087	3.4	1.4	0.1	0.0	1.4
Medical care services.....	6.669	4.1	0.0	1.0	0.0	0.0
Professional services.....	3.150	3.2	-0.1	0.5	0.1	0.0
Physicians' services <sup>8</sup> .....	1.700	4.0	-0.2	0.7	0.0	-0.1
Dental services <sup>8</sup> .....	0.815	2.9	0.0	0.5	0.3	0.1
Eyeglasses and eye care <sup>1, 6</sup> .....	0.322	1.1	-0.1	-0.3	0.0	-0.1
Services by other medical professionals <sup>8, 6</sup> .....	0.313	1.4	0.0	-0.3	-0.1	0.0
Hospital and related services.....	2.504	4.1	0.3	1.6	0.0	0.2
Hospital services <sup>8, 14</sup> .....	2.234	4.1	0.3	1.7	0.0	0.2
Inpatient hospital services <sup>8, 14, 3</sup> .....		4.5	0.6	1.4	0.0	0.6
Outpatient hospital services <sup>8, 3, 6</sup> .....		3.0	0.2	1.8	0.1	0.0
Nursing homes and adult day services <sup>8, 14</sup> .....	0.193	3.7	0.0	0.5	0.2	0.2
Care of invalids and elderly at home <sup>1, 5</sup> .....	0.077	2.4	0.4	-0.2	0.2	0.4
Health insurance <sup>1, 5</sup> .....	1.016	6.9	-0.1	1.1	-0.1	-0.1
Transportation services.....	5.836	2.6	0.5	0.1	0.0	-0.2
Leased cars and trucks <sup>12</sup> .....	0.544	0.2	0.5	-1.2	-1.6	-0.5
Car and truck rental <sup>2</sup> .....	0.106	4.0	-2.3	-3.4	-0.5	0.9
Motor vehicle maintenance and repair <sup>1</sup> .....	1.154	1.4	0.1	0.0	-0.2	0.1
Motor vehicle body work <sup>1</sup> .....	0.056	2.4	1.0	0.0	-0.4	1.0
Motor vehicle maintenance and servicing <sup>1</sup> .....	0.668	1.1	0.0	0.1	-0.5	0.0
Motor vehicle repair <sup>1, 2</sup> .....	0.388	1.7	0.1	-0.4	0.3	0.1
Motor vehicle insurance.....	2.418	6.7	0.9	0.5	0.4	0.2
Motor vehicle fees <sup>1, 2</sup> .....	0.525	1.1	-0.2	0.3	-0.4	-0.2
State motor vehicle registration and license fees <sup>1, 8, 2</sup> .....	0.282	1.3	0.0	0.3	0.1	0.0
Parking and other fees <sup>2</sup> .....	0.232	0.9	-0.5	0.3	-0.9	-0.5
Parking fees and tolls <sup>1, 2, 3</sup> .....		2.4	-0.3	0.2	-0.1	-0.3
Automobile service clubs <sup>1, 2, 3</sup> .....		-10.8	-0.3	0.1	-11.2	-0.3
Public transportation.....	1.089	-2.7	0.6	0.4	0.2	-1.6
Airline fare.....	0.629	-5.2	1.3	-0.1	0.4	-2.2
Other intercity transportation.....	0.178	1.1	-0.8	1.5	-0.2	-0.4
Intercity bus fare <sup>1, 3, 4</sup> .....						
Intercity train fare <sup>1, 3, 4</sup> .....		4.0	-1.0	-0.6	-0.8	-1.0
Ship fare <sup>1, 2, 3</sup> .....		4.0	-1.0	1.5	-1.7	-1.0
Intracity transportation <sup>1</sup> .....	0.280	1.2	0.0	0.0	0.1	0.0
Intracity mass transit <sup>1, 3, 9</sup> .....		1.3	0.0	0.0	0.1	0.0
Recreation services <sup>9</sup> .....	3.873	2.8	-0.1	-0.1	0.1	0.0
Video and audio services <sup>9</sup> .....	1.617	3.2	0.1	-0.3	-0.4	0.2

See footnotes at end of table.

**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2016 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
Cable and satellite television and radio service <sup>11</sup> .....	1.512	3.6	0.2	-0.2	-0.4	0.4
Video discs and other media, including rental of video and audio <sup>1, 2</sup> .....	0.105	-1.1	-2.4	-0.6	-0.2	-2.4
Video discs and other media <sup>1, 2, 3</sup> .....		-5.8	-2.7	-0.8	-0.9	-2.7
Rental of video or audio discs and other media <sup>1, 2, 3</sup> .....		4.2	0.1	0.2	0.1	0.1
Pet services including veterinary <sup>2</sup> .....	0.370	3.2	0.1	0.2	0.2	0.3
Pet services <sup>1, 2, 3</sup> .....		1.6	0.4	0.0	-0.3	0.4
Veterinarian services <sup>2, 3</sup> .....		3.3	0.1	0.2	0.4	0.2
Photographers and film processing <sup>1, 2</sup> .....	0.049	0.6	-0.1	0.3	0.1	-0.1
Photographer fees <sup>1, 2, 3</sup> .....		-1.0	0.2	0.0	-1.8	0.2
Film processing <sup>1, 2, 3</sup> .....		0.0	-0.8	1.0	0.4	-0.8
Other recreation services <sup>2</sup> .....	1.837	2.4	-0.3	-0.1	0.4	-0.3
Club dues and fees for participant sports and group exercises <sup>1, 2</sup> .....	0.645	1.9	0.0	-0.2	0.8	0.0
Admissions <sup>1</sup> .....	0.646	3.1	-0.7	0.0	0.0	-0.7
Admission to movies, theaters, and concerts <sup>1, 2, 3</sup> .....		3.4	-0.7	0.3	0.3	-0.7
Admission to sporting events <sup>1, 2, 3</sup> .....		4.4	-0.9	-0.4	1.0	-0.9
Fees for lessons or instructions <sup>1, 6</sup> .....	0.221	1.4	0.3	0.1	0.6	0.3
Education and communication services <sup>9</sup> .....	6.369	0.2	-0.1	0.1	-0.4	0.0
Tuition, other school fees, and childcare.....	3.033	2.5	0.3	-0.1	0.2	0.5
College tuition and fees.....	1.801	2.2	0.2	-0.4	0.3	0.4
Elementary and high school tuition and fees.....	0.314	3.5	0.6	0.2	0.1	0.8
Child care and nursery school <sup>10</sup> .....	0.745	2.7	0.4	0.5	-0.1	0.5
Technical and business school tuition and fees <sup>2</sup> .....	0.042	1.8	0.0	0.2	0.2	0.0
Postage and delivery services <sup>2</sup> .....	0.136	0.4	0.0	0.0	0.0	0.0
Postage <sup>1</sup> .....	0.129	0.4	0.0	0.0	0.0	0.0
Delivery services <sup>2</sup> .....	0.007	-1.0	-0.6	0.3	-0.4	-0.1
Telephone services <sup>1, 2</sup> .....	2.475	-2.4	-0.4	0.1	-1.2	-0.4
Wireless telephone services <sup>1, 2</sup> .....	1.754	-3.2	-0.5	-0.1	-1.4	-0.5
Land-line telephone services <sup>1, 9</sup> .....	0.721	-0.2	0.0	0.6	-0.8	0.0
Internet services and electronic information providers <sup>2</sup> .....	0.715	-0.4	-0.7	0.4	0.3	-1.0
Other personal services <sup>1, 9</sup> .....	1.623	2.7	0.0	0.1	0.3	0.0
Personal care services <sup>1</sup> .....	0.606	1.7	0.1	0.2	0.1	0.1
Haircuts and other personal care services <sup>1, 2</sup> .....	0.606	1.7	0.1	0.2	0.1	0.1
Miscellaneous personal services.....	1.016	3.3	-0.1	-0.1	0.5	-0.1
Legal services <sup>1, 6</sup> .....	0.245	4.1	0.0	0.0	0.5	0.0
Funeral expenses <sup>1, 6</sup> .....	0.144	1.1	0.1	0.1	0.3	0.1
Laundry and dry cleaning services <sup>1, 2</sup> .....	0.267	2.4	-0.2	0.1	0.2	-0.2
Apparel services other than laundry and dry cleaning <sup>1, 2</sup> .....	0.026	1.4	0.5	0.0	0.1	0.5
Financial services <sup>1, 6</sup> .....	0.235	5.2	-0.2	-0.2	0.9	-0.2
Checking account and other bank services <sup>1, 2, 3</sup> .....		4.7	0.1	0.0	0.1	0.1
Tax return preparation and other accounting fees <sup>1, 2, 3</sup> .....		5.1	-0.2	-0.3	0.9	-0.2

<sup>1</sup> Not seasonally adjusted.

<sup>2</sup> Indexes on a December 1997=100 base.

<sup>3</sup> Special index based on a substantially smaller sample.

<sup>4</sup> Indexes on a December 2007=100 base.

<sup>5</sup> Indexes on a December 2005=100 base.

<sup>6</sup> Indexes on a December 1986=100 base.

<sup>7</sup> Indexes on a December 1993=100 base.



<sup>8</sup> This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.

<sup>9</sup> Indexes on a December 2009=100 base.

<sup>10</sup> Indexes on a December 1990=100 base.

<sup>11</sup> Indexes on a December 1983=100 base.

<sup>12</sup> Indexes on a December 2001=100 base.

<sup>13</sup> Indexes on a December 1982=100 base.

<sup>14</sup> Indexes on a December 1996=100 base.

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

**Table 3. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, special aggregate indexes, October 2016**

[1982-84=100, unless otherwise noted]

Special aggregate indexes	Relative importance Sep. 2016	Unadjusted indexes			Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2015	Sep. 2016	Oct. 2016	Oct. 2015- Oct. 2016	Sep. 2016- Oct. 2016	Jul. 2016- Aug. 2016	Aug. 2016- Sep. 2016	Sep. 2016- Oct. 2016
All items less food.....	86.269	236.097	240.415	240.739	2.0	0.1	0.2	0.3	0.4
All items less shelter.....	66.597	223.404	224.934	224.982	0.7	0.0	0.1	0.3	0.4
All items less food and shelter.....	52.865	216.785	218.913	218.936	1.0	0.0	0.2	0.3	0.5
All items less food, shelter, and energy.....	45.734	223.194	225.549	225.768	1.2	0.1	0.2	-0.1	0.0
All items less food, shelter, energy, and used cars and trucks.....	43.675	227.837	230.561	230.991	1.4	0.2	0.2	-0.1	0.0
All items less medical care.....	91.466	227.620	230.502	230.813	1.4	0.1	0.1	0.3	0.4
All items less energy.....	92.868	244.059	247.919	248.356	1.8	0.2	0.2	0.1	0.1
Commodities.....	36.480	181.306	179.850	180.306	-0.6	0.3	0.0	0.4	0.6
Commodities less food, energy, and used cars and trucks.....	17.295	147.264	146.569	147.040	-0.2	0.3	0.2	-0.1	0.1
Commodities less food.....	22.748	150.998	149.432	149.983	-0.7	0.4	-0.1	0.7	1.1
Commodities less food and beverages.....	21.800	147.873	146.212	146.747	-0.8	0.4	-0.1	0.7	1.1
Services.....	63.520	293.683	302.153	302.307	2.9	0.1	0.3	0.2	0.2
Services less rent of shelter <sup>1</sup> .....	30.459	316.949	324.989	324.150	2.3	-0.3	0.4	0.0	0.1
Services less medical care services.....	56.851	279.509	287.212	287.359	2.8	0.1	0.3	0.2	0.2
Durables.....	9.346	108.500	106.410	106.123	-2.2	-0.3	-0.2	-0.3	0.0
Nondurables.....	27.133	217.382	216.577	217.516	0.1	0.4	0.3	0.8	0.9
Nondurables less food.....	13.402	190.523	190.055	191.602	0.6	0.8	0.6	1.7	1.7
Nondurables less food and beverages.....	12.453	187.410	186.790	188.364	0.5	0.8	0.7	1.9	1.9
Nondurables less food, beverages, and apparel.....	9.276	227.771	227.400	228.822	0.5	0.6	0.7	2.6	2.2
Nondurables less food and apparel.....	10.225	227.800	227.650	229.034	0.5	0.6	0.7	2.4	2.1
Housing.....	42.520	239.395	246.127	246.264	2.9	0.1	0.3	0.4	0.4
Education and communication <sup>2</sup> .....	6.989	139.344	139.176	138.979	-0.3	-0.1	0.0	-0.3	-0.1
Education <sup>2</sup> .....	3.197	244.700	250.469	251.173	2.6	0.3	0.0	0.2	0.5
Communication <sup>2</sup> .....	3.793	80.202	78.503	78.113	-2.6	-0.5	0.1	-0.8	-0.5
Information and information processing <sup>2</sup> ....	3.657	76.373	74.683	74.299	-2.7	-0.5	0.1	-0.8	-0.6
Information technology, hardware and services <sup>3</sup> .....	1.181	7.959	7.744	7.684	-3.5	-0.8	0.2	0.0	-0.9
Recreation <sup>2</sup> .....	5.682	116.100	116.945	116.713	0.5	-0.2	-0.1	-0.1	-0.1
Video and audio <sup>2</sup> .....	1.837	99.495	100.231	100.207	0.7	0.0	-0.4	-0.6	0.1
Pets, pet products and services <sup>2</sup> .....	0.958	168.000	170.392	170.066	1.2	-0.2	0.3	0.2	-0.1
Photography <sup>2</sup> .....	0.089	75.728	76.437	76.654	1.2	0.3	0.7	0.0	0.8
Food and beverages.....	14.680	248.575	247.645	247.861	-0.3	0.1	0.0	0.0	0.0
Domestically produced farm food.....	6.648	252.858	246.171	246.312	-2.6	0.1	-0.3	-0.1	-0.1
Other services.....	11.865	342.079	347.017	346.717	1.4	-0.1	0.0	-0.1	0.0
Apparel less footwear.....	2.475	122.436	121.325	123.112	0.6	1.5	-0.1	-0.7	0.1
Fuels and utilities.....	5.074	226.784	235.057	230.610	1.7	-1.9	0.6	0.7	0.5
Household energy.....	3.911	190.269	197.425	192.498	1.2	-2.5	0.7	0.8	0.7
Medical care.....	8.534	450.065	469.154	469.230	4.3	0.0	1.0	0.2	0.0
Transportation.....	15.252	195.858	195.402	196.185	0.2	0.4	-0.2	1.0	1.4
Private transportation.....	14.163	190.464	190.487	191.218	0.4	0.4	-0.3	1.1	1.6
New and used motor vehicles <sup>2</sup> .....	6.460	100.134	99.537	99.112	-1.0	-0.4	-0.3	-0.3	0.1
Utilities and public transportation.....	9.976	213.590	216.773	214.557	0.5	-1.0	0.2	0.0	0.0
Household furnishings and operations.....	4.043	122.422	121.126	121.390	-0.8	0.2	-0.1	0.0	0.1
Other goods and services.....	3.166	417.968	425.494	425.524	1.8	0.0	0.2	0.4	0.0
Personal care.....	2.510	222.252	225.434	225.295	1.4	-0.1	0.0	0.4	-0.1

<sup>1</sup> Indexes on a December 1982=100 base.

<sup>2</sup> Indexes on a December 1997=100 base.

<sup>3</sup> Indexes on a December 1988=100 base.

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

**Table 4. Consumer Price Index for All Urban Consumers (CPI-U): Selected areas, all items index, October 2016**  
 [1982-84=100, unless otherwise noted]

Area	Pricing Schedule <sup>1</sup>	Percent change to Oct. 2016 from:			Percent change to Sep. 2016 from:		
		Oct. 2015	Aug. 2016	Sep. 2016	Sep. 2015	Jul. 2016	Aug. 2016
U.S. city average.....	M	1.6	0.4	0.1	1.5	0.3	0.2
<b>Region and area size<sup>2</sup></b>							
Northeast urban.....	M	1.6	0.4	0.2	1.3	0.3	0.2
Size A - More than 1,500,000.....	M	1.5	0.4	0.1	1.3	0.3	0.2
Size B/C - 50,000 to 1,500,000 <sup>3</sup> .....	M	1.9	0.5	0.4	1.2	0.2	0.2
Midwest urban.....	M	1.0	0.1	-0.1	1.1	0.4	0.2
Size A - More than 1,500,000.....	M	1.2	0.2	-0.1	1.2	0.5	0.3
Size B/C - 50,000 to 1,500,000 <sup>3</sup> .....	M	1.0	0.1	0.0	0.9	0.3	0.1
Size D - Nonmetropolitan (less than 50,000).....	M	0.6	-0.2	-0.4	1.1	0.1	0.2
South urban.....	M	1.5	0.3	0.1	1.4	0.3	0.2
Size A - More than 1,500,000.....	M	1.7	0.3	0.1	1.5	0.2	0.2
Size B/C - 50,000 to 1,500,000 <sup>3</sup> .....	M	1.4	0.3	0.2	1.3	0.4	0.2
Size D - Nonmetropolitan (less than 50,000).....	M	1.0	0.5	-0.1	1.3	0.5	0.6
West urban.....	M	2.3	0.6	0.3	2.0	0.3	0.3
Size A - More than 1,500,000.....	M	2.6	0.6	0.3	2.4	0.4	0.3
Size B/C - 50,000 to 1,500,000 <sup>3</sup> .....	M	1.3	0.3	0.1	1.1	0.2	0.2
<b>Size classes</b>							
A <sup>4</sup> .....	M	1.8	0.4	0.1	1.6	0.3	0.3
B/C <sup>3</sup> .....	M	1.4	0.3	0.2	1.2	0.3	0.2
D.....	M	1.4	0.4	-0.1	1.5	0.4	0.5
<b>Selected local areas<sup>5</sup></b>							
Chicago-Gary-Kenosha, IL-IN-WI.....	M	0.8	0.7	0.1	0.6	0.8	0.6
Los Angeles-Riverside-Orange County, CA.....	M	2.2	0.6	0.4	1.9	0.1	0.2
New York-Northern N.J.-Long Island, NY-NJ-CT-PA. . .	M	1.2	0.2	0.1	1.0	0.3	0.2
Boston-Brockton-Nashua, MA-NH-ME-CT.....	1				2.3	0.7	
Cleveland-Akron, OH.....	1				0.3	-0.5	
Dallas-Fort Worth, TX.....	1				2.0	0.2	
Washington-Baltimore, DC-MD-VA-WV <sup>6</sup> .....	1				0.8	-0.1	
Atlanta, GA.....	2	2.4	-0.1 <sup>r</sup>				
Detroit-Ann Arbor-Flint, MI.....	2	1.7	0.2 <sup>r</sup>				
Houston-Galveston-Brazoria, TX.....	2	1.7	0.7 <sup>r</sup>				
Miami-Fort Lauderdale, FL.....	2	1.9	0.5 <sup>r</sup>				
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD...	2	1.3	0.6 <sup>r</sup>				
San Francisco-Oakland-San Jose, CA.....	2	3.6	0.9 <sup>r</sup>				
Seattle-Tacoma-Bremerton, WA.....	2	2.4	0.0				

<sup>1</sup> Foods, fuels, and several other items are priced every month in all areas. Most other goods and services are priced as indicated: M - Every month. 1 - January, March, May, July, September, and November. 2 - February, April, June, August, October, and December.

<sup>2</sup> Regions defined as the four Census regions.

<sup>3</sup> Indexes on a December 1996=100 base.

<sup>4</sup> Indexes on a December 1986=100 base.

<sup>5</sup> In addition, the following metropolitan areas are published semiannually and appear in Tables 34 and 39 of the January and July issues of the CPI Detailed Report: Anchorage, AK; Cincinnati-Hamilton, OH-KY-IN; Denver-Boulder-Greeley, CO; Honolulu, HI; Kansas City, MO-KS; Milwaukee-Racine, WI; Minneapolis-St. Paul, MN-WI; Phoenix-Mesa, AZ; Pittsburgh, PA; Portland-Salem, OR-WA; St. Louis, MO-IL; San Diego, CA; Tampa-St. Petersburg-Clearwater, FL.

<sup>6</sup> Indexes on a November 1996=100 base.

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NOTE: Local area indexes are byproducts of the national CPI program. Each local index has a smaller sample size than the national index and is, therefore, subject to substantially more sampling and other measurement error. As a result, local area indexes show greater volatility than the national index, although their long-term trends are similar. Therefore, the Bureau of Labor Statistics strongly urges users to consider adopting the national average CPI for use in their escalator clauses.

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

**Table 5. Chained Consumer Price Index for All Urban Consumers (C-CPI-U) and the Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, all items index, October 2016**  
 [Percent changes]

Month Year	Unadjusted 1-month percent change		Unadjusted 12-month percent change	
	C-CPI-U <sup>1</sup>	CPI-U	C-CPI-U <sup>1</sup>	CPI-U
December 2000.....			2.6	3.4
December 2001.....			1.3	1.6
December 2002.....			2.0	2.4
December 2003.....			1.7	1.9
December 2004.....			3.2	3.3
December 2005.....			2.9	3.4
December 2006.....			2.3	2.5
December 2007.....			3.7	4.1
December 2008.....			0.2	0.1
December 2009.....			2.5	2.7
December 2010.....			1.3	1.5
December 2011.....			2.9	3.0
December 2012.....			1.5	1.7
December 2013.....			1.3	1.5
January 2014.....	0.4	0.4	1.4	1.6
February 2014.....	0.4	0.4	1.0	1.1
March 2014.....	0.6	0.6	1.4	1.5
April 2014.....	0.3	0.3	1.8	2.0
May 2014.....	0.3	0.3	1.9	2.1
June 2014.....	0.2	0.2	1.9	2.1
July 2014.....	0.0	0.0	1.8	2.0
August 2014.....	-0.2	-0.2	1.5	1.7
September 2014.....	0.1	0.1	1.5	1.7
October 2014.....	-0.2	-0.3	1.5	1.7
November 2014.....	-0.6	-0.5	1.1	1.3
December 2014.....	-0.7	-0.6	0.5	0.8
January 2015.....	-0.5	-0.5	-0.4	-0.1
February 2015.....	0.4	0.4	-0.4	0.0
March 2015.....	0.7	0.6	-0.3	-0.1
April 2015.....	0.2	0.2	-0.4	-0.2
May 2015.....	0.6	0.5	-0.2	0.0
June 2015.....	0.3	0.4	0.0	0.1
July 2015.....	0.0	0.0	0.0	0.2
August 2015.....	-0.2	-0.1	0.0	0.2
September 2015.....	-0.2	-0.2	-0.3	0.0
October 2015.....	-0.1	0.0	-0.1	0.2
November 2015.....	-0.3	-0.2	0.2	0.5
December 2015.....	-0.4	-0.3	0.4	0.7
January 2016.....	0.1	0.2	1.1	1.4
February 2016.....	0.0	0.1	0.6	1.0
March 2016.....	0.6	0.4	0.5	0.9
April 2016.....	0.6	0.5	0.8	1.1
May 2016.....	0.5	0.4	0.7	1.0
June 2016.....	0.3	0.3	0.8	1.0
July 2016.....	-0.2	-0.2	0.6	0.8
August 2016.....	0.0	0.1	0.8	1.1
September 2016.....	0.3	0.2	1.3	1.5
October 2016.....	0.1	0.1	1.5	1.6

<sup>1</sup> The C-CPI-U is designed to be a closer approximation to a cost-of-living index in that it, in its final form, accounts for any substitution that consumers make across item categories in response to changes in relative prices. Since the expenditure data required for the calculation of the C-CPI-U are available only with a time lag, the C-CPI-U is being issued first in preliminary form using the latest available expenditure data at that time and is subject to two revisions.

Indexes are issued as initial estimates. Indexes are revised each quarter with the publication of January, April, July, and October data as updated expenditure estimates become available. The C-CPI-U indexes are updated quarterly until they become final. January-March indexes are final in January of the following year; April-June indexes are final in April of the following year; July-September indexes are final in July of the following year; October-December indexes are final in October of the following year.

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

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
All items.....	100.000	0.4		0.04	L-Apr.2016	0.4
Food.....	13.731	0.0	-0.005	0.08	-	-
Food at home.....	7.955	-0.2	-0.013	0.12	S-Aug.2016	-0.2
Cereals and bakery products.....	1.071	0.0	0.000	0.27	S-Aug.2016	0.0
Cereals and cereal products.....	0.360	-0.6	-0.002	0.44	S-Aug.2016	-0.7
Flour and prepared flour mixes.....	0.044	-1.0	0.000	0.64	S-Aug.2016	-1.2
Breakfast cereal <sup>4</sup> .....	0.185	-0.2	0.000	0.71	S-Aug.2016	-1.5
Rice, pasta, cornmeal <sup>4</sup> .....	0.131	0.8	0.001	0.67	L-Jan.2016	1.1
Rice <sup>4, 5, 6</sup> .....		2.7		0.83	L-Aug.2008	3.8
Bakery products <sup>4</sup> .....	0.711	0.3	0.002	0.31	L-Aug.2016	0.4
Bread <sup>4, 5</sup> .....	0.211	0.5	0.001	0.57	L-Jun.2016	0.5
White bread <sup>4, 6</sup> .....		0.3		0.81	L-May 2016	0.7
Bread other than white <sup>4, 6</sup> .....		0.7		0.88	L-Aug.2016	1.2
Fresh biscuits, rolls, muffins <sup>5</sup> .....	0.105	-1.5	-0.002	0.69	S-Aug.2009	-2.1
Cakes, cupcakes, and cookies.....	0.173	-0.7	-0.001	0.64	S-Jun.2016	-0.7
Cookies <sup>6</sup> .....		0.0		0.97	S-Jul.2016	-1.8
Fresh cakes and cupcakes <sup>4, 6</sup> .....		-1.1		0.86	S-Apr.2016	-1.3
Other bakery products.....	0.222	0.8	0.002	0.66	L-Jun.2016	0.8
Fresh sweetrolls, coffeecakes, doughnuts <sup>4, 6</sup> .....		-2.7		0.84	S-Dec.2015	-3.0
Crackers, bread, and cracker products <sup>6</sup> .....		1.4		1.25	L-Aug.2016	1.7
Frozen and refrigerated bakery products, pies, tarts, turnovers <sup>6</sup> .....		2.3		0.88	L-Nov.2012	2.3
Meats, poultry, fish, and eggs.....	1.776	-0.7	-0.012	0.22	S-Jun.2016	-0.7
Meats, poultry, and fish.....	1.675	-0.6	-0.011	0.24	S-Jul.2016	-0.6
Meats.....	1.063	-0.8	-0.009	0.27	S-Jul.2016	-0.9
Beef and veal.....	0.476	-1.5	-0.007	0.40	S-Dec.2015	-1.8
Uncooked ground beef <sup>4</sup> .....	0.193	-1.3	-0.002	0.55	S-Jan.2016	-2.0
Uncooked beef roasts <sup>4, 5</sup> .....	0.063	-1.1	-0.001	0.87	L-May 2016	2.9
Uncooked beef steaks <sup>5</sup> .....	0.172	-1.9	-0.003	0.70	S-Jul.2016	-2.9
Uncooked other beef and veal <sup>4, 5</sup> .....	0.047	-0.6	0.000	0.81	S-Aug.2016	-1.0
Pork.....	0.333	-1.1	-0.004	0.47	L-Aug.2016	-0.5
Bacon, breakfast sausage, and related products <sup>5</sup> .....	0.140	-0.8	-0.001	0.76	S-Aug.2016	-1.2
Bacon and related products <sup>6</sup> .....		0.1		0.95	L-May 2016	0.1
Breakfast sausage and related products <sup>5, 6</sup> .....		-2.0		0.94	S-May 2016	-2.7
Ham.....	0.062	-1.1	-0.001	0.91	S-Aug.2016	-1.8
Ham, excluding canned <sup>6</sup> .....		-1.2		1.16	S-Aug.2016	-2.1
Pork chops <sup>4</sup> .....	0.054	-0.2	0.000	1.17	L-Jul.2016	2.1
Other pork including roasts and picnics <sup>5</sup> .....	0.078	-1.1	-0.001	1.01	L-Aug.2016	1.8
Other meats.....	0.254	0.9	0.002	0.48	L-Sep.2014	1.1
Frankfurters <sup>6</sup> .....		4.4		1.56	L-Jul.2011	5.5
Lunchmeats <sup>5, 6</sup> .....		-0.2		0.62	S-Aug.2016	-1.0
Lamb and organ meats <sup>4, 6</sup> .....		0.3		1.72	S-Aug.2016	-1.2
Lamb and mutton <sup>4, 5, 6</sup> .....		0.5		2.54	S-Aug.2016	-0.1
Poultry.....	0.345	-0.3	-0.001	0.63	S-Jul.2016	-0.3
Chicken <sup>4, 5</sup> .....	0.279	0.0	0.000	0.76	S-Aug.2016	-0.2
Fresh whole chicken <sup>4, 6</sup> .....		-0.2		1.42	S-Aug.2016	-1.9
Fresh and frozen chicken parts <sup>4, 6</sup> .....		0.2		0.72	L-Aug.2016	0.4
Other poultry including turkey <sup>5</sup> .....	0.066	1.1	0.001	0.78	L-Jun.2016	1.2
Fish and seafood.....	0.267	-0.4	-0.001	0.54	S-May 2016	-0.4
Fresh fish and seafood <sup>5</sup> .....	0.146	0.4	0.001	0.87	S-Aug.2016	-0.9
Processed fish and seafood <sup>5</sup> .....	0.121	-1.7	-0.002	0.53	S-Mar.2003	-1.7

See footnotes at end of table.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
Shelf stable fish and seafood <sup>4, 6</sup> .....		-0.9		0.88	S-Jul.2016	-1.5
Frozen fish and seafood <sup>6</sup> .....		-1.8		0.75	S-Oct.2015	-1.9
Eggs.....	0.101	-1.2	-0.001	0.62	S-Aug.2016	-6.6
Dairy and related products.....	0.813	0.3	0.002	0.26	L-Apr.2016	0.4
Milk <sup>4, 5</sup> .....	0.232	0.9	0.002	0.33	S-Jul.2016	-0.4
Fresh whole milk <sup>6</sup> .....		0.8		0.53	S-Jul.2016	-1.6
Fresh milk other than whole <sup>5, 6</sup> .....		0.8		0.45	S-Aug.2016	0.6
Cheese and related products.....	0.261	0.4	0.001	0.46	L-Apr.2016	0.7
Ice cream and related products.....	0.115	0.0	0.000	0.83	L-Aug.2016	0.2
Other dairy and related products <sup>4, 5</sup> .....	0.205	-0.2	0.000	0.57	L-Aug.2016	-0.2
Fruits and vegetables.....	1.345	0.2	0.003	0.37	L-Jul.2016	0.3
Fresh fruits and vegetables.....	1.050	0.2	0.002	0.46	L-Jul.2016	0.3
Fresh fruits.....	0.573	0.5	0.003	0.64	—	—
Apples.....	0.088	1.0	0.001	1.11	L-Mar.2016	1.6
Bananas <sup>4</sup> .....	0.088	-0.8	-0.001	0.62	S-Aug.2016	-0.8
Citrus fruits <sup>5</sup> .....	0.168	-0.6	-0.001	1.44	S-Aug.2016	-2.4
Oranges, including tangerines <sup>6</sup> .....		-1.5		1.41	S-Aug.2016	-3.1
Other fresh fruits <sup>5</sup> .....	0.229	0.2	0.001	1.08	L-Aug.2016	3.0
Fresh vegetables.....	0.477	-0.2	-0.001	0.59	L-Aug.2016	0.2
Potatoes.....	0.082	0.3	0.000	1.14	S-Aug.2016	0.1
Lettuce.....	0.061	-2.0	-0.001	1.44	L-Aug.2016	-0.2
Tomatoes <sup>4</sup> .....	0.082	5.4	0.004	1.42	L-Jan.2016	15.3
Other fresh vegetables.....	0.252	-1.1	-0.003	0.74	L-Aug.2016	-0.6
Processed fruits and vegetables <sup>5</sup> .....	0.295	0.4	0.001	0.49	L-Apr.2016	1.6
Canned fruits and vegetables <sup>5</sup> .....	0.155	0.9	0.001	0.76	L-Apr.2016	1.7
Canned fruits <sup>5, 6</sup> .....		0.6		0.86	L-Apr.2016	1.9
Canned vegetables <sup>5, 6</sup> .....		0.5		1.02	L-Jul.2016	0.9
Frozen fruits and vegetables <sup>5</sup> .....	0.086	2.2	0.002	0.86	L-Oct.2011	2.6
Frozen vegetables <sup>6</sup> .....		2.4		1.07	L-Apr.2016	2.5
Other processed fruits and vegetables including dried <sup>5</sup> .....	0.054	-1.8	-0.001	0.73	S-Aug.2016	-2.3
Dried beans, peas, and lentils <sup>4, 5, 6</sup> .....		-0.5		0.79	S-Aug.2016	-1.7
Nonalcoholic beverages and beverage materials.....	0.952	-0.4	-0.004	0.34	—	—
Juices and nonalcoholic drinks <sup>5</sup> .....	0.669	-0.3	-0.002	0.43	L-Aug.2016	0.2
Carbonated drinks.....	0.268	0.7	0.002	0.68	L-Apr.2016	1.5
Frozen noncarbonated juices and drinks <sup>4, 5</sup> .....	0.011	0.1	0.000	0.64	S-Jul.2016	-1.6
Nonfrozen noncarbonated juices and drinks <sup>5</sup> .....	0.390	-0.5	-0.002	0.61	L-Aug.2016	0.6
Beverage materials including coffee and tea <sup>5</sup> .....	0.283	-0.6	-0.002	0.44	S-Jun.2016	-1.0
Coffee.....	0.177	-0.5	-0.001	0.59	S-Aug.2016	-0.7
Roasted coffee <sup>6</sup> .....		-1.1		0.64	S-Jul.2016	-1.5
Instant and freeze dried coffee <sup>4, 6</sup> .....		0.1		1.03	L-Aug.2016	2.3
Other beverage materials including tea <sup>5</sup> .....	0.106	-0.9	-0.001	0.62	S-Jun.2016	-1.9
Other food at home.....	1.997	-0.1	-0.002	0.23	S-Aug.2016	-0.2
Sugar and sweets <sup>4</sup> .....	0.292	-0.6	-0.002	0.58	S-Oct.2015	-0.7
Sugar and artificial sweeteners.....	0.050	-0.3	0.000	0.62	—	—
Candy and chewing gum <sup>4, 5</sup> .....	0.187	-1.3	-0.002	0.89	S-Apr.2015	-2.0
Other sweets <sup>5</sup> .....	0.054	3.3	0.002	0.63	L-May 2000	3.6
Fats and oils.....	0.235	-0.5	-0.001	0.42	S-Aug.2016	-0.5
Butter and margarine <sup>5</sup> .....	0.069	-0.8	-0.001	0.65	L-Aug.2016	-0.3
Butter <sup>6</sup> .....		-2.0		0.92	S-May 2016	-3.3
Margarine <sup>6</sup> .....		-0.5		1.02	S-Aug.2016	-0.7
Salad dressing <sup>5</sup> .....	0.057	-1.0	-0.001	0.82	S-Aug.2016	-1.5
Other fats and oils including peanut butter <sup>5</sup> .....	0.109	0.5	0.001	0.62	L-Apr.2016	0.9

See footnotes at end of table.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
Peanut butter <sup>4, 5, 6</sup> .....		0.5		1.00	S-Jul.2016	-2.1
Other foods.....	1.470	0.1	0.001	0.28	L-Jun.2016	0.1
Soups.....	0.092	-0.6	-0.001	1.02	S-Jul.2016	-1.3
Frozen and freeze dried prepared foods <sup>4</sup> .....	0.260	0.4	0.001	0.63	L-Apr.2016	0.7
Snacks <sup>4</sup> .....	0.332	0.3	0.001	0.66	L-Aug.2016	0.5
Spices, seasonings, condiments, sauces.....	0.288	-0.6	-0.002	0.59	S-Aug.2016	-1.3
Salt and other seasonings and spices <sup>5, 6</sup> .....		-0.7		0.93	S-May 2016	-0.8
Olives, pickles, relishes <sup>4, 5, 6</sup> .....		-0.8		1.56	S-Aug.2016	-4.0
Sauces and gravies <sup>5, 6</sup> .....		-0.6		0.87	S-Aug.2016	-1.6
Other condiments <sup>6</sup> .....		1.8		0.97	L-Jun.2016	2.5
Baby food <sup>4, 5</sup> .....	0.055	0.5	0.000	0.38	L-Jul.2016	1.0
Other miscellaneous foods <sup>4, 5</sup> .....	0.442	0.2	0.001	0.51	L-Jun.2016	0.4
Prepared salads <sup>4, 7, 6</sup> .....		3.6		0.55	L-Jun.2010	4.7
Food away from home <sup>4</sup> .....	5.777	0.1	0.008	0.06	S-Feb.2016	0.1
Full service meals and snacks <sup>4, 5</sup> .....	2.799	0.0	0.001	0.07	S-Oct.2013	0.0
Limited service meals and snacks <sup>4, 5</sup> .....	2.453	0.2	0.005	0.10	—	—
Food at employee sites and schools <sup>5</sup> .....	0.198	0.1	0.000	0.16	L-Jul.2016	1.8
Food at elementary and secondary schools <sup>4, 8, 6</sup> .....		0.1		0.08	S-Jun.2016	0.0
Food from vending machines and mobile vendors <sup>4, 5</sup> .....	0.082	0.4	0.000	0.34	S-Aug.2016	0.0
Other food away from home <sup>4, 5</sup> .....	0.245	0.2	0.000	0.11	L-Dec.2015	0.3
Energy.....	7.132	3.5	0.244	0.15	L-Feb.2013	4.5
Energy commodities.....	3.395	6.7	0.225	0.12	L-Apr.2016	7.8
Fuel oil and other fuels.....	0.174	3.5	0.006	0.53	L-Jun.2016	3.7
Fuel oil <sup>4</sup> .....	0.092	5.9	0.005	0.37	L-May 2016	6.2
Propane, kerosene, and firewood <sup>9</sup> .....	0.081	-0.2	0.000	0.78	S-Aug.2016	-2.7
Motor fuel.....	3.221	6.9	0.219	0.12	L-Apr.2016	8.0
Gasoline (all types).....	3.173	7.0	0.218	0.12	L-Apr.2016	8.1
Gasoline, unleaded regular <sup>6</sup> .....		7.2		0.38	L-Apr.2016	8.4
Gasoline, unleaded midgrade <sup>10, 6</sup> .....		6.4		0.36	L-Apr.2016	6.6
Gasoline, unleaded premium <sup>6</sup> .....		5.9		0.31	L-Apr.2016	6.6
Other motor fuels <sup>5</sup> .....	0.048	1.7	0.001	0.12	S-Aug.2016	-1.4
Energy services <sup>11</sup> .....	3.737	0.5	0.019	0.28	S-Jun.2016	-0.5
Electricity <sup>11</sup> .....	2.949	0.4	0.012	0.35	S-Jun.2016	-0.5
Utility (piped) gas service <sup>11</sup> .....	0.788	0.9	0.007	0.28	L-Aug.2016	2.1
All items less food and energy.....	79.137	0.1	0.118	0.04	—	—
Commodities less food and energy commodities.....	19.353	0.1	0.014	0.09	L-Aug.2016	0.1
Household furnishings and supplies <sup>12</sup> .....	3.196	0.0	0.001	0.16	—	—
Window and floor coverings and other linens <sup>4, 5</sup> .....	0.261	0.8	0.002	0.56	L-Jul.2016	1.4
Floor coverings <sup>4, 5</sup> .....	0.060	-1.6	-0.001	0.41	S-Dec.2010	-1.9
Window coverings <sup>4, 5</sup> .....	0.052	4.3	0.002	0.50	L-EVER	—
Other linens <sup>4, 5</sup> .....	0.149	0.6	0.001	0.83	L-Jul.2016	2.7
Furniture and bedding <sup>4</sup> .....	0.752	1.2	0.009	0.31	L-Apr.2015	1.3
Bedroom furniture <sup>4</sup> .....	0.268	-0.6	-0.002	0.47	S-Jul.2016	-0.8
Living room, kitchen, and dining room furniture <sup>4, 5</sup> .....	0.355	2.5	0.009	0.50	L-EVER	—
Other furniture <sup>5</sup> .....	0.124	1.5	0.002	0.61	L-Apr.2013	1.8
Infants' furniture <sup>4, 8, 6</sup> .....						
Appliances <sup>5</sup> .....	0.183	-0.8	-0.001	0.46	L-Aug.2016	-0.5
Major appliances <sup>5</sup> .....	0.056	-0.7	0.000	0.67	S-Jul.2016	-1.8
Laundry equipment <sup>6</sup> .....		-2.5		0.95	S-Jul.2015	-2.5
Other appliances <sup>4, 5</sup> .....	0.124	-0.9	-0.001	0.66	S-Aug.2016	-0.9
Other household equipment and furnishings <sup>5</sup> .....	0.462	-0.6	-0.003	0.51	S-Jul.2016	-1.1
Clocks, lamps, and decorator items <sup>4</sup> .....	0.239	-1.1	-0.003	0.88	S-Jun.2016	-1.5

See footnotes at end of table.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
Indoor plants and flowers <sup>13</sup> .....	0.100	0.1	0.000	0.50	S-Jul.2016	-3.6
Dishes and flatware <sup>4, 5</sup> .....	0.051	1.0	0.001	1.23	L-May 2016	1.1
Nonelectric cookware and tableware <sup>5</sup> .....	0.071	0.9	0.001	0.42	L-Apr.2016	1.7
Tools, hardware, outdoor equipment and supplies <sup>5</sup> ....	0.674	-0.2	-0.001	0.25	S-Aug.2016	-0.3
Tools, hardware and supplies <sup>4, 5</sup> .....	0.179	0.0	0.000	0.39	S-Aug.2016	-0.6
Outdoor equipment and supplies <sup>5</sup> .....	0.336	-0.2	-0.001	0.32	S-May 2016	-0.5
Housekeeping supplies <sup>4</sup> .....	0.864	-0.1	-0.001	0.26	S-Aug.2016	-0.1
Household cleaning products <sup>5</sup> .....	0.342	0.0	0.000	0.45	L-Jul.2016	0.3
Household paper products <sup>4, 5</sup> .....	0.235	-1.0	-0.002	0.43	S-Jul.2013	-1.1
Miscellaneous household products <sup>4, 5</sup> .....	0.287	0.2	0.000	0.41	L-Aug.2016	0.2
Apparel.....	3.177	0.3	0.010	0.41	L-May 2016	0.8
Men's and boys' apparel.....	0.791	0.1	0.001	0.74	L-Aug.2016	1.2
Men's apparel.....	0.632	-0.2	-0.001	0.80	L-Aug.2016	1.2
Men's suits, sport coats, and outerwear.....	0.105	1.5	0.002	2.00	L-Aug.2016	4.5
Men's furnishings.....	0.202	-2.6	-0.005	0.89	S-Apr.2016	-3.3
Men's shirts and sweaters <sup>5</sup> .....	0.179	0.9	0.002	1.56	L-Aug.2016	1.0
Men's pants and shorts.....	0.141	0.8	0.001	1.57	L-Aug.2016	1.6
Boys' apparel.....	0.159	0.4	0.001	1.48	S-Aug.2016	0.4
Women's and girls' apparel.....	1.303	0.1	0.001	0.73	L-Jun.2016	1.0
Women's apparel.....	1.088	0.3	0.003	0.78	L-Jul.2016	0.4
Women's outerwear.....	0.073	-3.6	-0.002	2.43	L-Jul.2016	0.7
Women's dresses.....	0.159	2.1	0.003	2.38	L-Apr.2016	2.9
Women's suits and separates <sup>5</sup> .....	0.496	1.8	0.009	0.97	L-Dec.2013	4.8
Women's underwear, nightwear, sportswear and accessories <sup>5</sup> .....	0.349	-1.3	-0.005	0.92	S-Aug.2016	-1.8
Girls' apparel.....	0.216	-0.9	-0.002	1.83	S-Jul.2016	-5.5
Footwear.....	0.703	1.0	0.007	0.73	L-Aug.2016	1.3
Men's footwear <sup>4</sup> .....	0.215	0.6	0.001	1.07	S-Aug.2016	0.5
Boys' and girls' footwear.....	0.172	1.5	0.003	1.10	L-Feb.2016	2.4
Women's footwear.....	0.316	0.9	0.003	1.17	L-Aug.2016	2.3
Infants' and toddlers' apparel.....	0.152	-1.1	-0.002	0.98	L-Aug.2016	1.0
Jewelry and watches <sup>9</sup> .....	0.228	1.0	0.002	0.78	L-Aug.2016	1.8
Watches <sup>4, 9</sup> .....	0.082	-0.1	0.000	0.87	L-Jul.2016	1.9
Jewelry <sup>9</sup> .....	0.146	1.6	0.002	0.96	L-Aug.2016	3.3
Transportation commodities less motor fuel <sup>12</sup> .....	6.195	0.1	0.007	0.09	L-Feb.2016	0.2
New vehicles.....	3.658	0.2	0.009	0.14	L-Jul.2016	0.2
New cars and trucks <sup>5, 6</sup> .....		0.3		0.12	L-Jan.2016	0.3
New cars <sup>6</sup> .....		0.2		0.14	L-Feb.2016	0.2
New trucks <sup>14, 6</sup> .....		0.3		0.13	L-Jan.2016	0.3
Used cars and trucks.....	2.058	-0.1	-0.002	0.01	L-Mar.2016	-0.1
Motor vehicle parts and equipment <sup>4</sup> .....	0.384	0.2	0.001	0.21	L-Aug.2016	0.5
Tires <sup>4</sup> .....	0.230	0.4	0.001	0.29	L-Aug.2016	0.8
Vehicle accessories other than tires <sup>4, 5</sup> .....	0.154	-0.1	0.000	0.27	L-Aug.2016	0.2
Vehicle parts and equipment other than tires <sup>4, 6</sup> .....		0.0		0.24	L-Jul.2016	0.2
Motor oil, coolant, and fluids <sup>4, 6</sup> .....		-0.1		0.52	L-Aug.2016	3.3
Medical care commodities.....	1.865	0.1	0.001	0.21	S-May 2016	-0.4
Medicinal drugs <sup>4, 12</sup> .....	1.806	-0.1	-0.002	0.22	S-May 2016	-0.6
Prescription drugs.....	1.444	0.2	0.002	0.24	S-May 2016	-0.6
Nonprescription drugs <sup>4, 12</sup> .....	0.362	-0.8	-0.003	0.47	S-Jun.2015	-1.0
Medical equipment and supplies <sup>4, 12</sup> .....	0.059	-0.1	0.000	0.39	L-Jul.2016	0.3
Recreation commodities <sup>12</sup> .....	1.809	-0.4	-0.008	0.17	—	—
Video and audio products <sup>12</sup> .....	0.221	-1.0	-0.002	0.35	L-Mar.2016	-0.8

See footnotes at end of table.



**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
Televisions.....	0.107	-1.2	-0.001	0.60	L-Nov.2015	-0.9
Other video equipment <sup>5</sup> .....	0.025	1.1	0.000	0.78	L-Jul.2016	1.2
Audio equipment.....	0.058	-1.8	-0.001	0.55	L-Aug.2016	-1.6
Audio discs, tapes and other media <sup>4, 5</sup> .....	0.022	-0.8	0.000	0.62	L-Aug.2016	-0.4
Pets and pet products <sup>4</sup> .....	0.588	-0.4	-0.002	0.30	S-Jul.2016	-0.4
Pet food <sup>4, 5, 6</sup> .....		-0.8		0.33	S-Jul.2015	-2.0
Purchase of pets, pet supplies, accessories <sup>4, 5, 6</sup> .....		0.1		0.43	S-Jul.2016	-0.2
Sporting goods <sup>4</sup> .....	0.434	0.2	0.001	0.31	L-Jul.2016	0.2
Sports vehicles including bicycles <sup>4</sup> .....	0.228	0.7	0.002	0.43	L-Apr.2016	2.3
Sports equipment.....	0.197	-0.6	-0.001	0.44	L-Aug.2016	-0.2
Photographic equipment and supplies.....	0.039	2.0	0.001	0.96	L-Jul.2016	2.6
Film and photographic supplies <sup>4, 5, 6</sup> .....		0.3		0.64	S-Aug.2016	0.1
Photographic equipment <sup>5, 6</sup> .....		2.5		1.06	L-Jul.2016	3.1
Recreational reading materials <sup>4</sup> .....	0.151	-1.4	-0.002	0.48	S-Mar.2016	-1.6
Newspapers and magazines <sup>4, 5</sup> .....	0.088	-1.8	-0.002	0.68	S-EVER	—
Recreational books <sup>4, 5</sup> .....	0.063	-0.9	-0.001	0.59	L-Aug.2016	5.3
Other recreational goods <sup>5</sup> .....	0.376	-0.8	-0.003	0.48	—	—
Toys.....	0.304	-1.3	-0.004	0.59	S-Jul.2016	-1.5
Toys, games, hobbies and playground equipment <sup>1, 6</sup> .....		-0.8		0.68	L-Aug.2016	1.0
Sewing machines, fabric and supplies <sup>4, 5</sup> .....	0.023	5.6	0.001	1.32	L-EVER	—
Music instruments and accessories <sup>4, 5</sup> .....	0.034	-0.2	0.000	0.42	S-Mar.2016	-0.2
Education and communication commodities <sup>12</sup> .....	0.620	-0.6	-0.004	0.30	S-May 2016	-0.8
Educational books and supplies.....	0.164	0.1	0.000	0.45	S-May 2016	0.1
College textbooks <sup>4, 15, 6</sup> .....		0.3		0.41	S-May 2016	-0.1
Information technology commodities <sup>12</sup> .....	0.456	-0.8	-0.004	0.40	S-Jun.2016	-0.8
Personal computers and peripheral equipment <sup>7</sup> .....	0.276	-0.1	0.000	0.49	L-Aug.2016	0.4
Computer software and accessories <sup>4, 5</sup> .....	0.088	-2.1	-0.002	0.82	S-May 2016	-4.3
Telephone hardware, calculators, and other consumer information items <sup>4, 5</sup> .....	0.091	-1.8	-0.002	0.84	S-Jun.2016	-2.0
Alcoholic beverages.....	0.949	0.4	0.003	0.16	L-Jan.2016	0.5
Alcoholic beverages at home.....	0.584	0.5	0.003	0.23	L-Jan.2016	0.6
Beer, ale, and other malt beverages at home.....	0.266	0.6	0.002	0.28	L-Apr.2016	0.6
Distilled spirits at home.....	0.073	0.9	0.001	0.39	L-Feb.2016	1.0
Whiskey at home <sup>4, 6</sup> .....		0.5		0.40	L-Jul.2016	0.6
Distilled spirits, excluding whiskey, at home <sup>6</sup> .....		1.2		0.55	L-Dec.2010	1.3
Wine at home.....	0.244	-0.2	0.000	0.44	S-Aug.2016	-0.3
Alcoholic beverages away from home <sup>4</sup> .....	0.365	0.3	0.001	0.18	—	—
Beer, ale, and other malt beverages away from home <sup>4, 5, 6</sup> .....		0.4		0.15	L-May 2016	0.5
Wine away from home <sup>4, 5, 6</sup> .....		0.1		0.24	S-Jul.2016	0.0
Distilled spirits away from home <sup>4, 5, 6</sup> .....		0.4		0.20	L-May 2016	0.8
Other goods <sup>12</sup> .....	1.543	-0.1	-0.001	0.18	S-Jul.2016	-0.3
Tobacco and smoking products.....	0.656	0.3	0.002	0.16	S-Jul.2016	-0.5
Cigarettes <sup>5</sup> .....	0.594	0.4	0.002	0.17	—	—
Tobacco products other than cigarettes <sup>4, 5</sup> .....	0.045	-0.2	0.000	0.53	S-Aug.2016	-0.2
Personal care products <sup>4</sup> .....	0.703	-0.3	-0.002	0.31	S-Jun.2016	-0.4
Hair, dental, shaving, and miscellaneous personal care products <sup>4, 5</sup> .....	0.374	-0.3	-0.001	0.46	S-Jun.2016	-0.3
Cosmetics, perfume, bath, nail preparations and implements <sup>4</sup> .....	0.323	-0.3	-0.001	0.40	L-Aug.2016	0.8
Miscellaneous personal goods <sup>5</sup> .....	0.184	-0.4	-0.001	0.44	S-Aug.2016	-0.6
Stationery, stationery supplies, gift wrap <sup>6</sup> .....		-0.4		0.54	S-Aug.2016	-1.0

See footnotes at end of table.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
Infants' equipment <sup>4, 8, 6</sup> .....		-0.4		0.51	S-Jun.2016	-1.5
Services less energy services.....	59.784	0.2	0.105	0.04	—	—
Shelter.....	33.403	0.4	0.119	0.06	—	—
Rent of shelter <sup>16</sup> .....	33.061	0.4	0.116	0.06	L-Aug.2016	0.4
Rent of primary residence <sup>11</sup> .....	7.777	0.4	0.031	0.04	L-Jun.2016	0.4
Lodging away from home <sup>5</sup> .....	0.935	1.6	0.015	1.89	L-Aug.2016	2.0
Housing at school, excluding board <sup>11, 16</sup> .....	0.121	0.1	0.000	0.04	S-Aug.2016	-0.1
Other lodging away from home including hotels and motels.....	0.814	1.8	0.015	2.30	L-Aug.2016	2.3
Owners' equivalent rent of residences <sup>11, 16</sup> .....	24.349	0.3	0.074	0.03	S-Aug.2016	0.3
Owners' equivalent rent of primary residence <sup>11, 16</sup> .....	23.233	0.3	0.071	0.03	S-Aug.2016	0.3
Tenants' and household insurance <sup>4, 5</sup> .....	0.342	-0.1	0.000	0.31	—	—
Water and sewer and trash collection services <sup>5</sup> .....	1.163	0.1	0.001	0.13	S-Jul.2016	-0.3
Water and sewerage maintenance <sup>11</sup> .....	0.880	0.1	0.001	0.16	S-Jul.2016	-0.5
Garbage and trash collection <sup>4, 14</sup> .....	0.283	0.1	0.000	0.17	—	—
Household operations <sup>4, 5</sup> .....	0.847	0.3	0.002	0.14	L-Jul.2016	0.3
Domestic services <sup>4, 5</sup> .....	0.281	0.0	0.000	0.12	S-Jul.2016	0.0
Gardening and lawncare services <sup>4, 5</sup> .....	0.277	0.8	0.002	0.09	L-Apr.2015	1.8
Moving, storage, freight expense <sup>5</sup> .....	0.119	-0.8	-0.001	0.59	S-Aug.2016	-1.3
Repair of household items <sup>4, 5</sup> .....	0.087	1.4	0.001	0.12	L-May 2016	1.4
Medical care services.....	6.669	0.0	0.000	0.08	—	—
Professional services.....	3.150	0.0	0.000	0.10	S-Jun.2016	0.0
Physicians' services <sup>11</sup> .....	1.700	-0.1	-0.001	0.13	S-Apr.2016	-0.1
Dental services <sup>11</sup> .....	0.815	0.1	0.001	0.11	S-Jul.2016	0.0
Eyeglasses and eye care <sup>4, 9</sup> .....	0.322	-0.1	0.000	0.38	S-Aug.2016	-0.3
Services by other medical professionals <sup>11, 9</sup> .....	0.313	0.0	0.000	0.14	L-Jul.2016	1.0
Hospital and related services.....	2.504	0.2	0.006	0.11	L-Aug.2016	1.6
Hospital services <sup>11, 17</sup> .....	2.234	0.2	0.005	0.12	L-Aug.2016	1.7
Inpatient hospital services <sup>11, 17, 6</sup> .....		0.6		0.21	L-Aug.2016	1.4
Outpatient hospital services <sup>11, 9, 6</sup> .....		0.0		0.20	S-Mar.2016	-0.2
Nursing homes and adult day services <sup>11, 17</sup> .....	0.193	0.2	0.000	0.10	—	—
Care of invalids and elderly at home <sup>4, 8</sup> .....	0.077	0.4	0.000	0.10	L-Feb.2016	0.4
Health insurance <sup>4, 8</sup> .....	1.016	-0.1	-0.001	0.08	—	—
Transportation services.....	5.836	-0.2	-0.014	0.14	S-Jul.2016	-0.2
Leased cars and trucks <sup>15</sup> .....	0.544	-0.5	-0.002	0.31	L-Jul.2016	0.7
Car and truck rental <sup>5</sup> .....	0.106	0.9	0.001	1.50	L-Jun.2016	3.2
Motor vehicle maintenance and repair <sup>4</sup> .....	1.154	0.1	0.001	0.17	L-Jul.2016	0.2
Motor vehicle body work <sup>4</sup> .....	0.056	1.0	0.001	0.14	L-Sep.2005	1.1
Motor vehicle maintenance and servicing <sup>4</sup> .....	0.668	0.0	0.000	0.20	L-Aug.2016	0.1
Motor vehicle repair <sup>4, 5</sup> .....	0.388	0.1	0.000	0.27	S-Aug.2016	-0.4
Motor vehicle insurance.....	2.418	0.2	0.005	0.23	S-Jun.2016	0.2
Motor vehicle fees <sup>4, 5</sup> .....	0.525	-0.2	-0.001	0.11	L-Aug.2016	0.3
State motor vehicle registration and license fees <sup>4, 11, 5</sup> .....	0.282	0.0	0.000	0.08	S-Jun.2016	0.0
Parking and other fees <sup>5</sup> .....	0.232	-0.5	-0.001	0.18	L-Aug.2016	0.3
Parking fees and tolls <sup>4, 5, 6</sup> .....		-0.3		0.24	S-Jun.2014	-0.3
Automobile service clubs <sup>4, 5, 6</sup> .....		-0.3		0.17	L-Aug.2016	0.1
Public transportation.....	1.089	-1.6	-0.018	0.36	S-Jul.2016	-2.5
Airline fare.....	0.629	-2.2	-0.015	0.51	S-Jul.2016	-4.9
Other intercity transportation.....	0.178	-0.4	-0.001	0.67	S-Jun.2016	-1.8
Intercity bus fare <sup>4, 7, 6</sup> .....						
Intercity train fare <sup>4, 7, 6</sup> .....		-1.0		1.12	S-Jan.2016	-3.6

See footnotes at end of table.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
Ship fare <sup>4, 5, 6</sup> .....		-1.0		0.79	L-Aug.2016	1.5
Intracity transportation <sup>4</sup> .....	0.280	0.0	0.000	0.06	S-Aug.2016	0.0
Intracity mass transit <sup>4, 12, 6</sup> .....		0.0		0.08	S-Aug.2016	0.0
Recreation services <sup>12</sup> .....	3.873	0.0	0.000	0.16	S-Aug.2016	-0.1
Video and audio services <sup>12</sup> .....	1.617	0.2	0.004	0.13	L-Jul.2016	0.2
Cable and satellite television and radio service <sup>14</sup> .....	1.512	0.4	0.006	0.13	L-Jun.2016	0.7
Video discs and other media, including rental of video and audio <sup>4, 5</sup> .....	0.105	-2.4	-0.003	0.90	S-Jun.2015	-2.8
Video discs and other media <sup>4, 5, 6</sup> .....		-2.7		1.27	S-Jul.2016	-2.9
Rental of video or audio discs and other media <sup>4, 5, 6</sup> .....		0.1		0.29	—	—
Pet services including veterinary <sup>5</sup> .....	0.370	0.3	0.001	0.11	L-Jul.2016	0.4
Pet services <sup>4, 5, 6</sup> .....		0.4		0.12	L-Jul.2016	0.5
Veterinarian services <sup>5, 6</sup> .....		0.2		0.12	S-Aug.2016	0.2
Photographers and film processing <sup>4, 5</sup> .....	0.049	-0.1	0.000	0.39	S-Jun.2016	-0.1
Photographer fees <sup>4, 5, 6</sup> .....		0.2		0.14	L-Feb.2016	0.4
Film processing <sup>4, 5, 6</sup> .....		-0.8		0.57	S-Nov.2015	-1.7
Other recreation services <sup>5</sup> .....	1.837	-0.3	-0.005	0.33	S-Nov.2015	-0.3
Club dues and fees for participant sports and group exercises <sup>4, 5</sup> .....	0.645	0.0	0.000	0.45	S-Aug.2016	-0.2
Admissions <sup>4</sup> .....	0.646	-0.7	-0.005	0.55	S-Sep.2015	-1.2
Admission to movies, theaters, and concerts <sup>4, 5, 6</sup> .....		-0.7		0.52	S-Jul.2016	-1.0
Admission to sporting events <sup>4, 5, 6</sup> .....		-0.9		0.66	S-Mar.2016	-4.6
Fees for lessons or instructions <sup>4, 9</sup> .....	0.221	0.3	0.001	0.18	S-Aug.2016	0.1
Education and communication services <sup>12</sup> .....	6.369	0.0	-0.002	0.07	L-Aug.2016	0.1
Tuition, other school fees, and childcare.....	3.033	0.5	0.014	0.08	L-Jun.2015	0.5
College tuition and fees.....	1.801	0.4	0.008	0.12	L-Jun.2016	0.5
Elementary and high school tuition and fees.....	0.314	0.8	0.002	0.07	L-Sep.2008	0.8
Child care and nursery school <sup>13</sup> .....	0.745	0.5	0.004	0.11	L-Aug.2016	0.5
Technical and business school tuition and fees <sup>5</sup> .....	0.042	0.0	0.000	0.10	S-May 2016	-0.1
Postage and delivery services <sup>5</sup> .....	0.136	0.0	0.000	0.02	—	—
Postage <sup>4</sup> .....	0.129	0.0	0.000	0.00	—	—
Delivery services <sup>5</sup> .....	0.007	-0.1	0.000	0.18	L-Aug.2016	0.3
Telephone services <sup>4, 5</sup> .....	2.475	-0.4	-0.010	0.10	L-Aug.2016	0.1
Wireless telephone services <sup>4, 5</sup> .....	1.754	-0.5	-0.010	0.12	L-Aug.2016	-0.1
Land-line telephone services <sup>4, 12</sup> .....	0.721	0.0	0.000	0.13	L-Aug.2016	0.6
Internet services and electronic information providers <sup>5</sup> .....	0.715	-1.0	-0.007	0.26	S-EVER	—
Other personal services <sup>4, 12</sup> .....	1.623	0.0	0.000	0.08	S-Dec.2015	-0.1
Personal care services <sup>4</sup> .....	0.606	0.1	0.000	0.11	—	—
Haircuts and other personal care services <sup>4, 5</sup> .....	0.606	0.1	0.000	0.11	—	—
Miscellaneous personal services.....	1.016	-0.1	-0.001	0.10	S-Aug.2016	-0.1
Legal services <sup>4, 9</sup> .....	0.245	0.0	0.000	0.15	S-Aug.2016	0.0
Funeral expenses <sup>4, 9</sup> .....	0.144	0.1	0.000	0.12	S-Aug.2016	0.1
Laundry and dry cleaning services <sup>4, 5</sup> .....	0.267	-0.2	-0.001	0.11	S-Jul.2015	-0.2
Apparel services other than laundry and dry cleaning <sup>4, 5</sup> .....	0.026	0.5	0.000	0.17	L-Sep.2015	1.2
Financial services <sup>4, 9</sup> .....	0.235	-0.2	-0.001	0.28	S-Aug.2016	-0.2
Checking account and other bank services <sup>4, 5, 6</sup> .....		0.1		0.02	—	—
Tax return preparation and other accounting fees <sup>4, 5, 6</sup> .....		-0.2		0.39	S-Aug.2016	-0.3

See footnotes at end of table.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	One Month				
		Seasonally adjusted percent change Sep. 2016-Oct. 2016	Seasonally adjusted effect on All Items Sep. 2016-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) seasonally adjusted change since: <sup>3</sup>	
					Date	Percent change
<b>Special aggregate indexes</b>						
All items less food.....	86.269	0.4	0.362	0.04	L-Apr.2016	0.4
All items less shelter.....	66.597	0.4	0.238	0.04	L-Apr.2016	0.5
All items less food and shelter.....	52.865	0.5	0.242	0.05	L-Apr.2016	0.5
All items less food, shelter, and energy.....	45.734	0.0	-0.001	0.05	L-Aug.2016	0.2
All items less food, shelter, energy, and used cars and trucks.....	43.675	0.0	0.001	0.05	L-Aug.2016	0.2
All items less medical care.....	91.466	0.4	0.356	0.04	L-Apr.2016	0.4
All items less energy.....	92.868	0.1	0.113	0.03	—	—
Commodities.....	36.480	0.6	0.234	0.06	L-Apr.2016	0.6
Commodities less food, energy, and used cars and trucks.....	17.295	0.1	0.016	0.10	L-Aug.2016	0.2
Commodities less food.....	22.748	1.1	0.239	0.07	L-Feb.2013	1.7
Commodities less food and beverages.....	21.800	1.1	0.235	0.08	L-Feb.2013	1.7
Services.....	63.520	0.2	0.124	0.05	—	—
Services less rent of shelter <sup>16</sup> .....	30.459	0.1	0.025	0.07	L-Aug.2016	0.4
Services less medical care services.....	56.851	0.2	0.139	0.05	—	—
Durables.....	9.346	0.0	0.001	0.08	L-Feb.2016	0.0
Nondurables.....	27.133	0.9	0.253	0.07	L-Feb.2013	1.4
Nondurables less food.....	13.402	1.7	0.234	0.11	—	—
Nondurables less food and beverages.....	12.453	1.9	0.231	0.11	—	—
Nondurables less food, beverages, and apparel.....	9.276	2.2	0.206	0.08	S-Aug.2016	0.7
Nondurables less food and apparel.....	10.225	2.1	0.212	0.07	S-Aug.2016	0.7
Housing.....	42.520	0.4	0.151	0.06	—	—
Education and communication <sup>5</sup> .....	6.989	-0.1	-0.006	0.07	L-Aug.2016	0.0
Education <sup>5</sup> .....	3.197	0.5	0.014	0.08	L-Jun.2016	0.5
Communication <sup>5</sup> .....	3.793	-0.5	-0.021	0.10	L-Aug.2016	0.1
Information and information processing <sup>5</sup> .....	3.657	-0.6	-0.021	0.10	L-Aug.2016	0.1
Information technology, hardware and services <sup>18</sup> .....	1.181	-0.9	-0.011	0.23	S-Aug.2012	-0.9
Recreation <sup>5</sup> .....	5.682	-0.1	-0.008	0.12	—	—
Video and audio <sup>5</sup> .....	1.837	0.1	0.001	0.14	L-Jun.2016	0.4
Pets, pet products and services <sup>5</sup> .....	0.958	-0.1	-0.001	0.20	S-Jul.2016	-0.1
Photography <sup>5</sup> .....	0.089	0.8	0.001	0.54	L-Jul.2016	1.3
Food and beverages.....	14.680	0.0	-0.001	0.07	—	—
Domestically produced farm food.....	6.648	-0.1	-0.005	0.13	—	—
Other services.....	11.865	0.0	-0.004	0.07	L-Aug.2016	0.0
Apparel less footwear.....	2.475	0.1	0.003	0.48	L-Jul.2016	0.1
Fuels and utilities.....	5.074	0.5	0.026	0.21	S-Jun.2016	-0.2
Household energy.....	3.911	0.7	0.025	0.27	S-Aug.2016	0.7
Medical care.....	8.534	0.0	0.001	0.08	S-Jun.2015	-0.1
Transportation.....	15.252	1.4	0.211	0.06	L-Apr.2016	1.6
Private transportation.....	14.163	1.6	0.229	0.07	L-Apr.2016	1.8
New and used motor vehicles <sup>5</sup> .....	6.460	0.1	0.005	0.10	L-Feb.2016	0.2
Utilities and public transportation.....	9.976	0.0	0.005	0.13	—	—
Household furnishings and operations.....	4.043	0.1	0.005	0.13	L-Jul.2016	0.1
Other goods and services.....	3.166	0.0	-0.001	0.09	S-Dec.2015	0.0
Personal care.....	2.510	-0.1	-0.003	0.11	S-Jul.2015	-0.1

<sup>1</sup> The 'effect' of an item category is a measure of that item's contribution to the All items price change. For example, if the Food index had an effect of 0.40, and the All items index rose 1.2 percent, then the increase in food prices contributed 0.40 / 1.2, or 33.3 percent, to that All items increase. Said another way, had food prices been unchanged for that month the change in the All items index would have been 1.2 percent minus 0.40, or 0.8 percent. Effects can be negative as well. For example, if the effect of food was a negative 0.1, and the All items index rose 0.5 percent, the All items index actually would have been 0.1 percent higher (or 0.6 percent) had food prices been unchanged. Since food prices fell while prices overall were rising, the contribution of food to the All items price change was negative (in this case, -0.1 / 0.5, or minus 20 percent).

<sup>2</sup> A statistic's margin of error is often expressed as its point estimate plus or minus two standard errors. For example, if a CPI category rose 0.6

percent, and its standard error was 0.15 percent, the margin of error on this item's 1-month percent change would be 0.6 percent, plus or minus 0.3 percent.

<sup>3</sup> If the current seasonally adjusted 1-month percent change is greater than the previous published 1-month percent change, then this column identifies the closest prior month with a 1-month percent change as (L)arge as or (L)arger than the current 1-month change. If the current 1-month percent change is smaller than the previous published 1-month percent change, the most recent month with a change as (S)maller or (S)maller than the current month change is identified. If the current and previous published 1-month percent changes are equal, a dash will appear. Standard numerical comparisons are used. For example, 0.8% is greater than 0.6%, -0.4% is less than -0.2%, and -0.2% is less than 0.0%. Note that a (L)arger change can be a smaller decline, for example, a -0.2% change is larger than a -0.4% change, but still represents a decline in the price index. Likewise, (S)maller changes can be increases, for example, a 0.6% change is smaller than 0.8%, but still represents an increase in the price index. In this context, a -0.2% change is considered to be smaller than a 0.0% change.

<sup>4</sup> Not seasonally adjusted.

<sup>5</sup> Indexes on a December 1997=100 base.

<sup>6</sup> Special indexes based on a substantially smaller sample. These series do not contribute to the all items index aggregation and therefore do not have a relative importance or effect.

<sup>7</sup> Indexes on a December 2007=100 base.

<sup>8</sup> Indexes on a December 2005=100 base.

<sup>9</sup> Indexes on a December 1986=100 base.

<sup>10</sup> Indexes on a December 1993=100 base.

<sup>11</sup> This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.

<sup>12</sup> Indexes on a December 2009=100 base.

<sup>13</sup> Indexes on a December 1990=100 base.

<sup>14</sup> Indexes on a December 1983=100 base.

<sup>15</sup> Indexes on a December 2001=100 base.

<sup>16</sup> Indexes on a December 1982=100 base.

<sup>17</sup> Indexes on a December 1996=100 base.

<sup>18</sup> Indexes on a December 1988=100 base.

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

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015- Oct. 2016	Unadjusted effect on All Items Oct. 2015- Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
All items.....	100.000	1.6		0.08	L-Oct.2014	1.7
Food.....	13.731	-0.4	-0.056	0.13	S-Jan.2010	-0.4
Food at home.....	7.955	-2.3	-0.192	0.18	S-Dec.2009	-2.4
Cereals and bakery products.....	1.071	-1.2	-0.013	0.40	S-Jul.2010	-1.3
Cereals and cereal products.....	0.360	-2.1	-0.008	0.67	S-Nov.2010	-2.6
Flour and prepared flour mixes.....	0.044	-2.0	-0.001	0.84	S-Jun.2016	-3.1
Breakfast cereal.....	0.185	-2.4	-0.005	1.05	S-Nov.2010	-2.6
Rice, pasta, cornmeal.....	0.131	-1.8	-0.002	1.01	S-Jun.2016	-2.0
Rice <sup>4, 5</sup> .....		-2.1		1.28	L-Aug.2016	-2.0
Bakery products.....	0.711	-0.7	-0.006	0.49	S-Jul.2016	-0.8
Bread <sup>4</sup> .....	0.211	-0.4	-0.001	0.84	L-Aug.2016	0.2
White bread <sup>5</sup> .....		-0.7		1.17	L-Aug.2016	0.0
Bread other than white <sup>5</sup> .....		-0.1		1.26	L-Aug.2016	1.0
Fresh biscuits, rolls, muffins <sup>4</sup> .....	0.105	-1.6	-0.002	1.13	S-Jun.2014	-1.6
Cakes, cupcakes, and cookies.....	0.173	-0.1	0.000	1.20	S-Aug.2016	-0.3
Cookies <sup>5</sup> .....		-0.2		1.51	L-Jun.2016	0.1
Fresh cakes and cupcakes <sup>5</sup> .....		-0.2		1.71	S-Apr.2013	-0.8
Other bakery products.....	0.222	-1.1	-0.003	1.03	L-Aug.2016	-0.5
Fresh sweetrolls, coffeecakes, doughnuts <sup>5</sup> .....		-2.4		1.50	S-Jan.2000	-3.1
Crackers, bread, and cracker products <sup>5</sup> .....		-1.0		1.50	L-Aug.2016	0.0
Frozen and refrigerated bakery products, pies, tarts, turnovers <sup>5</sup> .....		0.1		1.38	L-Mar.2016	0.2
Meats, poultry, fish, and eggs.....	1.776	-6.4	-0.125	0.38	S-Aug.2016	-6.5
Meats, poultry, and fish.....	1.675	-3.8	-0.069	0.40	S-Mar.2016	-3.8
Meats.....	1.063	-5.5	-0.064	0.51	S-Oct.2009	-5.7
Beef and veal.....	0.476	-7.5	-0.041	0.70	S-Jul.2016	-7.7
Uncooked ground beef.....	0.193	-9.3	-0.020	0.99	S-Jul.2016	-10.2
Uncooked beef roasts <sup>4</sup> .....	0.063	-8.4	-0.006	1.52	S-EVER	-
Uncooked beef steaks <sup>4</sup> .....	0.172	-6.1	-0.012	1.31	S-Jul.2016	-6.3
Uncooked other beef and veal <sup>4</sup> .....	0.047	-3.3	-0.002	1.35	L-Jun.2016	-3.1
Pork.....	0.333	-5.3	-0.019	0.81	S-Mar.2016	-5.6
Bacon, breakfast sausage, and related products <sup>4</sup> .....	0.140	-4.1	-0.006	1.18	S-Feb.2016	-4.7
Bacon and related products <sup>5</sup> .....		-4.6		1.27	S-Sep.2015	-6.1
Breakfast sausage and related products <sup>4, 5</sup> .....		-2.7		1.72	S-Jul.2016	-2.9
Ham.....	0.062	-5.6	-0.004	1.93	S-May 2016	-7.7
Ham, excluding canned <sup>5</sup> .....		-6.3		1.91	S-May 2016	-8.4
Pork chops.....	0.054	-4.6	-0.003	1.66	S-Feb.2016	-6.8
Other pork including roasts and picnics <sup>4</sup> .....	0.078	-7.1	-0.006	1.74	S-Mar.2016	-8.9
Other meats.....	0.254	-1.8	-0.005	0.88	L-Jun.2016	-0.8
Frankfurters <sup>5</sup> .....		-4.4		2.45	L-Aug.2016	-3.6
Lunchmeats <sup>4, 5</sup> .....		-1.1		1.08	S-Aug.2016	-1.3
Lamb and organ meats <sup>5</sup> .....		0.7		2.53	S-Aug.2016	-1.6
Lamb and mutton <sup>4, 5</sup> .....		-2.7		4.22	S-Aug.2016	-3.0
Poultry.....	0.345	-2.0	-0.007	0.83	S-Aug.2016	-2.9
Chicken <sup>4</sup> .....	0.279	-2.1	-0.006	0.94	S-Aug.2016	-3.2
Fresh whole chicken <sup>5</sup> .....		1.5		1.98	S-Aug.2016	-3.4
Fresh and frozen chicken parts <sup>5</sup> .....		-3.3		1.18	S-Jul.2016	-3.8
Other poultry including turkey <sup>4</sup> .....	0.066	-1.4	-0.001	1.61	S-Jul.2016	-2.2
Fish and seafood.....	0.267	0.8	0.002	0.84	L-Apr.2015	1.9
Fresh fish and seafood <sup>4</sup> .....	0.146	3.7	0.005	1.49	L-Jul.2016	4.0
Processed fish and seafood <sup>4</sup> .....	0.121	-2.5	-0.003	0.95	S-Aug.2016	-3.4
Shelf stable fish and seafood <sup>5</sup> .....		-1.9		1.25	S-Jul.2016	-2.3

See footnotes at end of table.

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015- Oct. 2016	Unadjusted effect on All Items Oct. 2015- Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
Frozen fish and seafood <sup>5</sup> .....		-3.1		1.70	L-Aug.2015	-2.3
Eggs.....	0.101	-35.5	-0.055	1.09	L-Jul.2016	-29.0
Dairy and related products.....	0.813	-1.7	-0.014	0.42	L-Jul.2015	-1.6
Milk <sup>4</sup> .....	0.232	-1.8	-0.004	0.64	L-Jan.2015	1.1
Fresh whole milk <sup>5</sup> .....		-1.8		1.04	L-Jan.2015	2.1
Fresh milk other than whole <sup>4, 5</sup> .....		-2.1		0.89	L-Jan.2015	0.7
Cheese and related products.....	0.261	-1.8	-0.005	0.81	L-Apr.2016	-1.3
Ice cream and related products.....	0.115	-1.3	-0.002	1.18	S-Feb.2016	-1.3
Other dairy and related products <sup>4</sup> .....	0.205	-1.7	-0.003	0.81	—	—
Fruits and vegetables.....	1.345	-0.8	-0.011	0.60	S-Jul.2015	-1.9
Fresh fruits and vegetables.....	1.050	-0.9	-0.010	0.73	S-Jul.2015	-2.9
Fresh fruits.....	0.573	0.6	0.004	1.01	S-Oct.2015	-1.4
Apples.....	0.088	1.9	0.002	2.01	S-Nov.2015	1.7
Bananas.....	0.088	-0.6	-0.001	0.98	S-Aug.2016	-2.4
Citrus fruits <sup>4</sup> .....	0.168	2.0	0.003	2.67	S-Aug.2016	1.1
Oranges, including tangerines <sup>5</sup> .....		-1.0		2.41	S-Aug.2016	-2.0
Other fresh fruits <sup>4</sup> .....	0.229	0.1	0.000	1.57	L-Aug.2016	1.2
Fresh vegetables.....	0.477	-2.7	-0.014	0.92	S-Sep.2014	-3.8
Potatoes.....	0.082	0.5	0.000	1.93	S-Jan.2016	-0.6
Lettuce.....	0.061	-11.9	-0.008	2.31	S-Mar.2014	-16.9
Tomatoes.....	0.082	3.4	0.003	1.99	L-Mar.2016	4.5
Other fresh vegetables.....	0.252	-3.3	-0.009	1.33	S-Aug.2014	-5.4
Processed fruits and vegetables <sup>4</sup> .....	0.295	-0.1	0.000	0.64	L-Apr.2016	1.0
Canned fruits and vegetables <sup>4</sup> .....	0.155	0.6	0.001	1.05	L-Jan.2016	0.7
Canned fruits <sup>4, 5</sup> .....		-0.1		1.33	L-Jun.2016	0.3
Canned vegetables <sup>4, 5</sup> .....		0.9		1.44	L-Sep.2015	1.0
Frozen fruits and vegetables <sup>4</sup> .....	0.086	0.7	0.001	1.18	L-Jul.2016	1.2
Frozen vegetables <sup>5</sup> .....		0.6		1.47	L-Jul.2016	0.6
Other processed fruits and vegetables including dried <sup>4</sup> .....	0.054	-3.6	-0.002	1.17	S-EVER	—
Dried beans, peas, and lentils <sup>4, 5</sup> .....		-2.9		2.10	S-Aug.2016	-3.4
Nonalcoholic beverages and beverage materials.....	0.952	-1.3	-0.013	0.45	S-Apr.2014	-2.0
Juices and nonalcoholic drinks <sup>4</sup> .....	0.669	-1.1	-0.008	0.53	S-Apr.2014	-2.0
Carbonated drinks.....	0.268	0.7	0.002	0.84	L-Jul.2016	0.9
Frozen noncarbonated juices and drinks <sup>4</sup> .....	0.011	-1.0	0.000	1.20	S-Aug.2016	-1.5
Nonfrozen noncarbonated juices and drinks <sup>4</sup> .....	0.390	-2.3	-0.009	0.83	S-Nov.2010	-2.6
Beverage materials including coffee and tea <sup>4</sup> .....	0.283	-1.8	-0.005	0.78	S-Aug.2016	-2.2
Coffee.....	0.177	-3.0	-0.005	1.06	S-Aug.2016	-3.8
Roasted coffee <sup>5</sup> .....		-3.7		1.22	S-Aug.2016	-4.3
Instant and freeze dried coffee <sup>5</sup> .....		-0.2		1.65	L-May 2015	1.9
Other beverage materials including tea <sup>4</sup> .....	0.106	0.1	0.000	0.88	S-Jun.2016	-1.4
Other food at home.....	1.997	-0.8	-0.016	0.34	S-Oct.2013	-0.8
Sugar and sweets.....	0.292	-0.8	-0.003	0.76	L-Aug.2016	-0.6
Sugar and artificial sweeteners.....	0.050	-1.7	-0.001	1.02	S-Jul.2016	-2.4
Candy and chewing gum <sup>4</sup> .....	0.187	-1.2	-0.002	1.19	S-Jul.2014	-1.7
Other sweets <sup>4</sup> .....	0.054	1.5	0.001	0.96	L-Dec.2012	2.3
Fats and oils.....	0.235	-1.8	-0.004	0.66	S-Sep.2015	-1.9
Butter and margarine <sup>4</sup> .....	0.069	-3.5	-0.003	1.16	S-Aug.2012	-4.5
Butter <sup>5</sup> .....		-6.0		1.61	S-Oct.2012	-8.1
Margarine <sup>5</sup> .....		0.7		1.36	S-May 2016	-0.2
Salad dressing <sup>4</sup> .....	0.057	-1.8	-0.001	1.06	S-Jan.2015	-2.1
Other fats and oils including peanut butter <sup>4</sup> .....	0.109	-0.5	-0.001	1.06	L-Feb.2013	-0.2
Peanut butter <sup>4, 5</sup> .....		-1.8		1.50	L-May 2016	-0.6
Other foods.....	1.470	-0.6	-0.009	0.40	S-Oct.2010	-0.9

See footnotes at end of table.

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015-Oct. 2016	Unadjusted effect on All Items Oct. 2015-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
Soups.....	0.092	-0.6	-0.001	1.38	S-Aug.2015	-1.4
Frozen and freeze dried prepared foods.....	0.260	-1.5	-0.004	0.91	L-Aug.2016	-1.1
Snacks.....	0.332	0.4	0.001	1.07	L-Aug.2016	0.8
Spices, seasonings, condiments, sauces.....	0.288	-0.7	-0.002	0.90	S-Oct.2013	-1.0
Salt and other seasonings and spices <sup>4, 5</sup> .....		1.2		1.35	S-Dec.2013	0.7
Olives, pickles, relishes <sup>4, 5</sup> .....		-1.9		2.00	S-Aug.2014	-4.8
Sauces and gravies <sup>4, 5</sup> .....		-1.2		1.34	L-Aug.2016	-0.9
Other condiments <sup>5</sup> .....		0.6		1.74	L-Aug.2016	1.2
Baby food <sup>4</sup> .....	0.055	1.7	0.001	0.77	L-Jul.2016	2.0
Other miscellaneous foods <sup>4</sup> .....	0.442	-0.9	-0.004	0.70	S-Aug.2013	-1.1
Prepared salads <sup>6, 5</sup> .....		2.0		1.20	L-Jun.2016	3.4
Food away from home.....	5.777	2.4	0.136	0.17	—	—
Full service meals and snacks <sup>4</sup> .....	2.799	2.2	0.061	0.23	S-Jun.2014	2.2
Limited service meals and snacks <sup>4</sup> .....	2.453	2.6	0.063	0.29	—	—
Food at employee sites and schools <sup>4</sup> .....	0.198	2.3	0.005	0.64	S-Aug.2015	-1.7
Food at elementary and secondary schools <sup>7, 5</sup> .....		1.9		0.41	S-Aug.2015	-2.8
Food from vending machines and mobile vendors <sup>4</sup> .....	0.082	4.3	0.003	1.22	L-Jan.2012	4.3
Other food away from home <sup>4</sup> .....	0.245	1.2	0.003	0.44	L-May 2016	1.8
Energy.....	7.132	0.1	0.001	0.17	L-Aug.2014	0.4
Energy commodities.....	3.395	-0.9	-0.046	0.19	L-Jul.2014	1.2
Fuel oil and other fuels.....	0.174	-1.7	-0.003	0.81	L-Sep.2014	-1.1
Fuel oil.....	0.092	-2.1	-0.002	0.82	L-Aug.2014	-0.2
Propane, kerosene, and firewood <sup>6</sup> .....	0.081	-1.0	-0.001	1.48	S-Jun.2016	-2.1
Motor fuel.....	3.221	-0.9	-0.043	0.20	L-Jul.2014	1.0
Gasoline (all types).....	3.173	-0.9	-0.041	0.20	L-Jul.2014	0.8
Gasoline, unleaded regular <sup>5</sup> .....		-0.9		0.46	L-Jul.2014	0.8
Gasoline, unleaded midgrade <sup>9, 5</sup> .....		-2.1		0.52	L-Aug.2014	-1.8
Gasoline, unleaded premium <sup>5</sup> .....		-0.1		0.38	L-Jul.2014	1.1
Other motor fuels <sup>4</sup> .....	0.048	-2.9	-0.002	0.26	L-Aug.2014	-1.1
Energy services <sup>10</sup> .....	3.737	1.3	0.047	0.30	L-Jan.2015	1.9
Electricity <sup>10</sup> .....	2.949	0.4	0.010	0.38	L-May 2015	0.5
Utility (piped) gas service <sup>10</sup> .....	0.788	4.8	0.037	0.49	L-Dec.2014	5.8
All items less food and energy.....	79.137	2.1	1.691	0.10	S-Apr.2016	2.1
Commodities less food and energy commodities.....	19.353	-0.5	-0.103	0.24	L-Aug.2016	-0.5
Household furnishings and supplies <sup>11</sup> .....	3.196	-1.8	-0.058	0.30	L-Aug.2016	-1.7
Window and floor coverings and other linens <sup>4</sup> .....	0.261	0.4	0.001	1.12	L-Jan.2001	0.8
Floor coverings <sup>4</sup> .....	0.060	1.4	0.001	1.00	S-Jul.2016	0.6
Window coverings <sup>4</sup> .....	0.052	5.9	0.003	1.32	L-EVER	—
Other linens <sup>4</sup> .....	0.149	-1.8	-0.003	1.68	L-Feb.2016	-1.0
Furniture and bedding.....	0.752	-2.0	-0.016	0.70	L-Mar.2016	-1.2
Bedroom furniture.....	0.268	-1.7	-0.005	1.13	S-Aug.2015	-2.1
Living room, kitchen, and dining room furniture <sup>4</sup> .....	0.355	-0.3	-0.001	1.16	L-Oct.2015	-0.3
Other furniture <sup>4</sup> .....	0.124	-7.2	-0.010	1.75	L-Jul.2016	-7.0
Infants' furniture <sup>7, 5</sup> .....						
Appliances <sup>4</sup> .....	0.183	-3.9	-0.009	0.92	S-Nov.2015	-4.2
Major appliances <sup>4</sup> .....	0.056	-6.2	-0.006	1.24	L-Aug.2016	-6.0
Laundry equipment <sup>5</sup> .....		-10.0		1.34	S-Nov.2014	-10.2
Other appliances <sup>4</sup> .....	0.124	-2.7	-0.003	1.22	S-Apr.2016	-2.7
Other household equipment and furnishings <sup>4</sup> .....	0.462	-4.8	-0.023	0.97	S-Jun.2014	-4.8
Clocks, lamps, and decorator items.....	0.239	-6.7	-0.017	1.78	S-Jun.2014	-6.9
Indoor plants and flowers <sup>12</sup> .....	0.100	-2.5	-0.003	1.42	S-Jul.2016	-2.7
Dishes and flatware <sup>4</sup> .....	0.051	-6.1	-0.003	2.60	L-Aug.2016	-4.7
Nonelectric cookware and tableware <sup>4</sup> .....	0.071	-0.8	-0.001	1.20	L-Oct.2013	-0.8

See footnotes at end of table.



**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015- Oct. 2016	Unadjusted effect on All Items Oct. 2015- Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
Tools, hardware, outdoor equipment and supplies <sup>4</sup> . . .	0.674	-1.5	-0.011	0.69	S-May 2016	-1.9
Tools, hardware and supplies <sup>4</sup> . . . . .	0.179	-1.7	-0.003	1.14	S-Aug.2016	-1.7
Outdoor equipment and supplies <sup>4</sup> . . . . .	0.336	-1.4	-0.005	0.82	S-May 2016	-1.7
Housekeeping supplies . . . . .	0.864	-0.1	-0.001	0.45	S-Aug.2016	-0.2
Household cleaning products <sup>4</sup> . . . . .	0.342	0.7	0.002	0.73	L-Jul.2016	0.8
Household paper products <sup>4</sup> . . . . .	0.235	-0.4	-0.001	0.95	S-Jul.2016	-0.4
Miscellaneous household products <sup>4</sup> . . . . .	0.287	-0.7	-0.002	0.87	L-Feb.2016	-0.7
Apparel . . . . .	3.177	0.7	0.012	1.10	L-Feb.2016	0.9
Men's and boys' apparel . . . . .	0.791	0.2	0.000	1.58	L-Aug.2016	1.6
Men's apparel . . . . .	0.632	-0.5	-0.004	1.68	L-Aug.2016	1.1
Men's suits, sport coats, and outerwear . . . . .	0.105	2.6	0.002	4.45	L-Jun.2013	5.7
Men's furnishings . . . . .	0.202	1.2	0.002	1.95	S-Aug.2016	1.2
Men's shirts and sweaters <sup>4</sup> . . . . .	0.179	-0.9	-0.003	3.27	L-Aug.2016	4.4
Men's pants and shorts . . . . .	0.141	-3.1	-0.005	2.93	L-Aug.2016	-1.4
Boys' apparel . . . . .	0.159	3.0	0.004	3.15	S-Jun.2016	0.4
Women's and girls' apparel . . . . .	1.303	0.7	-0.002	2.28	L-Jun.2016	1.5
Women's apparel . . . . .	1.088	0.3	-0.008	2.36	L-Jul.2016	1.6
Women's outerwear . . . . .	0.073	-8.2	-0.012	6.49	S-Aug.2012	-14.1
Women's dresses . . . . .	0.159	0.3	0.001	11.82	L-May 2016	0.7
Women's suits and separates <sup>4</sup> . . . . .	0.496	0.8	-0.002	2.53	L-Jul.2016	0.9
Women's underwear, nightwear, sportswear and accessories <sup>4</sup> . . . . .	0.349	1.7	0.005	2.23	S-Aug.2016	0.1
Girls' apparel . . . . .	0.216	3.1	0.006	5.34	L-May 2014	5.2
Footwear . . . . .	0.703	1.2	0.008	1.58	L-Feb.2016	1.8
Men's footwear . . . . .	0.215	2.0	0.004	2.42	L-Mar.2016	3.4
Boys' and girls' footwear . . . . .	0.172	2.9	0.005	2.48	L-Jun.2015	4.4
Women's footwear . . . . .	0.316	-0.2	-0.001	2.86	L-May 2016	1.3
Infants' and toddlers' apparel . . . . .	0.152	-5.8	-0.008	2.06	L-Aug.2016	-5.6
Jewelry and watches <sup>8</sup> . . . . .	0.228	6.5	0.014	1.91	L-Aug.2016	7.8
Watches <sup>8</sup> . . . . .	0.082	5.6	0.005	2.38	S-Apr.2016	3.3
Jewelry <sup>8</sup> . . . . .	0.146	7.4	0.009	2.38	L-Aug.2016	9.3
Transportation commodities less motor fuel <sup>11</sup> . . . . .	6.195	-1.1	-0.067	0.23	L-Aug.2016	-1.1
New vehicles . . . . .	3.658	0.3	0.009	0.34	L-Mar.2016	0.4
New cars and trucks <sup>4, 5</sup> . . . . .		0.2		0.32	L-Mar.2016	0.4
New cars <sup>5</sup> . . . . .		-0.3		0.35	L-Mar.2016	-0.3
New trucks <sup>13, 5</sup> . . . . .		0.7		0.35	L-Mar.2016	1.1
Used cars and trucks . . . . .	2.058	-4.1	-0.075	0.12	—	—
Motor vehicle parts and equipment . . . . .	0.384	-0.1	0.000	0.42	L-Aug.2016	-0.1
Tires . . . . .	0.230	-0.4	-0.001	0.58	L-Apr.2016	0.1
Vehicle accessories other than tires <sup>4</sup> . . . . .	0.154	0.2	0.000	0.51	L-Aug.2016	0.6
Vehicle parts and equipment other than tires <sup>5</sup> . . . . .		0.7		0.66	L-Aug.2016	0.7
Motor oil, coolant, and fluids <sup>5</sup> . . . . .		1.2		0.81	L-May 2015	1.4
Medical care commodities . . . . .	1.865	5.0	0.091	0.64	S-Aug.2016	4.4
Medicinal drugs <sup>11</sup> . . . . .	1.806	5.2	0.091	0.66	S-Aug.2016	4.6
Prescription drugs . . . . .	1.444	7.0	0.096	0.82	—	—
Nonprescription drugs <sup>11</sup> . . . . .	0.362	-1.4	-0.005	0.81	S-Jul.2016	-1.6
Medical equipment and supplies <sup>11</sup> . . . . .	0.059	-0.8	-0.001	1.18	S-May 2016	-1.3
Recreation commodities <sup>11</sup> . . . . .	1.809	-4.0	-0.077	0.45	S-EVER	—
Video and audio products <sup>11</sup> . . . . .	0.221	-14.5	-0.038	0.71	S-EVER	—
Televisions . . . . .	0.107	-21.7	-0.029	1.27	L-Aug.2016	-20.6
Other video equipment <sup>4</sup> . . . . .	0.025	-3.5	-0.001	2.04	L-Aug.2016	-2.4
Audio equipment . . . . .	0.058	-9.1	-0.006	1.54	S-Oct.2005	-9.2
Audio discs, tapes and other media <sup>4</sup> . . . . .	0.022	-7.9	-0.002	1.31	S-Jan.2010	-8.7
Pets and pet products . . . . .	0.588	0.0	0.000	0.75	S-Jun.2016	-0.5

See footnotes at end of table.

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015- Oct. 2016	Unadjusted effect on All Items Oct. 2015- Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
Pet food <sup>4, 5</sup> .....		-0.2		0.73	S-Jun.2016	-0.2
Purchase of pets, pet supplies, accessories <sup>4, 5</sup> .....		0.3		1.57	L-Apr.2016	0.3
Sporting goods.....	0.434	-1.3	-0.006	0.98	L-Jun.2016	-1.1
Sports vehicles including bicycles.....	0.228	-0.1	0.001	1.25	L-Sep.2015	0.7
Sports equipment.....	0.197	-2.9	-0.006	1.25	S-Aug.2015	-2.9
Photographic equipment and supplies.....	0.039	2.3	0.000	2.13	L-Jan.1993	2.5
Film and photographic supplies <sup>4, 5</sup> .....		6.0		3.72	L-Feb.2015	7.5
Photographic equipment <sup>4, 5</sup> .....		1.7		2.32	L-EVER	-
Recreational reading materials.....	0.151	-1.1	-0.001	1.23	S-Jul.2016	-1.6
Newspapers and magazines <sup>4</sup> .....	0.088	-0.3	-0.001	1.55	S-Aug.2016	-0.6
Recreational books <sup>4</sup> .....	0.063	-2.2	-0.001	1.76	L-Aug.2016	0.8
Other recreational goods <sup>4</sup> .....	0.376	-8.0	-0.032	1.31	S-Feb.2003	-8.5
Toys.....	0.304	-9.6	-0.030	1.52	S-Apr.2003	-9.8
Toys, games, hobbies and playground equipment <sup>4, 5</sup> .....		-7.8		1.31	S-EVER	-
Sewing machines, fabric and supplies <sup>4</sup> .....	0.023	-4.2	-0.001	3.78	L-May 2016	-1.3
Music instruments and accessories <sup>4</sup> .....	0.034	1.6	0.000	1.24	S-Jul.2016	1.3
Education and communication commodities <sup>11</sup> .....	0.620	-4.6	-0.029	0.87	S-Mar.2016	-4.6
Educational books and supplies.....	0.164	5.6	0.009	1.22	S-Aug.2016	5.5
College textbooks <sup>14, 5</sup> .....		5.9		1.32	S-May 2016	4.5
Information technology commodities <sup>11</sup> .....	0.456	-8.3	-0.038	1.09	S-Feb.2016	-8.3
Personal computers and peripheral equipment <sup>6</sup> .....	0.276	-7.2	-0.021	1.27	L-Aug.2016	-6.8
Computer software and accessories <sup>4</sup> .....	0.088	-10.1	-0.009	1.91	S-Mar.2011	-10.6
Telephone hardware, calculators, and other consumer information items <sup>4</sup> .....	0.091	-10.2	-0.009	3.25	S-Jul.2016	-11.3
Alcoholic beverages.....	0.949	1.3	0.012	0.31	S-Aug.2016	1.1
Alcoholic beverages at home.....	0.584	0.6	0.004	0.46	S-Dec.2015	-0.1
Beer, ale, and other malt beverages at home.....	0.266	1.4	0.004	0.51	S-Dec.2015	1.1
Distilled spirits at home.....	0.073	1.0	0.001	0.63	L-Apr.2015	1.0
Whiskey at home <sup>5</sup> .....		2.0		1.12	L-Jan.2015	2.0
Distilled spirits, excluding whiskey, at home <sup>5</sup> .....		1.0		1.00	L-Jun.2015	1.0
Wine at home.....	0.244	-0.2	-0.001	0.86	S-May 2016	-0.3
Alcoholic beverages away from home.....	0.365	2.2	0.008	0.42	L-Jul.2015	2.3
Beer, ale, and other malt beverages away from home <sup>4, 5</sup> .....		2.0		0.55	L-Jul.2015	2.1
Wine away from home <sup>4, 5</sup> .....		2.2		0.80	L-Jul.2015	2.3
Distilled spirits away from home <sup>4, 5</sup> .....		2.7		0.61	L-Aug.2016	2.8
Other goods <sup>11</sup> .....	1.543	0.9	0.014	0.40	S-Jul.2016	0.8
Tobacco and smoking products.....	0.656	3.5	0.023	0.44	-	-
Cigarettes <sup>4</sup> .....	0.594	3.6	0.022	0.46	L-Jun.2016	3.6
Tobacco products other than cigarettes <sup>4</sup> .....	0.045	2.0	0.001	1.26	S-Aug.2016	1.7
Personal care products.....	0.703	-0.5	-0.003	0.79	S-Feb.2016	-0.6
Hair, dental, shaving, and miscellaneous personal care products <sup>4</sup> .....	0.374	-0.5	-0.002	1.10	S-Jun.2016	-0.7
Cosmetics, perfume, bath, nail preparations and implements.....	0.323	-0.4	-0.001	1.18	S-Jan.2016	-0.8
Miscellaneous personal goods <sup>4</sup> .....	0.184	-3.1	-0.006	1.06	S-Aug.2016	-5.1
Stationery, stationery supplies, gift wrap <sup>5</sup> .....		-0.9		1.13	S-Aug.2016	-2.6
Infants' equipment <sup>7, 5</sup> .....		-6.2		1.47	S-Mar.2016	-6.9
Services less energy services.....	59.784	3.0	1.793	0.11	S-Apr.2016	3.0
Shelter.....	33.403	3.5	1.158	0.16	L-Jun.2016	3.5
Rent of shelter <sup>15</sup> .....	33.061	3.6	1.156	0.16	L-Jul.2007	3.7
Rent of primary residence <sup>10</sup> .....	7.777	3.8	0.288	0.17	L-Aug.2016	3.8
Lodging away from home <sup>4</sup> .....	0.935	4.4	0.039	2.00	L-Jun.2016	6.8

See footnotes at end of table.

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015- Oct. 2016	Unadjusted effect on All Items Oct. 2015- Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
Housing at school, excluding board <sup>10, 15</sup> .....	0.121	2.7	0.003	0.26	S-Aug.2015	2.6
Other lodging away from home including hotels and motels.....	0.814	3.9	0.036	2.41	L-Jun.2016	6.0
Owners' equivalent rent of residences <sup>10, 15</sup> .....	24.349	3.4	0.829	0.16	—	—
Owners' equivalent rent of primary residence <sup>10, 15</sup> .....	23.233	3.4	0.791	0.16	—	—
Tenants' and household insurance <sup>4</sup> .....	0.342	0.6	0.002	0.95	S-Mar.2008	0.3
Water and sewer and trash collection services <sup>4</sup> .....	1.163	3.3	0.038	0.47	L-Jul.2016	3.5
Water and sewerage maintenance <sup>10</sup> .....	0.880	3.9	0.034	0.55	L-Jul.2016	4.1
Garbage and trash collection <sup>13</sup> .....	0.283	1.3	0.004	0.61	S-Jul.2015	1.1
Household operations <sup>4</sup> .....	0.847	2.7	0.023	0.38	L-Jul.2016	2.9
Domestic services <sup>4</sup> .....	0.281	1.3	0.004	0.42	L-Aug.2015	1.3
Gardening and lawncare services <sup>4</sup> .....	0.277	2.0	0.005	0.58	L-Mar.2016	2.1
Moving, storage, freight expense <sup>4</sup> .....	0.119	7.6	0.009	1.30	S-Nov.2015	7.1
Repair of household items <sup>4</sup> .....	0.087	3.4	0.003	0.70	L-Nov.2015	3.5
Medical care services.....	6.669	4.1	0.262	0.24	S-Jul.2016	4.1
Professional services.....	3.150	3.2	0.098	0.30	—	—
Physicians' services <sup>10</sup> .....	1.700	4.0	0.066	0.46	S-Jul.2016	3.4
Dental services <sup>10</sup> .....	0.815	2.9	0.024	0.54	—	—
Eyeglasses and eye care <sup>8</sup> .....	0.322	1.1	0.004	0.74	S-Feb.2016	0.9
Services by other medical professionals <sup>10, 8</sup> .....	0.313	1.4	0.004	0.56	—	—
Hospital and related services.....	2.504	4.1	0.100	0.41	S-Jun.2016	4.1
Hospital services <sup>10, 16</sup> .....	2.234	4.1	0.091	0.46	S-May 2016	3.2
Inpatient hospital services <sup>10, 16, 5</sup> .....		4.5		0.91	S-May 2016	4.2
Outpatient hospital services <sup>10, 8, 5</sup> .....		3.0		0.63	S-Jul.2016	2.9
Nursing homes and adult day services <sup>10, 16</sup> .....	0.193	3.7	0.007	0.44	—	—
Care of invalids and elderly at home <sup>7</sup> .....	0.077	2.4	0.002	0.74	L-Apr.2016	2.8
Health insurance <sup>7</sup> .....	1.016	6.9	0.065	0.25	S-May 2016	6.3
Transportation services.....	5.836	2.6	0.151	0.31	S-Feb.2016	2.6
Leased cars and trucks <sup>14</sup> .....	0.544	0.2	-0.003	1.26	S-Apr.2016	0.2
Car and truck rental <sup>4</sup> .....	0.106	4.0	0.006	2.42	L-Jun.2016	7.8
Motor vehicle maintenance and repair.....	1.154	1.4	0.016	0.33	S-Nov.2015	1.4
Motor vehicle body work.....	0.056	2.4	0.001	0.68	—	—
Motor vehicle maintenance and servicing.....	0.668	1.1	0.007	0.44	S-Jan.2016	1.1
Motor vehicle repair <sup>4</sup> .....	0.388	1.7	0.008	0.53	—	—
Motor vehicle insurance.....	2.418	6.7	0.157	0.59	L-Oct.2003	7.2
Motor vehicle fees <sup>4</sup> .....	0.525	1.1	0.006	0.45	S-Jun.2015	0.5
State motor vehicle registration and license fees <sup>10, 4</sup> .....	0.282	1.3	0.004	0.66	—	—
Parking and other fees <sup>4</sup> .....	0.232	0.9	0.002	0.47	S-Sep.2014	0.7
Parking fees and tolls <sup>4, 5</sup> .....		2.4		0.63	S-Mar.2016	2.4
Automobile service clubs <sup>4, 5</sup> .....		-10.8		0.75	S-EVER	—
Public transportation.....	1.089	-2.7	-0.031	0.75	S-Sep.2015	-2.9
Airline fare.....	0.629	-5.2	-0.036	0.98	S-Oct.2015	-5.2
Other intercity transportation.....	0.178	1.1	0.002	1.86	S-Jul.2015	0.3
Intercity bus fare <sup>6, 5</sup> .....						
Intercity train fare <sup>6, 5</sup> .....		4.0		1.59	S-Aug.2016	2.4
Ship fare <sup>4, 5</sup> .....		4.0		2.34	S-Aug.2015	3.5
Intracity transportation.....	0.280	1.2	0.003	0.22	S-Dec.2014	1.1
Intracity mass transit <sup>11, 5</sup> .....		1.3		0.59	S-Mar.2015	1.3
Recreation services <sup>11</sup> .....	3.873	2.8	0.107	0.52	S-Feb.2016	2.7
Video and audio services <sup>11</sup> .....	1.617	3.2	0.051	0.39	S-Apr.2016	3.2
Cable and satellite television and radio service <sup>13</sup> .....	1.512	3.6	0.053	0.40	S-Apr.2016	3.3

See footnotes at end of table.

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015-Oct. 2016	Unadjusted effect on All Items Oct. 2015-Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
Video discs and other media, including rental of video and audio <sup>4</sup> .....	0.105	-1.1	-0.001	1.79	S-Jul.2015	-1.6
Video discs and other media <sup>4, 5</sup> .....		-5.8		2.46	L-Aug.2016	-3.3
Rental of video or audio discs and other media <sup>4, 5</sup> .....		4.2		0.99	L-Jul.2015	4.5
Pet services including veterinary <sup>4</sup> .....	0.370	3.2	0.012	0.44	—	—
Pet services <sup>4, 5</sup> .....		1.6		1.08	L-Aug.2016	1.6
Veterinarian services <sup>4, 5</sup> .....		3.3		0.58	S-Aug.2016	3.2
Photographers and film processing <sup>4</sup> .....	0.049	0.6	0.000	1.18	S-Sep.2015	0.6
Photographer fees <sup>4, 5</sup> .....		-1.0		0.77	S-Sep.2015	-1.9
Film processing <sup>4, 5</sup> .....		0.0		1.23	S-Mar.2008	-0.3
Other recreation services <sup>4</sup> .....	1.837	2.4	0.043	1.03	S-Aug.2016	1.8
Club dues and fees for participant sports and group exercises <sup>4</sup> .....	0.645	1.9	0.012	1.34	L-May 2016	2.4
Admissions.....	0.646	3.1	0.020	1.31	S-May 2016	2.4
Admission to movies, theaters, and concerts <sup>4, 5</sup> .....		3.4		0.98	S-Jul.2016	3.4
Admission to sporting events <sup>4, 5</sup> .....		4.4		1.47	S-Aug.2016	3.9
Fees for lessons or instructions <sup>8</sup> .....	0.221	1.4	0.003	0.60	L-Aug.2016	1.6
Education and communication services <sup>11</sup> .....	6.369	0.2	0.011	0.19	S-EVER	—
Tuition, other school fees, and childcare.....	3.033	2.5	0.075	0.31	L-Aug.2016	2.5
College tuition and fees.....	1.801	2.2	0.040	0.45	—	—
Elementary and high school tuition and fees.....	0.314	3.5	0.011	0.42	L-May 2016	3.6
Child care and nursery school <sup>12</sup> .....	0.745	2.7	0.020	0.52	L-Aug.2016	2.7
Technical and business school tuition and fees <sup>4</sup> .....	0.042	1.8	0.001	0.48	S-Aug.2016	1.8
Postage and delivery services <sup>4</sup> .....	0.136	0.4	0.001	0.35	L-Mar.2016	2.0
Postage.....	0.129	0.4	0.001	0.38	—	—
Delivery services <sup>4</sup> .....	0.007	-1.0	0.000	0.53	L-Dec.2015	0.8
Telephone services <sup>4</sup> .....	2.475	-2.4	-0.062	0.30	S-Jul.2015	-2.7
Wireless telephone services <sup>4</sup> .....	1.754	-3.2	-0.060	0.39	S-Sep.2015	-3.8
Land-line telephone services <sup>11</sup> .....	0.721	-0.2	-0.002	0.42	S-EVER	—
Internet services and electronic information providers <sup>4</sup> .....	0.715	-0.4	-0.003	0.75	S-Jun.2016	-0.7
Other personal services <sup>11</sup> .....	1.623	2.7	0.043	0.29	S-Jun.2016	2.6
Personal care services.....	0.606	1.7	0.010	0.43	—	—
Haircuts and other personal care services <sup>4</sup> .....	0.606	1.7	0.010	0.43	—	—
Miscellaneous personal services.....	1.016	3.3	0.033	0.40	S-Jun.2016	3.2
Legal services <sup>8</sup> .....	0.245	4.1	0.010	0.66	—	—
Funeral expenses <sup>8</sup> .....	0.144	1.1	0.001	0.63	S-EVER	—
Laundry and dry cleaning services <sup>4</sup> .....	0.267	2.4	0.006	0.42	S-Sep.2015	2.4
Apparel services other than laundry and dry cleaning <sup>4</sup> .....	0.026	1.4	0.000	0.68	L-Aug.2016	2.0
Financial services <sup>8</sup> .....	0.235	5.2	0.012	1.01	S-Aug.2016	4.4
Checking account and other bank services <sup>4, 5</sup> .....		4.7		0.60	L-Jan.2014	4.7
Tax return preparation and other accounting fees <sup>4, 5</sup> .....		5.1		1.40	S-Aug.2016	4.9
<b>Special aggregate indexes</b>						
All items less food.....	86.269	2.0	1.692	0.09	L-Jun.2014	2.0
All items less shelter.....	66.597	0.7	0.478	0.10	L-Oct.2014	1.0
All items less food and shelter.....	52.865	1.0	0.534	0.12	L-Jul.2014	1.3
All items less food, shelter, and energy.....	45.734	1.2	0.533	0.13	S-Nov.2015	1.2
All items less food, shelter, energy, and used cars and trucks.....	43.675	1.4	0.607	0.14	S-Dec.2015	1.3
All items less medical care.....	91.466	1.4	1.283	0.08	L-Oct.2014	1.6

See footnotes at end of table.

**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2016, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2016	Twelve Month				
		Unadjusted percent change Oct. 2015- Oct. 2016	Unadjusted effect on All Items Oct. 2015- Oct. 2016 <sup>1</sup>	Standard error, median price change <sup>2</sup>	Largest (L) or Smallest (S) unadjusted change since: <sup>3</sup>	
					Date	Percent change
All items less energy.....	92.868	1.8	1.634	0.08	—	—
Commodities.....	36.480	-0.6	-0.205	0.13	L-Jan.2016	-0.5
Commodities less food, energy, and used cars and trucks.....	17.295	-0.2	-0.028	0.27	L-Aug.2016	-0.2
Commodities less food.....	22.748	-0.7	-0.148	0.19	L-Jul.2014	-0.1
Commodities less food and beverages.....	21.800	-0.8	-0.160	0.20	L-Jul.2014	-0.1
Services.....	63.520	2.9	1.840	0.10	S-Jul.2016	2.9
Services less rent of shelter <sup>15</sup> .....	30.459	2.3	0.685	0.12	S-Jun.2016	2.2
Services less medical care services.....	56.851	2.8	1.578	0.11	—	—
Durables.....	9.346	-2.2	-0.205	0.19	L-Aug.2016	-2.0
Nondurables.....	27.133	0.1	0.000	0.16	L-Oct.2014	0.8
Nondurables less food.....	13.402	0.6	0.057	0.26	L-Jul.2014	0.8
Nondurables less food and beverages.....	12.453	0.5	0.045	0.28	L-Jul.2014	0.8
Nondurables less food, beverages, and apparel.....	9.276	0.5	0.033	0.17	L-Jul.2014	1.0
Nondurables less food and apparel.....	10.225	0.5	0.045	0.15	L-Jul.2014	0.9
Housing.....	42.520	2.9	1.205	0.13	L-Oct.2008	3.2
Education and communication <sup>4</sup> .....	6.989	-0.3	-0.019	0.20	S-EVER	—
Education <sup>4</sup> .....	3.197	2.6	0.084	0.30	L-Aug.2016	2.7
Communication <sup>4</sup> .....	3.793	-2.6	-0.103	0.25	S-Aug.2015	-2.9
Information and information processing <sup>4</sup> .....	3.657	-2.7	-0.103	0.26	S-Aug.2015	-3.0
Information technology, hardware and services <sup>17</sup> .....	1.181	-3.5	-0.042	0.66	S-May 2016	-3.5
Recreation <sup>4</sup> .....	5.682	0.5	0.030	0.35	S-Jul.2015	0.4
Video and audio <sup>4</sup> .....	1.837	0.7	0.013	0.36	S-Feb.2016	0.7
Pets, pet products and services <sup>4</sup> .....	0.958	1.2	0.012	0.48	S-Jun.2016	1.0
Photography <sup>4</sup> .....	0.089	1.2	0.001	1.30	—	—
Food and beverages.....	14.680	-0.3	-0.044	0.12	S-Dec.2009	-0.4
Domestically produced farm food.....	6.648	-2.6	-0.181	0.20	S-Dec.2009	-2.7
Other services.....	11.865	1.4	0.161	0.20	S-Jul.2015	1.3
Apparel less footwear.....	2.475	0.6	0.004	1.32	L-Jul.2016	0.8
Fuels and utilities.....	5.074	1.7	0.082	0.23	L-Dec.2014	3.0
Household energy.....	3.911	1.2	0.044	0.29	L-Dec.2014	2.5
Medical care.....	8.534	4.3	0.353	0.24	S-Jul.2016	3.9
Transportation.....	15.252	0.2	0.042	0.16	L-Jul.2014	0.9
Private transportation.....	14.163	0.4	0.073	0.16	L-Jul.2014	0.9
New and used motor vehicles <sup>4</sup> .....	6.460	-1.0	-0.063	0.25	L-Aug.2016	-1.0
Utilities and public transportation.....	9.976	0.5	0.045	0.17	S-Jul.2016	0.5
Household furnishings and operations.....	4.043	-0.8	-0.035	0.25	L-Mar.2016	-0.3
Other goods and services.....	3.166	1.8	0.057	0.25	S-Jan.2016	1.6
Personal care.....	2.510	1.4	0.034	0.31	S-Feb.2016	1.4

<sup>1</sup> The 'effect' of an item category is a measure of that item's contribution to the All items price change. For example, if the Food index had an effect of 0.40, and the All items index rose 1.2 percent, then the increase in food prices contributed 0.40 / 1.2, or 33.3 percent, to that All items increase. Said another way, had food prices been unchanged for that year the change in the All items index would have been 1.2 percent minus 0.40, or 0.8 percent. Effects can be negative as well. For example, if the effect of food was a negative 0.1, and the All items index rose 0.5 percent, the All items index actually would have been 0.1 percent higher (or 0.6 percent) had food prices been unchanged. Since food prices fell while prices overall were rising, the contribution of food to the All items price change was negative (in this case, -0.1 / 0.5, or minus 20 percent).

<sup>2</sup> A statistic's margin of error is often expressed as its point estimate plus or minus two standard errors. For example, if a CPI category rose 2.6 percent, and its standard error was 0.25 percent, the margin of error on this item's 12-month percent change would be 2.6 percent, plus or minus 0.5 percent.

<sup>3</sup> If the current 12-month percent change is greater than the previous published 12-month percent change, then this column identifies the closest prior month with a 12-month percent change as (L)arge as or (L)arger than the current 12-month change. If the current 12-month percent change is smaller than the previous published 12-month percent change, the most recent month with a change as (S)mall or (S)maller than the current month change is identified. If the current and previous published 12-month percent changes are equal, a dash will appear. Standard numerical comparison is used. For example, 2.0% is greater than 0.6%, -4.4% is less than -2.0%, and -2.0% is less than 0.0%. Note that a (L)arger change can be a smaller decline, for example, a -0.2% change is larger than a -0.4% change, but still represents a decline in the price index. Likewise, (S)maller changes can be increases, for example, a 0.6% change is smaller than 0.8%, but still represents an increase in the price index. In this context, a -0.2% change is considered to be smaller than a 0.0% change.

<sup>4</sup> Indexes on a December 1997=100 base.

<sup>5</sup> Special indexes based on a substantially smaller sample. These series do not contribute to the all items index aggregation and therefore do not have a relative importance or effect.

<sup>6</sup> Indexes on a December 2007=100 base.

<sup>7</sup> Indexes on a December 2005=100 base.

<sup>8</sup> Indexes on a December 1986=100 base.

<sup>9</sup> Indexes on a December 1993=100 base.

<sup>10</sup> This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.

<sup>11</sup> Indexes on a December 2009=100 base.

<sup>12</sup> Indexes on a December 1990=100 base.

<sup>13</sup> Indexes on a December 1983=100 base.

<sup>14</sup> Indexes on a December 2001=100 base.

<sup>15</sup> Indexes on a December 1982=100 base.

<sup>16</sup> Indexes on a December 1996=100 base.

<sup>17</sup> Indexes on a December 1988=100 base.

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