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Technical information: (202) 691-7000 • [cpi\\_info@bls.gov](mailto:cpi_info@bls.gov) • [www.bls.gov/cpi](http://www.bls.gov/cpi)  
 Media Contact: (202) 691-5902 • [PressOffice@bls.gov](mailto:PressOffice@bls.gov)

**CONSUMER PRICE INDEX – OCTOBER 2018**

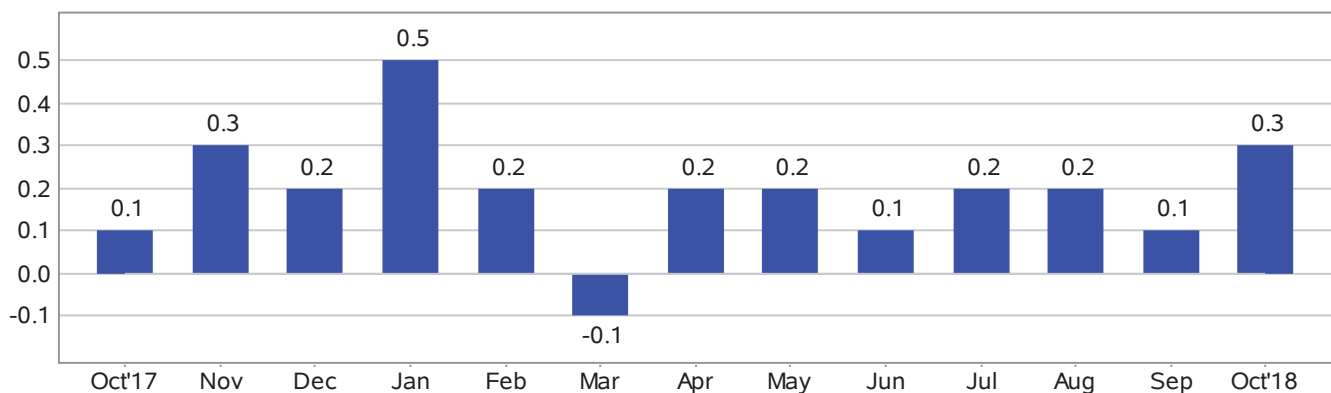
The Consumer Price Index for All Urban Consumers (CPI-U) increased 0.3 percent in October on a seasonally adjusted basis after rising 0.1 percent in September, the U.S. Bureau of Labor Statistics reported today. Over the last 12 months, the all items index rose 2.5 percent before seasonal adjustment.

An increase in the gasoline index was responsible for over one-third of the seasonally adjusted increase in the all items index; advances in the indexes for shelter, used cars and trucks, and electricity also contributed. The increases in the gasoline and electricity indexes led to a 2.4-percent rise in the energy index. The food index, in contrast, declined slightly in October.

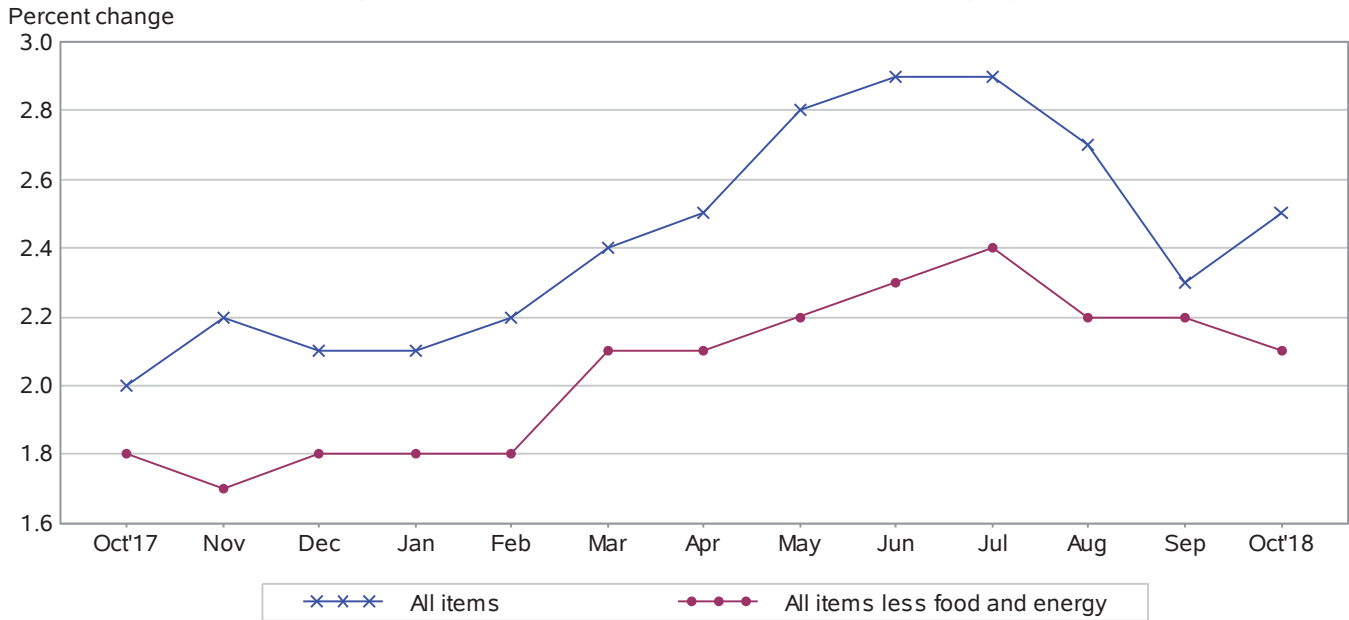
The index for all items less food and energy rose 0.2 percent in October following a 0.1-percent increase in September. Along with the indexes for shelter and for used cars and trucks, the indexes for medical care, household furnishings and operations, motor vehicle insurance, and tobacco all increased in October. The indexes for communication, new vehicles, and recreation all declined.

The all items index rose 2.5 percent for the 12 months ending October, a larger increase than the 2.3-percent increase for the 12 months ending September. The index for all items less food and energy rose 2.1 percent for the 12 months ending October. The energy index increased 8.9 percent, while the food index increased more modestly, advancing 1.2 percent over the last 12 months.

**Chart 1. One-month percent change in CPI for All Urban Consumers (CPI-U), seasonally adjusted, Oct. 2017 - Oct. 2018**  
 Percent change



**Chart 2. 12-month percent change in CPI for All Urban Consumers (CPI-U), not seasonally adjusted, Oct. 2017 - Oct. 2018**



**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. 2018
	Apr. 2018	May 2018	June 2018	July 2018	Aug. 2018	Sep. 2018	Oct. 2018	
All items .....	.2	.2	.1	.2	.2	.1	.3	2.5
Food .....	.3	.0	.2	.1	.1	.0	-.1	1.2
Food at home .....	.3	-.2	.2	.2	.0	-.1	-.2	.1
Food away from home <sup>1</sup> .....	.2	.3	.2	.1	.2	.2	.1	2.5
Energy .....	1.4	.9	-.3	-.5	1.9	-.5	2.4	8.9
Energy commodities .....	3.0	1.6	.6	-.6	3.0	-.2	2.9	16.3
Gasoline (all types) .....	3.0	1.7	.5	-.6	3.0	-.2	3.0	16.1
Fuel oil .....	2.7	-.7	2.9	1.2	2.2	.3	3.7	26.2
Energy services .....	-.5	-.1	-1.5	-.4	.4	-.8	1.7	.1
Electricity .....	-.6	.1	-1.4	-.4	.3	-.5	2.3	.7
Utility (piped) gas service .....	-.4	-.6	-1.7	-.5	.9	-1.7	-.6	-2.1
All items less food and energy .....	.1	.2	.2	.2	.1	.1	.2	2.1
Commodities less food and energy								
commodities .....	-.1	-.1	.0	.1	-.3	-.3	.3	-.1
New vehicles .....	-.5	.3	.4	.3	.0	-.1	-.2	.5
Used cars and trucks .....	-1.6	-.9	.7	1.3	.4	-3.0	2.6	.4
Apparel .....	.3	.0	-.9	-.3	-1.6	.9	.1	-.4
Medical care commodities .....	-.2	1.3	.2	-1.1	-.3	-.1	-.1	.7
Services less energy services .....	.2	.3	.2	.3	.2	.2	.2	2.9
Shelter .....	.3	.3	.1	.3	.3	.2	.2	3.2
Transportation services .....	-.4	.0	.2	.5	.3	.5	.1	3.8
Medical care services .....	.2	-.1	.5	.1	-.2	.2	.2	1.9

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

## **Food**

The food index declined 0.1 percent in October as the index for food at home fell 0.2 percent and the index for food away from home rose 0.1 percent. Three of the six major grocery store food group indexes declined in October. The fruits and vegetables index fell 0.7 percent in October, its third consecutive decline. The index for fresh fruits fell 1.8 percent, while the fresh vegetables index increased 0.3 percent. The index for cereals and bakery products fell 0.6 percent, and the index for dairy and related products declined 0.4 percent.

The index for nonalcoholic beverages was the only major grocery store food group to increase in October, rising 0.2 percent. The index for meats, poultry, fish, and eggs was unchanged in October with its component indexes mixed, and the index for other food at home was also unchanged in October.

The food at home index increased slightly over the past year, rising 0.1 percent. The indexes for nonalcoholic beverages, cereals and bakery products, and other food at home all increased over the last 12 months; the remaining major grocery store food group indexes all declined over the span. The index for food away from home rose 2.5 percent over the last year.

## **Energy**

The energy index rose 2.4 percent in October after falling in September. The gasoline index increased 3.0 percent in October following a 0.2-percent decline in September. (Before seasonal adjustment, gasoline prices increased 0.6 percent in October.) The index for electricity rose 2.3 percent in October. In contrast, the index for natural gas declined, falling 0.6 percent.

The energy index increased 8.9 percent over the last 12 months. The gasoline index rose 16.1 percent over the span, while the fuel oil index increased 26.2 percent. The electricity index increased modestly, rising 0.7 percent over the last year. The index for natural gas, in contrast, declined 2.1 percent over the last 12 months.

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

The index for all items less food and energy increased 0.2 percent in October. The shelter index rose 0.2 percent in October, the same increase as in September. The rent index rose 0.2 percent and the index for owners' equivalent rent advanced 0.3 percent. The index for lodging away from home declined in October, falling 2.1 percent.

The index for used cars and trucks rose 2.6 percent in October following a 3.0-percent decline in September. The index for medical care increased 0.2 percent in October, although the indexes for physicians' services and hospital services were both unchanged. The index for household furnishings and operations increased in October, rising 0.3 percent. The index for motor vehicle insurance continued to rise in October, increasing 0.5 percent. The tobacco index rose 1.3 percent, while the index for apparel increased slightly, rising 0.1 percent.

The index for communication declined 0.4 percent in October. The new vehicles index also declined, falling 0.2 percent in October after decreasing 0.1 percent in September. The index for recreation also fell, decreasing 0.1 percent, as did the index for personal care.

The index for all items less food and energy rose 2.1 percent over the past 12 months. The shelter index increased 3.2 percent over the last year, and the medical care index rose 1.7 percent. Among transportation indexes, the new vehicles index rose 0.5 percent over the last 12 months, while the index for used cars and trucks increased 0.4 percent. The motor vehicle insurance index rose 6.7 percent, while the index for airline fares declined over the past year, falling 0.5 percent.

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

The Consumer Price Index for All Urban Consumers (CPI-U) increased 2.5 percent over the last 12 months to an index level of 252.885 (1982-84=100). For the month, the index increased 0.2 percent prior to seasonal adjustment.

The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) increased 2.7 percent over the last 12 months to an index level of 247.038 (1982-84=100). For the month, the index increased 0.2 percent prior to seasonal adjustment.

The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) increased 2.3 percent over the last 12 months. For the month, the index rose 0.2 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 2018 is scheduled to be released on Wednesday, December 12, 2018, at 8:30 a.m. (EST).**

## **Technical Note**

### **Brief Explanation of the CPI**

The Consumer Price Index (CPI) measures the change in prices paid by consumers for goods and services. The CPI reflects spending patterns for each of two population groups: all urban consumers and urban wage earners and clerical workers. The all urban consumer group represents about 93 percent of the total U.S. population. It is based on the expenditures of almost all residents of urban or metropolitan areas, including professionals, the self-employed, the poor, the unemployed, and retired people, as well as urban wage earners and clerical workers. Not included in the CPI are the spending patterns of people living in rural nonmetropolitan areas, farming families, people in the Armed Forces, and those in institutions, such as prisons and mental hospitals. Consumer inflation for all urban consumers is measured by two indexes, namely, the Consumer Price Index for All Urban Consumers (CPI-U) and the Chained Consumer Price Index for All Urban Consumers (C-CPI-U).

The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is based on the expenditures of households included in the CPI-U definition that meet two requirements: more than one-half of the household's income must come from clerical or wage occupations, and at least one of the household's earners must have been employed for at least 37 weeks during the previous 12 months. The CPI-W population represents about 29 percent of the total U.S. population and is a subset of the CPI-U population.

The CPIs are based on prices of food, clothing, shelter, fuels, transportation, doctors' and dentists' services, drugs, and other goods and services that people buy for day-to-day living. Prices are collected each month in 75 urban areas across the country from about 5,000 housing units and approximately 22,000 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 75 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 by the Bureau's trained representatives.

In calculating the index, price changes for the various items in each location are aggregated using 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 23 selected 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. The CPI-U and CPI-W are considered final when released, but the C-CPI-U is issued in preliminary form and subject to three subsequent quarterly revisions.

The index measures price change from a designed reference date. For most of 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 7 percent from the reference base, for example, is shown as 107.000. Alternatively, that relationship can also be expressed as the price of a base period market basket of goods and services rising from \$100 to \$107.

### **Sampling Error in the CPI**

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 0.03 percent for the U.S. all items CPI. 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 percent of these estimates will be within 0.06 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-U, we are 95 percent confident that the actual percent change based on all retail prices would fall between 0.14 and 0.26 percent. For the latest data, including information on how to use the estimates of standard error, see <https://www.bls.gov/cpi/tables/variance-estimates/home.htm>.

**Calculating Index Changes**

Movements of the indexes from 1 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 following table shows an example of using index values to calculate percent changes:

	<b>Item A</b>	<b>Item B</b>	<b>Item C</b>
<b>Year I</b>	112.500	225.000	110.000
<b>Year II</b>	121.500	243.000	128.000
<b>Change in index points</b>	9.000	18.000	18.000
<b>Percent change</b>	$9.0/112.500 \times 100 = 8.0$	$18.0/225.000 \times 100 = 8.0$	$18.0/110.000 \times 100 = 16.4$

**Use of Seasonally Adjusted and Unadjusted Data**

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 5 years of seasonally adjusted data. For more information on data revision scheduling, please see the Factsheet on Seasonal Adjustment at [www.bls.gov/cpi/seasonal-adjustment/questions-and-answers.htm](http://www.bls.gov/cpi/seasonal-adjustment/questions-and-answers.htm) and the Timeline of Seasonal Adjustment Methodological Changes at [www.bls.gov/cpi/seasonal-adjustment/timeline-seasonal-adjustment-methodology-changes.htm](http://www.bls.gov/cpi/seasonal-adjustment/timeline-seasonal-adjustment-methodology-changes.htm).

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 weather events, 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.

For example, this procedure was used for the motor fuel series to offset the effects of the 2009 return to normal pricing after the worldwide economic downturn in 2008. Retaining this outlier data during seasonal factor calculation would distort the computation of the seasonal portion of the time series data for motor fuel, so it was estimated and removed from the data prior to seasonal adjustment. Following that, seasonal factors were calculated based on this “prior adjusted” data. These seasonal factors represent a clearer picture of the seasonal pattern in the data. The last step is for motor fuel seasonal factors to be applied to the unadjusted data.

For the seasonal factors introduced in January 2018, BLS adjusted 38 series using intervention analysis seasonal adjustment, including selected food and beverage items, motor fuels, and natural gas.

#### *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 5 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 5 years of data. Seasonally adjusted indexes beyond the last 5 years of data are considered to be final and not subject to revision. In January 2018, revised seasonal factors and seasonally adjusted indexes for 2013 to 2017 were calculated and published. For series which are directly adjusted using the Census X-13ARIMA-SEATS seasonal adjustment software, the seasonal factors for 2017 will be applied to data for 2018 to produce the seasonally adjusted 2018 indexes. Series which are indirectly seasonally adjusted by summing seasonally adjusted component series have seasonal factors which are derived and are therefore not available in advance.

#### *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 5 years, but the seasonally adjusted indexes before that period will not be changed. Twenty-nine of the 81 components of the U.S. city average all items index are not seasonally adjusted for 2018.

#### **Contact Information**

For additional information about the CPI visit [www.bls.gov/cpi](http://www.bls.gov/cpi) or contact the CPI Information and Analysis Section at 202-691-7000 or [cpi\\_info@bls.gov](mailto:cpi_info@bls.gov).

For additional information on seasonal adjustment in the CPI visit <https://www.bls.gov/cpi/seasonal-adjustment/home.htm> or contact the CPI seasonal adjustment section at 202-691-6968 or [cpiseas@bls.gov](mailto:cpiseas@bls.gov).

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



**Table 1. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2018**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted indexes			Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017	Sep. 2018	Oct. 2018	Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
All items.....	100.000	246.663	252.439	252.885	2.5	0.2	0.2	0.1	0.3
Food.....	13.235	251.364	254.393	254.358	1.2	0.0	0.1	0.0	-0.1
Food at home.....	7.256	239.543	240.125	239.882	0.1	-0.1	0.0	-0.1	-0.2
Cereals and bakery products.....	0.955	270.858	273.729	272.260	0.5	-0.5	0.0	0.6	-0.6
Meats, poultry, fish, and eggs.....	1.600	248.413	248.876	247.966	-0.2	-0.4	0.1	-1.0	0.0
Dairy and related products.....	0.726	217.170	216.638	216.800	-0.2	0.1	0.1	-0.3	-0.4
Fruits and vegetables.....	1.280	299.700	298.432	298.531	-0.4	0.0	-0.3	-0.5	-0.7
Nonalcoholic beverages and beverage materials.....	0.865	167.990	168.428	169.570	0.9	0.7	0.2	0.6	0.2
Other food at home.....	1.831	209.528	210.590	210.224	0.3	-0.2	0.0	0.2	0.0
Food away from home <sup>1</sup> .....	5.979	270.658	277.258	277.513	2.5	0.1	0.2	0.2	0.1
Energy.....	8.031	207.290	226.165	225.757	8.9	-0.2	1.9	-0.5	2.4
Energy commodities.....	4.630	223.219	257.575	259.561	16.3	0.8	3.0	-0.2	2.9
Fuel oil.....	0.119	250.640	302.419	316.185	26.2	4.6	2.2	0.3	3.7
Motor fuel.....	4.437	219.640	253.432	255.126	16.2	0.7	3.0	-0.2	3.0
Gasoline (all types).....	4.344	218.591	252.216	253.793	16.1	0.6	3.0	-0.2	3.0
Energy services.....	3.401	201.661	204.819	201.798	0.1	-1.5	0.4	-0.8	1.7
Electricity.....	2.655	210.424	215.536	211.937	0.7	-1.7	0.3	-0.5	2.3
Utility (piped) gas service.....	0.747	172.373	170.100	168.770	-2.1	-0.8	0.9	-1.7	-0.6
All items less food and energy.....	78.734	253.638	258.429	259.063	2.1	0.2	0.1	0.1	0.2
Commodities less food and energy.....	19.519	144.273	143.641	144.134	-0.1	0.3	-0.3	-0.3	0.3
Apparel.....	3.114	129.570	127.440	129.108	-0.4	1.3	-1.6	0.9	0.1
New vehicles.....	3.695	144.868	145.715	145.588	0.5	-0.1	0.0	-0.1	-0.2
Used cars and trucks.....	2.329	135.867	135.130	136.450	0.4	1.0	0.4	-3.0	2.6
Medical care commodities.....	1.710	377.038	380.535	379.662	0.7	-0.2	-0.3	-0.1	-0.1
Alcoholic beverages.....	0.963	246.621	249.921	250.757	1.7	0.3	0.0	0.5	0.1
Tobacco and smoking products.....	0.647	1,047.932	1,065.017	1,081.193	3.2	1.5	0.1	0.3	1.3
Services less energy services.....	59.215	321.253	329.761	330.465	2.9	0.2	0.2	0.2	0.2
Shelter.....	32.893	300.846	309.702	310.382	3.2	0.2	0.3	0.2	0.2
Rent of primary residence.....	7.825	311.501	321.533	322.628	3.6	0.3	0.4	0.2	0.2
Owners' equivalent rent of residences <sup>2</sup> .....	23.723	308.190	317.149	318.215	3.3	0.3	0.3	0.2	0.3
Medical care services.....	6.883	509.256	518.108	519.152	1.9	0.2	-0.2	0.2	0.2
Physicians' services.....	1.728	379.072	380.928	380.489	0.4	-0.1	-0.1	0.3	0.0
Hospital services <sup>3</sup> .....	2.312	322.368	332.595	332.853	3.3	0.1	-0.1	-0.3	0.0
Transportation services.....	5.945	312.290	322.241	324.131	3.8	0.6	0.3	0.5	0.1
Motor vehicle maintenance and repair <sup>1</sup> .....	1.117	283.257	288.457	289.057	2.0	0.2	0.3	0.5	0.2
Motor vehicle insurance.....	2.382	537.222	567.838	573.050	6.7	0.9	0.0	0.8	0.5
Airline fares.....	0.683	267.297	258.196	265.930	-0.5	3.0	2.4	1.0	0.0

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

<sup>2</sup> Indexes on a December 1982=100 base.

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



**Table 2. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by detailed expenditure category, October 2018**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
All items.....	100.000	2.5	0.2	0.2	0.1	0.3
Food.....	13.235	1.2	0.0	0.1	0.0	-0.1
Food at home.....	7.256	0.1	-0.1	0.0	-0.1	-0.2
Cereals and bakery products.....	0.955	0.5	-0.5	0.0	0.6	-0.6
Cereals and cereal products.....	0.310	-1.2	-2.0	0.6	0.7	-2.1
Flour and prepared flour mixes.....	0.041	-1.7	-4.3	-0.3	1.2	-2.7
Breakfast cereal <sup>1</sup> .....	0.150	-1.7	-0.7	0.7	0.3	-0.7
Rice, pasta, cornmeal <sup>1</sup> .....	0.120	-0.5	-2.8	0.3	-0.6	-2.8
Rice <sup>1, 2, 3</sup> .....		-0.5	-2.1	1.8	-0.6	-2.1
Bakery products <sup>1</sup> .....	0.645	1.3	0.2	-0.1	0.2	0.2
Bread <sup>1, 2</sup> .....	0.189	1.5	0.4	0.4	-0.6	0.4
White bread <sup>1, 3</sup> .....		1.6	1.0	0.3	-0.7	1.0
Bread other than white <sup>1, 3</sup> .....		1.5	0.0	0.2	-0.6	0.0
Fresh biscuits, rolls, muffins <sup>2</sup> .....	0.092	1.7	-0.4	0.2	0.9	-1.0
Cakes, cupcakes, and cookies.....	0.161	2.2	0.7	-1.0	0.6	0.4
Cookies <sup>3</sup> .....		1.2	0.6	-1.7	1.5	0.0
Fresh cakes and cupcakes <sup>1, 3</sup> .....		2.7	0.7	-0.8	0.3	0.7
Other bakery products.....	0.203	0.3	-0.2	-0.6	0.9	-0.2
Fresh sweetrolls, coffeecakes, doughnuts <sup>1, 3</sup> .....		2.9	1.2	-1.1	0.3	1.2
Crackers, bread, and cracker products <sup>3</sup> .....		-1.1	-0.6	-0.3	0.0	-0.5
Frozen and refrigerated bakery products, pies, tarts, turnovers <sup>3</sup> .....		0.7	0.0	-0.9	1.9	0.1
Meats, poultry, fish, and eggs.....	1.600	-0.2	-0.4	0.1	-1.0	0.0
Meats, poultry, and fish.....	1.507	-0.4	-0.3	0.2	-0.8	0.0
Meats.....	0.945	-1.2	-0.7	0.2	-0.6	-0.6
Beef and veal.....	0.430	0.6	-1.2	0.3	-0.6	-0.7
Uncooked ground beef <sup>1</sup> .....	0.170	-1.9	-0.9	0.3	-1.1	-0.9
Uncooked beef roasts <sup>1, 2</sup> .....	0.062	1.5	-3.8	-0.4	-1.7	-3.8
Uncooked beef steaks <sup>2</sup> .....	0.161	2.0	-1.1	-0.6	-0.2	0.3
Uncooked other beef and veal <sup>1, 2</sup> .....	0.037	5.8	0.9	-0.3	-0.7	0.9
Pork.....	0.298	-3.5	-1.1	0.2	-0.6	-0.7
Bacon, breakfast sausage, and related products <sup>2</sup> .....	0.134	-5.2	-1.9	-0.9	-0.4	-1.1
Bacon and related products <sup>3</sup> .....		-7.6	-2.3	-0.2	-1.9	-1.3
Breakfast sausage and related products <sup>2, 3</sup> .....		-1.4	-0.9	-1.4	1.0	-0.6
Ham.....	0.055	-4.8	-1.5	-2.2	0.7	-1.8
Ham, excluding canned <sup>3</sup> .....		-4.3	-1.7	-2.7	1.0	-1.7
Pork chops <sup>1</sup> .....	0.044	2.9	0.2	2.8	-0.6	0.2
Other pork including roasts, steaks, and ribs <sup>2</sup> .....	0.065	-3.1	0.1	2.9	-3.4	0.4
Other meats.....	0.217	-1.7	0.9	-0.1	-0.5	-0.4
Frankfurters <sup>3</sup> .....		-2.9	4.0	0.8	-1.4	0.7
Lunchmeats <sup>2, 3</sup> .....		-1.7	0.5	-0.7	-0.9	0.0
Lamb and organ meats <sup>1, 3</sup> .....						
Lamb and mutton <sup>1, 2, 3</sup> .....						
Poultry <sup>1</sup> .....	0.312	-0.3	0.6	-1.0	-1.0	0.6
Chicken <sup>1, 2</sup> .....	0.256	0.7	1.0	-1.0	-1.0	1.0
Fresh whole chicken <sup>1, 3</sup> .....		0.8	0.3	-1.0	-0.9	0.3
Fresh and frozen chicken parts <sup>1, 3</sup> .....		0.9	1.5	-1.1	-1.1	1.5
Other uncooked poultry including turkey <sup>2</sup> .....	0.056	-4.9	-1.3	-0.5	-1.3	-1.3
Fish and seafood.....	0.250	2.8	0.1	1.7	-1.4	1.4
Fresh fish and seafood <sup>2</sup> .....	0.128	4.1	-0.1	1.9	-2.3	1.6
Processed fish and seafood <sup>2</sup> .....	0.122	1.5	0.4	1.4	0.2	1.4
Shelf stable fish and seafood <sup>1, 3</sup> .....		5.0	1.8	0.5	-1.0	1.8

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 2018 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
Frozen fish and seafood <sup>3</sup> .....		0.0	0.0	2.0	1.2	1.4
Eggs.....	0.093	2.8	-1.5	-1.2	-4.1	0.3
Dairy and related products.....	0.726	-0.2	0.1	0.1	-0.3	-0.4
Milk <sup>1, 2</sup> .....	0.198	-0.4	0.7	0.9	0.0	0.7
Fresh whole milk <sup>3</sup> .....		0.2	1.0	0.7	-1.3	0.8
Fresh milk other than whole <sup>2, 3</sup> .....		-0.3	1.0	1.0	-1.1	0.8
Cheese and related products.....	0.237	-1.0	-0.4	-0.6	0.1	-1.1
Ice cream and related products.....	0.104	1.5	0.5	0.3	0.1	0.0
Other dairy and related products <sup>1, 2</sup> .....	0.186	0.2	-0.3	0.3	-0.5	-0.3
Fruits and vegetables.....	1.280	-0.4	0.0	-0.3	-0.5	-0.7
Fresh fruits and vegetables.....	1.009	-0.5	0.3	-0.7	-0.6	-0.8
Fresh fruits.....	0.547	-1.5	-0.4	-1.4	-0.6	-1.8
Apples.....	0.076	-5.0	-3.6	0.4	0.6	2.8
Bananas <sup>1</sup> .....	0.080	3.1	-0.7	-1.0	0.4	-0.7
Citrus fruits <sup>2</sup> .....	0.169	0.1	-1.7	2.0	-2.5	-2.5
Oranges, including tangerines <sup>3</sup> .....		-6.9	-1.2	-1.5	-4.0	-2.8
Other fresh fruits <sup>2</sup> .....	0.222	-2.8	1.8	-4.6	-0.3	-3.2
Fresh vegetables.....	0.462	0.7	1.2	0.2	-0.6	0.3
Potatoes.....	0.077	0.9	-0.1	-0.5	-0.9	1.9
Lettuce.....	0.058	-0.5	3.2	1.4	-1.6	1.5
Tomatoes <sup>1</sup> .....	0.076	-0.7	-0.4	-1.0	0.4	-0.4
Other fresh vegetables.....	0.252	1.4	1.6	1.1	-0.2	0.5
Processed fruits and vegetables <sup>2</sup> .....	0.271	-0.1	-1.0	1.2	0.0	-0.4
Canned fruits and vegetables <sup>2</sup> .....	0.149	1.7	-1.7	1.4	0.7	-1.0
Canned fruits <sup>2, 3</sup> .....		0.6	-0.9	0.9	1.1	-0.5
Canned vegetables <sup>2, 3</sup> .....		2.4	-2.5	1.4	0.7	-1.8
Frozen fruits and vegetables <sup>2</sup> .....	0.078	-2.6	-0.1	0.1	-0.2	0.6
Frozen vegetables <sup>3</sup> .....		-3.5	-0.1	1.0	-0.6	0.7
Other processed fruits and vegetables including dried <sup>2</sup> .....	0.044	-1.4	-0.5	1.9	-1.8	-0.3
Dried beans, peas, and lentils <sup>1, 2, 3</sup> .....		-3.8	-0.7	0.7	-1.5	-0.7
Nonalcoholic beverages and beverage materials.....	0.865	0.9	0.7	0.2	0.6	0.2
Juices and nonalcoholic drinks <sup>2</sup> .....	0.613	1.8	0.9	0.2	1.0	0.3
Carbonated drinks.....	0.257	2.6	1.1	2.2	0.3	0.5
Frozen noncarbonated juices and drinks <sup>1, 2</sup> .....	0.008	0.2	1.1	-0.8	-1.4	1.1
Nonfrozen noncarbonated juices and drinks <sup>2</sup> .....	0.347	1.2	0.6	-0.8	1.3	0.4
Beverage materials including coffee and tea <sup>2</sup> .....	0.252	-1.2	0.2	-0.1	0.2	0.3
Coffee.....	0.162	-1.7	0.0	-0.2	0.3	0.2
Roasted coffee <sup>3</sup> .....		-1.9	-0.4	0.5	0.1	0.2
Instant coffee <sup>1, 3</sup> .....		-3.3	1.5	0.1	-1.6	1.5
Other beverage materials including tea <sup>1, 2</sup> .....	0.090	-0.2	0.7	-0.1	-0.4	0.7
Other food at home.....	1.831	0.3	-0.2	0.0	0.2	0.0
Sugar and sweets <sup>1</sup> .....	0.278	0.3	-0.7	-0.1	1.3	-0.7
Sugar and artificial sweeteners.....	0.043	-1.4	-2.1	-0.1	0.4	-1.0
Candy and chewing gum <sup>1, 2</sup> .....	0.182	1.6	0.1	0.2	1.3	0.1
Other sweets <sup>2</sup> .....	0.054	-2.6	-2.2	-0.9	1.6	-1.9
Fats and oils.....	0.215	-0.4	-0.2	-0.4	-0.1	-0.3
Butter and margarine <sup>2</sup> .....	0.061	-0.2	-0.8	-1.7	1.1	-0.7
Butter <sup>3</sup> .....		0.6	-0.8	-2.2	0.4	-0.5
Margarine <sup>3</sup> .....		-0.9	-0.8	-0.2	1.8	-0.9
Salad dressing <sup>2</sup> .....	0.052	0.5	0.5	1.3	-0.3	0.0
Other fats and oils including peanut butter <sup>2</sup> .....	0.101	-1.0	-0.3	-0.6	-0.4	-0.1
Peanut butter <sup>1, 2, 3</sup> .....		1.6	3.4	3.2	-2.0	3.4
Other foods.....	1.338	0.5	-0.1	0.1	0.1	0.3

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 2018 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
Soups.....	0.080	-1.6	-0.5	1.1	-1.4	1.4
Frozen and freeze dried prepared foods <sup>1</sup> .....	0.233	-0.5	-0.3	-0.3	0.0	-0.3
Snacks <sup>1</sup> .....	0.312	1.5	0.4	-0.3	0.7	0.4
Spices, seasonings, condiments, sauces.....	0.271	1.5	-0.5	0.0	0.3	0.6
Salt and other seasonings and spices <sup>2, 3</sup> .....		2.8	-0.5	-1.4	1.2	1.1
Olives, pickles, relishes <sup>1, 2, 3</sup> .....				1.0	-6.8	
Sauces and gravies <sup>2, 3</sup> .....		1.5	-0.5	0.2	1.0	0.1
Other condiments <sup>3</sup> .....		0.1	-3.8	-2.3	3.9	-2.3
Baby food <sup>1, 2</sup> .....	0.049	3.6	1.1	0.4	0.8	1.1
Other miscellaneous foods <sup>1, 2</sup> .....	0.392	-0.5	0.0	-0.6	-0.3	0.0
Prepared salads <sup>1, 3, 4</sup> .....		-0.6	0.8	1.6	-0.9	0.8
Food away from home <sup>1</sup> .....	5.979	2.5	0.1	0.2	0.2	0.1
Full service meals and snacks <sup>1, 2</sup> .....	2.969	2.3	0.2	0.1	0.1	0.2
Limited service meals and snacks <sup>1, 2</sup> .....	2.542	2.4	-0.1	0.3	0.3	-0.1
Food at employee sites and schools <sup>2</sup> .....	0.181	4.9	0.1	-1.2	-1.4	1.0
Food at elementary and secondary schools <sup>1, 3, 5</sup> .....		6.0	0.1		0.7	0.1
Food from vending machines and mobile vendors <sup>1, 2</sup> .....	0.091	4.0	0.3	0.2	1.1	0.3
Other food away from home <sup>1, 2</sup> .....	0.196	4.0	0.0	0.1	0.1	0.0
Energy.....	8.031	8.9	-0.2	1.9	-0.5	2.4
Energy commodities.....	4.630	16.3	0.8	3.0	-0.2	2.9
Fuel oil and other fuels.....	0.193	17.1	3.1	2.3	0.1	1.6
Fuel oil.....	0.119	26.2	4.6	2.2	0.3	3.7
Propane, kerosene, and firewood <sup>6</sup> .....	0.074	4.7	0.8	0.7	0.2	-0.8
Motor fuel.....	4.437	16.2	0.7	3.0	-0.2	3.0
Gasoline (all types).....	4.344	16.1	0.6	3.0	-0.2	3.0
Gasoline, unleaded regular <sup>3</sup> .....		16.2	0.6	3.8	-0.4	3.0
Gasoline, unleaded midgrade <sup>3, 7</sup> .....		15.6	0.5	2.4	0.1	2.8
Gasoline, unleaded premium <sup>3</sup> .....		15.2	1.0	2.9	0.2	3.3
Other motor fuels <sup>2</sup> .....	0.094	20.0	2.7	0.4	-1.4	3.2
Energy services.....	3.401	0.1	-1.5	0.4	-0.8	1.7
Electricity.....	2.655	0.7	-1.7	0.3	-0.5	2.3
Utility (piped) gas service.....	0.747	-2.1	-0.8	0.9	-1.7	-0.6
All items less food and energy.....	78.734	2.1	0.2	0.1	0.1	0.2
Commodities less food and energy commodities.....	19.519	-0.1	0.3	-0.3	-0.3	0.3
Household furnishings and supplies <sup>8</sup> .....	3.336	0.7	0.7	0.0	0.2	0.4
Window and floor coverings and other linens <sup>1, 2</sup> .....	0.258	0.7	2.2	-0.3	1.1	2.2
Floor coverings <sup>1, 2</sup> .....	0.055	2.9	0.1	1.1	0.2	0.1
Window coverings <sup>1, 2</sup> .....	0.045	-4.9	1.7	-2.4	-0.4	1.7
Other linens <sup>1, 2</sup> .....	0.158	1.6	3.1	-0.2	1.9	3.1
Furniture and bedding.....	0.883	1.3	0.3	0.3	0.8	0.1
Bedroom furniture <sup>1</sup> .....	0.323	1.1	0.9	-0.2	1.0	0.9
Living room, kitchen, and dining room furniture <sup>1, 2</sup> .....	0.426	1.8	-0.2	-0.3	1.0	-0.2
Other furniture <sup>2</sup> .....	0.123	-0.1	0.7	-0.1	1.3	0.5
Infants' furniture <sup>1, 3, 5</sup> .....		-6.0	-1.9	0.1	-1.9	-1.9
Appliances <sup>2</sup> .....	0.216	4.9	1.2	0.3	0.2	1.6
Major appliances <sup>2</sup> .....	0.080	8.1	0.6	-0.5	-0.6	0.5
Laundry equipment <sup>3</sup> .....		9.9	0.7	-0.2	-3.8	0.2
Other appliances <sup>2</sup> .....	0.133	3.2	1.6	0.8	1.0	2.0
Other household equipment and furnishings <sup>2</sup> .....	0.491	-2.6	1.7	-0.7	-0.9	1.8
Clocks, lamps, and decorator items <sup>1</sup> .....	0.266	-4.0	2.0	-1.4	-1.4	2.0
Indoor plants and flowers <sup>9</sup> .....	0.092	3.4	0.2	0.5	0.7	-0.1
Dishes and flatware <sup>1, 2</sup> .....	0.053	-8.1	1.9	-1.4	0.2	1.9
Nonelectric cookware and tableware <sup>2</sup> .....	0.080	-0.5	2.4	-1.1	0.4	2.4

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 2018 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
Tools, hardware, outdoor equipment and supplies <sup>2</sup> . . .	0.659	0.4	0.2	-0.2	0.0	0.1
Tools, hardware and supplies <sup>1, 2</sup> . . . . .	0.196	0.4	-0.4	-0.8	0.7	-0.4
Outdoor equipment and supplies <sup>2</sup> . . . . .	0.304	0.4	0.5	0.1	-0.3	0.3
Housekeeping supplies <sup>1</sup> . . . . .	0.829	1.3	0.2	0.1	-0.2	0.2
Household cleaning products <sup>2</sup> . . . . .	0.329	1.8	0.2	0.4	0.1	-0.2
Household paper products <sup>1, 2</sup> . . . . .	0.219	0.6	-0.1	0.5	-0.4	-0.1
Miscellaneous household products <sup>1, 2</sup> . . . . .	0.281	1.3	0.5	-0.2	-0.5	0.5
Apparel . . . . .	3.114	-0.4	1.3	-1.6	0.9	0.1
Men's and boys' apparel . . . . .	0.762	2.3	3.0	-2.1	2.2	1.7
Men's apparel . . . . .	0.593	0.5	2.5	-1.9	1.3	1.5
Men's suits, sport coats, and outerwear . . . . .	0.107	-4.0	3.9	-2.8	0.6	3.9
Men's furnishings . . . . .	0.156	1.7	0.7	0.2	0.0	0.9
Men's shirts and sweaters <sup>2</sup> . . . . .	0.172	2.7	3.6	-4.2	2.6	0.6
Men's pants and shorts . . . . .	0.150	-0.5	2.1	-0.7	2.9	2.3
Boys' apparel . . . . .	0.170	8.9	4.6	0.4	4.8	0.9
Women's and girls' apparel . . . . .	1.288	-2.2	0.8	-1.7	1.4	-1.3
Women's apparel . . . . .	1.103	-2.5	0.4	-1.9	1.6	-1.7
Women's outerwear . . . . .	0.080	-5.5	-2.8	-5.5	9.8	-6.4
Women's dresses . . . . .	0.144	2.1	-3.5	0.6	0.7	-4.3
Women's suits and separates <sup>2</sup> . . . . .	0.574	-2.5	1.3	-4.1	2.4	-0.5
Women's underwear, nightwear, sportswear and accessories <sup>2</sup> . . . . .	0.293	-5.1	1.3	1.6	-2.0	-0.1
Girls' apparel . . . . .	0.185	-0.5	3.2	-1.0	0.7	1.1
Footwear . . . . .	0.673	-0.7	0.4	-0.6	-1.4	-0.3
Men's footwear <sup>1</sup> . . . . .	0.217	0.9	-0.2	1.2	-0.3	-0.2
Boys' and girls' footwear . . . . .	0.161	-1.3	-0.5	0.1	-1.9	-2.2
Women's footwear . . . . .	0.295	-1.6	1.2	-2.4	-0.9	0.6
Infants' and toddlers' apparel . . . . .	0.140	4.0	1.0	-2.7	1.8	0.8
Jewelry and watches <sup>6</sup> . . . . .	0.251	-0.9	1.8	-2.0	0.4	2.5
Watches <sup>1, 6</sup> . . . . .	0.099	7.3	9.1	-0.8	2.3	9.1
Jewelry <sup>6</sup> . . . . .	0.152	-6.2	-3.0	-2.4	-1.8	-1.5
Transportation commodities less motor fuel <sup>8</sup> . . . . .	6.514	0.6	0.3	0.1	-1.2	0.8
New vehicles . . . . .	3.695	0.5	-0.1	0.0	-0.1	-0.2
New cars and trucks <sup>2, 3</sup> . . . . .		0.5	-0.1	0.0	-0.1	-0.2
New cars <sup>3</sup> . . . . .		1.2	-0.1	0.0	0.1	-0.2
New trucks <sup>3, 10</sup> . . . . .		-0.1	-0.1	0.1	-0.3	-0.1
Used cars and trucks . . . . .	2.329	0.4	1.0	0.4	-3.0	2.6
Motor vehicle parts and equipment <sup>1</sup> . . . . .	0.378	1.2	0.2	0.1	-0.1	0.2
Tires <sup>1</sup> . . . . .	0.222	0.0	0.5	0.0	0.0	0.5
Vehicle accessories other than tires <sup>1, 2</sup> . . . . .	0.155	3.1	-0.2	0.3	-0.3	-0.2
Vehicle parts and equipment other than tires <sup>1, 3</sup> . . . . .		3.0	0.1	0.0	-0.2	0.1
Motor oil, coolant, and fluids <sup>1, 3</sup> . . . . .		2.0	-4.2	1.2	0.5	-4.2
Medical care commodities . . . . .	1.710	0.7	-0.2	-0.3	-0.1	-0.1
Medicinal drugs <sup>1, 8</sup> . . . . .	1.653	0.7	-0.3	0.1	-0.5	-0.3
Prescription drugs . . . . .	1.316	0.8	-0.7	0.0	-0.2	-0.6
Nonprescription drugs <sup>1, 8</sup> . . . . .	0.336	0.2	1.5	-0.5	-0.8	1.5
Medical equipment and supplies <sup>1, 8</sup> . . . . .	0.057	1.7	0.5	-0.8	1.0	0.5
Recreation commodities <sup>8</sup> . . . . .	1.792	-3.5	-0.5	-0.5	-0.6	-0.5
Video and audio products <sup>8</sup> . . . . .	0.231	-13.1	-0.6	-1.1	-1.4	-0.6
Televisions . . . . .	0.105	-17.8	-1.6	-1.3	-1.9	-1.2
Other video equipment <sup>2</sup> . . . . .	0.027	-3.8	0.5	1.0	-0.6	-0.8
Audio equipment <sup>1</sup> . . . . .	0.043	-11.9	2.6	-2.3	1.0	2.6
Recorded music and music subscriptions <sup>1, 2</sup> . . . . .	0.048	-5.7	-2.0	-0.6	-2.9	-2.0
Pets and pet products <sup>1</sup> . . . . .	0.600	0.9	0.0	-0.1	0.3	0.0

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 2018 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
Pet food <sup>1, 2, 3</sup> .....		0.6	0.1	-0.3	0.3	0.1
Purchase of pets, pet supplies, accessories <sup>1, 2, 3</sup> .....		1.5	-0.3	0.3	0.3	-0.3
Sporting goods.....	0.488	-1.8	-1.3	-0.5	-0.9	-1.4
Sports vehicles including bicycles <sup>1</sup> .....	0.278	0.0	-1.7	-1.8	-1.2	-1.7
Sports equipment.....	0.203	-4.0	-0.8	0.6	-0.4	-0.8
Photographic equipment and supplies.....	0.033	-4.8	1.8	1.0	-0.5	1.9
Film and photographic supplies <sup>1, 2, 3</sup> .....						
Photographic equipment <sup>2, 3</sup> .....		-4.2	1.7	-0.1	-0.6	2.0
Recreational reading materials <sup>1</sup> .....	0.113	4.9	1.5	0.2	-1.6	1.5
Newspapers and magazines <sup>1, 2</sup> .....	0.069	8.6	2.5	0.3	-1.6	2.5
Recreational books <sup>1, 2</sup> .....	0.044	-0.4	0.1	0.0	-1.5	0.1
Other recreational goods <sup>2</sup> .....	0.327	-9.2	-0.8	-1.1	-0.8	-0.7
Toys.....	0.256	-10.9	-0.9	-1.4	-0.9	-0.8
Toys, games, hobbies and playground equipment <sup>1, 3</sup> .....		-11.3	-1.6	-1.8	-0.1	-2.0
Sewing machines, fabric and supplies <sup>1, 2</sup> .....	0.023	-2.1	-1.2	-1.8	-0.3	-1.2
Music instruments and accessories <sup>1, 2</sup> .....	0.036	-1.0	0.3	1.6	-0.2	0.3
Education and communication commodities <sup>8</sup> .....	0.546	-3.3	-1.2	0.1	0.2	-1.5
Educational books and supplies.....	0.131	0.7	-0.6	-2.1	-0.3	-0.8
College textbooks <sup>1, 3, 11</sup> .....		2.4	0.4	-1.2	0.3	0.4
Information technology commodities <sup>8</sup> .....	0.415	-4.5	-1.4	0.8	0.3	-1.7
Personal computers and peripheral equipment <sup>4</sup> .....	0.315	-4.0	-1.3	1.4	1.1	-1.6
Computer software and accessories <sup>1, 2</sup> .....	0.024	-3.7	0.2	0.1	-0.3	0.2
Telephone hardware, calculators, and other consumer information items <sup>1, 2</sup> .....	0.076	-6.6	-2.5	-1.6	-2.8	-2.5
Alcoholic beverages.....	0.963	1.7	0.3	0.0	0.5	0.1
Alcoholic beverages at home.....	0.598	1.2	0.5	-0.1	0.5	0.1
Beer, ale, and other malt beverages at home.....	0.265	1.6	0.9	0.0	0.5	0.3
Distilled spirits at home.....	0.080	-0.5	-0.2	0.3	-0.1	-0.7
Whiskey at home <sup>1, 3</sup> .....		-2.2	0.1	0.4	-2.2	0.1
Distilled spirits, excluding whiskey, at home <sup>1, 3</sup> .....		0.3	-0.2	0.5	0.4	-0.2
Wine at home.....	0.253	1.3	0.2	-0.4	0.8	0.0
Alcoholic beverages away from home <sup>1</sup> .....	0.365	2.5	0.1	0.1	0.5	0.1
Beer, ale, and other malt beverages away from home <sup>1, 2, 3</sup> .....		2.1	0.0	-0.1	0.5	0.0
Wine away from home <sup>1, 2, 3</sup> .....		3.3	0.2	0.8	0.3	0.2
Distilled spirits away from home <sup>1, 2, 3</sup> .....		2.1	0.1	-0.4	0.5	0.1
Other goods <sup>8</sup> .....	1.545	-0.3	-0.1	0.0	0.1	-0.3
Tobacco and smoking products.....	0.647	3.2	1.5	0.1	0.3	1.3
Cigarettes <sup>2</sup> .....	0.573	3.2	1.6	0.1	0.3	1.4
Tobacco products other than cigarettes <sup>1, 2</sup> .....	0.059	2.7	0.5	1.0	-0.4	0.5
Personal care products <sup>1</sup> .....	0.688	-0.4	-0.2	0.0	0.1	-0.2
Hair, dental, shaving, and miscellaneous personal care products <sup>1, 2</sup> .....	0.381	0.1	-0.2	0.5	0.3	-0.2
Cosmetics, perfume, bath, nail preparations and implements <sup>1</sup> .....	0.301	-1.1	-0.3	-0.5	-0.2	-0.3
Miscellaneous personal goods <sup>2</sup> .....	0.210	-10.2	-4.5	-0.7	-0.6	-5.6
Stationery, stationery supplies, gift wrap <sup>3</sup> .....		-6.5	-2.1	-1.8	-0.9	-3.5
Infants' equipment <sup>1, 3, 5</sup> .....		-9.4	-0.8	0.0	-2.2	-0.8
Services less energy services.....	59.215	2.9	0.2	0.2	0.2	0.2
Shelter.....	32.893	3.2	0.2	0.3	0.2	0.2
Rent of shelter <sup>12</sup> .....	32.519	3.2	0.2	0.3	0.2	0.2
Rent of primary residence.....	7.825	3.6	0.3	0.4	0.2	0.2
Lodging away from home <sup>2</sup> .....	0.971	-2.4	-3.4	0.6	-1.0	-2.1

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 2018 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
Housing at school, excluding board <sup>12</sup> .....	0.114	2.6	0.3	0.5	0.2	0.2
Other lodging away from home including hotels and motels.....	0.858	-3.3	-3.9	0.6	-1.2	-2.4
Owners' equivalent rent of residences <sup>12</sup> .....	23.723	3.3	0.3	0.3	0.2	0.3
Owners' equivalent rent of primary residence <sup>12</sup> ..	22.399	3.3	0.3	0.3	0.2	0.3
Tenants' and household insurance <sup>1, 2</sup> .....	0.374	1.8	-0.2	0.1	-0.1	-0.2
Water and sewer and trash collection services <sup>2</sup> .....	1.079	3.6	0.2	0.3	0.1	0.3
Water and sewerage maintenance.....	0.815	3.3	0.1	0.1	0.1	0.3
Garbage and trash collection <sup>1, 10</sup> .....	0.265	4.5	0.3	1.0	0.1	0.3
Household operations <sup>1, 2</sup> .....	0.870	4.7	0.0	0.0	0.0	0.0
Domestic services <sup>1, 2</sup> .....	0.297	2.1	0.0	0.0	-0.1	0.0
Gardening and lawn care services <sup>1, 2</sup> .....	0.291	8.9	0.1	0.9	-0.1	0.1
Moving, storage, freight expense <sup>2</sup> .....	0.101	1.8	0.3	-0.6	1.2	0.5
Repair of household items <sup>1, 2</sup> .....	0.105	4.1	-0.6	-2.5	0.2	-0.6
Medical care services.....	6.883	1.9	0.2	-0.2	0.2	0.2
Professional services.....	3.239	0.8	0.0	-0.3	0.2	0.2
Physicians' services.....	1.728	0.4	-0.1	-0.1	0.3	0.0
Dental services.....	0.780	2.3	0.2	-0.8	0.3	0.3
Eyeglasses and eye care <sup>1, 6</sup> .....	0.316	1.1	0.0	0.1	0.0	0.0
Services by other medical professionals <sup>1, 6</sup> .....	0.415	-0.2	0.1	-0.1	-0.1	0.1
Hospital and related services.....	2.591	3.2	0.1	0.0	-0.2	0.0
Hospital services <sup>13</sup> .....	2.312	3.3	0.1	-0.1	-0.3	0.0
Inpatient hospital services <sup>13, 3</sup> .....		2.9	-0.2	-0.3	0.1	-0.3
Outpatient hospital services <sup>3, 6</sup> .....		3.0	0.2	-0.3	-0.6	0.1
Nursing homes and adult day services <sup>13</sup> .....	0.191	3.7	0.3	0.6	0.3	0.5
Care of invalids and elderly at home <sup>1, 5</sup> .....	0.087	2.0	0.0	1.0	0.3	0.0
Health insurance <sup>1, 5</sup> .....	1.053	2.2	1.1	-0.3	1.2	1.1
Transportation services.....	5.945	3.8	0.6	0.3	0.5	0.1
Leased cars and trucks <sup>1, 11</sup> .....	0.655	5.0	-1.2	0.0	0.3	-1.2
Car and truck rental <sup>2</sup> .....	0.118	3.4	-0.3	-1.7	2.2	3.3
Motor vehicle maintenance and repair <sup>1</sup> .....	1.117	2.0	0.2	0.3	0.5	0.2
Motor vehicle body work <sup>1</sup> .....	0.055	3.2	0.7	0.6	0.0	0.7
Motor vehicle maintenance and servicing <sup>1</sup> .....	0.628	2.7	0.2	0.4	0.5	0.2
Motor vehicle repair <sup>1, 2</sup> .....	0.370	0.8	0.1	0.2	0.7	0.1
Motor vehicle insurance.....	2.382	6.7	0.9	0.0	0.8	0.5
Motor vehicle fees <sup>1, 2</sup> .....	0.539	2.0	0.1	0.3	0.0	0.1
State motor vehicle registration and license fees <sup>1, 2</sup> .....	0.279	1.4	0.1	0.4	-0.1	0.1
Parking and other fees <sup>1, 2</sup> .....	0.243	2.6	0.0	0.2	0.2	0.0
Parking fees and tolls <sup>2, 3</sup> .....		2.4	0.0	0.3	0.5	0.2
Automobile service clubs <sup>1, 2, 3</sup> .....				0.0	0.0	
Public transportation.....	1.133	-0.5	1.6	1.3	0.4	-0.1
Airline fares.....	0.683	-0.5	3.0	2.4	1.0	0.0
Other intercity transportation.....	0.166	-2.6	-0.8	-1.5	0.1	-0.3
Intercity bus fare <sup>1, 3, 4</sup> .....		-0.4	-2.0	-5.4	2.3	-2.0
Intercity train fare <sup>1, 3, 4</sup> .....						
Ship fare <sup>1, 2, 3</sup> .....		-0.6	0.1	-0.8	0.8	0.1
Intracity transportation <sup>1</sup> .....	0.277	0.1	-0.3	0.3	-0.4	-0.3
Intracity mass transit <sup>1, 3, 8</sup> .....		1.5	-0.3	0.0	0.1	-0.3
Recreation services <sup>8</sup> .....	3.850	1.9	-0.2	0.1	0.7	0.0
Video and audio services <sup>8</sup> .....	1.587	1.2	-0.3	0.7	0.9	-0.1
Cable and satellite television service <sup>10</sup> .....	1.501	1.1	-0.5	0.9	0.8	-0.3
Video discs and other media, including rental of video <sup>1, 2</sup> .....	0.086	3.5	3.1	-2.5	1.7	3.1

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 2018 — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
Video discs and other media <sup>1, 2, 3</sup> .....		2.2	5.5	-3.9	2.1	5.5
Rental of video discs and other media <sup>1, 2, 3</sup> .....		3.0	0.4	0.1	-0.8	0.4
Pet services including veterinary <sup>2</sup> .....	0.413	2.9	0.3	-0.1	0.6	0.5
Pet services <sup>1, 2, 3</sup> .....		3.6	0.4	-0.7	2.2	0.4
Veterinarian services <sup>2, 3</sup> .....		2.9	0.4	0.1	0.4	0.6
Photographers and photo processing <sup>1, 2</sup> .....	0.038	-0.9	-0.4	0.7	0.7	-0.4
Photographer fees <sup>1, 2, 3</sup> .....				0.0	0.6	
Photo processing <sup>1, 2, 3</sup> .....		-9.1	-1.4	1.6	-0.7	-1.4
Other recreation services <sup>2</sup> .....	1.810	2.3	-0.2	-0.3	0.6	0.1
Club membership for shopping clubs, fraternal, or other organizations, or participant sports fees <sup>1, 2</sup> .....	0.666	2.1	0.4	0.5	0.1	0.4
Admissions.....	0.655	1.9	-1.1	-1.4	0.9	-0.5
Admission to movies, theaters, and concerts <sup>1, 2, 3</sup> .....		1.9	0.0	-0.7	-0.1	0.0
Admission to sporting events <sup>1, 2, 3</sup> .....		2.7	-1.5	-1.1	0.5	-1.5
Fees for lessons or instructions <sup>1, 6</sup> .....	0.217	3.6	0.7	-0.2	1.7	0.7
Education and communication services <sup>8</sup> .....	6.062	1.3	0.0	0.2	0.1	0.0
Tuition, other school fees, and childcare.....	2.900	2.6	0.3	0.7	0.1	0.2
College tuition and fees.....	1.607	2.8	0.7	0.5	0.1	0.6
Elementary and high school tuition and fees.....	0.337	4.7	0.0	1.1	0.4	0.1
Child care and nursery school <sup>9</sup> .....	0.804	1.5	-0.5	0.7	0.1	-0.4
Technical and business school tuition and fees <sup>2</sup> .....	0.032	2.3	0.5	0.0	-0.3	0.7
Postage and delivery services <sup>2</sup> .....	0.108	2.5	0.0	0.2	0.3	0.2
Postage.....	0.094	2.0	0.0	0.2	0.2	0.2
Delivery services <sup>2</sup> .....	0.014	6.9	-0.1	0.2	1.1	0.3
Telephone services <sup>1, 2</sup> .....	2.266	-0.2	-0.2	-0.4	0.1	-0.2
Wireless telephone services <sup>1, 2</sup> .....	1.693	-0.5	0.1	-0.4	0.0	0.1
Land-line telephone services <sup>1, 8</sup> .....	0.572	0.6	-1.1	-0.2	0.4	-1.1
Internet services and electronic information providers <sup>2</sup> .....	0.780	0.9	-0.1	0.0	0.3	-0.4
Other personal services <sup>1, 8</sup> .....	1.632	3.9	0.5	0.1	0.1	0.5
Personal care services <sup>1</sup> .....	0.623	3.1	0.6	-0.1	0.1	0.6
Haircuts and other personal care services <sup>1, 2</sup> .....	0.623	3.1	0.6	-0.1	0.1	0.6
Miscellaneous personal services.....	1.009	4.4	0.4	0.2	0.2	0.5
Legal services <sup>1, 6</sup> .....	0.304	5.1	0.6	0.0	0.1	0.6
Funeral expenses <sup>1, 6</sup> .....	0.127	2.2	0.2	0.3	0.0	0.2
Laundry and dry cleaning services <sup>1, 2</sup> .....	0.238	3.6	0.6	0.3	0.5	0.6
Apparel services other than laundry and dry cleaning <sup>1, 2</sup> .....	0.029	2.5	0.4	0.7	0.0	0.4
Financial services <sup>6</sup> .....	0.240	5.7	0.2	0.4	0.2	0.5
Checking account and other bank services <sup>1, 2, 3</sup> .....		9.9	-0.1	0.1	0.0	-0.1
Tax return preparation and other accounting fees <sup>2, 3</sup> .....		5.9	0.4	0.2	-0.1	0.7

<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> Indexes on a December 2009=100 base.

<sup>9</sup> Indexes on a December 1990=100 base.

<sup>10</sup> Indexes on a December 1983=100 base.

<sup>11</sup> Indexes on a December 2001=100 base.



<sup>12</sup> Indexes on a December 1982=100 base.

<sup>13</sup> Indexes on a December 1996=100 base.

**Table 3. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, special aggregate indexes, October 2018**

[1982-84=100, unless otherwise noted]

Special aggregate indexes	Relative importance Sep. 2018	Unadjusted indexes			Unadjusted percent change		Seasonally adjusted percent change		
		Oct. 2017	Sep. 2018	Oct. 2018	Oct. 2017- Oct. 2018	Sep. 2018- Oct. 2018	Jul. 2018- Aug. 2018	Aug. 2018- Sep. 2018	Sep. 2018- Oct. 2018
All items less food.....	86.765	245.926	252.116	252.636	2.7	0.2	0.2	0.1	0.4
All items less shelter.....	67.107	228.218	232.868	233.231	2.2	0.2	0.2	0.0	0.4
All items less food and shelter.....	53.872	222.148	227.127	227.577	2.4	0.2	0.2	0.0	0.5
All items less food, shelter, and energy.....	45.840	227.349	229.910	230.517	1.4	0.3	-0.1	0.1	0.2
All items less food, shelter, energy, and used cars and trucks.....	43.512	232.991	235.840	236.373	1.5	0.2	-0.1	0.3	0.1
All items less medical care.....	91.408	235.602	241.287	241.728	2.6	0.2	0.3	0.0	0.3
All items less energy.....	91.969	252.597	257.118	257.653	2.0	0.2	0.1	0.1	0.2
Commodities.....	37.384	182.116	185.571	186.071	2.2	0.3	0.2	-0.2	0.5
Commodities less food, energy, and used cars and trucks.....	17.190	145.926	145.350	145.724	-0.1	0.3	-0.4	0.1	0.0
Commodities less food.....	24.149	151.197	154.598	155.254	2.7	0.4	0.3	-0.3	0.8
Commodities less food and beverages.....	23.186	147.909	151.289	151.937	2.7	0.4	0.3	-0.3	0.8
Services.....	62.616	310.283	318.312	318.699	2.7	0.1	0.2	0.2	0.3
Services less rent of shelter <sup>1</sup> .....	30.097	330.492	337.734	337.770	2.2	0.0	0.1	0.2	0.3
Services less medical care services.....	55.733	295.186	303.130	303.469	2.8	0.1	0.3	0.2	0.3
Durables.....	9.841	103.838	103.488	103.726	-0.1	0.2	0.1	-0.8	0.4
Nondurables.....	27.543	222.048	228.169	228.816	3.0	0.3	0.0	-0.1	0.4
Nondurables less food.....	14.308	197.068	205.322	206.470	4.8	0.6	0.0	-0.2	0.8
Nondurables less food and beverages.....	13.345	193.973	202.508	203.673	5.0	0.6	0.0	-0.3	0.9
Nondurables less food, beverages, and apparel.....	10.231	238.448	253.690	254.582	6.8	0.4	1.3	-0.1	1.2
Nondurables less food and apparel.....	11.194	238.034	252.167	253.050	6.3	0.4	1.1	-0.1	1.1
Housing.....	41.773	253.125	259.941	260.268	2.8	0.1	0.3	0.1	0.3
Education and communication <sup>2</sup> .....	6.608	136.502	137.868	137.776	0.9	-0.1	0.2	0.1	-0.1
Education <sup>2</sup> .....	3.030	256.435	262.336	262.947	2.5	0.2	0.5	0.1	0.2
Communication <sup>2</sup> .....	3.577	74.147	74.099	73.862	-0.4	-0.3	-0.2	0.2	-0.4
Information and information processing <sup>2</sup> ....	3.470	70.295	70.195	69.964	-0.5	-0.3	-0.2	0.2	-0.4
Information technology, hardware and services <sup>3</sup> .....	1.204	7.542	7.502	7.459	-1.1	-0.6	0.2	0.3	-0.8
Recreation <sup>2</sup> .....	5.641	118.663	119.163	118.850	0.2	-0.3	-0.1	0.3	-0.1
Video and audio <sup>2</sup> .....	1.818	104.636	104.306	103.959	-0.6	-0.3	0.5	0.6	-0.1
Pets, pet products and services <sup>2</sup> .....	1.012	170.556	173.248	173.449	1.7	0.1	-0.1	0.4	0.2
Photography <sup>2</sup> .....	0.073	76.667	74.154	74.605	-2.7	0.6	0.9	0.2	0.7
Food and beverages.....	14.198	251.130	254.178	254.203	1.2	0.0	0.1	0.1	-0.1
Domestically produced farm food.....	6.061	247.806	248.048	247.519	-0.1	-0.2	-0.1	-0.2	-0.3
Other services.....	11.544	348.774	355.202	355.315	1.9	0.0	0.1	0.3	0.1
Apparel less footwear.....	2.441	122.927	120.684	122.582	-0.3	1.6	-1.9	1.6	0.2
Fuels and utilities.....	4.674	237.015	242.834	240.641	1.5	-0.9	0.5	-0.6	1.3
Household energy.....	3.594	197.585	201.859	199.381	0.9	-1.2	0.6	-0.8	1.7
Medical care.....	8.592	477.121	484.708	485.269	1.7	0.1	-0.2	0.2	0.2
Transportation.....	16.896	202.457	212.414	213.482	5.4	0.5	0.9	-0.3	1.1
Private transportation.....	15.763	197.766	208.550	209.429	5.9	0.4	0.9	-0.4	1.2
New and used motor vehicles <sup>2</sup> .....	6.910	97.476	98.261	98.425	1.0	0.2	0.1	-1.1	0.7
Utilities and public transportation.....	9.381	215.443	217.562	216.596	0.5	-0.4	0.3	-0.1	0.5
Household furnishings and operations.....	4.206	120.237	121.390	122.038	1.5	0.5	0.0	0.2	0.3
Other goods and services.....	3.177	436.252	443.409	444.334	1.9	0.2	0.0	0.1	0.2
Personal care.....	2.530	227.947	231.694	231.401	1.5	-0.1	-0.1	0.1	-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.

**Table 4. Consumer Price Index for All Urban Consumers (CPI-U): Selected areas, all items index, October 2018**  
 [1982-84=100, unless otherwise noted]

Area	Pricing Schedule <sup>1</sup>	Percent change to Oct. 2018 from:			Percent change to Sep. 2018 from:		
		Oct. 2017	Aug. 2018	Sep. 2018	Sep. 2017	Jul. 2018	Aug. 2018
U.S. city average.....	M	2.5	0.3	0.2	2.3	0.2	0.1
<b>Region and area size<sup>2</sup></b>							
Northeast.....	M	2.3	0.0	-0.1	2.2	0.3	0.1
Northeast - Size Class A.....	M	2.2	0.3	-0.1	2.1	0.5	0.4
Northeast - Size Class B/C <sup>3</sup> .....	M	2.5	-0.4	-0.1	2.7	0.1	-0.2
New England <sup>4</sup> .....	M		0.3	-0.1		0.3	0.4
Middle Atlantic <sup>4</sup> .....	M		-0.1	-0.1		0.3	0.0
Midwest.....	M	2.2	0.2	0.1	1.9	0.1	0.1
Midwest - Size Class A.....	M	2.0	0.1	0.0	1.8	0.0	0.1
Midwest - Size Class B/C <sup>3</sup> .....	M	1.8	0.2	0.1	1.7	0.1	0.1
East North Central <sup>4</sup> .....	M		0.2	0.0		0.1	0.2
West North Central <sup>4</sup> .....	M		0.2	0.2		0.0	0.0
South.....	M	2.1	0.2	0.2	1.7	-0.1	0.0
South - Size Class A.....	M	2.3	0.2	0.2	1.9	0.0	0.1
South - Size Class B/C <sup>3</sup> .....	M	2.0	0.2	0.2	1.6	-0.1	0.0
South Atlantic <sup>4</sup> .....	M		0.3	0.2		0.1	0.1
East South Central <sup>4</sup> .....	M		0.2	0.3		-0.3	-0.1
West South Central <sup>4</sup> .....	M		0.2	0.2		-0.1	-0.1
West.....	M	3.5	0.7	0.4	3.4	0.4	0.3
West - Size Class A.....	M	3.8	0.7	0.4	3.7	0.4	0.3
West - Size Class B/C <sup>3</sup> .....	M	2.9	0.6	0.4	2.8	0.5	0.2
Mountain <sup>4</sup> .....	M		0.6	0.3		0.4	0.3
Pacific <sup>4</sup> .....	M		0.7	0.4		0.5	0.3
<b>Size classes</b>							
Size Class A <sup>5</sup> .....	M	2.7	0.4	0.2	2.5	0.3	0.2
Size Class B/C <sup>3</sup> .....	M	2.2	0.2	0.2	2.0	0.1	0.0
<b>Selected local areas</b>							
Chicago-Naperville-Elgin, IL-IN-WI.....	M	2.0	0.3	0.0	1.6	0.5	0.4
Los Angeles-Long Beach-Anaheim, CA.....	M	4.1	1.1	0.5	3.9	0.8	0.5
New York-Newark-Jersey City, NY-NJ-PA.....	M	2.0	0.2	-0.1	2.0	0.5	0.4
Atlanta-Sandy Springs-Roswell, GA.....	2	1.6	-1.0				
Baltimore-Columbia-Towson, MD <sup>6</sup> .....	2		0.2				
Detroit-Warren-Dearborn, MI.....	2	1.9	0.0				
Houston-The Woodlands-Sugar Land, TX.....	2	2.2	0.8				
Miami-Fort Lauderdale-West Palm Beach, FL.....	2	3.4	0.8				
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD.....	2	1.6	0.0				
Phoenix-Mesa-Scottsdale, AZ <sup>7</sup> .....	2		0.7				
San Francisco-Oakland-Hayward, CA.....	2	4.4	0.7				
Seattle-Tacoma-Bellevue, WA.....	2	3.1	0.4				
St. Louis, MO-IL.....	2		0.1				
Urban Alaska.....	2		-0.2				
Boston-Cambridge-Newton, MA-NH.....	1				3.3	1.2	
Dallas-Fort Worth-Arlington, TX.....	1				2.4	0.4	
Denver-Aurora-Lakewood, CO.....	1					0.8	
Minneapolis-St.Paul-Bloomington, MN-WI.....	1					0.3	
Riverside-San Bernardino-Ontario, CA <sup>4</sup> .....	1					0.1	
San Diego-Carlsbad, CA.....	1					0.2	
Tampa-St. Petersburg-Clearwater, FL <sup>8</sup> .....	1					0.6	
Urban Hawaii.....	1					0.6	
Washington-Arlington-Alexandria, DC-VA-MD-WV <sup>6</sup> .....	1				2.0	0.4	

<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 2017=100 base.

<sup>5</sup> Indexes on a December 1986=100 base.

<sup>6</sup> 1998 - 2017 indexes based on substantially smaller sample.

<sup>7</sup> Indexes on a December 2001=100 base.

<sup>8</sup> Indexes on a 1987=100 base.

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.

**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 2018**  
 [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
December 2014.....			0.5	0.8
December 2015.....			0.4	0.7
January 2016.....	0.1	0.2	1.1	1.4
February 2016.....	0.0	0.1	0.7	1.0
March 2016.....	0.5	0.4	0.5	0.9
April 2016.....	0.5	0.5	0.8	1.1
May 2016.....	0.4	0.4	0.7	1.0
June 2016.....	0.3	0.3	0.7	1.0
July 2016.....	-0.2	-0.2	0.5	0.8
August 2016.....	0.0	0.1	0.7	1.1
September 2016.....	0.2	0.2	1.1	1.5
October 2016.....	0.2	0.1	1.3	1.6
November 2016.....	-0.2	-0.2	1.4	1.7
December 2016.....	0.0	0.0	1.8	2.1
January 2017.....	0.6	0.6	2.3	2.5
February 2017.....	0.3	0.3	2.6	2.7
March 2017.....	0.0	0.1	2.1	2.4
April 2017.....	0.3	0.3	1.8	2.2
May 2017.....	0.1	0.1	1.5	1.9
June 2017.....	0.0	0.1	1.2	1.6
July 2017.....	-0.2	-0.1	1.3	1.7
August 2017.....	0.3	0.3	1.5	1.9
September 2017.....	0.5	0.5	1.9	2.2
October 2017.....	-0.1	-0.1	1.6	2.0
November 2017.....	0.0	0.0	1.8	2.2
December 2017.....	-0.1	-0.1	1.7	2.1
January 2018.....	0.5	0.5	1.6	2.1
February 2018.....	0.4	0.5	1.8	2.2
March 2018.....	0.2	0.2	2.0	2.4
April 2018.....	0.4	0.4	2.1	2.5
May 2018.....	0.4	0.4	2.4	2.8
June 2018.....	0.1	0.2	2.5	2.9
July 2018.....	0.0	0.0	2.7	2.9
August 2018.....	0.0	0.1	2.5	2.7
September 2018.....	0.1	0.1	2.0	2.3
October 2018.....	0.2	0.2	2.3	2.5

<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.

**Table 6. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2018, 1-month analysis table**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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	0.3		0.03	L-Jan.2018	0.5
Food.....	13.235	-0.1	-0.010	0.06	S-May 2016	-0.2
Food at home.....	7.256	-0.2	-0.016	0.10	S-May 2018	-0.2
Cereals and bakery products.....	0.955	-0.6	-0.006	0.25	S-Mar.2016	-0.6
Cereals and cereal products.....	0.310	-2.1	-0.007	0.42	S-EVER	-
Flour and prepared flour mixes.....	0.041	-2.7	-0.001	0.66	S-Apr.2001	-2.9
Breakfast cereal <sup>4</sup> .....	0.150	-0.7	-0.001	0.68	S-Feb.2018	-1.5
Rice, pasta, cornmeal <sup>4</sup> .....	0.120	-2.8	-0.003	0.76	S-EVER	-
Rice <sup>4, 5, 6</sup> .....		-2.1		1.21	S-Sep.2016	-2.4
Bakery products <sup>4</sup> .....	0.645	0.2	0.001	0.28	-	-
Bread <sup>4, 5</sup> .....	0.189	0.4	0.001	0.48	L-Aug.2018	0.4
White bread <sup>4, 6</sup> .....		1.0		0.59	L-May 2018	1.7
Bread other than white <sup>4, 6</sup> .....		0.0		0.81	L-Aug.2018	0.2
Fresh biscuits, rolls, muffins <sup>5</sup> .....	0.092	-1.0	-0.001	0.71	S-Feb.2017	-1.5
Cakes, cupcakes, and cookies.....	0.161	0.4	0.001	0.58	S-Aug.2018	-1.0
Cookies <sup>6</sup> .....		0.0		0.93	S-Aug.2018	-1.7
Fresh cakes and cupcakes <sup>4, 6</sup> .....		0.7		0.69	L-Mar.2018	0.7
Other bakery products.....	0.203	-0.2	0.000	0.53	S-Aug.2018	-0.6
Fresh sweetrolls, coffeecakes, doughnuts <sup>4, 6</sup> .....		1.2		0.74	L-Jul.2018	3.1
Crackers, bread, and cracker products <sup>6</sup> .....		-0.5		0.95	S-May 2018	-1.7
Frozen and refrigerated bakery products, pies, tarts, turnovers <sup>6</sup> .....		0.1		0.71	S-Aug.2018	-0.9
Meats, poultry, fish, and eggs.....	1.600	0.0	0.000	0.20	L-Aug.2018	0.1
Meats, poultry, and fish.....	1.507	0.0	0.000	0.21	L-Aug.2018	0.2
Meats.....	0.945	-0.6	-0.006	0.25	-	-
Beef and veal.....	0.430	-0.7	-0.003	0.34	S-May 2018	-1.4
Uncooked ground beef <sup>4</sup> .....	0.170	-0.9	-0.002	0.53	L-Aug.2018	0.3
Uncooked beef roasts <sup>4, 5</sup> .....	0.062	-3.8	-0.002	1.03	S-Apr.2005	-3.8
Uncooked beef steaks <sup>5</sup> .....	0.161	0.3	0.000	0.63	L-Jul.2018	1.7
Uncooked other beef and veal <sup>4, 5</sup> .....	0.037	0.9	0.000	0.86	L-Jun.2018	1.4
Pork.....	0.298	-0.7	-0.002	0.55	S-Jun.2018	-1.1
Bacon, breakfast sausage, and related products <sup>5</sup> .....	0.134	-1.1	-0.001	0.68	S-Jun.2018	-1.4
Bacon and related products <sup>6</sup> .....		-1.3		1.01	L-Aug.2018	-0.2
Breakfast sausage and related products <sup>5, 6</sup> .....		-0.6		1.08	S-Aug.2018	-1.4
Ham.....	0.055	-1.8	-0.001	1.44	S-Aug.2018	-2.2
Ham, excluding canned <sup>6</sup> .....		-1.7		1.40	S-Aug.2018	-2.7
Pork chops <sup>4</sup> .....	0.044	0.2	0.000	1.37	L-Aug.2018	2.8
Other pork including roasts, steaks, and ribs <sup>5</sup> .....	0.065	0.4	0.000	1.19	L-Aug.2018	2.9
Other meats.....	0.217	-0.4	-0.001	0.54	L-Aug.2018	-0.1
Frankfurters <sup>6</sup> .....		0.7		1.43	L-Aug.2018	0.8
Lunchmeats <sup>5, 6</sup> .....		0.0		0.54	L-Jul.2018	0.9
Lamb and organ meats <sup>4, 6</sup> .....						
Lamb and mutton <sup>4, 5, 6</sup> .....						
Poultry <sup>4</sup> .....	0.312	0.6	0.002	0.52	L-Jul.2018	0.6
Chicken <sup>4, 5</sup> .....	0.256	1.0	0.003	0.62	L-Dec.2017	1.4
Fresh whole chicken <sup>4, 6</sup> .....		0.3		1.14	L-Jul.2018	0.9
Fresh and frozen chicken parts <sup>4, 6</sup> .....		1.5		0.71	L-Jun.2015	1.7
Other uncooked poultry including turkey <sup>5</sup> .....	0.056	-1.3	-0.001	0.89	-	-
Fish and seafood.....	0.250	1.4	0.004	0.51	L-Aug.2018	1.7
Fresh fish and seafood <sup>5</sup> .....	0.128	1.6	0.002	0.75	L-Aug.2018	1.9
Processed fish and seafood <sup>5</sup> .....	0.122	1.4	0.002	0.64	L-Aug.2018	1.4

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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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> .....		1.8		1.05	L-Mar.2018	3.9
Frozen fish and seafood <sup>6</sup> .....		1.4		1.10	L-Aug.2018	2.0
Eggs.....	0.093	0.3	0.000	0.90	L-Apr.2018	7.1
Dairy and related products.....	0.726	-0.4	-0.003	0.28	S-Jul.2018	-0.6
Milk <sup>4, 5</sup> .....	0.198	0.7	0.001	0.38	L-Aug.2018	0.9
Fresh whole milk <sup>6</sup> .....		0.8		0.56	L-Jun.2018	0.8
Fresh milk other than whole <sup>5, 6</sup> .....		0.8		0.51	L-Aug.2018	1.0
Cheese and related products.....	0.237	-1.1	-0.003	0.51	S-Aug.2015	-1.3
Ice cream and related products.....	0.104	0.0	0.000	0.75	S-Jul.2018	-0.2
Other dairy and related products <sup>4, 5</sup> .....	0.186	-0.3	-0.001	0.56	L-Aug.2018	0.3
Fruits and vegetables.....	1.280	-0.7	-0.009	0.30	S-Mar.2018	-0.7
Fresh fruits and vegetables.....	1.009	-0.8	-0.008	0.36	S-Jan.2017	-1.5
Fresh fruits.....	0.547	-1.8	-0.010	0.45	S-Mar.2016	-2.2
Apples.....	0.076	2.8	0.002	1.15	L-Oct.2015	3.0
Bananas <sup>4</sup> .....	0.080	-0.7	-0.001	0.64	S-Aug.2018	-1.0
Citrus fruits <sup>5</sup> .....	0.169	-2.5	-0.004	0.75	—	—
Oranges, including tangerines <sup>6</sup> .....		-2.8		1.25	L-Aug.2018	-1.5
Other fresh fruits <sup>5</sup> .....	0.222	-3.2	-0.007	0.73	S-Aug.2018	-4.6
Fresh vegetables.....	0.462	0.3	0.002	0.56	L-Jul.2018	1.9
Potatoes.....	0.077	1.9	0.001	1.22	L-Nov.2016	2.7
Lettuce.....	0.058	1.5	0.001	1.62	L-Jul.2018	6.3
Tomatoes <sup>4</sup> .....	0.076	-0.4	0.000	1.10	S-Aug.2018	-1.0
Other fresh vegetables.....	0.252	0.5	0.001	0.69	L-Aug.2018	1.1
Processed fruits and vegetables <sup>5</sup> .....	0.271	-0.4	-0.001	0.44	S-Jul.2018	-0.5
Canned fruits and vegetables <sup>5</sup> .....	0.149	-1.0	-0.002	0.65	S-Feb.2018	-1.1
Canned fruits <sup>5, 6</sup> .....		-0.5		0.78	S-Jul.2018	-0.7
Canned vegetables <sup>5, 6</sup> .....		-1.8		0.77	S-Oct.2015	-2.7
Frozen fruits and vegetables <sup>5</sup> .....	0.078	0.6	0.000	0.83	L-Feb.2018	1.4
Frozen vegetables <sup>6</sup> .....		0.7		1.00	L-Aug.2018	1.0
Other processed fruits and vegetables including dried <sup>5</sup> .....	0.044	-0.3	0.000	0.76	L-Aug.2018	1.9
Dried beans, peas, and lentils <sup>4, 5, 6</sup> .....		-0.7		0.80	L-Aug.2018	0.7
Nonalcoholic beverages and beverage materials.....	0.865	0.2	0.002	0.36	S-Aug.2018	0.2
Juices and nonalcoholic drinks <sup>5</sup> .....	0.613	0.3	0.002	0.41	S-Aug.2018	0.2
Carbonated drinks.....	0.257	0.5	0.001	0.77	L-Aug.2018	2.2
Frozen noncarbonated juices and drinks <sup>4, 5</sup> .....	0.008	1.1	0.000	0.73	L-Dec.2017	1.7
Nonfrozen noncarbonated juices and drinks <sup>5</sup> .....	0.347	0.4	0.001	0.51	S-Aug.2018	-0.8
Beverage materials including coffee and tea <sup>5</sup> .....	0.252	0.3	0.001	0.61	L-Mar.2018	0.9
Coffee.....	0.162	0.2	0.000	0.77	S-Aug.2018	-0.2
Roasted coffee <sup>6</sup> .....		0.2		1.08	L-Aug.2018	0.5
Instant coffee <sup>4, 6</sup> .....		1.5		0.71	L-Mar.2018	2.0
Other beverage materials including tea <sup>4, 5</sup> .....	0.090	0.7	0.001	0.99	L-Jul.2018	1.7
Other food at home.....	1.831	0.0	0.001	0.20	S-Aug.2018	0.0
Sugar and sweets <sup>4</sup> .....	0.278	-0.7	-0.002	0.49	S-Jul.2018	-0.8
Sugar and artificial sweeteners.....	0.043	-1.0	0.000	0.67	S-Feb.2018	-1.2
Candy and chewing gum <sup>4, 5</sup> .....	0.182	0.1	0.000	0.69	S-Jul.2018	-0.9
Other sweets <sup>5</sup> .....	0.054	-1.9	-0.001	0.84	S-May 2018	-2.0
Fats and oils.....	0.215	-0.3	-0.001	0.44	S-Aug.2018	-0.4
Butter and margarine <sup>5</sup> .....	0.061	-0.7	0.000	0.88	S-Aug.2018	-1.7
Butter <sup>6</sup> .....		-0.5		1.01	S-Aug.2018	-2.2
Margarine <sup>6</sup> .....		-0.9		0.98	S-May 2018	-1.3
Salad dressing <sup>5</sup> .....	0.052	0.0	0.000	1.03	L-Aug.2018	1.3
Other fats and oils including peanut butter <sup>5</sup> .....	0.101	-0.1	0.000	0.56	L-Jul.2018	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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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> .....		3.4		0.63	L-Feb.2018	3.4
Other foods.....	1.338	0.3	0.003	0.25	L-Nov.2017	0.4
Soups.....	0.080	1.4	0.001	1.07	L-Sep.2017	2.9
Frozen and freeze dried prepared foods <sup>4</sup> .....	0.233	-0.3	-0.001	0.54	S-Aug.2018	-0.3
Snacks <sup>4</sup> .....	0.312	0.4	0.001	0.72	S-Aug.2018	-0.3
Spices, seasonings, condiments, sauces.....	0.271	0.6	0.002	0.54	L-May 2018	0.7
Salt and other seasonings and spices <sup>5, 6</sup> .....		1.1		0.96	S-Aug.2018	-1.4
Olives, pickles, relishes <sup>4, 5, 6</sup> .....						
Sauces and gravies <sup>5, 6</sup> .....		0.1		0.81	S-Jul.2018	-2.0
Other condiments <sup>6</sup> .....		-2.3		0.65	S-Aug.2018	-2.3
Baby food <sup>4, 5</sup> .....	0.049	1.1	0.001	0.52	L-May 2018	1.1
Other miscellaneous foods <sup>4, 5</sup> .....	0.392	0.0	0.000	0.41	L-Jul.2018	0.7
Prepared salads <sup>4, 7, 6</sup> .....		0.8		0.76	L-Aug.2018	1.6
Food away from home <sup>4</sup> .....	5.979	0.1	0.006	0.04	S-Jul.2018	0.1
Full service meals and snacks <sup>4, 5</sup> .....	2.969	0.2	0.007	0.04	L-Jul.2018	0.2
Limited service meals and snacks <sup>4, 5</sup> .....	2.542	-0.1	-0.002	0.07	S-Feb.2010	-0.1
Food at employee sites and schools <sup>5</sup> .....	0.181	1.0	0.002	0.38	L-Jul.2018	1.8
Food at elementary and secondary schools <sup>4, 8, 6</sup> .....		0.1		0.49	S-Jun.2018	0.1
Food from vending machines and mobile vendors <sup>4, 5</sup> .....	0.091	0.3	0.000	0.11	S-Aug.2018	0.2
Other food away from home <sup>4, 5</sup> .....	0.196	0.0	0.000	0.09	S-Jun.2018	0.0
Energy.....	8.031	2.4	0.189	0.08	L-Jan.2018	3.0
Energy commodities.....	4.630	2.9	0.134	0.13	L-Aug.2018	3.0
Fuel oil and other fuels.....	0.193	1.6	0.003	0.33	L-Aug.2018	2.3
Fuel oil.....	0.119	3.7	0.004	0.43	L-Jan.2018	9.5
Propane, kerosene, and firewood <sup>9</sup> .....	0.074	-0.8	-0.001	0.48	S-Aug.2016	-2.2
Motor fuel.....	4.437	3.0	0.130	0.13	L-Aug.2018	3.0
Gasoline (all types).....	4.344	3.0	0.128	0.13	L-Aug.2018	3.0
Gasoline, unleaded regular <sup>6</sup> .....		3.0		0.51	L-Aug.2018	3.8
Gasoline, unleaded midgrade <sup>10, 6</sup> .....		2.8		0.51	L-Jan.2018	4.9
Gasoline, unleaded premium <sup>6</sup> .....		3.3		0.44	L-Nov.2017	4.9
Other motor fuels <sup>5</sup> .....	0.094	3.2	0.003	0.15	L-Jan.2018	6.6
Energy services.....	3.401	1.7	0.055	0.08	L-Mar.2014	2.6
Electricity.....	2.655	2.3	0.060	0.10	L-Jan.2006	4.9
Utility (piped) gas service.....	0.747	-0.6	-0.004	0.08	L-Aug.2018	0.9
All items less food and energy.....	78.734	0.2	0.152	0.03	L-Jul.2018	0.2
Commodities less food and energy commodities.....	19.519	0.3	0.056	0.08	L-Jan.2018	0.4
Household furnishings and supplies <sup>11</sup> .....	3.336	0.4	0.015	0.16	L-Apr.2018	0.6
Window and floor coverings and other linens <sup>4, 5</sup> .....	0.258	2.2	0.006	0.75	L-Jan.2018	4.1
Floor coverings <sup>4, 5</sup> .....	0.055	0.1	0.000	0.56	S-Jul.2018	-1.7
Window coverings <sup>4, 5</sup> .....	0.045	1.7	0.001	0.88	L-Feb.2018	2.2
Other linens <sup>4, 5</sup> .....	0.158	3.1	0.005	1.15	L-Jan.2018	5.6
Furniture and bedding.....	0.883	0.1	0.001	0.34	S-Jul.2018	-0.1
Bedroom furniture <sup>4</sup> .....	0.323	0.9	0.003	0.52	S-Aug.2018	-0.2
Living room, kitchen, and dining room furniture <sup>4, 5</sup> .....	0.426	-0.2	-0.001	0.45	S-Aug.2018	-0.3
Other furniture <sup>5</sup> .....	0.123	0.5	0.001	0.71	S-Aug.2018	-0.1
Infants' furniture <sup>4, 8, 6</sup> .....		-1.9		0.74	-	-
Appliances <sup>5</sup> .....	0.216	1.6	0.003	0.55	L-Apr.2018	2.1
Major appliances <sup>5</sup> .....	0.080	0.5	0.000	0.70	L-Jul.2018	3.5
Laundry equipment <sup>6</sup> .....		0.2		1.18	L-Jul.2018	0.3
Other appliances <sup>5</sup> .....	0.133	2.0	0.003	0.63	L-Mar.2014	2.0
Other household equipment and furnishings <sup>5</sup> .....	0.491	1.8	0.009	0.48	L-Oct.2004	4.5
Clocks, lamps, and decorator items <sup>4</sup> .....	0.266	2.0	0.005	0.76	L-Oct.2004	7.9

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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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>12</sup> .....	0.092	-0.1	0.000	0.68	S-Jun.2018	-1.9
Dishes and flatware <sup>4, 5</sup> .....	0.053	1.9	0.001	1.49	L-Apr.2018	3.2
Nonelectric cookware and tableware <sup>5</sup> .....	0.080	2.4	0.002	0.75	L-Mar.2018	3.0
Tools, hardware, outdoor equipment and supplies <sup>5</sup> ....	0.659	0.1	0.001	0.24	L-Jul.2018	0.4
Tools, hardware and supplies <sup>4, 5</sup> .....	0.196	-0.4	-0.001	0.35	S-Aug.2018	-0.8
Outdoor equipment and supplies <sup>5</sup> .....	0.304	0.3	0.001	0.30	L-Jul.2018	0.5
Housekeeping supplies <sup>4</sup> .....	0.829	0.2	0.002	0.24	L-Jul.2018	0.6
Household cleaning products <sup>5</sup> .....	0.329	-0.2	-0.001	0.39	S-Jan.2018	-1.1
Household paper products <sup>4, 5</sup> .....	0.219	-0.1	0.000	0.38	L-Aug.2018	0.5
Miscellaneous household products <sup>4, 5</sup> .....	0.281	0.5	0.001	0.41	L-Jul.2018	0.6
Apparel.....	3.114	0.1	0.002	0.39	S-Aug.2018	-1.6
Men's and boys' apparel.....	0.762	1.7	0.013	0.72	S-Aug.2018	-2.1
Men's apparel.....	0.593	1.5	0.009	0.78	L-Jul.2018	1.7
Men's suits, sport coats, and outerwear.....	0.107	3.9	0.004	1.68	L-Apr.2016	5.3
Men's furnishings.....	0.156	0.9	0.001	1.45	L-Jul.2018	5.3
Men's shirts and sweaters <sup>5</sup> .....	0.172	0.6	0.001	1.22	S-Aug.2018	-4.2
Men's pants and shorts.....	0.150	2.3	0.004	1.28	S-Aug.2018	-0.7
Boys' apparel.....	0.170	0.9	0.002	1.44	S-Aug.2018	0.4
Women's and girls' apparel.....	1.288	-1.3	-0.016	0.60	S-Aug.2018	-1.7
Women's apparel.....	1.103	-1.7	-0.018	0.65	S-Aug.2018	-1.9
Women's outerwear.....	0.080	-6.4	-0.005	2.13	S-Aug.2012	-7.7
Women's dresses.....	0.144	-4.3	-0.006	1.42	S-Jan.2012	-4.5
Women's suits and separates <sup>5</sup> .....	0.574	-0.5	-0.003	0.87	S-Aug.2018	-4.1
Women's underwear, nightwear, sportswear and accessories <sup>5</sup> .....	0.293	-0.1	0.000	1.10	L-Aug.2018	1.6
Girls' apparel.....	0.185	1.1	0.002	1.49	L-Apr.2018	3.0
Footwear.....	0.673	-0.3	-0.002	0.57	L-Jul.2018	1.1
Men's footwear <sup>4</sup> .....	0.217	-0.2	0.000	0.96	L-Aug.2018	1.2
Boys' and girls' footwear.....	0.161	-2.2	-0.003	1.01	S-May 2018	-2.3
Women's footwear.....	0.295	0.6	0.002	0.80	L-Jun.2018	1.5
Infants' and toddlers' apparel.....	0.140	0.8	0.001	1.24	S-Aug.2018	-2.7
Jewelry and watches <sup>9</sup> .....	0.251	2.5	0.006	1.00	L-Apr.2017	2.7
Watches <sup>4, 9</sup> .....	0.099	9.1	0.009	1.52	L-EVER	-
Jewelry <sup>9</sup> .....	0.152	-1.5	-0.002	1.22	L-Jul.2018	2.1
Transportation commodities less motor fuel <sup>11</sup> .....	6.514	0.8	0.054	0.09	L-Jun.2011	0.8
New vehicles.....	3.695	-0.2	-0.008	0.15	S-Apr.2018	-0.5
New cars and trucks <sup>5, 6</sup> .....		-0.2		0.23	S-Apr.2018	-0.5
New cars <sup>6</sup> .....		-0.2		0.24	S-Apr.2018	-0.4
New trucks <sup>13, 6</sup> .....		-0.1		0.21	L-Aug.2018	0.1
Used cars and trucks.....	2.329	2.6	0.061	0.02	L-Dec.2009	2.7
Motor vehicle parts and equipment <sup>4</sup> .....	0.378	0.2	0.001	0.28	L-May 2018	0.6
Tires <sup>4</sup> .....	0.222	0.5	0.001	0.38	L-May 2018	0.8
Vehicle accessories other than tires <sup>4, 5</sup> .....	0.155	-0.2	0.000	0.44	L-Aug.2018	0.3
Vehicle parts and equipment other than tires <sup>4, 6</sup> ....		0.1		0.38	L-Jul.2018	1.0
Motor oil, coolant, and fluids <sup>4, 6</sup> .....		-4.2		0.90	S-EVER	-
Medical care commodities.....	1.710	-0.1	-0.001	0.25	-	-
Medicinal drugs <sup>4, 11</sup> .....	1.653	-0.3	-0.004	0.26	L-Aug.2018	0.1
Prescription drugs.....	1.316	-0.6	-0.008	0.29	S-Jul.2018	-1.0
Nonprescription drugs <sup>4, 11</sup> .....	0.336	1.5	0.005	0.43	L-Sep.2014	1.5
Medical equipment and supplies <sup>4, 11</sup> .....	0.057	0.5	0.000	0.50	S-Aug.2018	-0.8
Recreation commodities <sup>11</sup> .....	1.792	-0.5	-0.008	0.17	L-Aug.2018	-0.5
Video and audio products <sup>11</sup> .....	0.231	-0.6	-0.001	0.49	L-Jul.2018	0.0
Televisions.....	0.105	-1.2	-0.001	0.81	L-Jul.2018	0.4

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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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
Other video equipment <sup>5</sup> .....	0.027	-0.8	0.000	0.85	S-Jul.2018	-2.7
Audio equipment <sup>4</sup> .....	0.043	2.6	0.001	0.71	L-EVER	—
Recorded music and music subscriptions <sup>4, 5</sup> .....	0.048	-2.0	-0.001	0.85	L-Aug.2018	-0.6
Pets and pet products <sup>4</sup> .....	0.600	0.0	0.000	0.23	S-Aug.2018	-0.1
Pet food <sup>4, 5, 6</sup> .....		0.1		0.31	S-Aug.2018	-0.3
Purchase of pets, pet supplies, accessories <sup>4, 5, 6</sup> .....		-0.3		0.39	S-Feb.2018	-0.7
Sporting goods.....	0.488	-1.4	-0.007	0.29	S-Jun.2016	-1.4
Sports vehicles including bicycles <sup>4</sup> .....	0.278	-1.7	-0.005	0.34	S-Aug.2018	-1.8
Sports equipment.....	0.203	-0.8	-0.002	0.47	S-Jul.2018	-1.3
Photographic equipment and supplies.....	0.033	1.9	0.001	0.66	L-Mar.2018	2.1
Film and photographic supplies <sup>4, 5, 6</sup> .....						
Photographic equipment <sup>5, 6</sup> .....		2.0		0.69	L-Mar.2018	2.6
Recreational reading materials <sup>4</sup> .....	0.113	1.5	0.002	0.64	L-Jul.2018	1.7
Newspapers and magazines <sup>4, 5</sup> .....	0.069	2.5	0.002	0.95	L-Jul.2018	2.6
Recreational books <sup>4, 5</sup> .....	0.044	0.1	0.000	0.97	L-Jul.2018	0.3
Other recreational goods <sup>5</sup> .....	0.327	-0.7	-0.002	0.46	L-Jul.2018	0.1
Toys.....	0.256	-0.8	-0.002	0.52	L-Jul.2018	0.0
Toys, games, hobbies and playground equipment <sup>5, 6</sup> .....		-2.0		0.55	S-May.2018	-2.4
Sewing machines, fabric and supplies <sup>4, 5</sup> .....	0.023	-1.2	0.000	1.10	S-Aug.2018	-1.8
Music instruments and accessories <sup>4, 5</sup> .....	0.036	0.3	0.000	0.68	L-Aug.2018	1.6
Education and communication commodities <sup>11</sup> .....	0.546	-1.5	-0.008	0.36	S-EVER	—
Educational books and supplies.....	0.131	-0.8	-0.001	0.60	S-Aug.2018	-2.1
College textbooks <sup>4, 14, 6</sup> .....		0.4		0.58	L-Jul.2018	0.5
Information technology commodities <sup>11</sup> .....	0.415	-1.7	-0.007	0.43	S-Jun.2011	-1.7
Personal computers and peripheral equipment <sup>7</sup> .....	0.315	-1.6	-0.005	0.59	S-Jul.2018	-2.0
Computer software and accessories <sup>4, 5</sup> .....	0.024	0.2	0.000	1.10	L-Jul.2018	1.2
Telephone hardware, calculators, and other consumer information items <sup>4, 5</sup> .....	0.076	-2.5	-0.002	0.70	L-Aug.2018	-1.6
Alcoholic beverages.....	0.963	0.1	0.001	0.14	S-Aug.2018	0.0
Alcoholic beverages at home.....	0.598	0.1	0.001	0.22	S-Aug.2018	-0.1
Beer, ale, and other malt beverages at home.....	0.265	0.3	0.001	0.27	S-Aug.2018	0.0
Distilled spirits at home.....	0.080	-0.7	-0.001	0.37	S-Jun.2015	-1.0
Whiskey at home <sup>4, 6</sup> .....		0.1		0.54	L-Aug.2018	0.4
Distilled spirits, excluding whiskey, at home <sup>4, 6</sup> .....		-0.2		0.50	S-Jun.2018	-0.9
Wine at home.....	0.253	0.0	0.000	0.46	S-Aug.2018	-0.4
Alcoholic beverages away from home <sup>4</sup> .....	0.365	0.1	0.000	0.12	S-Aug.2018	0.1
Beer, ale, and other malt beverages away from home <sup>4, 5, 6</sup> .....		0.0		0.18	S-Aug.2018	-0.1
Wine away from home <sup>4, 5, 6</sup> .....		0.2		0.18	S-Jul.2018	0.2
Distilled spirits away from home <sup>4, 5, 6</sup> .....		0.1		0.15	S-Aug.2018	-0.4
Other goods <sup>11</sup> .....	1.545	-0.3	-0.005	0.16	S-Jun.2018	-0.4
Tobacco and smoking products.....	0.647	1.3	0.008	0.14	L-Apr.2018	1.3
Cigarettes <sup>5</sup> .....	0.573	1.4	0.008	0.15	L-Apr.2018	1.4
Tobacco products other than cigarettes <sup>4, 5</sup> .....	0.059	0.5	0.000	0.33	L-Aug.2018	1.0
Personal care products <sup>4</sup> .....	0.688	-0.2	-0.002	0.30	S-Jun.2018	-0.4
Hair, dental, shaving, and miscellaneous personal care products <sup>4, 5</sup> .....	0.381	-0.2	-0.001	0.37	S-Apr.2018	-0.6
Cosmetics, perfume, bath, nail preparations and implements <sup>4</sup> .....	0.301	-0.3	-0.001	0.45	S-Aug.2018	-0.5
Miscellaneous personal goods <sup>5</sup> .....	0.210	-5.6	-0.012	0.75	S-EVER	—
Stationery, stationery supplies, gift wrap <sup>6</sup> .....		-3.5		0.77	S-EVER	—
Infants' equipment <sup>4, 8, 6</sup> .....		-0.8		0.46	L-Aug.2018	0.0

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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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
Services less energy services.....	59.215	0.2	0.102	0.03	—	—
Shelter.....	32.893	0.2	0.065	0.04	—	—
Rent of shelter <sup>15</sup> .....	32.519	0.2	0.066	0.04	—	—
Rent of primary residence.....	7.825	0.2	0.017	0.03	—	—
Lodging away from home <sup>5</sup> .....	0.971	-2.1	-0.020	1.24	S-Jun.2018	-3.7
Housing at school, excluding board <sup>15</sup> .....	0.114	0.2	0.000	0.06	—	—
Other lodging away from home including hotels and motels.....	0.858	-2.4	-0.020	1.45	S-Jun.2018	-4.1
Owners' equivalent rent of residences <sup>15</sup> .....	23.723	0.3	0.068	0.03	L-Aug.2018	0.3
Owners' equivalent rent of primary residence <sup>15</sup> ..	22.399	0.3	0.064	0.03	L-Aug.2018	0.3
Tenants' and household insurance <sup>4, 5</sup> .....	0.374	-0.2	-0.001	0.13	S-Nov.2017	-0.2
Water and sewer and trash collection services <sup>5</sup> .....	1.079	0.3	0.003	0.05	L-Aug.2018	0.3
Water and sewerage maintenance.....	0.815	0.3	0.003	0.06	L-Jul.2018	0.3
Garbage and trash collection <sup>4, 13</sup> .....	0.265	0.3	0.001	0.07	L-Aug.2018	1.0
Household operations <sup>4, 5</sup> .....	0.870	0.0	0.000	0.32	—	—
Domestic services <sup>4, 5</sup> .....	0.297	0.0	0.000	0.04	L-Aug.2018	0.0
Gardening and lawncare services <sup>4, 5</sup> .....	0.291	0.1	0.000	0.05	L-Aug.2018	0.9
Moving, storage, freight expense <sup>5</sup> .....	0.101	0.5	0.001	1.97	S-Aug.2018	-0.6
Repair of household items <sup>4, 5</sup> .....	0.105	-0.6	-0.001	0.23	S-Aug.2018	-2.5
Medical care services.....	6.883	0.2	0.015	0.09	—	—
Professional services.....	3.239	0.2	0.007	0.10	—	—
Physicians' services.....	1.728	0.0	0.001	0.09	S-Aug.2018	-0.1
Dental services.....	0.780	0.3	0.003	0.11	—	—
Eyeglasses and eye care <sup>4, 9</sup> .....	0.316	0.0	0.000	0.31	—	—
Services by other medical professionals <sup>4, 9</sup> .....	0.415	0.1	0.000	0.09	L-Jun.2018	0.1
Hospital and related services.....	2.591	0.0	-0.001	0.12	L-Aug.2018	0.0
Hospital services <sup>16</sup> .....	2.312	0.0	-0.001	0.13	L-Jul.2018	0.4
Inpatient hospital services <sup>16, 6</sup> .....		-0.3		0.20	S-Aug.2018	-0.3
Outpatient hospital services <sup>9, 6</sup> .....		0.1		0.32	L-Jul.2018	0.4
Nursing homes and adult day services <sup>16</sup> .....	0.191	0.5	0.001	0.12	L-Aug.2018	0.6
Care of invalids and elderly at home <sup>4, 8</sup> .....	0.087	0.0	0.000	0.12	S-May 2018	-0.5
Health insurance <sup>4, 8</sup> .....	1.053	1.1	0.012	0.08	S-Aug.2018	-0.3
Transportation services.....	5.945	0.1	0.009	0.13	S-May 2018	0.0
Leased cars and trucks <sup>4, 14</sup> .....	0.655	-1.2	-0.008	0.39	S-Aug.2016	-1.7
Car and truck rental <sup>5</sup> .....	0.118	3.3	0.004	1.78	L-Jun.2017	7.0
Motor vehicle maintenance and repair <sup>4</sup> .....	1.117	0.2	0.002	0.15	S-Jul.2018	0.1
Motor vehicle body work <sup>4</sup> .....	0.055	0.7	0.000	0.11	L-Jan.2018	0.7
Motor vehicle maintenance and servicing <sup>4</sup> .....	0.628	0.2	0.002	0.24	S-Jul.2018	0.2
Motor vehicle repair <sup>4, 5</sup> .....	0.370	0.1	0.000	0.14	S-Jul.2018	0.0
Motor vehicle insurance.....	2.382	0.5	0.011	0.17	S-Aug.2018	0.0
Motor vehicle fees <sup>4, 5</sup> .....	0.539	0.1	0.000	0.12	L-Aug.2018	0.3
State motor vehicle registration and license fees <sup>4, 5</sup> .....	0.279	0.1	0.000	0.04	L-Aug.2018	0.4
Parking and other fees <sup>4, 5</sup> .....	0.243	0.0	0.000	0.22	S-Jun.2018	-0.7
Parking fees and tolls <sup>5, 6</sup> .....		0.2		0.16	S-Jul.2018	-0.2
Automobile service clubs <sup>4, 5, 6</sup> .....						
Public transportation.....	1.133	-0.1	-0.001	0.36	S-Jun.2018	-0.8
Airline fares.....	0.683	0.0	0.000	0.58	S-Jun.2018	-0.9
Other intercity transportation.....	0.166	-0.3	-0.001	0.56	S-Aug.2018	-1.5
Intercity bus fare <sup>4, 7, 6</sup> .....		-2.0		0.98	S-Aug.2018	-5.4
Intercity train fare <sup>4, 7, 6</sup> .....						
Ship fare <sup>4, 5, 6</sup> .....		0.1		0.82	S-Aug.2018	-0.8
Intracity transportation <sup>4</sup> .....	0.277	-0.3	-0.001	0.19	L-Aug.2018	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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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
Intracity mass transit <sup>4, 11, 6</sup> .....		-0.3		0.15	S-Jul.2017	-1.3
Recreation services <sup>11</sup> .....	3.850	0.0	0.002	0.16	S-Apr.2018	-0.4
Video and audio services <sup>11</sup> .....	1.587	-0.1	-0.001	0.15	S-Jun.2018	-0.1
Cable and satellite television service <sup>13</sup> .....	1.501	-0.3	-0.004	0.14	S-Apr.2018	-0.5
Video discs and other media, including rental of video <sup>7, 5</sup> .....	0.086	3.1	0.003	1.26	L-Jan.2018	3.9
Video discs and other media <sup>4, 5, 6</sup> .....		5.5		2.01	L-EVER	-
Rental of video discs and other media <sup>4, 5, 6</sup> .....		0.4		0.14	L-Jul.2018	0.4
Pet services including veterinary <sup>5</sup> .....	0.413	0.5	0.002	0.11	S-Aug.2018	-0.1
Pet services <sup>4, 5, 6</sup> .....		0.4		0.10	S-Aug.2018	-0.7
Veterinarian services <sup>5, 6</sup> .....		0.6		0.13	L-Jan.2018	0.6
Photographers and photo processing <sup>4, 5</sup> .....	0.038	-0.4	0.000	0.43	S-Mar.2018	-0.8
Photographer fees <sup>4, 5, 6</sup> .....						
Photo processing <sup>4, 5, 6</sup> .....		-1.4		0.65	S-Jan.2018	-4.1
Other recreation services <sup>5</sup> .....	1.810	0.1	0.001	0.29	S-Aug.2018	-0.3
Club membership for shopping clubs, fraternal, or other organizations, or participant sports fees <sup>4, 5</sup> .....	0.666	0.4	0.002	0.22	L-Aug.2018	0.5
Admissions.....	0.655	-0.5	-0.003	0.58	S-Aug.2018	-1.4
Admission to movies, theaters, and concerts <sup>7, 5, 6</sup> .....		0.0		0.46	L-Jul.2018	0.3
Admission to sporting events <sup>4, 5, 6</sup> .....		-1.5		1.79	S-Mar.2018	-3.4
Fees for lessons or instructions <sup>4, 9</sup> .....	0.217	0.7	0.002	0.34	S-Aug.2018	-0.2
Education and communication services <sup>11</sup> .....	6.062	0.0	-0.001	0.07	S-Apr.2018	0.0
Tuition, other school fees, and childcare.....	2.900	0.2	0.007	0.05	L-Aug.2018	0.7
College tuition and fees.....	1.607	0.6	0.010	0.06	L-Jan.2013	0.6
Elementary and high school tuition and fees.....	0.337	0.1	0.000	0.08	S-May 2018	0.1
Child care and nursery school <sup>12</sup> .....	0.804	-0.4	-0.003	0.09	S-Jan.2014	-0.4
Technical and business school tuition and fees <sup>5</sup> .....	0.032	0.7	0.000	0.11	L-Jul.2018	0.7
Postage and delivery services <sup>5</sup> .....	0.108	0.2	0.000	0.02	S-Aug.2018	0.2
Postage.....	0.094	0.2	0.000	0.00	-	-
Delivery services <sup>5</sup> .....	0.014	0.3	0.000	0.32	S-Aug.2018	0.2
Telephone services <sup>4, 5</sup> .....	2.266	-0.2	-0.005	0.12	S-Aug.2018	-0.4
Wireless telephone services <sup>4, 5</sup> .....	1.693	0.1	0.002	0.10	L-May 2018	0.1
Land-line telephone services <sup>4, 11</sup> .....	0.572	-1.1	-0.006	0.21	S-EVER	-
Internet services and electronic information providers <sup>5</sup> .....	0.780	-0.4	-0.003	0.29	S-Apr.2018	-0.7
Other personal services <sup>4, 11</sup> .....	1.632	0.5	0.008	0.11	L-Apr.2018	1.0
Personal care services <sup>4</sup> .....	0.623	0.6	0.003	0.13	L-Jun.2018	0.8
Haircuts and other personal care services <sup>4, 5</sup> .....	0.623	0.6	0.003	0.13	L-Jun.2018	0.8
Miscellaneous personal services.....	1.009	0.5	0.005	0.11	L-Apr.2018	1.3
Legal services <sup>4, 9</sup> .....	0.304	0.6	0.002	0.07	L-Mar.2018	0.6
Funeral expenses <sup>4, 9</sup> .....	0.127	0.2	0.000	0.09	L-Aug.2018	0.3
Laundry and dry cleaning services <sup>4, 5</sup> .....	0.238	0.6	0.001	0.16	L-Jun.2016	0.6
Apparel services other than laundry and dry cleaning <sup>4, 5</sup> .....	0.029	0.4	0.000	0.21	L-Aug.2018	0.7
Financial services <sup>9</sup> .....	0.240	0.5	0.001	0.32	L-Apr.2018	4.6
Checking account and other bank services <sup>4, 5, 6</sup> .....		-0.1		0.02	S-Nov.2016	-0.1
Tax return preparation and other accounting fees <sup>7, 6</sup> .....		0.7		0.33	L-Apr.2018	7.9
<b>Special aggregate indexes</b>						
All items less food.....	86.765	0.4	0.341	0.03	L-Jan.2018	0.6

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 2018, 1-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	One Month				
		Seasonally adjusted percent change Sep. 2018-Oct. 2018	Seasonally adjusted effect on All Items Sep. 2018-Oct. 2018 <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 less shelter.....	67.107	0.4	0.266	0.03	L-Jan.2018	0.7
All items less food and shelter.....	53.872	0.5	0.276	0.04	L-Jan.2018	0.8
All items less food, shelter, and energy.....	45.840	0.2	0.087	0.05	L-Jul.2018	0.2
All items less food, shelter, energy, and used cars and trucks.....	43.512	0.1	0.026	0.05	S-Aug.2018	-0.1
All items less medical care.....	91.408	0.3	0.316	0.03	L-Aug.2018	0.3
All items less energy.....	91.969	0.2	0.142	0.03	L-Jul.2018	0.2
Commodities.....	37.384	0.5	0.180	0.05	L-Jan.2018	1.0
Commodities less food, energy, and used cars and trucks.....	17.190	0.0	-0.005	0.09	S-Aug.2018	-0.4
Commodities less food.....	24.149	0.8	0.190	0.07	L-Jan.2018	1.4
Commodities less food and beverages.....	23.186	0.8	0.189	0.07	L-Jan.2018	1.4
Services.....	62.616	0.3	0.157	0.03	L-Jul.2018	0.3
Services less rent of shelter <sup>15</sup> .....	30.097	0.3	0.090	0.05	L-Feb.2018	0.5
Services less medical care services.....	55.733	0.3	0.147	0.04	L-Aug.2018	0.3
Durables.....	9.841	0.4	0.040	0.08	L-Jul.2018	0.5
Nondurables.....	27.543	0.4	0.121	0.07	L-May 2018	0.7
Nondurables less food.....	14.308	0.8	0.115	0.11	L-May 2018	1.1
Nondurables less food and beverages.....	13.345	0.9	0.114	0.12	L-May 2018	1.2
Nondurables less food, beverages, and apparel.....	10.231	1.2	0.127	0.09	L-Aug.2018	1.3
Nondurables less food and apparel.....	11.194	1.1	0.127	0.08	L-Aug.2018	1.1
Housing.....	41.773	0.3	0.141	0.04	L-Aug.2018	0.3
Education and communication <sup>5</sup> .....	6.608	-0.1	-0.009	0.07	S-Mar.2018	-0.2
Education <sup>5</sup> .....	3.030	0.2	0.006	0.06	L-Aug.2018	0.5
Communication <sup>5</sup> .....	3.577	-0.4	-0.015	0.11	S-Feb.2018	-0.6
Information and information processing <sup>5</sup> .....	3.470	-0.4	-0.015	0.12	S-Feb.2018	-0.6
Information technology, hardware and services <sup>17</sup> .....	1.204	-0.8	-0.010	0.25	S-Mar.2018	-0.8
Recreation <sup>5</sup> .....	5.641	-0.1	-0.006	0.11	S-Aug.2018	-0.1
Video and audio <sup>5</sup> .....	1.818	-0.1	-0.003	0.15	S-Jun.2018	-0.1
Pets, pet products and services <sup>5</sup> .....	1.012	0.2	0.002	0.16	S-Aug.2018	-0.1
Photography <sup>5</sup> .....	0.073	0.7	0.000	0.41	L-Aug.2018	0.9
Food and beverages.....	14.198	-0.1	-0.009	0.06	S-May 2016	-0.1
Domestically produced farm food.....	6.061	-0.3	-0.021	0.11	S-Jul.2016	-0.3
Other services.....	11.544	0.1	0.010	0.06	S-Aug.2018	0.1
Apparel less footwear.....	2.441	0.2	0.004	0.45	S-Aug.2018	-1.9
Fuels and utilities.....	4.674	1.3	0.062	0.06	L-Mar.2014	1.5
Household energy.....	3.594	1.7	0.059	0.08	L-Mar.2014	1.9
Medical care.....	8.592	0.2	0.014	0.09	—	—
Transportation.....	16.896	1.1	0.193	0.06	L-Jan.2018	1.8
Private transportation.....	15.763	1.2	0.194	0.06	L-Jan.2018	2.0
New and used motor vehicles <sup>5</sup> .....	6.910	0.7	0.049	0.10	L-Jul.2018	0.7
Utilities and public transportation.....	9.381	0.5	0.050	0.07	L-Feb.2018	0.8
Household furnishings and operations.....	4.206	0.3	0.014	0.16	L-Jul.2018	0.3
Other goods and services.....	3.177	0.2	0.005	0.10	L-Apr.2018	0.8
Personal care <sup>4</sup> .....	2.530	-0.1	-0.003	0.13	S-Aug.2018	-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)mall 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> 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.



**Table 7. Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, by expenditure category, October 2018, 12-month analysis table**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017- Oct. 2018	Unadjusted effect on All Items Oct. 2017- Oct. 2018 <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	2.5		0.07	L-Aug.2018	2.7
Food.....	13.235	1.2	0.159	0.10	S-May 2018	1.2
Food at home.....	7.256	0.1	0.009	0.16	S-May 2018	0.1
Cereals and bakery products.....	0.955	0.5	0.005	0.30	S-Aug.2018	0.3
Cereals and cereal products.....	0.310	-1.2	-0.004	0.62	S-Feb.2018	-1.3
Flour and prepared flour mixes.....	0.041	-1.7	-0.001	0.99	S-Sep.2017	-2.1
Breakfast cereal.....	0.150	-1.7	-0.003	0.85	S-Jul.2018	-2.5
Rice, pasta, cornmeal.....	0.120	-0.5	-0.001	1.11	S-Jan.2018	-2.0
Rice <sup>4, 5</sup> .....		-0.5		1.35	S-Mar.2018	-0.5
Bakery products.....	0.645	1.3	0.009	0.37	L-Nov.2015	1.8
Bread <sup>4</sup> .....	0.189	1.5	0.003	0.66	L-Nov.2015	2.2
White bread <sup>5</sup> .....		1.6		0.89	L-Nov.2015	1.7
Bread other than white <sup>5</sup> .....		1.5		0.89	L-Jul.2018	2.2
Fresh biscuits, rolls, muffins <sup>4</sup> .....	0.092	1.7	0.002	1.07	S-Jul.2018	1.6
Cakes, cupcakes, and cookies.....	0.161	2.2	0.004	0.68	L-Jun.2018	2.3
Cookies <sup>5</sup> .....		1.2		1.14	L-Jun.2018	2.1
Fresh cakes and cupcakes <sup>5</sup> .....		2.7		1.11	L-Apr.2018	2.7
Other bakery products.....	0.203	0.3	0.000	0.71	L-Sep.2017	1.5
Fresh sweetrolls, coffeecakes, doughnuts <sup>5</sup> .....		2.9		1.16	L-Jul.2018	3.6
Crackers, bread, and cracker products <sup>5</sup> .....		-1.1		1.24	L-Aug.2018	-0.3
Frozen and refrigerated bakery products, pies, tarts, turnovers <sup>5</sup> .....		0.7		1.15	L-Jun.2018	0.9
Meats, poultry, fish, and eggs.....	1.600	-0.2	-0.003	0.33	S-Jun.2017	-0.9
Meats, poultry, and fish.....	1.507	-0.4	-0.006	0.32	S-May 2017	-1.3
Meats.....	0.945	-1.2	-0.012	0.39	S-May 2017	-2.2
Beef and veal.....	0.430	0.6	0.003	0.49	S-Jul.2018	0.1
Uncooked ground beef.....	0.170	-1.9	-0.003	0.81	L-Aug.2018	-1.2
Uncooked beef roasts <sup>4</sup> .....	0.062	1.5	0.001	1.39	S-Nov.2017	0.5
Uncooked beef steaks <sup>4</sup> .....	0.161	2.0	0.003	0.91	S-Aug.2018	1.4
Uncooked other beef and veal <sup>4</sup> .....	0.037	5.8	0.002	1.30	L-Apr.2018	6.2
Pork.....	0.298	-3.5	-0.012	0.79	S-Jan.2017	-3.5
Bacon, breakfast sausage, and related products <sup>4</sup> .....	0.134	-5.2	-0.008	1.01	S-Nov.2016	-5.4
Bacon and related products <sup>5</sup> .....		-7.6		1.31	L-Aug.2018	-5.9
Breakfast sausage and related products <sup>4, 5</sup> .....		-1.4		1.67	S-Aug.2017	-1.4
Ham.....	0.055	-4.8	-0.003	1.82	S-Jan.2017	-4.8
Ham, excluding canned <sup>5</sup> .....		-4.3		2.30	S-Jan.2017	-5.2
Pork chops.....	0.044	2.9	0.001	1.89	S-Jul.2018	2.3
Other pork including roasts, steaks, and ribs <sup>4</sup> .....	0.065	-3.1	-0.002	1.73	S-Aug.2017	-4.4
Other meats.....	0.217	-1.7	-0.004	0.83	S-Jul.2018	-1.8
Frankfurters <sup>5</sup> .....		-2.9		2.43	S-Feb.2017	-5.3
Lunchmeats <sup>4, 5</sup> .....		-1.7		0.83	S-Jul.2018	-2.3
Lamb and organ meats <sup>5</sup> .....						
Lamb and mutton <sup>4, 5</sup> .....						
Poultry.....	0.312	-0.3	-0.001	0.72	L-Aug.2018	0.0
Chicken <sup>4</sup> .....	0.256	0.7	0.002	0.84	L-Jul.2018	1.8
Fresh whole chicken <sup>5</sup> .....		0.8		1.94	S-Dec.2017	-0.2
Fresh and frozen chicken parts <sup>5</sup> .....		0.9		0.99	L-Jul.2018	2.0
Other uncooked poultry including turkey <sup>4</sup> .....	0.056	-4.9	-0.003	1.44	S-Mar.2018	-5.3
Fish and seafood.....	0.250	2.8	0.007	0.84	L-Aug.2018	3.3
Fresh fish and seafood <sup>4</sup> .....	0.128	4.1	0.005	1.17	L-Aug.2018	4.4
Processed fish and seafood <sup>4</sup> .....	0.122	1.5	0.002	0.98	S-Jul.2018	0.9
Shelf stable fish and seafood <sup>5</sup> .....		5.0		1.31	L-Aug.2018	5.4

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 2018, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017-Oct. 2018	Unadjusted effect on All Items Oct. 2017-Oct. 2018 <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> .....		0.0		1.50	S-Jul.2018	-1.8
Eggs.....	0.093	2.8	0.003	1.47	S-Jan.2018	2.5
Dairy and related products.....	0.726	-0.2	-0.001	0.40	S-Jul.2018	-0.4
Milk <sup>4</sup> .....	0.198	-0.4	-0.001	0.70	L-Aug.2017	-0.3
Fresh whole milk <sup>5</sup> .....		0.2		1.68	L-Jul.2017	1.2
Fresh milk other than whole <sup>4, 5</sup> .....		-0.3		0.99	—	—
Cheese and related products.....	0.237	-1.0	-0.003	0.68	S-Jan.2017	-1.6
Ice cream and related products.....	0.104	1.5	0.002	0.96	L-Feb.2017	2.0
Other dairy and related products <sup>4</sup> .....	0.186	0.2	0.000	0.82	L-Aug.2018	0.7
Fruits and vegetables.....	1.280	-0.4	-0.005	0.43	S-May 2018	-0.4
Fresh fruits and vegetables.....	1.009	-0.5	-0.005	0.53	S-Mar.2017	-2.2
Fresh fruits.....	0.547	-1.5	-0.009	0.68	S-Feb.2017	-4.3
Apples.....	0.076	-5.0	-0.004	1.75	L-Jul.2018	-4.9
Bananas.....	0.080	3.1	0.002	1.03	S-Aug.2018	0.5
Citrus fruits <sup>4</sup> .....	0.169	0.1	0.000	1.42	S-May 2017	0.0
Oranges, including tangerines <sup>5</sup> .....		-6.9		2.18	S-Jul.2008	-8.0
Other fresh fruits <sup>4</sup> .....	0.222	-2.8	-0.007	1.05	S-Apr.2018	-2.8
Fresh vegetables.....	0.462	0.7	0.004	0.84	S-Jun.2018	-0.8
Potatoes.....	0.077	0.9	0.001	2.08	L-Aug.2018	1.3
Lettuce.....	0.058	-0.5	0.000	2.35	S-Jun.2018	-7.2
Tomatoes.....	0.076	-0.7	0.000	1.67	S-Oct.2017	-4.3
Other fresh vegetables.....	0.252	1.4	0.004	1.20	L-Feb.2018	1.9
Processed fruits and vegetables <sup>4</sup> .....	0.271	-0.1	0.000	0.69	S-Jul.2018	-1.0
Canned fruits and vegetables <sup>4</sup> .....	0.149	1.7	0.003	0.87	S-Aug.2018	1.1
Canned fruits <sup>4, 5</sup> .....		0.6		1.19	L-Mar.2017	0.7
Canned vegetables <sup>4, 5</sup> .....		2.4		1.24	S-Aug.2018	2.4
Frozen fruits and vegetables <sup>4</sup> .....	0.078	-2.6	-0.002	1.35	S-Aug.2018	-2.9
Frozen vegetables <sup>5</sup> .....		-3.5		1.67	S-Jun.2018	-4.5
Other processed fruits and vegetables including dried <sup>4</sup> .....	0.044	-1.4	-0.001	1.42	S-Mar.2018	-3.6
Dried beans, peas, and lentils <sup>4, 5</sup> .....		-3.8		2.11	S-Mar.2018	-4.0
Nonalcoholic beverages and beverage materials.....	0.865	0.9	0.008	0.43	L-May 2017	0.9
Juices and nonalcoholic drinks <sup>4</sup> .....	0.613	1.8	0.011	0.53	L-Sep.2015	1.8
Carbonated drinks.....	0.257	2.6	0.006	0.87	L-Apr.2016	3.0
Frozen noncarbonated juices and drinks <sup>4</sup> .....	0.008	0.2	0.000	1.12	L-Jun.2018	0.8
Nonfrozen noncarbonated juices and drinks <sup>4</sup> .....	0.347	1.2	0.004	0.64	L-Oct.2015	2.4
Beverage materials including coffee and tea <sup>4</sup> .....	0.252	-1.2	-0.003	0.77	S-Jul.2018	-1.5
Coffee.....	0.162	-1.7	-0.003	1.09	L-Aug.2018	-0.9
Roasted coffee <sup>5</sup> .....		-1.9		1.60	S-Jul.2018	-3.0
Instant coffee <sup>5</sup> .....		-3.3		1.65	L-Dec.2017	0.2
Other beverage materials including tea <sup>4</sup> .....	0.090	-0.2	0.000	1.01	S-Jun.2018	-0.5
Other food at home.....	1.831	0.3	0.006	0.31	L-Feb.2018	0.6
Sugar and sweets.....	0.278	0.3	0.001	0.70	S-Aug.2018	-1.0
Sugar and artificial sweeteners.....	0.043	-1.4	-0.001	0.87	S-Apr.2017	-4.2
Candy and chewing gum <sup>4</sup> .....	0.182	1.6	0.003	0.91	L-Feb.2018	2.1
Other sweets <sup>4</sup> .....	0.054	-2.6	-0.001	1.22	S-EVER	—
Fats and oils.....	0.215	-0.4	-0.001	0.61	S-Jul.2018	-0.5
Butter and margarine <sup>4</sup> .....	0.061	-0.2	0.000	1.16	—	—
Butter <sup>5</sup> .....		0.6		1.57	L-Jul.2018	1.2
Margarine <sup>5</sup> .....		-0.9		1.43	S-Aug.2018	-1.9
Salad dressing <sup>4</sup> .....	0.052	0.5	0.000	1.37	L-Nov.2017	1.4
Other fats and oils including peanut butter <sup>4</sup> .....	0.101	-1.0	-0.001	0.92	S-Feb.2017	-1.3
Peanut butter <sup>4, 5</sup> .....		1.6		1.06	L-Aug.2018	4.4
Other foods.....	1.338	0.5	0.007	0.36	L-Nov.2017	0.7

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 2018, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017- Oct. 2018	Unadjusted effect on All Items Oct. 2017- Oct. 2018 <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.....	0.080	-1.6	-0.001	1.65	L-Aug.2018	0.4
Frozen and freeze dried prepared foods.....	0.233	-0.5	-0.001	0.89	S-Jul.2018	-1.0
Snacks.....	0.312	1.5	0.005	0.82	S-Aug.2018	0.3
Spices, seasonings, condiments, sauces.....	0.271	1.5	0.004	0.79	L-Dec.2017	1.5
Salt and other seasonings and spices <sup>4, 5</sup> .....		2.8		1.40	L-Feb.2018	2.9
Olives, pickles, relishes <sup>4, 5</sup> .....						
Sauces and gravies <sup>4, 5</sup> .....		1.5		1.16	S-Aug.2018	0.9
Other condiments <sup>5</sup> .....		0.1		1.74	S-Aug.2018	-1.9
Baby food <sup>4</sup> .....	0.049	3.6	0.002	1.16	L-Jun.2012	4.8
Other miscellaneous foods <sup>4</sup> .....	0.392	-0.5	-0.002	0.51	L-Aug.2018	0.3
Prepared salads <sup>6, 5</sup> .....		-0.6		1.26	S-Jul.2018	-0.7
Food away from home.....	5.979	2.5	0.151	0.10	S-Apr.2018	2.5
Full service meals and snacks <sup>4</sup> .....	2.969	2.3	0.069	0.13	—	—
Limited service meals and snacks <sup>4</sup> .....	2.542	2.4	0.061	0.18	S-Aug.2017	2.4
Food at employee sites and schools <sup>4</sup> .....	0.181	4.9	0.009	0.63	L-Jul.2018	7.8
Food at elementary and secondary schools <sup>7, 5</sup> .....		6.0		0.52	L-Aug.2016	12.0
Food from vending machines and mobile vendors <sup>4</sup> .....	0.091	4.0	0.004	1.49	L-Nov.2016	4.3
Other food away from home <sup>4</sup> .....	0.196	4.0	0.008	0.53	S-Mar.2018	2.2
Energy.....	8.031	8.9	0.672	0.11	L-Aug.2018	10.2
Energy commodities.....	4.630	16.3	0.670	0.17	L-Aug.2018	20.4
Fuel oil and other fuels.....	0.193	17.1	0.031	0.91	L-Aug.2018	20.1
Fuel oil.....	0.119	26.2	0.027	1.08	L-Aug.2018	30.9
Propane, kerosene, and firewood <sup>6</sup> .....	0.074	4.7	0.004	1.58	S-Dec.2016	2.8
Motor fuel.....	4.437	16.2	0.639	0.18	L-Aug.2018	20.3
Gasoline (all types).....	4.344	16.1	0.623	0.18	L-Aug.2018	20.3
Gasoline, unleaded regular <sup>5</sup> .....		16.2		0.94	L-Aug.2018	20.6
Gasoline, unleaded midgrade <sup>9, 5</sup> .....		15.6		0.78	L-Aug.2018	18.5
Gasoline, unleaded premium <sup>5</sup> .....		15.2		0.79	L-Aug.2018	18.1
Other motor fuels <sup>4</sup> .....	0.094	20.0	0.015	0.28	L-Aug.2018	25.9
Energy services.....	3.401	0.1	0.002	0.15	L-May 2018	0.6
Electricity.....	2.655	0.7	0.017	0.18	L-May 2018	1.0
Utility (piped) gas service.....	0.747	-2.1	-0.016	0.22	S-Jun.2018	-2.1
All items less food and energy.....	78.734	2.1	1.692	0.08	S-Apr.2018	2.1
Commodities less food and energy commodities.....	19.519	-0.1	-0.005	0.19	L-Jul.2018	0.0
Household furnishings and supplies <sup>10</sup> .....	3.336	0.7	0.025	0.33	L-Apr.2012	0.7
Window and floor coverings and other linens <sup>4</sup> .....	0.258	0.7	0.002	1.10	L-Jan.2001	0.8
Floor coverings <sup>4</sup> .....	0.055	2.9	0.002	1.56	S-Aug.2018	2.5
Window coverings <sup>4</sup> .....	0.045	-4.9	-0.002	2.47	L-Aug.2018	-4.5
Other linens <sup>4</sup> .....	0.158	1.6	0.003	1.79	L-Jan.2018	1.8
Furniture and bedding.....	0.883	1.3	0.012	0.84	L-Oct.2012	1.6
Bedroom furniture.....	0.323	1.1	0.004	1.05	L-Sep.2017	1.4
Living room, kitchen, and dining room furniture <sup>4</sup> .....	0.426	1.8	0.008	1.41	S-Aug.2018	0.7
Other furniture <sup>4</sup> .....	0.123	-0.1	0.000	1.58	L-Jun.2017	0.4
Infants' furniture <sup>7, 5</sup> .....		-6.0		2.26	S-Jan.2018	-11.9
Appliances <sup>4</sup> .....	0.216	4.9	0.011	1.10	L-EVER	—
Major appliances <sup>4</sup> .....	0.080	8.1	0.006	1.29	L-Jul.2018	8.5
Laundry equipment <sup>5</sup> .....		9.9		2.84	S-May 2018	8.4
Other appliances <sup>4</sup> .....	0.133	3.2	0.005	1.52	L-Sep.2009	4.4
Other household equipment and furnishings <sup>4</sup> .....	0.491	-2.6	-0.014	1.03	L-Mar.2016	-2.5
Clocks, lamps, and decorator items.....	0.266	-4.0	-0.013	1.64	L-Apr.2016	-3.9
Indoor plants and flowers <sup>11</sup> .....	0.092	3.4	0.003	1.28	L-Jul.2017	5.2
Dishes and flatware <sup>4</sup> .....	0.053	-8.1	-0.005	3.20	L-May 2018	-3.4
Nonelectric cookware and tableware <sup>4</sup> .....	0.080	-0.5	0.000	1.49	L-May 2018	0.0

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 2018, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017- Oct. 2018	Unadjusted effect on All Items Oct. 2017- Oct. 2018 <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> . . .	0.659	0.4	0.003	0.70	S-Aug.2018	0.1
Tools, hardware and supplies <sup>4</sup> . . . . .	0.196	0.4	0.001	0.81	S-Aug.2018	0.1
Outdoor equipment and supplies <sup>4</sup> . . . . .	0.304	0.4	0.001	0.92	S-Aug.2018	0.2
Housekeeping supplies . . . . .	0.829	1.3	0.011	0.43	—	—
Household cleaning products <sup>4</sup> . . . . .	0.329	1.8	0.006	0.62	S-Aug.2018	1.8
Household paper products <sup>4</sup> . . . . .	0.219	0.6	0.001	0.83	L-Aug.2018	1.0
Miscellaneous household products <sup>4</sup> . . . . .	0.281	1.3	0.004	0.88	L-Apr.2018	1.9
Apparel . . . . .	3.114	-0.4	-0.004	0.79	L-Jul.2018	0.3
Men's and boys' apparel . . . . .	0.762	2.3	0.019	1.43	L-Jun.2013	3.1
Men's apparel . . . . .	0.593	0.5	0.003	1.68	L-Jul.2018	0.8
Men's suits, sport coats, and outerwear . . . . .	0.107	-4.0	-0.003	2.87	L-Jul.2018	-0.8
Men's furnishings . . . . .	0.156	1.7	0.001	3.59	S-Jun.2018	-0.7
Men's shirts and sweaters <sup>4</sup> . . . . .	0.172	2.7	0.005	2.21	L-Apr.2018	3.9
Men's pants and shorts . . . . .	0.150	-0.5	0.000	2.81	S-Aug.2018	-3.2
Boys' apparel . . . . .	0.170	8.9	0.016	3.18	L-Jun.2018	10.2
Women's and girls' apparel . . . . .	1.288	-2.2	-0.023	1.21	S-Aug.2018	-2.9
Women's apparel . . . . .	1.103	-2.5	-0.021	1.32	S-Aug.2018	-2.9
Women's outerwear . . . . .	0.080	-5.5	-0.003	4.56	S-Aug.2018	-10.3
Women's dresses . . . . .	0.144	2.1	0.001	3.98	S-Jul.2018	0.2
Women's suits and separates <sup>4</sup> . . . . .	0.574	-2.5	0.000	1.77	L-Jul.2018	-1.6
Women's underwear, nightwear, sportswear and accessories <sup>4</sup> . . . . .	0.293	-5.1	-0.019	2.05	S-Jun.2007	-5.5
Girls' apparel . . . . .	0.185	-0.5	-0.002	2.99	L-May 2018	2.8
Footwear . . . . .	0.673	-0.7	-0.004	1.29	L-Aug.2018	0.3
Men's footwear . . . . .	0.217	0.9	0.002	2.00	S-Jun.2018	-0.9
Boys' and girls' footwear . . . . .	0.161	-1.3	-0.002	2.35	S-Feb.2018	-2.1
Women's footwear . . . . .	0.295	-1.6	-0.005	1.69	L-Mar.2018	1.1
Infants' and toddlers' apparel . . . . .	0.140	4.0	0.005	2.57	L-Aug.2018	5.2
Jewelry and watches <sup>8</sup> . . . . .	0.251	-0.9	0.000	4.64	L-Jul.2018	0.1
Watches <sup>8</sup> . . . . .	0.099	7.3	0.009	10.80	L-Mar.2018	7.8
Jewelry <sup>8</sup> . . . . .	0.152	-6.2	-0.009	4.96	S-EVER	—
Transportation commodities less motor fuel <sup>10</sup> . . . . .	6.514	0.6	0.032	0.19	L-Aug.2018	0.8
New vehicles . . . . .	3.695	0.5	0.016	0.33	—	—
New cars and trucks <sup>4, 5</sup> . . . . .		0.5		0.39	—	—
New cars <sup>5</sup> . . . . .		1.2		0.39	L-Jan.2013	1.4
New trucks <sup>12, 5</sup> . . . . .		-0.1		0.52	S-Jun.2018	-0.4
Used cars and trucks . . . . .	2.329	0.4	0.009	0.09	L-Aug.2018	1.3
Motor vehicle parts and equipment . . . . .	0.378	1.2	0.005	0.70	L-Nov.2012	1.5
Tires . . . . .	0.222	0.0	0.000	1.03	L-Apr.2016	0.1
Vehicle accessories other than tires <sup>4</sup> . . . . .	0.155	3.1	0.005	0.75	S-Jul.2018	2.7
Vehicle parts and equipment other than tires <sup>5</sup> . . . . .		3.0		0.80	L-Aug.2018	3.3
Motor oil, coolant, and fluids <sup>5</sup> . . . . .		2.0		1.08	S-Mar.2018	1.3
Medical care commodities . . . . .	1.710	0.7	0.013	0.69	—	—
Medicinal drugs <sup>10</sup> . . . . .	1.653	0.7	0.012	0.71	—	—
Prescription drugs . . . . .	1.316	0.8	0.011	0.87	S-Aug.2018	0.8
Nonprescription drugs <sup>10</sup> . . . . .	0.336	0.2	0.001	0.77	L-Mar.2018	0.2
Medical equipment and supplies <sup>10</sup> . . . . .	0.057	1.7	0.001	0.90	L-Jan.2013	1.9
Recreation commodities <sup>10</sup> . . . . .	1.792	-3.5	-0.064	0.43	S-Feb.2018	-3.5
Video and audio products <sup>10</sup> . . . . .	0.231	-13.1	-0.032	1.38	L-Aug.2018	-12.8
Televisions . . . . .	0.105	-17.8	-0.021	1.88	L-May 2018	-17.0
Other video equipment <sup>4</sup> . . . . .	0.027	-3.8	-0.001	1.71	S-Jul.2018	-5.0
Audio equipment . . . . .	0.043	-11.9	-0.006	2.38	L-Nov.2017	-11.5
Recorded music and music subscriptions <sup>4</sup> . . . . .	0.048	-5.7	-0.003	7.26	S-Oct.2016	-7.9
Pets and pet products . . . . .	0.600	0.9	0.006	0.54	S-Aug.2018	0.4

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 2018, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017- Oct. 2018	Unadjusted effect on All Items Oct. 2017- Oct. 2018 <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> .....		0.6		0.69	L-Sep.2016	1.1
Purchase of pets, pet supplies, accessories <sup>4, 5</sup> .....		1.5		1.01	S-Jul.2018	0.6
Sporting goods.....	0.488	-1.8	-0.009	0.81	S-Oct.2017	-1.9
Sports vehicles including bicycles.....	0.278	0.0	0.000	1.23	S-Jan.2018	-1.0
Sports equipment.....	0.203	-4.0	-0.008	1.05	S-May 2017	-4.4
Photographic equipment and supplies.....	0.033	-4.8	-0.002	2.01	L-May 2018	-0.8
Film and photographic supplies <sup>4, 5</sup> .....						
Photographic equipment <sup>4, 5</sup> .....		-4.2		2.74	L-May 2018	-0.2
Recreational reading materials.....	0.113	4.9	0.006	1.35	L-Jul.2009	5.1
Newspapers and magazines <sup>4</sup> .....	0.069	8.6	0.006	1.97	L-EVER	-
Recreational books <sup>4</sup> .....	0.044	-0.4	0.000	1.67	S-Mar.2018	-2.0
Other recreational goods <sup>4</sup> .....	0.327	-9.2	-0.033	0.98	S-EVER	-
Toys.....	0.256	-10.9	-0.031	1.11	S-Jan.2003	-10.9
Toys, games, hobbies and playground equipment <sup>4, 5</sup> .....		-11.3		1.57	S-EVER	-
Sewing machines, fabric and supplies <sup>4</sup> .....	0.023	-2.1	-0.001	2.69	S-May 2017	-8.0
Music instruments and accessories <sup>4</sup> .....	0.036	-1.0	0.000	1.50	-	-
Education and communication commodities <sup>10</sup> .....	0.546	-3.3	-0.019	0.97	S-Jul.2018	-4.0
Educational books and supplies.....	0.131	0.7	0.001	1.91	S-Apr.2018	0.4
College textbooks <sup>13, 5</sup> .....		2.4		1.65	S-Aug.2018	0.5
Information technology commodities <sup>10</sup> .....	0.415	-4.5	-0.020	1.04	S-Aug.2018	-4.5
Personal computers and peripheral equipment <sup>6</sup> .....	0.315	-4.0	-0.012	1.24	S-Aug.2018	-4.4
Computer software and accessories <sup>4</sup> .....	0.024	-3.7	-0.002	3.43	S-Aug.2018	-3.7
Telephone hardware, calculators, and other consumer information items <sup>4</sup> .....	0.076	-6.6	-0.005	1.41	S-Nov.2017	-6.7
Alcoholic beverages.....	0.963	1.7	0.016	0.29	L-Jun.2018	1.7
Alcoholic beverages at home.....	0.598	1.2	0.007	0.43	L-Jul.2018	1.2
Beer, ale, and other malt beverages at home.....	0.265	1.6	0.004	0.52	L-Jun.2018	1.9
Distilled spirits at home.....	0.080	-0.5	0.000	0.73	S-Jun.2018	-0.5
Whiskey at home <sup>5</sup> .....		-2.2		0.99	S-May 2018	-2.8
Distilled spirits, excluding whiskey, at home <sup>5</sup> .....		0.3		1.03	S-Aug.2018	0.2
Wine at home.....	0.253	1.3	0.003	0.81	S-Aug.2018	1.1
Alcoholic beverages away from home.....	0.365	2.5	0.009	0.32	-	-
Beer, ale, and other malt beverages away from home <sup>4, 5</sup> .....		2.1		0.63	S-Aug.2018	1.5
Wine away from home <sup>4, 5</sup> .....		3.3		0.58	S-Aug.2018	3.1
Distilled spirits away from home <sup>4, 5</sup> .....		2.1		0.77	L-Jul.2018	2.1
Other goods <sup>10</sup> .....	1.545	-0.3	-0.004	0.34	S-EVER	-
Tobacco and smoking products.....	0.647	3.2	0.021	0.44	-	-
Cigarettes <sup>4</sup> .....	0.573	3.2	0.019	0.43	-	-
Tobacco products other than cigarettes <sup>4</sup> .....	0.059	2.7	0.002	1.18	S-Nov.2016	2.2
Personal care products.....	0.688	-0.4	-0.002	0.54	S-Dec.2017	-0.8
Hair, dental, shaving, and miscellaneous personal care products <sup>4</sup> .....	0.381	0.1	0.001	0.81	S-Jul.2018	-0.3
Cosmetics, perfume, bath, nail preparations and implements.....	0.301	-1.1	-0.003	0.85	S-Sep.2017	-1.3
Miscellaneous personal goods <sup>4</sup> .....	0.210	-10.2	-0.022	1.81	S-EVER	-
Stationery, stationery supplies, gift wrap <sup>5</sup> .....		-6.5		1.51	S-EVER	-
Infants' equipment <sup>7, 5</sup> .....		-9.4		1.28	S-Feb.2017	-9.5
Services less energy services.....	59.215	2.9	1.697	0.09	S-Apr.2018	2.9
Shelter.....	32.893	3.2	1.041	0.10	S-Feb.2018	3.1
Rent of shelter <sup>14</sup> .....	32.519	3.2	1.034	0.10	S-Feb.2018	3.1
Rent of primary residence.....	7.825	3.6	0.278	0.11	-	-
Lodging away from home <sup>4</sup> .....	0.971	-2.4	-0.018	2.03	S-Jul.2017	-2.4

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 2018, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017- Oct. 2018	Unadjusted effect on All Items Oct. 2017- Oct. 2018 <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>14</sup> .....	0.114	2.6	0.003	0.29	L-Jul.2017	2.8
Other lodging away from home including hotels and motels.....	0.858	-3.3	-0.021	2.37	S-Feb.2010	-4.8
Owners' equivalent rent of residences <sup>14</sup> .....	23.723	3.3	0.774	0.10	—	—
Owners' equivalent rent of primary residence <sup>14</sup> ..	22.399	3.3	0.733	0.10	—	—
Tenants' and household insurance <sup>4</sup> .....	0.374	1.8	0.007	0.37	L-Dec.2015	1.9
Water and sewer and trash collection services <sup>4</sup> .....	1.079	3.6	0.039	0.20	—	—
Water and sewerage maintenance.....	0.815	3.3	0.027	0.24	L-Aug.2018	3.4
Garbage and trash collection <sup>12</sup> .....	0.265	4.5	0.012	0.38	S-Jul.2018	3.8
Household operations <sup>4</sup> .....	0.870	4.7	0.040	0.99	S-Jan.2018	4.0
Domestic services <sup>4</sup> .....	0.297	2.1	0.006	0.41	—	—
Gardening and lawn care services <sup>4</sup> .....	0.291	8.9	0.024	0.51	L-Aug.2018	8.9
Moving, storage, freight expense <sup>4</sup> .....	0.101	1.8	0.002	4.54	S-Sep.2017	-0.7
Repair of household items <sup>4</sup> .....	0.105	4.1	0.004	0.81	S-Feb.2017	4.1
Medical care services.....	6.883	1.9	0.135	0.32	S-Aug.2018	1.9
Professional services.....	3.239	0.8	0.028	0.38	S-Aug.2018	0.8
Physicians' services.....	1.728	0.4	0.007	0.62	S-Aug.2018	0.3
Dental services.....	0.780	2.3	0.018	0.50	L-Jul.2018	3.1
Eyeglasses and eye care <sup>8</sup> .....	0.316	1.1	0.004	0.78	S-May 2018	0.1
Services by other medical professionals <sup>8</sup> .....	0.415	-0.2	-0.001	0.86	S-Feb.2018	-0.3
Hospital and related services.....	2.591	3.2	0.083	0.50	S-Apr.2016	3.1
Hospital services <sup>15</sup> .....	2.312	3.3	0.075	0.55	S-May 2016	3.2
Inpatient hospital services <sup>15, 5</sup> .....		2.9		1.65	S-Jul.2015	2.8
Outpatient hospital services <sup>8, 5</sup> .....		3.0		1.51	S-Oct.2016	3.0
Nursing homes and adult day services <sup>15</sup> .....	0.191	3.7	0.007	0.44	S-Jul.2018	2.8
Care of invalids and elderly at home <sup>7</sup> .....	0.087	2.0	0.002	1.16	S-Aug.2018	2.0
Health insurance <sup>7</sup> .....	1.053	2.2	0.024	0.36	L-Apr.2017	2.7
Transportation services.....	5.945	3.8	0.224	0.25	S-Jun.2018	3.7
Leased cars and trucks <sup>13</sup> .....	0.655	5.0	0.030	1.20	S-May 2018	3.6
Car and truck rental <sup>4</sup> .....	0.118	3.4	0.004	2.67	L-Dec.2016	10.5
Motor vehicle maintenance and repair.....	1.117	2.0	0.023	0.47	S-May 2018	1.6
Motor vehicle body work.....	0.055	3.2	0.002	0.64	L-Aug.2018	3.3
Motor vehicle maintenance and servicing.....	0.628	2.7	0.017	0.69	—	—
Motor vehicle repair <sup>4</sup> .....	0.370	0.8	0.003	0.64	S-May 2018	0.0
Motor vehicle insurance.....	2.382	6.7	0.159	0.46	L-Jul.2018	7.4
Motor vehicle fees <sup>4</sup> .....	0.539	2.0	0.011	0.35	S-Aug.2018	1.7
State motor vehicle registration and license fees <sup>4</sup> .....	0.279	1.4	0.004	0.43	L-Aug.2018	1.4
Parking and other fees <sup>4</sup> .....	0.243	2.6	0.007	0.54	S-Aug.2018	1.9
Parking fees and tolls <sup>4, 5</sup> .....		2.4		1.21	L-May 2018	2.4
Automobile service clubs <sup>4, 5</sup> .....						
Public transportation.....	1.133	-0.5	-0.003	0.63	S-Jul.2018	-1.5
Airline fares.....	0.683	-0.5	0.001	0.94	S-Aug.2018	-1.3
Other intercity transportation.....	0.166	-2.6	-0.004	1.21	S-Apr.2015	-3.0
Intercity bus fare <sup>6, 5</sup> .....		-0.4		3.59	S-Aug.2018	-2.5
Intercity train fare <sup>6, 5</sup> .....						
Ship fare <sup>4, 5</sup> .....		-0.6		2.08	S-Dec.2017	-1.1
Intracity transportation.....	0.277	0.1	0.000	0.30	S-Aug.1999	-2.2
Intracity mass transit <sup>10, 5</sup> .....		1.5		0.81	S-Aug.2017	0.8
Recreation services <sup>10</sup> .....	3.850	1.9	0.073	0.55	—	—
Video and audio services <sup>10</sup> .....	1.587	1.2	0.019	0.50	S-Aug.2018	0.9
Cable and satellite television service <sup>12</sup> .....	1.501	1.1	0.017	0.51	S-Aug.2018	1.0
Video discs and other media, including rental of video <sup>4</sup> .....	0.086	3.5	0.003	1.69	L-Jul.2018	4.3

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 2018, 12-month analysis table — Continued**

[1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017-Oct. 2018	Unadjusted effect on All Items Oct. 2017-Oct. 2018 <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 <sup>4, 5</sup> .....		2.2		3.58	L-Jul.2018	2.4
Rental of video discs and other media <sup>4, 5</sup> .....		3.0		0.80	L-Aug.2018	3.4
Pet services including veterinary <sup>4</sup> .....	0.413	2.9	0.012	0.57	L-Jun.2018	3.0
Pet services <sup>4, 5</sup> .....		3.6		0.60	L-Jun.2018	3.9
Veterinarian services <sup>4, 5</sup> .....		2.9		0.65	L-Jan.2018	3.0
Photographers and photo processing <sup>4</sup> .....	0.038	-0.9	0.000	1.05	—	—
Photographer fees <sup>4, 5</sup> .....						
Photo processing <sup>4, 5</sup> .....		-9.1		1.21	S-EVER	—
Other recreation services <sup>4</sup> .....	1.810	2.3	0.042	1.08	S-Aug.2018	1.7
Club membership for shopping clubs, fraternal, or other organizations, or participant sports fees <sup>4</sup> .....	0.666	2.1	0.014	1.42	S-Jun.2017	1.2
Admissions.....	0.655	1.9	0.013	1.68	S-Aug.2018	1.2
Admission to movies, theaters, and concerts <sup>4, 5</sup> .....		1.9		1.68	L-Jul.2018	3.0
Admission to sporting events <sup>4, 5</sup> .....		2.7		3.59	S-May 2018	1.2
Fees for lessons or instructions <sup>8</sup> .....	0.217	3.6	0.008	1.34	L-Feb.2018	3.8
Education and communication services <sup>10</sup> .....	6.062	1.3	0.081	0.24	S-Jun.2018	1.1
Tuition, other school fees, and childcare.....	2.900	2.6	0.076	0.20	—	—
College tuition and fees.....	1.607	2.8	0.044	0.26	L-Jun.2016	3.0
Elementary and high school tuition and fees.....	0.337	4.7	0.015	0.42	S-Jul.2018	3.9
Child care and nursery school <sup>11</sup> .....	0.804	1.5	0.012	0.40	S-Jul.2018	1.5
Technical and business school tuition and fees <sup>4</sup> .....	0.032	2.3	0.001	1.02	L-Aug.2018	2.3
Postage and delivery services <sup>4</sup> .....	0.108	2.5	0.003	0.22	S-Aug.2018	2.5
Postage.....	0.094	2.0	0.002	0.22	—	—
Delivery services <sup>4</sup> .....	0.014	6.9	0.001	0.99	S-Jun.2018	6.9
Telephone services <sup>4</sup> .....	2.266	-0.2	-0.004	0.50	S-Apr.2018	-0.4
Wireless telephone services <sup>4</sup> .....	1.693	-0.5	-0.009	0.64	S-May 2018	-0.5
Land-line telephone services <sup>10</sup> .....	0.572	0.6	0.005	0.61	S-Apr.2018	0.1
Internet services and electronic information providers <sup>4</sup> .....	0.780	0.9	0.007	1.21	S-Aug.2018	0.7
Other personal services <sup>10</sup> .....	1.632	3.9	0.063	0.25	L-EVER	—
Personal care services.....	0.623	3.1	0.019	0.36	L-Jun.2018	3.4
Haircuts and other personal care services <sup>4</sup> .....	0.623	3.1	0.019	0.36	L-Jun.2018	3.4
Miscellaneous personal services.....	1.009	4.4	0.044	0.38	L-Oct.2008	4.6
Legal services <sup>8</sup> .....	0.304	5.1	0.015	0.56	L-Apr.2017	5.7
Funeral expenses <sup>8</sup> .....	0.127	2.2	0.003	0.41	L-Aug.2017	2.2
Laundry and dry cleaning services <sup>4</sup> .....	0.238	3.6	0.009	0.74	L-Apr.2009	3.8
Apparel services other than laundry and dry cleaning <sup>4</sup> .....	0.029	2.5	0.001	0.91	L-Sep.2015	3.0
Financial services <sup>8</sup> .....	0.240	5.7	0.013	1.03	L-Jun.2018	6.1
Checking account and other bank services <sup>4, 5</sup> .....		9.9		0.96	S-Jul.2018	9.9
Tax return preparation and other accounting fees <sup>4, 5</sup> .....		5.9		1.14	L-Aug.2018	5.9
<b>Special aggregate indexes</b>						
All items less food.....	86.765	2.7	2.363	0.07	L-Aug.2018	2.9
All items less shelter.....	67.107	2.2	1.482	0.08	L-Aug.2018	2.4
All items less food and shelter.....	53.872	2.4	1.322	0.10	L-Aug.2018	2.6
All items less food, shelter, and energy.....	45.840	1.4	0.651	0.11	—	—
All items less food, shelter, energy, and used cars and trucks.....	43.512	1.5	0.641	0.12	—	—
All items less medical care.....	91.408	2.6	2.375	0.07	L-Aug.2018	2.8
All items less energy.....	91.969	2.0	1.851	0.07	S-Apr.2018	2.0
Commodities.....	37.384	2.2	0.824	0.11	L-Aug.2018	2.5

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 2018, 12-month analysis table — Continued**  
 [1982-84=100, unless otherwise noted]

Expenditure category	Relative importance Sep. 2018	Twelve Month				
		Unadjusted percent change Oct. 2017-Oct. 2018	Unadjusted effect on All Items Oct. 2017-Oct. 2018 <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
Commodities less food, energy, and used cars and trucks.....	17.190	-0.1	-0.014	0.21	L-May 2018	-0.1
Commodities less food.....	24.149	2.7	0.665	0.17	L-Aug.2018	3.2
Commodities less food and beverages.....	23.186	2.7	0.649	0.17	L-Aug.2018	3.2
Services.....	62.616	2.7	1.698	0.08	—	—
Services less rent of shelter <sup>14</sup> .....	30.097	2.2	0.664	0.13	L-Jul.2018	2.2
Services less medical care services.....	55.733	2.8	1.564	0.09	—	—
Durables.....	9.841	-0.1	-0.014	0.18	L-Jul.2012	0.0
Nondurables.....	27.543	3.0	0.838	0.13	L-Aug.2018	3.6
Nondurables less food.....	14.308	4.8	0.679	0.24	L-Aug.2018	5.6
Nondurables less food and beverages.....	13.345	5.0	0.662	0.25	L-Aug.2018	5.9
Nondurables less food, beverages, and apparel.....	10.231	6.8	0.667	0.20	L-Aug.2018	8.3
Nondurables less food and apparel.....	11.194	6.3	0.683	0.18	L-Aug.2018	7.7
Housing.....	41.773	2.8	1.178	0.09	L-Aug.2018	2.9
Education and communication <sup>4</sup> .....	6.608	0.9	0.063	0.22	S-Jun.2018	0.8
Education <sup>4</sup> .....	3.030	2.5	0.077	0.22	S-Jul.2018	2.1
Communication <sup>4</sup> .....	3.577	-0.4	-0.014	0.37	S-May 2018	-0.8
Information and information processing <sup>4</sup> .....	3.470	-0.5	-0.017	0.38	S-May 2018	-0.9
Information technology, hardware and services <sup>16</sup> .....	1.204	-1.1	-0.013	0.81	S-Aug.2018	-1.2
Recreation <sup>4</sup> .....	5.641	0.2	0.009	0.40	—	—
Video and audio <sup>4</sup> .....	1.818	-0.6	-0.012	0.46	L-Jun.2018	-0.6
Pets, pet products and services <sup>4</sup> .....	1.012	1.7	0.018	0.40	L-Nov.2016	1.8
Photography <sup>4</sup> .....	0.073	-2.7	-0.002	1.02	L-May 2018	-1.1
Food and beverages.....	14.198	1.2	0.176	0.09	S-May 2018	1.2
Domestically produced farm food.....	6.061	-0.1	-0.008	0.17	S-Jun.2017	-0.2
Other services.....	11.544	1.9	0.218	0.21	—	—
Apparel less footwear.....	2.441	-0.3	0.000	0.97	L-Jul.2018	0.2
Fuels and utilities.....	4.674	1.5	0.072	0.12	L-May 2018	1.8
Household energy.....	3.594	0.9	0.033	0.15	L-May 2018	1.4
Medical care.....	8.592	1.7	0.148	0.30	—	—
Transportation.....	16.896	5.4	0.895	0.12	L-Aug.2018	6.4
Private transportation.....	15.763	5.9	0.898	0.12	L-Aug.2018	6.9
New and used motor vehicles <sup>4</sup> .....	6.910	1.0	0.061	0.21	L-Aug.2018	1.2
Utilities and public transportation.....	9.381	0.5	0.050	0.16	L-Aug.2018	0.5
Household furnishings and operations.....	4.206	1.5	0.065	0.36	L-Jun.2009	1.6
Other goods and services.....	3.177	1.9	0.059	0.21	S-Mar.2017	1.8
Personal care.....	2.530	1.5	0.039	0.26	S-Feb.2018	1.3

<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> Indexes on a December 2009=100 base.

<sup>11</sup> Indexes on a December 1990=100 base.

<sup>12</sup> Indexes on a December 1983=100 base.

<sup>13</sup> Indexes on a December 2001=100 base.

<sup>14</sup> Indexes on a December 1982=100 base.

<sup>15</sup> Indexes on a December 1996=100 base.

<sup>16</sup> Indexes on a December 1988=100 base.