

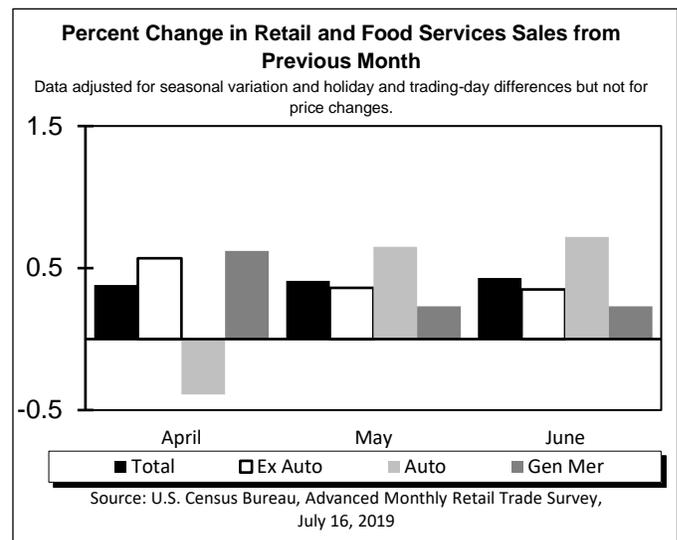
ADVANCE MONTHLY SALES FOR RETAIL AND FOOD SERVICES, June 2019

Release Number: CB19-99

Notice of Revision: Monthly retail sales estimates were revised on June 25, 2019 based on the results of the 2017 Annual Retail Trade Survey and the Service Annual Survey. The Annual Revision of Monthly Retail and Food Services showing revised estimates can be found on our website at <https://www.census.gov/retail/mrts/www/benchmark/2019/html/annrev19.html>.

July 16, 2019 — The U.S. Census Bureau announced the following advance estimates of U.S. retail and food services sales for June 2019:

ADVANCE MONTHLY SALES		
June 2019	\$519.9 billion	0.4%*
May 2019 (revised)	\$517.7 billion	0.4%
Next release: August 15, 2019		
<small>* The 90 percent confidence interval includes zero. There is insufficient statistical evidence to conclude that the actual change is different from zero. Data adjusted for seasonal variation and holiday and trading-day differences but not for price changes. Source: U.S. Census Bureau, Advanced Monthly Retail Trade Survey, July 16, 2019.</small>		



Advance Estimates of U.S. Retail and Food Services

Advance estimates of U.S. retail and food services sales for June 2019, adjusted for seasonal variation and holiday and trading-day differences, but not for price changes, were \$519.9 billion, an increase of 0.4 percent (± 0.5 percent)* from the previous month, and 3.4 percent (± 0.7 percent) above June 2018. Total sales for the April 2019 through June 2019 period were up 3.4 percent (± 0.5 percent) from the same period a year ago. The April 2019 to May 2019 percent change was revised from up 0.5 percent (± 0.5 percent)* to up 0.4 percent (± 0.2 percent).

Retail trade sales were up 0.4 percent (± 0.5 percent)* from May 2019, and 3.3 percent (± 0.5 percent) above last year. Nonstore retailers were up 13.4 percent (± 1.4 percent) from June 2018, while health and personal care stores were up 5.5 percent (± 1.9 percent) from last year.

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General Information

The July 2019 Advance Monthly Retail report is scheduled for release on August 15, 2019 at 8:30 a.m. EDT. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <www.census.gov/retail/>.

EXPLANATORY NOTES

The advance estimates are based on a subsample of the Census Bureau's full retail and food services sample. A stratified random sampling method is used to select approximately 5,500 retail and food services firms whose sales are then weighted and benchmarked to represent the complete universe of over three million retail and food services firms.

Survey Description

The U.S. Census Bureau conducts the Advance Monthly Retail Trade and Food Services Survey to provide an early estimate of monthly sales by kind of business for retail and food service firms located in the United States. Each month, questionnaires are mailed to a probability sample of approximately 5,500 employer firms selected from the larger Monthly Retail Trade Survey. Advance sales estimates are computed using a link relative estimator. For each detailed industry, we compute a ratio of current-to-previous month weighted sales using data from units for which we have obtained usable responses for both the current and previous month. For each detailed industry, the advance total sales estimates for the current month is computed by multiplying this ratio by the preliminary sales estimate for the previous month (derived from the larger MRTS) at the appropriate industry level. Total estimates for broader industries are computed as the sum of the detailed industry estimates. The link relative estimate is used because imputation is not performed for most nonrespondents in MARTS. For a limited number of nonresponding companies that have influential effects on the estimates, sales may be estimated based on historical performance of that company. The monthly estimates are benchmarked to the annual survey estimates from the Annual Retail Trade Survey once available. The estimates are adjusted for seasonal variation and holiday and trading day differences. Additional information on MARTS and MRTS can be found on the Census Bureau website at: <www.census.gov/retail/>.

Reliability of Estimates

Because the estimates presented in this report are based on a sample survey, they contain sampling error and nonsampling error.

Sampling error is the difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Standard errors

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and coefficients of variation (CV), as given in Table 3 of this report, are estimated measures of sampling variation.

The margin of sampling error, as used on page 1, gives a range about the estimate which is a 90 percent confidence interval. If, for example, the percent change estimate is +1.2 percent and its estimated standard error is 0.9 percent, then the margin of sampling error is $\pm 1.753 \times 0.9$ percent or ± 1.6 percent, and the 90 percent confidence interval is -0.4 percent to +2.8 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90 percent confidence level that the change is different from zero and therefore the change is not statistically significant. Estimated changes shown in the text are statistically significant unless otherwise noted. For a monthly total, the median estimated coefficient of variation is given. The resulting confidence interval is the estimated value $\pm 1.753 \times CV \times$ (the estimated monthly total). The Census Bureau recommends that individuals using estimates in this report incorporate this information into their analyses, as sampling error could affect the conclusions drawn from the estimates.

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. This type of error can occur because of nonresponse, insufficient coverage of the universe of retail businesses, mistakes in the recording and coding of data, and other errors of collection, response, coverage, or processing. Although nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error.

RESOURCES

API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before. <www.census.gov/developers/>

FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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* The 90 percent confidence interval includes zero. There is insufficient statistical evidence to conclude that the actual change is different from zero.

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Table 1. Estimated Monthly Sales for Retail and Food Services, by Kind of Business

(Total sales estimates are shown in millions of dollars and are based on data from the Advance Monthly Retail Trade Survey, Monthly Retail Trade Survey, and administrative records.)

NAICS ¹ code	Kind of Business	Not Adjusted						Adjusted ²					
		6 Month Total		2019			2018		2019			2018	
		2019	% Chg. 2018	Jun. ³ (a)	May (p)	Apr. (r)	Jun.	May	Jun. ³ (a)	May (p)	Apr. (r)	Jun. (r)	May (r)
	Retail & food services,												
	total	2,999,101	2.9	519,429	547,255	510,176	510,029	530,082	519,885	517,682	515,545	502,688	502,987
	Total (excl. motor vehicle & parts) ...	2,385,730	3.0	412,910	434,225	405,978	405,277	421,168	415,385	413,932	412,466	402,306	402,514
	Total (excl. gasoline stations)	2,749,702	3.1	474,868	500,000	466,049	464,191	483,790	477,846	474,448	471,984	459,929	460,517
	Total (excl. motor vehicle & parts & gasoline stations)	2,136,331	3.3	368,349	386,970	361,851	359,439	374,876	373,346	370,698	368,905	359,547	360,044
	Retail	2,620,460	2.7	453,155	479,282	446,483	445,793	465,377	455,353	453,738	452,232	440,624	441,597
	GAFO⁴	(*)	(*)	(*)	111,042	102,747	106,233	110,704	(*)	109,297	109,078	108,792	110,037
441	Motor vehicle & parts dealers	613,371	2.4	106,519	113,030	104,198	104,752	108,914	104,500	103,750	103,079	100,382	100,473
4411, 4412	Auto & other motor veh. dealers .	566,151	2.3	98,457	104,553	96,015	96,794	100,776	96,526	95,745	95,064	92,715	92,796
44111	New car dealers	(*)	(*)	(*)	85,861	78,463	79,222	82,916	(NA)	(NA)	(NA)	(NA)	(NA)
4413	Auto parts, acc. & tire stores.....	(*)	(*)	(*)	8,477	8,183	7,958	8,138	(*)	8,005	8,015	7,667	7,677
442	Furniture & home furn. stores	55,556	-0.8	9,545	9,984	9,271	9,713	9,910	9,840	9,788	9,800	9,762	9,773
4421	Furniture stores	(*)	(*)	(*)	5,562	5,077	5,454	5,427	(NA)	(NA)	(NA)	(NA)	(NA)
4422	Home furnishings stores	(*)	(*)	(*)	4,422	4,194	4,259	4,483	(NA)	(NA)	(NA)	(NA)	(NA)
443	Electronics & appliance stores	44,700	-4.6	7,587	7,626	6,956	8,052	7,942	8,123	8,147	8,079	8,548	8,531
444	Building material & garden eq. & supplies dealers	189,334	0.7	34,352	37,857	34,656	36,045	39,115	31,156	30,993	31,479	31,952	31,543
4441	Building mat. & sup. dealers	(*)	(*)	(*)	33,215	30,214	31,818	33,653	(*)	27,865	28,132	28,409	28,044
445	Food & beverage stores	378,736	2.5	64,577	66,923	62,737	63,240	64,958	64,662	64,340	64,248	62,820	62,867
4451	Grocery stores	340,709	2.7	57,792	59,950	56,301	56,409	58,116	57,850	57,589	57,450	56,128	56,151
4453	Beer, wine & liquor stores	(*)	(*)	(*)	5,110	4,582	4,995	4,955	(*)	4,923	4,927	4,826	4,848
446	Health & personal care stores	175,384	4.1	28,958	30,579	29,538	28,016	29,460	30,102	29,950	29,686	28,530	28,939
44611	Pharmacies & drug stores	(*)	(*)	(*)	25,534	24,722	23,015	24,642	(*)	24,766	24,599	23,557	23,994
447	Gasoline stations	249,399	0.6	44,561	47,255	44,127	45,838	46,292	42,039	43,234	43,561	42,759	42,470
448	Clothing & clothing accessories stores	122,679	-0.1	21,235	23,210	21,597	21,589	23,764	22,486	22,378	22,413	22,692	23,048
44811	Men's clothing stores	(*)	(*)	(*)	857	840	780	862	(*)	760	768	777	770
44812	Women's clothing stores	(*)	(*)	(*)	3,820	3,590	3,330	3,798	(*)	3,470	3,429	3,408	3,494
44814	Family clothing stores	(*)	(*)	(*)	9,328	8,692	8,698	9,449	(NA)	(NA)	(NA)	(NA)	(NA)
4482	Shoe stores	(*)	(*)	(*)	3,129	3,132	2,833	3,061	(*)	3,186	3,212	3,086	3,120
451	Sporting goods, hobby, musical instrument, & book stores	35,390	-6.7	6,292	6,276	6,043	6,642	6,625	6,507	6,504	6,512	6,729	6,966
452	General merchandise stores	337,432	2.0	59,181	61,344	56,653	57,871	60,018	60,026	59,887	59,748	58,545	59,241
4521	Department stores	61,398	-4.3	10,650	11,430	10,542	11,256	12,055	11,352	11,483	11,552	11,981	12,309
4529	Other general merch. stores.....	(*)	(*)	(*)	49,914	46,111	46,615	47,963	(*)	48,404	48,196	46,564	46,932
45291	Warehouse clubs & supercenters.....	(*)	(*)	(*)	42,425	39,061	39,877	40,736	(*)	41,189	40,987	39,758	39,976
45299	All oth. gen. merch. stores.....	(*)	(*)	(*)	7,489	7,050	6,738	7,227	(*)	7,215	7,209	6,806	6,956
453	Miscellaneous store retailers	63,299	-0.1	11,466	12,550	10,718	11,286	12,297	11,196	11,128	11,040	10,847	10,954
454	Nonstore retailers	355,180	10.6	58,882	62,648	59,989	52,749	56,082	64,716	63,639	62,587	57,058	56,792
4541	Elect. shopping & m/o houses	(*)	(*)	(*)	55,633	53,080	46,800	49,215	(*)	56,538	55,523	50,215	49,712
722	Food services & drinking places	378,641	4.2	66,274	67,973	63,693	64,236	64,705	64,532	63,944	63,313	62,064	61,390

(*) Advance estimates are not available for this kind of business. (NA) Not available (a) Advance estimate (p) Preliminary estimate (r) Revised estimate

(S) Estimate does not meet publication standards because of high sampling variability (coefficient of variation is greater than 30%), poor response quality (total quantity response rate is less than 50%), or other concerns about the estimate's quality.

(1) For a full description of the NAICS codes used in this table, see <http://www.census.gov/eos/www/naics>

(2) Estimates are concurrently adjusted for seasonal variation and for holiday and trading day differences, but not for price changes. Concurrent seasonal adjustment uses all available unadjusted estimates as input to the X-13ARIMA-SEATS program. The factors derived from the program are used in calculating all seasonally adjusted estimates shown in this table. Year-to-date seasonally adjusted sales estimates are not tabulated. Adjustment factors and explanatory material can be found on the Internet at <http://www.census.gov/retail>

(3) Advance estimates are based on early reports obtained from a small sample of firms selected from the larger Monthly Retail Trade Survey (MRTS) sample. All other estimates are from the MRTS sample.

(4) GAFO represents firms which specialize in department store types of merchandise and is comprised of furniture & home furnishings (442), electronics & appliances (443), clothing & accessories (448), sporting goods, hobby, musical instrument, and book (451), general merchandise (452), office supply, stationery, and gift stores (4532).

Source: U.S. Census Bureau, Advance Monthly Retail Trade Survey, July 16, 2019. Table 3 provides estimated measures of sampling variability. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/retail/how_surveys_are_collected.html.

Table 2. Estimated Change in Monthly Sales for Retail and Food Services, by Kind of Business

(Estimates are shown as percents and are based on data from the Advance Monthly Retail Trade Survey, Monthly Retail Trade Survey, and administrative records.)

NAICS code	Kind of Business	Percent Change ¹					
		Jun. 2019 Advance from --		May 2019 Preliminary from --		Apr. 2019 through Jun. 2019 from --	
		May 19 (p)	Jun. 2018 (r)	Apr. 2019 (r)	May 18 (r)	Jan. 2019 through Mar. 2019	Apr. 2018 through Jun. 2018
	Retail & food services,						
	total	0.4	3.4	0.4	2.9	1.8	3.4
	Total (excl. motor vehicle & parts)	0.4	3.3	0.4	2.8	1.7	3.3
	Total (excl. gasoline stations)	0.7	3.9	0.5	3.0	1.7	3.5
	Total (excl. motor vehicle & parts & gasoline stations)	0.7	3.8	0.5	3.0	1.5	3.5
	Retail	0.4	3.3	0.3	2.7	1.7	3.2
441	Motor vehicle & parts dealers	0.7	4.1	0.7	3.3	2.4	3.5
4411, 4412	Auto & other motor veh. dealers ...	0.8	4.1	0.7	3.2	2.5	3.4
442	Furniture & home furn. stores	0.5	0.8	-0.1	0.2	2.0	-0.2
443	Electronics & appliance stores	-0.3	-5.0	0.8	-4.5	-0.8	-5.2
444	Building material & garden eq. & supplies dealers	0.5	-2.5	-1.5	-1.7	-3.4	-0.9
445	Food & beverage stores	0.5	2.9	0.1	2.3	1.1	2.5
4451	Grocery stores	0.5	3.1	0.2	2.6	1.1	2.7
446	Health & personal care stores	0.5	5.5	0.9	3.5	1.5	4.5
447	Gasoline stations	-2.8	-1.7	-0.8	1.8	3.5	1.6
448	Clothing & clothing accessories stores	0.5	-0.9	-0.2	-2.9	0.8	-1.1
451	Sporting goods, hobby, musical instrument, & book stores	0.0	-3.3	-0.1	-6.6	1.5	-5.5
452	General merchandise stores	0.2	2.5	0.2	1.1	1.5	2.2
4521	Department stores	-1.1	-5.2	-0.6	-6.7	-1.1	-5.9
453	Miscellaneous store retailers	0.6	3.2	0.8	1.6	3.8	2.6
454	Nonstore retailers	1.7	13.4	1.7	12.1	3.5	11.9
722	Food services & drinking places	0.9	4.0	1.0	4.2	2.5	4.6

(p) Preliminary estimate (r) Revised estimate

(1) Estimates shown in this table are derived from adjusted estimates provided in Table 1 of this report.

Source: U.S. Census Bureau, Advance Monthly Retail Trade Survey, July 16, 2019. Table 3 provides estimated measures of sampling variability.

Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at <www.census.gov/retail/how_surveys_are_collected.html>.

Table 3. Estimated Measures of Sampling Variability and Revision to Advance Estimates June 2019

(Estimates are shown as percents and are based on data from the Advance Monthly Retail Trade Survey and Monthly Retail Trade Survey)

NAICS Code	Kind of Business	Median CV ⁽¹⁾ for Current Mo. (%)	Median standard error ⁽¹⁾ for Percent change			Revision for month-to-month change ⁽²⁾	
			Previous Mo. to Current Mo.	Previous Qtr. to Current Qtr.	Current Mo. to same Mo. Last Yr.	Average revision	Median absolute revision
	Retail & food services,						
	total	0.7	0.3	0.2	0.4	0.1	0.2
	Total (excl. motor vehicle & parts)	0.8	0.2	0.2	0.4	0.1	0.3
	Total (excl. gasoline stations)	0.7	0.3	0.2	0.4	0.1	0.2
	Total (excl. motor vehicle & parts & gasoline stations)	0.8	0.2	0.2	0.5	0.1	0.2
	Retail, total	0.5	0.3	0.1	0.3	0.1	0.1
441	Motor vehicle & parts dealers	1.2	0.9	0.4	1.1	0.0	0.5
4411, 4412	Auto & other motor veh. dealers	1.2	1.0	0.4	1.1	0.0	0.5
442	Furniture & home furn. stores	2.2	1.3	0.8	1.7	0.0	0.5
443	Electronics & appliance stores	1.2	0.5	0.5	0.9	-0.3	0.7
444	Building material & garden eq. & supplies dealers	1.4	0.8	0.5	1.0	0.2	0.5
445	Food & beverage stores	0.7	0.2	0.2	0.4	0.0	0.3
4451	Grocery stores	0.6	0.2	0.2	0.5	0.0	0.3
446	Health & personal care stores	1.9	0.4	0.4	1.1	0.2	0.3
447	Gasoline stations	1.5	0.4	0.4	0.7	-0.1	0.5
448	Clothing & clothing accessories stores	1.9	0.6	0.6	0.9	0.0	0.6
451	Sporting goods, hobby, musical instrument, & book stores	3.7	0.8	0.9	1.5	-0.4	0.7
452	General merchandise stores	0.7	0.1	0.1	0.3	0.0	0.3
4521	Department stores	0.0	0.0	0.0	0.0	0.0	0.2
453	Miscellaneous store retailers	3.8	2.1	1.5	2.3	0.6	1.2
454	Nonstore retailers	1.2	0.5	0.4	0.8	0.3	0.4
722	Food services & drinking places	3.5	0.9	0.7	2.0	0.2	0.3

(1) Estimated measures of sampling variability are based on estimates not adjusted for seasonal variation or holiday or trading day variation. Medians are based on estimates for the most recent 12 months.

(2) These columns provide measures of the difference between the advance-to-preliminary and preliminary-to-final estimates of month-to-month change for the same pair of months as measured by the Advance sample and MRTS sample. The average and median revisions are based on estimates for the most recent 12 months.

Source: U.S. Census Bureau, Advance Monthly Retail Trade Survey, July 16, 2019. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at <www.census.gov/retail/how_surveys_are_collected.html>.