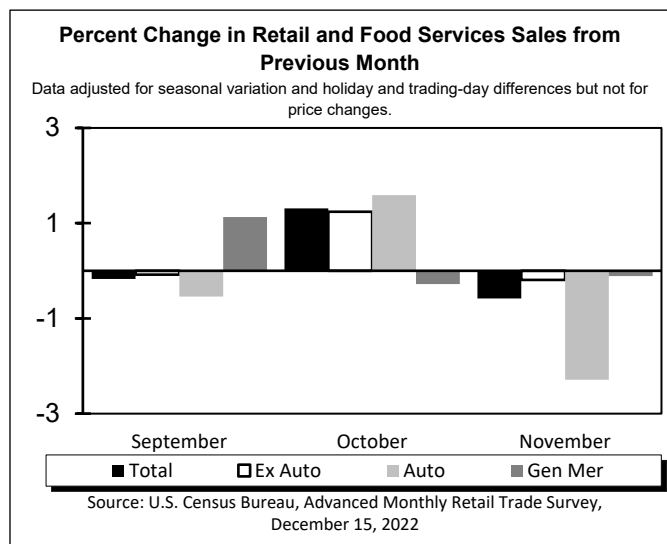


ADVANCE MONTHLY SALES FOR RETAIL AND FOOD SERVICES, NOVEMBER 2022

Release Number: CB22-204

December 15, 2022 — The U.S. Census Bureau announced the following advance estimates of U.S. retail and food services sales for November 2022:

ADVANCE MONTHLY SALES		
November 2022	\$689.4 billion	-0.6%
October 2022 (revised)	\$693.5 billion	1.3%
Next release: January 18, 2023		
* 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, December 15, 2022		



Advance Estimates of U.S. Retail and Food Services

Advance estimates of U.S. retail and food services sales for November 2022, adjusted for seasonal variation and holiday and trading-day differences, but not for price changes, were \$689.4 billion, down 0.6 percent (± 0.5 percent) from the previous month, but up 6.5 percent (± 0.7 percent) above November 2021. Total sales for the September 2022 through November 2022 period were up 7.7 percent (± 0.5 percent) from the same period a year ago. The September 2022 to October 2022 percent change was unrevised from up 1.3 percent (± 0.2 percent).

Retail trade sales were down 0.8 percent (± 0.5 percent) from October 2022, but up 5.4 percent (± 0.7 percent) above last year. Gasoline stations were up 16.2 percent (± 1.6 percent) from November 2021, while food services and drinking places were up 14.1 percent (± 3.0 percent) from last year.

Special Notice

The advance estimates in this report are the first estimates from a new sample. For further information on the sample revision, see our Sample Revision Frequently Asked Questions at:

<https://www.census.gov/retail/marts_sample_revision_faqs.html>.

Data Inquiries

Economic Indicators Division, Retail Indicator Branch
301-763-2713
eid.retail.indicator.branch@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov

General Information

The December 2022 Advance Monthly Retail report is scheduled for release on January 18, 2023 at 8:30 a.m. EST. View the full schedule in the Economic Briefing Room: <<https://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 4,800 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. For more information on how data is collected for the Advance Monthly Retail Trade Survey, see our methodology page at: <https://www.census.gov/retail/marts/how_surveys_are_collected.html>.

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 4,800 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.

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U.S. Department of Commerce
U.S. CENSUS BUREAU
[census.gov](https://www.census.gov)

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 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.

Statement Regarding COVID-19 Impact

The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see [COVID-19 FAQs](#).

Weather Information

For information on the impact of weather events on the compilation of this report, please see the Frequently Asked Questions (FAQs) on our website at:

<www.census.gov/retail/marts_weather_faqs.html>

RESOURCES

The Rest of the Consumer Spending Story

Data Inquiries

Economic Indicators Division, Retail Indicator Branch
301-763-2713
eid.retail.indicator.branch@census.gov

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pio@census.gov



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U.S. CENSUS BUREAU
census.gov

Retail and services together represent what's commonly referred to as consumer spending. Quarterly Services Survey (QSS) revenue comprises roughly 2/3 of the personal consumption expenditures component of the U.S. Gross Domestic Product (GDP) measured by the Bureau of Economic Analysis (BEA). The third quarter 2022 Quarterly Services Report was released on December 8, 2022 at 10:00 AM. Learn about historical revenue trends for certain industries going back 15 years and other data, such as in-patient days and discharges for hospitals, by visiting <<https://www.census.gov/services/index.html>>.

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				
		11 Month Total		2022			2021		2022			2021	
		2022	% Chg. 2021	Nov. ³ (a)	Oct. (p)	Sept. (r)	Nov.	Oct.	Nov. ³ (a)	Oct. (p)	Sept. (r)	Nov. (r)	Oct. (r)
	Retail & food services,												
	total	7,376,066	9.6	696,752	688,604	664,684	654,469	638,069	689,443	693,482	684,538	647,516	640,524
	Total (excl. motor vehicle & parts) ...	5,970,773	11.1	579,248	562,068	539,505	538,632	517,883	562,931	564,000	557,087	522,591	517,827
	Total (excl. gasoline stations)	6,670,905	7.6	636,398	623,707	602,900	602,186	583,335	625,100	629,100	623,122	592,131	586,332
	Total (excl. motor vehicle & parts & gasoline stations)	5,265,612	8.8	518,894	497,171	477,721	486,349	463,149	498,588	499,618	495,671	467,206	463,635
	Retail	6,441,598	8.6	611,784	597,826	577,370	579,687	557,737	599,052	603,869	596,342	568,298	562,075
	GAFO⁴	(*)	(*)	(*)	127,172	121,165	137,115	125,223	(*)	128,058	127,889	125,483	125,527
441	Motor vehicle & parts dealers	1,405,293	3.5	117,504	126,536	125,179	115,837	120,186	126,512	129,482	127,451	124,925	122,697
4411, 4412	Auto & other motor veh. dealers .	1,291,196	2.9	107,057	115,865	114,453	106,400	110,342	115,863	118,958	116,789	115,276	113,055
44111	New car dealers	(*)	(*)	(*)	94,201	91,670	85,574	87,437	(NA)	(NA)	(NA)	(NA)	(NA)
4413	Auto parts, acc. & tire stores.....	(*)	(*)	(*)	10,671	10,726	9,437	9,844	(*)	10,524	10,662	9,649	9,642
442	Furniture & home furn. stores	130,570	1.0	12,374	11,990	11,926	12,795	12,040	11,751	12,062	11,831	12,139	12,016
4421	Furniture stores	(*)	(*)	(*)	6,592	6,734	6,656	6,629	(NA)	(NA)	(NA)	(NA)	(NA)
4422	Home furnishings stores	(*)	(*)	(*)	(S)	(S)	(S)	(S)	(NA)	(NA)	(NA)	(NA)	(NA)
443	Electronics & appliance stores	78,373	-6.4	8,442	6,863	6,906	8,940	7,896	7,106	7,217	7,285	7,431	8,312
444	Building material & garden eq. & supplies dealers.....	471,619	7.3	40,943	43,156	42,628	39,491	39,435	42,485	43,578	43,000	41,016	39,895
4441	Building mat. & sup. dealers	(*)	(*)	(*)	37,447	37,504	34,925	34,618	(*)	37,711	37,243	35,931	34,792
445	Food & beverage stores.....	859,061	7.7	82,431	80,804	78,216	75,733	75,780	81,628	81,009	79,984	75,540	75,331
4451	Grocery stores	771,182	8.4	73,603	72,515	70,156	67,280	67,795	73,164	72,588	71,661	67,347	67,324
4453	Beer, wine & liquor stores	(*)	(*)	(*)	5,967	5,836	6,021	5,761	(*)	6,101	6,004	5,868	5,807
446	Health & personal care stores	362,427	4.1	33,826	34,030	33,491	32,432	32,541	34,168	33,928	33,932	32,694	32,444
44611	Pharmacies & drug stores	(*)	(*)	(*)	28,283	27,501	26,784	27,288	(*)	27,810	27,807	27,192	26,858
447	Gasoline stations	705,161	32.6	60,354	64,897	61,784	52,283	54,734	64,343	64,382	61,416	55,385	54,192
448	Clothing & clothing accessories stores	271,955	6.8	29,217	25,172	23,966	28,725	24,366	26,353	26,409	26,403	26,165	25,420
44811	Men's clothing stores	(*)	(*)	(*)	(S)	(S)	(S)	(S)	(*)	(S)	(S)	(S)	(S)
44812	Women's clothing stores	(*)	(*)	(*)	3,206	3,197	3,823	3,269	(*)	3,312	3,394	3,460	3,319
44814	Family clothing stores	(*)	(*)	(*)	10,444	9,421	11,933	9,785	(NA)	(NA)	(NA)	(NA)	(NA)
4482	Shoe stores	(*)	(*)	(*)	3,191	3,209	3,340	3,064	(*)	3,522	3,530	3,323	3,330
451	Sporting goods, hobby, musical instrument, & book stores	97,657	2.8	10,391	8,861	8,998	10,040	8,605	9,303	9,357	9,295	9,136	8,954
452	General merchandise stores.....	741,564	3.1	76,581	70,683	66,464	74,215	69,188	70,070	70,145	70,343	68,109	68,323
4521	Department stores	117,235	1.3	12,723	10,903	10,407	13,079	11,103	10,928	11,254	11,540	11,268	11,465
4529	Other general merch. stores.....	(*)	(*)	(*)	59,780	56,057	61,136	58,085	(*)	58,891	58,803	56,841	56,858
45291	Warehouse clubs & supercenters.....	(*)	(*)	(*)	51,314	47,859	52,309	49,965	(*)	50,357	50,272	48,660	48,794
45299	All oth. gen. merch. stores.....	(*)	(*)	(*)	8,466	8,198	8,827	8,120	(*)	8,534	8,531	8,181	8,064
453	Miscellaneous store retailers	171,799	17.0	16,228	16,542	15,904	14,565	14,988	16,249	16,176	15,992	14,493	14,616
454	Nonstore retailers	1,146,119	11.4	123,493	108,292	101,908	114,631	97,978	109,084	110,124	109,410	101,265	99,875
4541	Elect. shopping & m/o houses	(*)	(*)	(*)	97,148	92,116	104,804	88,768	(*)	98,828	98,625	91,772	90,580
722	Food services & drinking places	934,468	17.2	84,968	90,778	87,314	74,782	80,332	90,391	89,613	88,196	79,218	78,449

(*) 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 <<https://www.census.gov/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, December 15, 2022. 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					
		Nov. 2022 Advance from --		Oct. 2022 Preliminary from --		Sep. 2022 through Nov. 2022 from --	
		Oct. 2022 (p)	Nov. 2021 (r)	Sep. 2022 (r)	Oct. 2021 (r)	Jun. 2022 through Aug. 2022	Sep. 2021 through Nov. 2021
441 4411, 4412 442 443 444 445 4451 446 447 448 451 452 4521 453 454 722	Retail & food services, total	-0.6	6.5	1.3	8.3	0.8	7.7
	Total (excl. motor vehicle & parts)	-0.2	7.7	1.2	8.9	0.8	8.6
	Total (excl. gasoline stations)	-0.6	5.6	1.0	7.3	1.4	6.8
	Total (excl. motor vehicle & parts & gasoline stations)	-0.2	6.7	0.8	7.8	1.6	7.5
	Retail	-0.8	5.4	1.3	7.4	0.4	6.9
	Motor vehicle & parts dealers	-2.3	1.3	1.6	5.5	1.0	4.0
	Auto & other motor veh. dealers ...	-2.6	0.5	1.9	5.2	0.9	3.4
	Furniture & home furn. stores	-2.6	-3.2	2.0	0.4	-1.2	-1.3
	Electronics & appliance stores	-1.5	-4.4	-0.9	-13.2	-3.9	-9.3
	Building material & garden eq. & supplies dealers.....	-2.5	3.6	1.3	9.2	0.8	7.4
	Food & beverage stores.....	0.8	8.1	1.3	7.5	2.2	7.6
	Grocery stores	0.8	8.6	1.3	7.8	2.2	8.0
	Health & personal care stores	0.7	4.5	0.0	4.6	1.3	4.4
	Gasoline stations	-0.1	16.2	4.8	18.8	-4.9	17.8
	Clothing & clothing accessories stores	-0.2	0.7	0.0	3.9	1.4	3.0
	Sporting goods, hobby, musical instrument, & book stores	-0.6	1.8	0.7	4.5	0.5	3.6
	General merchandise stores.....	-0.1	2.9	-0.3	2.7	1.0	3.2
	Department stores	-2.9	-3.0	-2.5	-1.8	-1.0	-1.1
	Miscellaneous store retailers	0.5	12.1	1.2	10.7	1.0	11.3
	Nonstore retailers	-0.9	7.7	0.7	10.3	0.9	10.0
	Food services & drinking places	0.9	14.1	1.6	14.2	3.8	13.7

(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, December 15, 2022. 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 Nov. 2022

(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 Current Mo. (%)	Median standard error Percent change			Revision for month- to-month change	
			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	0.8	0.3	0.2	0.4	0.2	0.2
	Total (excl. motor vehicle & parts)	0.9	0.2	0.2	0.4	0.2	0.2
	Total (excl. gasoline stations)	0.9	0.3	0.2	0.4	0.2	0.3
	Total (excl. motor vehicle & parts & gasoline stations)	1.0	0.3	0.2	0.4	0.2	0.3
	Retail, total	0.7	0.3	0.2	0.4	0.1	0.3
441	Motor vehicle & parts dealers	1.6	0.9	0.4	1.1	0.1	0.4
4411, 4412	Auto & other motor veh. dealers	1.6	1.0	0.4	1.2	0.1	0.5
442	Furniture & home furn. stores.....	2.5	1.0	0.7	1.6	0.2	0.9
443	Electronics & appliance stores	2.1	0.6	0.5	0.9	0.1	0.6
444	Building material & garden eq. & supplies dealers.....	2.5	0.7	0.5	1.1	-0.1	0.3
445	Food & beverage stores.....	0.7	0.1	0.2	0.4	0.1	0.2
4451	Grocery stores	0.7	0.1	0.2	0.5	0.2	0.1
446	Health & personal care stores	3.4	0.4	0.3	0.9	0.5	0.6
447	Gasoline stations	1.2	0.3	0.3	0.9	0.2	1.1
448	Clothing & clothing accessories stores	2.6	0.9	0.7	1.4	0.1	0.4
451	Sporting goods, hobby, musical instrument, & book stores	2.7	0.7	0.9	1.6	0.0	0.2
452	General merchandise stores.....	1.1	0.1	0.1	0.1	0.1	0.2
4521	Department stores	0.0	0.0	0.0	0.0	0.1	0.1
453	Miscellaneous store retailers	5.2	3.0	1.4	3.3	-0.3	2.3
454	Nonstore retailers	1.5	0.5	0.4	0.7	0.5	1.0
722	Food services & drinking places	3.8	0.9	0.6	1.7	0.5	0.4

(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, December 15, 2022. 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>.