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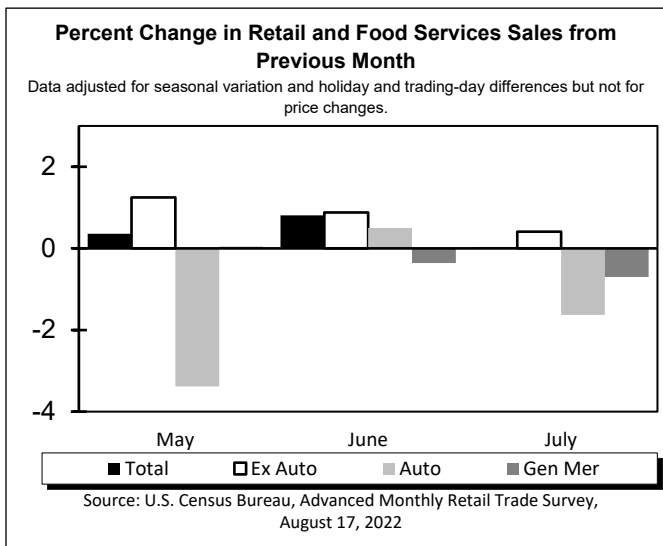
ADVANCE MONTHLY SALES FOR RETAIL AND FOOD SERVICES, JULY 2022

Release Number: CB22-128

August 17, 2022 — The U.S. Census Bureau announced the following advance estimates of U.S. retail and food services sales for July 2022:

ADVANCE MONTHLY SALES

July 2022	**$682.8 billion**	**0.0%***
June 2022 (revised)	**$682.6 billion**	**0.8%**

Next release: September 15, 2022

* 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, August 17, 2022

Percent Change in Retail and Food Services Sales from Previous Month
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, August 17, 2022

Advance Estimates of U.S. Retail and Food Services

Advance estimates of U.S. retail and food services sales for July 2022, adjusted for seasonal variation and holiday and trading-day differences, but not for price changes, were $682.8 billion, virtually unchanged (±0.5 percent)* from the previous month, but 10.3 percent (±0.7 percent) above July 2021. Total sales for the May 2022 through July 2022 period were up 9.2 percent (±0.5 percent) from the same period a year ago. The May 2022 to June 2022 percent change was revised from up 1.0 percent (±0.5 percent) to up 0.8 percent (±0.2 percent).

Retail trade sales were virtually unchanged (±0.4 percent)* from June 2022, but up 10.1 percent (±0.7 percent) above last year. Gasoline stations were up 39.9 percent (±1.6 percent) from July 2021, while nonstore retailers were up 20.2 percent (±1.2 percent) from last year.

General Information

The August 2022 Advance Monthly Retail report is scheduled for release on September 15, 2022 at 8:30 a.m. EDT. 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/>.

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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 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

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standard error is 0.9 percent, then the margin of sampling error is ±1.753 x 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 ±1.753 x CV x (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
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 second quarter 2022 Advance Quarterly Services Report will be available on August 19, 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>

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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.

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 7 Month Total 2022	Not Adjusted 7 Month Total % Chg. 2021	Not Adjusted 2022 Jul.[3] (a)	Not Adjusted 2022 Jun. (p)	Not Adjusted 2022 May (r)	Not Adjusted 2021 Jul.	Not Adjusted 2021 Jun.	Adjusted[2] 2022 Jul.[3] (a)	Adjusted[2] 2022 Jun. (p)	Adjusted[2] 2022 May (r)	Adjusted[2] 2021 Jul. (r)	Adjusted[2] 2021 Jun. (r)
	Retail & food services,												
	total	**4,622,325**	**10.2**	**691,302**	**695,711**	**705,001**	**636,312**	**638,109**	**682,815**	**682,585**	**677,115**	**619,180**	**628,881**
	Total (excl. motor vehicle & parts) ...	3,721,670	12.3	563,217	563,100	572,984	507,189	505,812	557,867	555,563	550,725	496,834	501,804
	Total (excl. gasoline stations)	4,172,768	7.7	617,792	620,393	632,118	583,234	587,217	615,375	613,927	610,127	570,971	582,191
	Total (excl. motor vehicle & parts & gasoline stations)	3,272,113	9.3	489,707	487,782	500,101	454,111	454,920	490,427	486,905	483,737	448,625	455,114
	Retail	4,038,784	8.9	600,605	607,656	614,474	554,845	560,679	596,765	596,594	591,793	542,106	553,044
	GAFO[4]	**(*)**	**(*)**	**(*)**	**123,006**	**126,342**	**123,638**	**121,517**	**(*)**	**125,360**	**125,428**	**123,959**	**124,603**
441	**Motor vehicle & parts dealers ....**	**900,655**	**2.4**	**128,085**	**132,611**	**132,017**	**129,123**	**132,297**	**124,948**	**127,022**	**126,390**	**122,346**	**127,077**
4411, 4412	Auto & other motor veh. dealers .	829,735	1.7	117,772	121,846	121,308	119,419	122,624	114,676	116,711	115,973	112,979	117,794
44111	New car dealers	(*)	(*)	(*)	95,294	95,567	95,559	96,934	(NA)	(NA)	(NA)	(NA)	(NA)
4413	Auto parts, acc. & tire stores............	(*)	(*)	(*)	10,765	10,709	9,704	9,673	(*)	10,311	10,417	9,367	9,283
442	**Furniture & home furn. stores ....**	**81,913**	**1.9**	**11,989**	**11,906**	**12,180**	**12,027**	**11,730**	**12,122**	**12,100**	**12,144**	**11,873**	**11,909**
4421	Furniture stores	(*)	(*)	(*)	6,690	6,758	6,589	6,406	(NA)	(NA)	(NA)	(NA)	(NA)
4422	Home furnishings stores	(*)	(*)	(*)	(S)	(S)	(S)	(S)	(NA)	(NA)	(NA)	(NA)	(NA)
443	**Electronics & appliance stores ....**	**48,964**	**-4.9**	**7,025**	**7,016**	**7,072**	**7,920**	**7,891**	**7,619**	**7,585**	**7,596**	**8,453**	**8,540**
444	**Building material & garden eq. & supplies dealers....................**	**299,927**	**6.3**	**43,700**	**48,198**	**50,099**	**41,162**	**44,931**	**42,655**	**42,042**	**42,257**	**38,759**	**39,249**
4441	Building mat. & sup. dealers	(*)	(*)	(*)	41,855	42,979	36,401	39,143	(*)	36,747	36,955	33,830	34,276
445	**Food & beverage stores........................**	**537,263**	**7.8**	**81,445**	**79,198**	**79,628**	**75,644**	**73,120**	**78,964**	**78,803**	**78,111**	**72,837**	**73,116**
4451	Grocery stores	482,861	8.7	73,001	70,944	71,460	67,187	64,865	70,806	70,661	69,990	64,852	64,930
4453	Beer, wine & liquor stores	(*)	(*)	(*)	6,041	5,919	6,162	5,986	(*)	5,911	5,872	5,706	5,892
446	**Health & personal care stores ....**	**227,171**	**4.0**	**32,480**	**33,485**	**32,952**	**31,992**	**32,617**	**33,623**	**33,485**	**32,985**	**32,512**	**32,715**
44611	Pharmacies & drug stores	(*)	(*)	(*)	27,525	27,158	26,607	27,021	(*)	27,608	27,158	26,957	27,211
447	**Gasoline stations ....**	**449,557**	**40.6**	**73,510**	**75,318**	**72,883**	**53,078**	**50,892**	**67,440**	**68,658**	**66,988**	**48,209**	**46,690**
448	**Clothing & clothing accessories stores ....**	**167,309**	**8.7**	**25,280**	**25,050**	**26,831**	**25,219**	**24,618**	**25,891**	**26,040**	**25,812**	**25,303**	**25,799**
44811	Men's clothing stores	(*)	(*)	(*)	(S)	(S)	(S)	(S)	(*)	(S)	(S)	(S)	(S)
44812	Women's clothing stores	(*)	(*)	(*)	3,280	3,704	3,437	3,368	(*)	3,350	3,352	3,500	3,458
44814	Family clothing stores	(*)	(*)	(*)	9,942	10,174	10,204	9,859	(NA)	(NA)	(NA)	(NA)	(NA)
4482	Shoe stores	(*)	(*)	(*)	3,170	3,485	3,520	3,389	(*)	3,330	3,345	3,362	3,609
451	**Sporting goods, hobby, musical instrument, & book stores ....**	**59,278**	**1.6**	**9,236**	**9,298**	**8,851**	**8,965**	**9,100**	**9,218**	**9,206**	**9,153**	**8,876**	**8,957**
452	**General merchandise stores..................**	**453,272**	**1.8**	**66,770**	**67,130**	**68,782**	**66,868**	**65,694**	**67,334**	**67,806**	**68,053**	**67,006**	**66,887**
4521	Department stores	71,483	2.2	10,702	10,730	11,026	10,958	10,798	11,191	11,246	11,527	11,353	11,564
4529	Other general merch. stores....	(*)	(*)	(*)	56,400	57,756	55,910	54,896	(*)	56,560	56,526	55,653	55,323
45291	Warehouse clubs & supercenters.................................	(*)	(*)	(*)	47,782	48,612	48,139	46,910	(*)	48,119	47,988	47,804	47,432
45299	All oth. gen. merch. stores............	(*)	(*)	(*)	8,618	9,144	7,771	7,986	(*)	8,441	8,538	7,849	7,891
453	**Miscellaneous store retailers ....**	**106,950**	**20.7**	**16,614**	**16,973**	**17,155**	**14,369**	**14,266**	**16,327**	**16,082**	**15,515**	**13,864**	**13,588**
454	**Nonstore retailers ....**	**706,525**	**11.8**	**104,471**	**101,473**	**106,024**	**88,478**	**93,523**	**110,624**	**107,765**	**106,789**	**92,068**	**98,517**
4541	Elect. shopping & m/o houses	(*)	(*)	(*)	91,479	95,798	80,468	85,330	(*)	96,803	95,990	83,042	89,632
722	**Food services & drinking places ....**	**583,541**	**20.0**	**90,697**	**88,055**	**90,527**	**81,467**	**77,430**	**86,050**	**85,991**	**85,322**	**77,074**	**75,837**

(*) 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, August 17, 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]					
		Jul. 2022 Advance from --		Jun. 2022 Preliminary from --		May 2022 through Jul. 2022 from --	
		Jun. 2022 (p)	Jul. 2021 (r)	May 2022 (r)	Jun. 2021 (r)	Feb. 2022 through Apr. 2022	May 2021 through Jul. 2021
	Retail & food services, total	0.0	10.3	0.8	8.5	1.8	9.2
	Total (excl. motor vehicle & parts)	0.4	12.3	0.9	10.7	3.0	11.7
	Total (excl. gasoline stations)	0.2	7.8	0.6	5.5	1.1	6.3
	Total (excl. motor vehicle & parts & gasoline stations)	0.7	9.3	0.7	7.0	2.2	8.3
	Retail	0.0	10.1	0.8	7.9	1.5	8.5
441	Motor vehicle & parts dealers	-1.6	2.1	0.5	0.0	-3.2	-0.6
4411, 4412	Auto & other motor veh. dealers ...	-1.7	1.5	0.6	-0.9	-3.7	-1.5
442	Furniture & home furn. stores	0.2	2.1	-0.4	1.6	-0.3	1.7
443	Electronics & appliance stores	0.4	-9.9	-0.1	-11.2	-0.8	-9.0
444	Building material & garden eq. & supplies dealers...........................	1.5	10.1	-0.5	7.1	-0.1	7.7
445	Food & beverage stores...........................	0.2	8.4	0.9	7.8	2.1	8.0
4451	Grocery stores	0.2	9.2	1.0	8.8	2.4	8.9
446	Health & personal care stores	0.4	3.4	1.5	2.4	2.0	3.4
447	Gasoline stations	-1.8	39.9	2.5	47.1	8.7	43.9
448	Clothing & clothing accessories stores	-0.6	2.3	0.9	0.9	-0.1	2.4
451	Sporting goods, hobby, musical instrument, & book stores	0.1	3.9	0.6	2.8	2.2	2.4
452	General merchandise stores....................	-0.7	0.5	-0.4	1.4	-0.4	1.4
4521	Department stores	-0.5	-1.4	-2.4	-2.7	-0.7	-1.1
453	Miscellaneous store retailers	1.5	17.8	3.7	18.4	3.4	20.0
454	Nonstore retailers	2.7	20.2	0.9	9.4	4.6	13.4
722	Food services & drinking places	0.1	11.6	0.8	13.4	4.0	14.2

(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, August 17, 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 Jul. 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[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	0.8	0.3	0.2	0.4	0.2	0.2
	Total (excl. motor vehicle & parts)	0.9	0.2	0.2	0.4	0.3	0.2
	Total (excl. gasoline stations)	0.9	0.3	0.2	0.5	0.2	0.2
	Total (excl. motor vehicle & parts & gasoline stations)	1.0	0.3	0.2	0.4	0.2	0.3
	Retail, total	0.7	0.2	0.2	0.4	0.2	0.2
441	**Motor vehicle & parts dealers**	1.5	0.8	0.4	1.2	0.2	0.5
4411, 4412	Auto & other motor veh. dealers	1.6	0.9	0.4	1.2	0.2	0.5
442	**Furniture & home furn. stores**................	2.8	0.9	0.7	1.6	-0.1	1.3
443	**Electronics & appliance stores**	2.1	0.6	0.4	0.9	-0.5	0.7
444	**Building material & garden eq. & supplies dealers**....................................	2.5	0.7	0.6	1.1	0.0	0.4
445	**Food & beverage stores**..........................	0.6	0.2	0.2	0.5	0.1	0.3
4451	Grocery stores	0.7	0.1	0.2	0.5	0.1	0.3
446	**Health & personal care stores**	3.6	0.4	0.3	1.1	0.5	0.8
447	**Gasoline stations**	1.2	0.3	0.3	0.9	0.7	1.1
448	**Clothing & clothing accessories stores**	2.3	0.9	0.7	1.7	0.3	0.7
451	**Sporting goods, hobby, musical instrument, & book stores**	2.7	0.7	0.9	1.6	-0.1	0.8
452	**General merchandise stores**...................	1.1	0.1	0.1	0.2	0.1	0.2
4521	Department stores	0.0	0.0	0.0	0.0	0.1	0.2
453	**Miscellaneous store retailers**	5.0	2.4	1.5	4.4	-0.2	1.3
454	**Nonstore retailers**	1.5	0.5	0.4	0.7	0.3	1.3
722	**Food services & drinking places**	3.8	1.0	0.7	2.1	0.5	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, August 17, 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>.