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## ADVANCE MONTHLY SALES FOR RETAIL AND FOOD SERVICES APRIL 2010

**Notice of Revision:** Monthly retail sales and inventories were revised based on the results of the 2008 Annual Retail Trade Survey. The Annual Revision of Monthly Retail and Food Services showing revised data can be found on our website at <a href="http://www.census.gov/retail/mrts/www/benchmark/2010/html/annrev10.html">http://www.census.gov/retail/mrts/www/benchmark/2010/html/annrev10.html</a>.

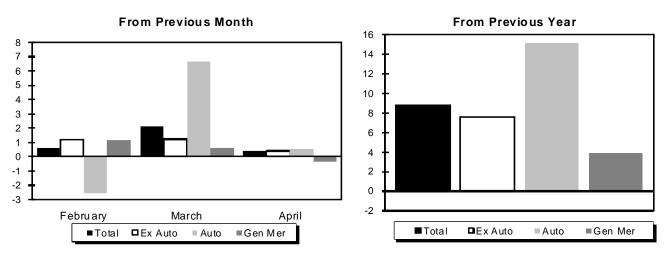
The U.S. Census Bureau announced today that advance estimates of U.S. retail and food services sales for April, adjusted for seasonal variation and holiday and trading-day differences, but not for price changes, were \$366.4 billion, an increase of 0.4 percent ( $\pm 0.5\%$ )\* from the previous month and 8.8 percent ( $\pm 0.5\%$ ) above April 2009. Total sales for the February through April 2010 period were up 7.3 percent ( $\pm 0.3\%$ ) from the same period a year ago. The February to March 2010 percent change was revised from +1.9 percent ( $\pm 0.5\%$ ) to +2.1 percent ( $\pm 0.4\%$ ).

Retail trade sales were up 0.5 percent ( $\pm 0.5\%$ )\* from March 2010 and 9.6 percent ( $\pm 0.7\%$ ) above last year. Gasoline stations sales were up 30.1 percent ( $\pm 1.5\%$ ) from April 2009 and motor vehicle and parts dealers sales were up 15.1 percent ( $\pm 2.5\%$ ) from last year.

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 5,000 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. Responding firms account for approximately 65% of the MARTS dollar volume estimate. For an explanation of the measures of sampling variability included in this report, please see the Reliability of Estimates section on the last page of this publication.

## Percent Change in Retail and Food Services Sales

(Estimates adjusted for seasonal variation and holiday and trading-day differences, but not for price changes)



The Advance Monthly Sales for Retail and Food Services for May is scheduled to be released June 11, 2010 at 8:30 a.m. EDT.

For information, visit the Census Bureau's Web site at <http://www.census.gov/retail>. This report is also available the day of issue through the Department of Commerce's STAT-USA (202-482-1986).

\* The 90 percent confidence interval includes zero. The Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different than 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.)

	Kind of Business	Not Adjusted							Adjusted <sup>2</sup>				
NAICS <sup>1</sup> code		4 Month Total		2010		2009		2010		2009			
			% Chg.	Apr. <sup>3</sup>	Mar.	Feb.	Apr.	Mar.	Apr. <sup>3</sup>	Mar.	Feb.	Apr.	Mar.
		2010	2009	(a)	(p)	(r)			(a)	(p)	(r)	(r)	(r)
	Retail & food services,												
	total	1,374,959	7.0	365,832	369,616	317,961	334,767	333,230	366,404	364,854	357,272	336,713	336,207
	Total (excl. motor vehicle & parts)	1,135,257	6.4	299,510	300,309	264,903	277,188	274,636	303,536	302,323	298,653	282,099	281,535
	Retail	1,222,711	7.6	325,707	329,571	281,998	296,355	294,238	326,950	325,440	318,054	298,339	297,904
	GAFO⁴	(*)	(*)	(*)	92,865	83,866	86,369	86,438	(*)	96,678	95,628	92,363	91,970
441	Motor vehicle & parts dealers	239,702	9.8	66,322	69,307	53,058	57,579	58,594	62,868	62,531	58,619	54,614	54,672
4411, 4412	Auto & other motor veh. dealers .	215,365	11.2	59,723	62,601	47,392	51,082	52,101	56,449	56,144	52,309	48,282	48,331
44111	New car dealers	(*)	(*)	(*)	50,267	37,442	39,956	41,052	(NA)	(NA)	(NA)	(NA)	(NA)
4413	Auto parts, acc. & tire stores	(*)	(*)	(*)	6,706	5,666	6,497	6,493	(NA)	(NA)	(NA)	(NA)	(NA)
442	Furniture & home furn. stores	28,811	2.4	7,313	7,796	6,935	6,933	7,234	7,755	7,851	7,688	7,415	7,450
4421	Furniture stores	(*)	(*)	(*)	4,343	4,086	3,758	4,040	(NA)	(NA)	(NA)	(NA)	(NA)
4422	Home furnishings stores	(*)	(*)	(*)	3,453	2,849	3,175	3,194	. ,	(NA)	(NA)	(NA)	(NA)
443	Electronics & appliance stores Appl., T.V. & camera	31,626	-0.1	7,407	8,122	8,198	7,093	7,759	,	8,565	8,679	8,225	8,296
44311, 13 44312	Computer & software stores	(*) (*)	(*) (*)	(*) (*)	6,295 1,827	6,516 1,682	5,574 1,519	6,140 1,619	(*) (*)	6,754 1,811	6,888 1,791	6,581 1,644	6,659 1,637
444	Building material & garden eq. &	()	()	()	1,021	1,002	1,010	1,010	()	1,011	1,701	1,011	1,007
	supplies dealers	85,880	2.9	29,358	23,552	16,625	25,730	22,148	25,495	23,853	22,132	22,741	22,922
4441	Building mat. & sup. dealers	(*)	(*)	(*)	19,676	14,235	20,898	18,840	(*)	19,996	18,320	19,513	19,584
445	Food & beverage stores	188,875	2.8	47,599	48,788	44,829	46,975	46,224	48,935	49,159	49,321	47,773	47,644
4451	Grocery stores	169,935	2.7	42,505	43,774	40,343	42,024	41,561	43,595	43,818	43,995	42,621	42,496
4453	Beer, wine & liquor stores	(*)	(*)	(*)	3,200	2,895	3,153	3,040	(*)	3,463	3,463	3,358	3,370
446	Health & personal care stores	85,959	2.9	21,873	22,761	20,369	21,174	21,647	21,851	21,657	21,509	21,111	21,181
44611	Pharmacies & drug stores	(*)	(*)	(*)	19,359	17,304	18,267	18,550	(*)	18,420	18,292	18,194	18,168
447	Gasoline stations	135,562	28.5	36,627	35,664	30,653	28,066	27,204	36,300	36,134	35,768	27,899	27,959
448	Clothing & clothing accessories												
	stores	63,954	5.1	17,393	17,716	15,240	16,498	15,794	18,260	18,439	17,977	17,280	17,006
44811	Men's clothing stores	(*)	(*)	(*)	635	526	728	588	(*)	(S)	(S)	(S)	(S)
44812	Women's clothing stores	(*)	(*)	(*)	3,176	2,426	3,199	2,893	(*)	3,129	3,044	2,979	2,952
44814	Family clothing stores	(*)	(*)	(*)	6,872	5,607	6,097	6,032	(NA)	(NA)	(NA)	(NA)	(NA)
4482	Shoe stores	(*)	(*)	(*)	2,360	2,067	2,187	2,089	(*)	2,302	2,292	2,130	2,140
451	Sporting goods, hobby, book & music stores	05 770	4.0	0.045	0.004	E 0.47	0.007	0 457	7 404	7 000	7.400	7 000	0.000
		25,770	4.9	6,345	6,804	5,647	6,097	6,157	-	7,332	7,166	7,000	6,826
452	General merchandise stores	186,988	3.5 0.8	48,200	49,441	45,028	46,880	46,607	51,094	51,289	50,966	49,189	49,196
4521 4521	Department stores (ex. L.D.) Department stores (incl. L.D.) <sup>5</sup>	55,025 (*)	(*)	14,525 (*)	14,945 15,284	13,126 13,424	14,694 15,086	14,182 14,562	-	16,148 (NA)	15,936 (NA)	15,760 (NA)	15,729 (NA)
4529	Other general merch. stores	(*)	(*)	(*)	34,496	31,902	32,186	32,425	(*)	35,141	35,030	33,429	33,467
45291	Warehouse clubs &	. /	. ,	. /					. /				
	supercenters	(*)	(*)	(*)	30,236	28,135	28,355	28,723	(*)	30,790	30,715	29,536	29,611
45299	All oth. gen. merch. stores	(*)	(*)	(*)	4,260	3,767	3,831	3,702	(*)	4,351	4,315	3,893	3,856
453	Miscellaneous store retailers	35,496	2.7	9,415	9,562	8,321	9,010	8,940	9,695	9,723	9,474	9,443	9,360
454	Nonstore retailers	114,088	13.0	27,855	30,058	27,095	24,320	25,930	28,968	28,907	28,755	25,649	25,392
4541	Elect. shopping & m/o houses	(*)	(*)	(*)	21,950	18,884	17,896	18,437	(*)	21,668	21,266	18,858	18,604
722	Food services & drinking places	152,248	1.9	40,125	40,045	35,963	38,412	38,992	39,454	39,414	39,218	38,374	38,303

(\*) Advance estimates are not available for this kind of business.

(NA) Not available

(S) Suppressed (a) Advance estimate (p) Preliminary estimate (r) Revised estimate

(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-12 ARIMA 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, book, and music (451), general merchandise (452), office supply, stationery, and gift stores (4532).

(5) Estimates include data for leased departments operated within department stores. Data for this line are not included in broader kind-of-business totals.

Note: 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 http://www.census.gov/retail

## 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.)

		Percent Change <sup>1</sup>								
NAICS	Kind of Business	Apr. 2010 froi		Mar. 2010 F froi	Preliminary m	Feb. 2010 through Apr. 2010 from –				
code		Mar. 2010 (p)	Apr. 2009 (r)	Feb. 2010 (r)	Mar. 2009 (r)	Nov. 2009 through Jan. 2010	Feb. 2009 through Apr. 2009			
	Retail & food services,									
	total	0.4	8.8	2.1	8.5	2.4	7.3			
	Total (excl. motor vehicle & parts)	0.4	7.6	1.2	7.4	2.5	6.6			
	Retail	0.5	9.6	2.3	9.2	2.4	7.9			
<b>441</b> 4411, 4412	Motor vehicle & parts dealers Auto & other motor veh. dealers	0.5 0.5	15.1 16.9	6.7 7.3	14.4 16.2	1.9 1.7	11.1 12.6			
442	Furniture & home furn. stores	-1.2	4.6	2.1	5.4	3.5	3.5			
443	Electronics & appliance stores	-0.4	3.8	-1.3	3.2	2.6	1.4			
444	Building material & garden eq. & supplies dealers	6.9	12.1	7.8	4.1	7.6	4.0			
<b>445</b> 4451	Food & beverage stores Grocery stores	-0.5 -0.5	2.4 2.3	-0.3 -0.4	3.2 3.1	1.1 1.0	3.2 3.2			
446	Health & personal care stores	0.9	3.5	0.7	2.2	1.0	2.8			
447	Gasoline stations	0.5	30.1	1.0	29.2	1.6	27.6			
448	Clothing & clothing accessories stores	-1.0	5.7	2.6	8.4	4.3	5.1			
451	Sporting goods, hobby, book & music stores	-1.9	2.8	2.3	7.4	2.2	4.4			
<b>452</b> 4521	General merchandise stores Department stores (ex. L.D.)	-0.4 -1.5	3.9 0.9	0.6 1.3	4.3 2.7	2.1 1.9	3.7 1.5			
453	Miscellaneous store retailers	-0.3	2.7	2.6	3.9	2.1	2.1			
454	Nonstore retailers	0.2	12.9	0.5	13.8	2.3	12.7			
722	Food services & drinking places	0.1	2.8	0.5	2.9	2.7	2.4			

(p) Preliminary estimate (r) Revised estimate

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

Note: 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 http://www.census.gov/retail.

Source: U.S. Census Bureau

#### **Survey Description**

The U.S. Census Bureau conducts the Advance Monthly Retail Trade and Food Services Survey (MARTS) 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 5,000 employer firms selected from the larger Monthly Retail Trade Survey (MRTS). Firms responding to MARTS account for approximately 65% of the total national sales estimate. Advance sales estimates are computed using a link relative estimator. The change in sales from the previous month is estimated using only units that have reported data for both the current and previous month. There is no imputation or adjustment for nonrespondents in MARTS. The total sales estimate is derived by multiplying this ratio by the preliminary sales estimate for the previous month (derived from the larger MRTS sample). Detailed industry estimates are summed to derive total estimates at broad industry levels. The monthly estimates are adjusted using annual survey estimates and for seasonal variation and holiday and trading-day differences. Additional information on MARTS and MRTS can be found on the Census Bureau website at: http://www.census.gov/retail. U.S. Department of Commerce U.S. Census Bureau Washington, D.C. 20233

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### **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 standard error is 0.9 percent, then the margin of sampling error is  $\pm 1.65 \times 0.9$  percent or  $\pm 1.5$  percent, and the 90 percent confidence interval is -0.3 percent to +2.7 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  $\pm 1.65 \times CV \times$ (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.

#### Table 3. Estimated Measures of Sampling Variability and Revision to Advance Estimates Apr 2010

	Kind of Business	Median CV <sup>(1)</sup> for Current Mo. (%)	Medi	an standard erro Percent change	Revision for month- to-month change <sup>(2)</sup>		
NAICS Code			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	0.3	-0.1	0.2
	Total (excl. motor vehicle & parts)	0.7	0.3	0.1	0.3	0.1	0.2
	Retail	0.7	0.3	0.2	0.4	-0.1	0.2
441	Motor vehicle & parts dealers	2.2	1.5	0.6	1.5	-0.9	0.7
4411, 4412	Auto & other motor veh. dealers .	2.6	1.7	0.7	1.6	-1.0	0.8
442	Furniture & home furn. stores	2.8	1.6	0.8	1.8	0.2	0.6
143	Electronics & appliance stores	1.4	0.6	0.5	1.0	0.1	0.7
444	Building material & garden eq. &						
	supplies dealers	2.7	1.2	0.9	1.2	0.0	0.4
445	Food & beverage stores	1.0	0.2	0.2	0.4	0.0	0.1
4451	Grocery stores	1.0	0.2	0.2	0.5	0.0	0.2
446	Health & personal care stores	1.9	0.4	0.4	0.8	0.0	0.5
447	Gasoline stations	2.4	0.5	0.4	0.9	0.7	0.6
448	Clothing & clothing accessories						
	stores	2.5	0.7	0.6	1.0	-0.1	0.5
451	Sporting goods, hobby, book &						
	music stores	3.1	1.8	1.0	2.0	-0.1	0.4
452	General merchandise stores	0.2	0.0	0.0	0.1	-0.1	0.2
4521	Department stores (ex. L.D.)	0.0	0.0	0.0	0.0	-0.1	0.3
453	Miscellaneous store retailers	3.1	2.1	1.6	2.6	0.5	1.1
454	Nonstore retailers	2.0	0.8	0.5	1.1	0.2	0.2
722	Food services & drinking places	1.9	0.7	0.7	1.1	0.1	0.4



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

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.

Note: Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at http://www.census.gov/retail