

FOR WIRE TRANSMISSION 8:30 A.M. ET, Monday, April 14, 2003

CB03-63

MANUFACTURING AND TRADE INVENTORIES AND SALES February 2003

INTENTION TO REVISE: Revisions to the Retail adjusted and unadjusted monthly estimates for sales and inventories are scheduled for release April 30. Manufacturing estimates will be revised at a later date. Revisions to the Wholesale sales and inventories estimates were published April 3 and are reflected in this release. Revisions to the Retail data will be reflected in the March 2003 MTIS scheduled for May 15, 2003. Revised historical data can be found on the Internet at: <http://www.census.gov/mtis/www/mtis.html>.

Sales. The Census Bureau of the Department of Commerce announced today that the combined value of distributive trade sales and manufacturers' shipments (excluding semiconductors) for February, adjusted for seasonal and trading-day differences but not for price changes, were estimated at \$836.4 billion, down 1.0 percent ($\pm 0.1\%$) from January and were up 4.1 percent ($\pm 0.3\%$) from February 2002.

Inventories. Manufacturers' and trade inventories (excluding semiconductors) adjusted for seasonal variations but not for price changes, were estimated at an end-of-month level of \$1,155.4 billion, up 0.6 percent ($\pm 0.1\%$) from January and up 3.2 percent ($\pm 0.4\%$) from February 2002.

Inventories/Sales Ratio. The total business inventories/sales ratio based on seasonally adjusted data at the end of February was 1.38. The February 2002 ratio was 1.39.

Total Business Inventories/Sales Ratios: 1994 to 2003

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



The Manufacturing and Trade Inventories and Sales Report for March is scheduled for release May 15, 2003 at 8:30 a.m.

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The wholesale and manufacturing data in this report also appear in the following monthly Census Bureau publications: Current Industrial Reports (see M3 series for manufacturers data) and Current Business Reports (see BW series for merchant wholesalers). Retail data are available on the Census website at <http://www.census.gov/mrts/www/mrts.html>. February data was released April 2 for Manufacturers and April 8 for merchant wholesalers. The data are also available the day of issue on the Internet- <http://www.census.gov/bussales> - and on Department of Commerce's STAT-USA website; for information, call (202) 482-1986.

Table 1. Estimated Monthly Sales and Inventories for Manufacturers, Retailers, and Merchant Wholesalers
(In millions of dollars)

| | Sales | | | Inventories ¹ | | | Inventories/Sales Ratios | | |
|------------------------------------|-----------|-----------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|-----------|
| | Feb. 2003 | Jan. 2003 | Feb. 2002 | Feb. 2003 | Jan. 2003 | Feb. 2002 | Feb. 2003 | Jan. 2003 | Feb. 2002 |
| | (p) | (r) | (s) | (p) | (r) | (s) | | | |
| Adjusted | | | | | | | | | |
| Total business ³ | 836,379 | 844,427 | 803,594 | 1,155,441 | 1,149,074 | 1,119,707 | 1.38 | 1.36 | 1.39 |
| Manufacturers ^{3,4} | 322,220 | 327,265 | 311,476 | 432,963 | 431,311 | 434,087 | 1.34 | 1.32 | 1.39 |
| Retailers..... | 276,014 | 280,184 | 267,919 | 432,934 | 429,058 | 401,157 | 1.57 | 1.53 | 1.50 |
| Merchant wholesalers..... | 238,145 | 236,978 | 224,199 | 289,544 | 288,705 | 284,463 | 1.22 | 1.22 | 1.27 |
| Not Adjusted | | | | | | | | | |
| Total business..... | 772,236 | 781,650 | 743,673 | 1,155,670 | 1,143,046 | 1,119,142 | 1.50 | 1.46 | 1.50 |
| Manufacturers ^{3,4} | 310,119 | 299,447 | 302,013 | 435,337 | 429,500 | 436,483 | 1.40 | 1.43 | 1.45 |
| Retailers..... | 244,669 | 253,688 | 237,126 | 429,643 | 421,336 | 396,754 | 1.76 | 1.66 | 1.67 |
| Merchant wholesalers..... | 217,448 | 228,515 | 204,534 | 290,690 | 292,210 | 285,905 | 1.34 | 1.28 | 1.40 |

See footnotes and notes at the end of Table 3.

(p) Preliminary.

(r) Revised.

(s) Adjusted data were revised due to concurrent seasonal adjustment. No revisions were made to Not Adjusted data.

Table 2. Percent Changes for Sales and Inventories -- Manufacturers, Retailers, and Merchant Wholesalers

| | Adjusted | | | | | | Not Adjusted | | | | | |
|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Sales | | | Inventories | | | Sales | | | Inventories | | |
| | Feb. 03/ Jan. 03 | Jan. 03/ Dec. 02 | Feb. 03/ Feb. 02 | Feb. 03/ Jan. 03 | Jan. 03/ Dec. 02 | Feb. 03/ Feb. 02 | Feb. 03/ Jan. 03 | Jan. 03/ Dec. 02 | Feb. 03/ Feb. 02 | Feb. 03/ Jan. 03 | Jan. 03/ Dec. 02 | Feb. 03/ Feb. 02 |
| Total business..... | -1.0 | 1.3 | 4.1 | 0.6 | 0.3 | 3.2 | -1.2 | -9.9 | 3.8 | 1.1 | 0.9 | 3.3 |
| Manufacturers..... | -1.5 | 1.9 | 3.4 | 0.4 | 0.1 | -0.3 | 3.6 | -4.5 | 2.7 | 1.4 | 2.0 | -0.3 |
| Retailers..... | -1.5 | 0.5 | 3.0 | 0.9 | 0.6 | 7.9 | -3.6 | -21.2 | 3.2 | 2.0 | 0.2 | 8.3 |
| Merchant wholesalers.. | 0.5 | 1.4 | 6.2 | 0.3 | 0.0 | 1.8 | -4.8 | -1.5 | 6.3 | -0.5 | 0.5 | 1.7 |

Table 3. Estimated Monthly Retail Sales, Inventories, and Inventories/Sales Ratios, By Kind of Business

(In millions of dollars)

| NAICS Code | Kind of Business | Sales | | | Inventories ¹ | | | Percent Change In Inventories | | | Inventories/Sales Ratios | | |
|------------|--|---------------|---------------|---------------|--------------------------|---------------|---------------|-------------------------------|-----------------|-----------------|--------------------------|---------|---------|
| | | Feb. 2003 (p) | Jan. 2003 (r) | Feb. 2002 (s) | Feb. 2003 (p) | Jan. 2003 (r) | Feb. 2002 (s) | Feb. 03/Jan. 03 | Jan. 03/Dec. 02 | Feb. 03/Feb. 02 | Feb. 03 | Jan. 03 | Feb. 02 |
| | Adjusted ² | | | | | | | | | | | | |
| | Retail trade, total..... | 276,014 | 280,184 | 267,919 | 432,934 | 429,058 | 401,157 | 0.9 | 0.6 | 7.9 | 1.57 | 1.53 | 1.50 |
| | Total (excl. motor veh. & parts)..... | 204,164 | 205,552 | 196,485 | 289,524 | 288,161 | 280,077 | 0.5 | 0.0 | 3.4 | 1.42 | 1.40 | 1.43 |
| 441 | Motor vehicle & parts dealers..... | 71,850 | 74,632 | 71,434 | 143,410 | 140,897 | 121,080 | 1.8 | 2.1 | 18.4 | 2.00 | 1.89 | 1.69 |
| 442,3 | Furniture, home furn., elect. & appl. stores.. | 15,430 | 15,646 | 15,703 | 27,013 | 27,056 | 25,653 | -0.2 | -0.4 | 5.3 | 1.75 | 1.73 | 1.63 |
| 444 | Building materials, garden equip & supplies.. | 25,451 | 27,019 | 25,460 | 42,968 | 42,111 | 40,210 | 2.0 | -0.6 | 6.9 | 1.69 | 1.56 | 1.58 |
| 445 | Food & beverage stores..... | 41,003 | 41,225 | 40,031 | 33,871 | 33,662 | 33,475 | 0.6 | -0.4 | 1.2 | 0.83 | 0.82 | 0.84 |
| 448 | Clothing & clothing access. stores..... | 14,678 | 14,887 | 14,740 | 35,132 | 35,113 | 33,145 | 0.1 | 1.7 | 6.0 | 2.39 | 2.36 | 2.25 |
| 452 | General merchandise stores..... | 39,125 | 38,644 | 37,775 | 65,660 | 65,881 | 64,233 | -0.3 | -1.0 | 2.2 | 1.68 | 1.70 | 1.70 |
| 4521 | Dept. str. (excl. leased depts.)..... | 18,285 | 18,234 | 19,278 | 39,652 | 40,043 | 40,428 | -1.0 | -0.9 | -1.9 | 2.17 | 2.20 | 2.10 |
| | Not Adjusted | | | | | | | | | | | | |
| | Retail trade, total..... | 244,669 | 253,688 | 237,126 | 429,643 | 421,336 | 396,754 | 2.0 | 0.2 | 8.3 | 1.76 | 1.66 | 1.67 |
| | Total (excl. motor veh. & parts)..... | 178,002 | 186,183 | 170,526 | 280,783 | 277,038 | 271,374 | 1.4 | -0.8 | 3.5 | 1.58 | 1.49 | 1.59 |
| 441 | Motor vehicle & parts dealers..... | 66,667 | 67,505 | 66,600 | 148,860 | 144,298 | 125,380 | 3.2 | 2.0 | 18.7 | 2.23 | 2.14 | 1.88 |
| 442,3 | Furniture, home furn., elect. & appl. stores.. | 13,762 | 14,720 | 14,068 | 25,743 | 26,217 | 24,447 | -1.8 | -2.2 | 5.3 | 1.87 | 1.78 | 1.74 |
| 444 | Building materials, garden equip & supplies.. | 19,942 | 21,917 | 20,152 | 43,355 | 41,142 | 40,572 | 5.4 | 0.4 | 6.9 | 2.17 | 1.88 | 2.01 |
| 445 | Food & beverage stores..... | 37,132 | 40,272 | 36,216 | 33,531 | 33,764 | 33,137 | -0.7 | -2.2 | 1.2 | 0.90 | 0.84 | 0.91 |
| 448 | Clothing & clothing access. stores..... | 11,903 | 11,013 | 11,887 | 33,375 | 32,199 | 31,455 | 3.7 | 1.0 | 6.1 | 2.80 | 2.92 | 2.65 |
| 452 | General merchandise stores..... | 32,894 | 32,101 | 31,444 | 61,992 | 60,929 | 60,631 | 1.7 | -1.8 | 2.2 | 1.88 | 1.90 | 1.93 |
| 4521 | Dept. str. (excl. leased depts.)..... | 14,640 | 14,243 | 15,408 | 37,154 | 36,719 | 37,921 | 1.2 | -1.9 | -2.0 | 2.54 | 2.58 | 2.46 |

(p) Preliminary (r) Revised (s) Adjusted data were revised due to concurrent seasonal adjustment. No revisions were made to Not Adjusted data.

¹ Inventories are on a non-LIFO basis as of the end of the month.

² Adjusted for seasonal variations and, in the case of sales, for trading-day differences and holiday variations. Concurrent seasonal adjustment is being used to adjust all sales, shipment and inventory estimates. Concurrent seasonal adjustment uses all available unadjusted estimates as input to the X-12-ARIMA program. The factors derived from the program are applied to the current and previous month estimates and for retail and wholesale estimates a year ago as well. For retail sales, concurrent seasonal adjustment is also used to adjust the advance estimates (published one month before the preliminary estimates) and the estimates one year before the advance month. This explains the revision to retail estimates from a year ago.

³ Total business and manufacturers estimates exclude semiconductor manufacturers. The number of semiconductor manufacturers choosing not to participate in the voluntary manufacturing monthly survey has risen to a level such that the Census Bureau can no longer produce monthly estimates of semiconductor data.

⁴ Manufacturers sales refer to the value of shipments by manufacturers. The shipments data from individual manufacturers are adjusted prior to tabulation for the number of trading days as well as for any variations in the length of the reporting period.

Note: U.S. and group totals include kinds of business not shown. The Manufacturing and Trade Inventory and Sales estimates are based on data from three surveys: the Monthly Retail Trade Survey, the Monthly Wholesale Trade Survey, and the Manufacturers' Shipments, Inventories, and Orders Survey. The sampling variability for retailers and merchant wholesalers can be used to construct a 90 percent confidence interval for the estimates. Over all possible samples, 90 percent of such intervals will cover the true estimate. These intervals are given in parentheses for the estimates on the front page. If, for example, the estimate is up 0.8 percent and the margin of sampling error is ± 1.2 percent, the 90 percent confidence interval is -0.4 percent to +2.0 percent. If the range contains 0, it is uncertain whether there was an increase or decrease. Measures of reliability for Retail and Wholesale sales and inventory levels and changes are included in the detailed monthly press releases for those industries. Manufacturers do not contribute to estimates of sampling variability because the manufacturer's mail panel is not a probability sample from a known frame and standard errors of the industry estimates cannot be calculated. Estimates from all three surveys are also subject to nonsampling errors, which can arise in any stage of the survey. Such errors include coverage error (failure to accurately represent all population units in the sample) response errors, coding errors, and nonresponse. Although no direct measurement of these errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data to minimize their influence.