

Real Inventories, Sales, and Inventory-Sales Ratios for Manufacturing and Trade, 2002:1

Tables 1, 2, and 3 show quarterly and monthly estimates of real inventories, sales, and inventory-sales ratios, respectively. Table 4 shows real manufacturing inventories by stage of fabrication. Real estimates are in chained (1996) dollars.

Data availability

Quarterly estimates for 2001:III of real manufacturing and trade inventories, sales, and inventory-sales ratios and of real manufacturing inventories by stage of fabrication were published in the April 2002 SURVEY OF CURRENT BUSINESS, and quarterly estimates for 1997:IV–2001:II were published in the October 2001

SURVEY.

These estimates are also available as downloadable files on BEA's Web site at <www.bea.gov>; click on "GDP and related data" and look under "Supplementary estimates, historical underlying detail," and click on "Change in private inventories."

The most recent estimates are also available by subscription from BEA: On diskette as part of the NIPA monthly update (product number NDS–0171, price \$204.00) and as separate monthly printouts (product number NLS–0166, price \$108.00). To order, call the BEA Order Desk at 1–800–704–0415 (outside the United States, 202–606–9666).

**Table 1B. Real Manufacturing and Trade Inventories, Seasonally Adjusted,
End of Period**

[Billions of chained (1996) dollars]

	2001		2001		2002			
	IV	I	Nov.	Dec.	Jan. ^a	Feb. ^a	Mar. ^a	Apr. ^a
Manufacturing and trade industries	1,144.9	1,139.6	1,147.1	1,144.9	1,145.3	1,142.9	1,139.6	1,137.1
Manufacturing industries	454.9	448.6	458.4	454.9	453.0	450.9	448.6	447.7
Durable goods industries	283.7	277.9	286.9	283.7	282.1	280.4	277.9	277.2
Wood product manufacturing	8.3	8.8	8.5	8.3	8.5	8.5	8.8	8.8
Nonmetallic mineral product manufacturing	9.3	9.1	9.5	9.3	9.2	9.1	9.1	9.1
Primary metal manufacturing	22.0	21.4	22.2	22.0	21.7	21.6	21.4	21.3
Fabricated metal product manufacturing	32.3	31.9	32.7	32.3	32.2	32.0	31.9	31.7
Machinery manufacturing	40.5	39.4	41.0	40.5	39.9	39.6	39.4	38.8
Computer and electronic product manufacturing	60.6	59.1	62.9	60.6	60.7	59.8	59.1	59.6
Electrical equipment, appliance, and component manufacturing	15.3	15.0	15.5	15.3	15.2	15.1	15.0	15.0
Transportation equipment manufacturing	68.2	66.2	67.5	68.2	67.7	67.7	66.2	65.9
Furniture and related product manufacturing	7.1	6.9	7.3	7.1	7.0	7.0	6.9	6.9
Miscellaneous manufacturing	17.3	17.3	17.2	17.3	17.2	17.3	17.3	17.4
Nondurable goods industries	171.2	170.8	171.5	171.2	170.9	170.6	170.8	170.5
Food manufacturing	34.9	34.9	34.8	34.9	35.0	35.0	34.9	35.0
Beverage and tobacco product manufacturing	11.9	12.0	11.8	11.9	11.9	11.8	12.0	11.8
Textile mills	6.5	6.2	6.6	6.5	6.3	6.3	6.2	6.1
Textile product mills	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5
Apparel manufacturing	8.9	8.4	8.9	8.9	8.7	8.6	8.4	8.3
Leather and allied product manufacturing	1.3	1.2	1.3	1.3	1.2	1.2	1.2	1.2
Paper manufacturing	17.0	16.9	16.9	17.0	17.0	16.9	16.9	16.8
Printing and related support activities	5.8	5.6	5.9	5.8	5.9	5.7	5.6	5.6
Petroleum and coal product manufacturing	10.8	11.3	10.6	10.8	10.6	10.9	11.3	11.1
Chemical manufacturing	52.4	52.4	52.6	52.4	52.4	52.4	52.4	52.5
Plastics and rubber product manufacturing	17.3	17.5	17.4	17.3	17.4	17.4	17.5	17.6
Merchant wholesale industries	312.5	310.1	313.5	312.5	311.9	310.0	310.1	307.9
Durable goods industries	192.1	189.0	194.1	192.1	191.2	189.6	189.0	188.2
Nondurable goods industries	119.6	120.2	118.7	119.6	119.9	119.5	120.2	118.8
Retail trade industries	377.0	380.0	375.0	377.0	379.7	381.1	380.0	380.4
Motor vehicle and parts dealers	113.9	116.4	111.6	113.9	115.8	117.4	116.4	117.2
Furniture and home furnishings, electronics, and appliance stores	29.2	29.9	28.8	29.2	29.8	29.8	29.9	30.0
Building materials, garden equipment and supply stores	38.5	39.4	38.3	38.5	38.8	39.0	39.4	39.6
Food and beverage stores	30.4	30.1	30.4	30.4	30.2	30.2	30.1	30.1
Clothing and accessory stores	29.7	29.7	30.2	29.7	30.6	29.9	29.7	30.0
General merchandise stores	63.1	62.0	64.0	63.1	62.2	62.4	62.0	61.9
Other retail stores	71.8	72.1	71.3	71.8	72.2	72.3	72.1	71.6

^a Preliminary.

^r Revised.

Note. Estimates in this table are based on the North American Industry Classification System (NAICS).

Chained (1996) dollar inventory series are calculated to ensure that the chained (1996) dollar change in inventories for 1996 equals the current-dollar change in inventories for 1996 and that the average of the 1995 and 1996 end-of-year chain-weighted and fixed-weighted inventories are equal. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

**Table 2B. Real Manufacturing and Trade Sales, Seasonally Adjusted
at Monthly Rate**

[Billions of chained (1996) dollars]

	2001		2001		2002			
	IV	I	Nov.	Dec.	Jan. ^a	Feb. ^a	Mar. ^a	Apr. ^a
Manufacturing and trade industries	855.7	860.3	851.0	858.0	865.6	857.8	857.4	865.9
Manufacturing industries	328.9	329.8	326.6	331.6	336.3	325.2	328.0	331.3
Durable goods industries	187.9	189.1	187.1	188.7	192.4	187.1	187.8	192.7
Wood product manufacturing	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.0
Nonmetallic mineral product manufacturing	6.8	6.9	6.7	6.8	6.9	6.7	7.0	7.6
Primary metal manufacturing	12.3	12.2	12.3	12.0	12.3	12.0	12.3	12.6
Fabricated metal product manufacturing	19.1	18.9	19.1	18.9	19.2	18.7	18.8	19.3
Machinery manufacturing	21.6	21.9	21.4	21.0	22.0	22.1	21.5	21.6
Computer and electronic product manufacturing	44.3	43.7	44.0	45.1	44.6	42.5	44.2	43.3
Electrical equipment, appliance, and component manufacturing	9.8	9.5	9.6	9.8	9.6	9.4	9.6	9.9
Transportation equipment manufacturing	52.9	54.6	52.9	54.2	56.2	54.3	53.2	56.4
Furniture and related product manufacturing	5.3	5.3	5.3	5.3	5.5	5.2	5.2	5.4
Miscellaneous manufacturing	9.0	9.1	9.0	8.9	9.1	9.1	9.2	9.3
Nondurable goods industries	140.5	140.3	139.0	142.4	143.4	137.7	139.7	138.4
Food manufacturing	38.0	38.1	38.1	38.4	38.5	37.8	37.8	38.0
Beverage and tobacco product manufacturing	7.1	6.9	6.8	7.1	7.1	6.6	7.0	6.5
Textile mills	3.8	3.8	3.7	3.7	3.7	3.8	3.8	4.1
Textile product mills	2.7	2.7	2.7	2.7	2.6	2.8	2.8	3.0
Apparel manufacturing	5.0	5.0	5.0	5.2	5.1	5.0	4.9	5.1
Leather and allied product manufacturing	7	6	7	7	6	6	6	7
Paper manufacturing	12.2	12.1	12.1	11.9	12.3	11.7	12.2	12.4
Printing and related support activities	7.6	7.5	7.5	7.6	7.6	7.4	7.6	7.6
Petroleum and coal product manufacturing	16.5	17.6	15.6	18.7	18.6	17.1	17.2	15.1
Chemical manufacturing	32.5	31.7	32.6	32.2	32.8	30.8	31.5	31.6
Plastics and rubber product manufacturing	14.5	14.6	14.4	14.6	14.8	14.5	14.5	14.9
Merchant wholesale industries	239.4	243.3	239.8	240.7	243.0	244.5	242.3	245.5
Durable goods industries	128.7	130.8	129.3	128.7	130.4	131.7	130.4	132.6
Nondurable goods industries	110.4	112.1	110.3	111.6	112.2	112.6	111.6	112.7
Retail trade industries	294.6	294.3	291.6	292.7	293.4	295.3	294.1	296.6
Motor vehicle and parts dealers	81.3	75.5	78.5	77.6	75.1	76.2	75.3	76.6
Furniture and home furnishings, electronics, and appliance stores	27.3	28.5	27.5	28.2	28.1	28.5	29.0	29.0
Building materials, garden equipment and supply stores	26.0	26.8	26.2	25.9	26.6	26.8	26.9	27.4
Food and beverage stores	36.7	37.1	36.7	36.9	37.2	37.0	37.0	37.0
Clothing and accessory stores	16.4	17.0	16.2	16.7	17.0	17.1	16.9	17.1
General merchandise stores	39.3	40.3	39.2	39.9	40.1	40.5	40.4	40.8
Other retail stores	70.3	72.6	70.3	70.7	72.8	72.4	72.4	72.4

^a Preliminary.

^r Revised.

Note. Estimates in this table are based on the North American Industry Classification System (NAICS).

Chained (1996) dollar sales are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 3B. Real Inventory-Sales Ratios for Manufacturing and Trade, Seasonally Adjusted
 [Ratio, based on chained (1996) dollars]

	2001		2001		2002			
	IV	I	Nov.	Dec.	Jan. ^a	Feb. ^a	Mar. ^a	Apr. ^a
Manufacturing and trade industries ...	1.34	1.33	1.35	1.33	1.32	1.33	1.33	1.31
Manufacturing industries	1.38	1.36	1.40	1.37	1.35	1.39	1.37	1.35
Durable goods industries.....	1.51	1.47	1.53	1.50	1.47	1.50	1.48	1.44
Wood product manufacturing	1.17	1.23	1.21	1.17	1.18	1.21	1.24	1.25
Nonmetallic mineral product manufacturing	1.38	1.33	1.41	1.38	1.34	1.37	1.31	1.19
Primary metal manufacturing	1.79	1.75	1.80	1.84	1.76	1.80	1.74	1.69
Fabricated metal product manufacturing	1.69	1.69	1.71	1.71	1.68	1.71	1.70	1.65
Machinery manufacturing	1.88	1.80	1.91	1.93	1.81	1.79	1.83	1.80
Computer and electronic product manufacturing	1.37	1.35	1.43	1.34	1.36	1.41	1.34	1.38
Electrical equipment, appliance, and component manufacturing	1.56	1.58	1.61	1.56	1.58	1.61	1.56	1.52
Transportation equipment manufacturing	1.29	1.21	1.28	1.26	1.20	1.25	1.24	1.17
Furniture and related product manufacturing	1.33	1.30	1.39	1.34	1.28	1.33	1.32	1.27
Miscellaneous manufacturing	1.92	1.90	1.92	1.93	1.89	1.91	1.89	1.86
Nondurable goods industries.....	1.22	1.22	1.23	1.20	1.19	1.24	1.22	1.23
Food manufacturing .....	.92	.92	.91	.91	.91	.93	.92	.92
Beverage and tobacco product manufacturing	1.68	1.74	1.75	1.67	1.69	1.79	1.71	1.81
Textile mills	1.71	1.66	1.78	1.74	1.70	1.66	1.64	1.49
Textile product mills	1.62	1.59	1.61	1.62	1.67	1.56	1.56	1.49
Apparel manufacturing	1.77	1.69	1.85	1.72	1.72	1.73	1.73	1.64
Leather and allied product manufacturing	1.89	1.93	1.95	1.92	1.92	1.92	2.07	1.66
Paper manufacturing	1.39	1.40	1.40	1.42	1.38	1.45	1.39	1.36
Printing and related support activities .....	.76	.74	.78	.77	.77	.77	.73	.74
Petroleum and coal product manufacturing .....	.66	.64	.68	.58	.57	.64	.66	.74
Chemical manufacturing	1.61	1.65	1.61	1.63	1.60	1.70	1.66	1.66
Plastics and rubber product manufacturing	1.19	1.20	1.21	1.19	1.17	1.20	1.21	1.18
Merchant wholesale industries	1.31	1.28	1.31	1.30	1.28	1.27	1.28	1.25
Durable goods industries.....	1.49	1.45	1.50	1.49	1.47	1.44	1.45	1.42
Nondurable goods industries	1.08	1.07	1.08	1.07	1.07	1.06	1.08	1.05
Retail trade industries	1.28	1.29	1.29	1.29	1.29	1.29	1.29	1.28
Motor vehicle and parts dealers.....	1.40	1.54	1.42	1.47	1.54	1.54	1.55	1.53
Furniture and home furnishings, electronics, and appliance stores	1.07	1.05	1.05	1.04	1.06	1.05	1.03	1.04
Building materials, garden equipment and supply stores	1.48	1.48	1.46	1.48	1.46	1.46	1.47	1.45
Food and beverage stores.....	.83	.81	.83	.82	.81	.82	.81	.81
Clothing and accessory stores.....	1.82	1.75	1.87	1.78	1.80	1.75	1.76	1.76
General merchandise stores	1.61	1.54	1.63	1.58	1.55	1.54	1.53	1.52
Other retail stores	1.02	.99	1.01	1.02	.99	.99	1.00	.99

^a Preliminary.
^b Revised.
 Note: Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 4B. Real Manufacturing Inventories, by Stage of Fabrication, Seasonally Adjusted, End of Period
 [Billions of chained (1996) dollars]

	2001		2001		2002			
	IV	I	Nov.	Dec.	Jan. ^a	Feb. ^a	Mar. ^a	Apr. ^a
Materials and supplies								
Manufacturing industries	156.1	155.1	158.2	156.1	155.2	154.9	155.1	154.8
Durable goods industries.....	94.4	93.7	95.7	94.4	93.7	93.2	93.7	93.4
Wood product manufacturing	3.6	3.8	3.7	3.6	3.6	3.7	3.8	3.8
Nonmetallic mineral product manufacturing	3.3	3.2	3.3	3.3	3.2	3.2	3.2	3.2
Primary metal manufacturing	7.5	7.3	7.6	7.5	7.5	7.3	7.3	7.3
Fabricated metal product manufacturing	11.1	11.6	11.3	11.1	11.4	11.4	11.6	11.4
Machinery manufacturing	15.9	15.3	16.0	15.9	15.5	15.4	15.3	15.0
Computer and electronic product manufacturing	21.7	20.6	22.3	21.7	21.5	21.0	20.6	20.8
Electrical equipment, appliance, and component manufacturing	6.1	5.9	6.1	6.1	6.0	5.9	5.9	5.9
Transportation equipment manufacturing	15.6	16.0	15.6	15.6	15.4	15.5	16.0	16.1
Furniture and related product manufacturing	3.1	3.2	3.3	3.1	3.1	3.1	3.2	3.1
Miscellaneous manufacturing	6.3	6.4	6.3	6.3	6.2	6.3	6.4	6.4
Nondurable goods industries.....	61.6	61.3	62.4	61.6	61.4	61.6	61.3	61.4
Food manufacturing	11.5	11.3	11.6	11.5	11.5	11.5	11.3	11.3
Beverage and tobacco product manufacturing	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0
Textile mills	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.9
Textile product mills	1.4	1.3	1.4	1.4	1.4	1.3	1.3	1.3
Apparel manufacturing	2.1	2.1	2.3	2.1	2.2	2.1	2.1	2.1
Leather and allied product manufacturing .....	.4	.3	.4	.4	.3	.3	.3	.3
Paper manufacturing	8.3	8.2	8.3	8.3	8.3	8.4	8.2	8.1
Printing and related support activities	1.9	1.7	2.0	1.9	2.0	1.9	1.7	1.8
Petroleum and coal product manufacturing	3.2	3.1	3.1	3.2	2.8	3.1	3.1	3.2
Chemical manufacturing	17.2	17.3	17.6	17.2	17.2	17.4	17.3	17.6
Plastics and rubber product manufacturing	7.4	7.6	7.5	7.4	7.5	7.5	7.6	7.6
Work-in-process								
Manufacturing industries	130.4	126.8	131.2	130.4	130.7	129.9	126.8	126.1
Durable goods industries.....	102.6	98.6	103.5	102.6	102.7	101.9	98.6	98.1
Wood product manufacturing	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Nonmetallic mineral product manufacturing	1.4	1.3	1.4	1.4	1.3	1.3	1.3	1.3
Primary metal manufacturing	7.2	7.0	7.4	7.2	7.2	7.2	7.0	7.0
Fabricated metal product manufacturing	10.4	10.0	10.6	10.4	10.1	10.0	10.0	10.0
Machinery manufacturing	11.3	10.9	11.6	11.3	11.1	11.1	10.9	11.1
Computer and electronic product manufacturing	18.4	18.3	19.1	18.4	18.6	18.4	18.3	18.1
Electrical equipment, appliance, and component manufacturing	4.9	4.8	4.9	4.9	4.8	4.8	4.8	4.8
Transportation equipment manufacturing	38.1	35.7	37.7	38.1	38.3	38.1	35.7	35.2
Furniture and related product manufacturing	1.2	1.3	1.3	1.2	1.3	1.2	1.3	1.3
Miscellaneous manufacturing	4.0	3.9	4.0	4.0	4.0	3.9	4.0	4.0
Nondurable goods industries.....	27.7	28.1	27.6	27.7	28.0	27.9	28.1	27.9
Food manufacturing	5.3	5.2	5.3	5.3	5.3	5.3	5.2	5.2
Beverage and tobacco product manufacturing	1.3	1.4	1.3	1.3	1.3	1.4	1.4	1.3
Textile mills	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.3
Textile product mills	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Apparel manufacturing	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
Leather and allied product manufacturing .....	.2	.2	.2	.2	.2	.2	.2	.2
Paper manufacturing	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7
Printing and related support activities	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0
Petroleum and coal product manufacturing	2.5	2.8	2.3	2.5	2.5	2.4	2.8	2.7
Chemical manufacturing	9.4	9.7	9.3	9.4	9.7	9.9	9.7	9.6
Plastics and rubber product manufacturing	2.3	2.2	2.3	2.3	2.3	2.3	2.2	2.3
Finished goods								
Manufacturing industries	168.3	166.6	168.9	168.3	167.0	166.1	166.6	166.7
Durable goods industries.....	86.7	85.5	87.6	86.7	85.7	85.3	85.5	85.7
Wood product manufacturing	3.1	3.3	3.3	3.1	3.2	3.2	3.3	3.3
Nonmetallic mineral product manufacturing	4.7	4.6	4.7	4.7	4.6	4.6	4.6	4.5
Primary metal manufacturing	7.3	7.1	7.1	7.3	7.0	7.1	7.1	7.0
Fabricated metal product manufacturing	10.7	10.4	10.8	10.7	10.6	10.4	10.4	10.3
Machinery manufacturing	13.3	13.1	13.3	13.3	13.2	13.1	13.1	12.7
Computer and electronic product manufacturing	20.5	20.2	21.4	20.5	20.6	20.4	20.2	20.6
Electrical equipment, appliance, and component manufacturing	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3
Transportation equipment manufacturing	15.3	15.3	14.9	15.3	14.7	14.8	15.3	15.6
Furniture and related product manufacturing	2.7	2.5	2.8	2.7	2.7	2.6	2.5	2.5
Miscellaneous manufacturing	7.0	6.9	6.9	7.0	6.9	7.0	6.9	7.0
Nondurable goods industries.....	81.9	81.3	81.5	81.9	81.4	80.9	81.3	81.2
Food manufacturing	18.1	18.4	17.9	18.1	18.3	18.3	18.4	18.6
Beverage and tobacco product manufacturing	4.5	4.4	4.4	4.5	4.4	4.4	4.4	4.4
Textile mills	3.1	2.9	3.1	3.1	3.0	3.0	2.9	2.9
Textile product mills	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1
Apparel manufacturing	5.1	4.7	5.2	5.1	5.0	4.8	4.7	4.6
Leather and allied product manufacturing .....	.7	.7	.8	.7	.7	.7	.7	.7
Paper manufacturing	7.0	7.0	6.9	7.0	6.9	6.9	7.0	6.9
Printing and related support activities	2.9	2.8	2.9	2.9	2.9	2.8	2.8	2.8
Petroleum and coal product manufacturing	5.2	5.4	5.1	5.2	5.2	5.3	5.4	5.2
Chemical manufacturing	25.7	25.4	25.6	25.7	25.4	25.1	25.4	25.3
Plastics and rubber product manufacturing	7.6	7.7	7.6	7.6	7.6	7.6	7.7	7.7

^a Preliminary.
^b Revised.
 Note: Estimates in this table are based on the North American Industry Classification System (NAICS).
 Chained (1996) dollar inventory series are calculated to ensure that the chained (1996) dollar change in inventories for 1996 equals the current-dollar change in inventories for 1996 and that the average of the 1995 and 1996 end-of-year chain-weighted and fixed-weighted inventories are equal. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.