

Real Inventories, Sales, and Inventory-Sales Ratios for Manufacturing and Trade, 2001:IV

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:II–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 January 2002 SURVEY OF CURRENT BUSINESS, and quarterly estimates for 1996:IV–2001:I 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
	III	IV	Aug.	Sep.	Oct. ^f	Nov. ^f	Dec. ^f	Jan. ^p
Manufacturing and trade industries	1,172.4	1,144.9	1,177.6	1,172.4	1,157.9	1,147.1	1,144.9	1,148.0
Manufacturing industries	465.9	454.9	470.3	465.9	463.5	458.4	454.9	453.5
Durable goods industries	292.9	283.7	296.9	292.9	291.3	286.9	283.7	282.4
Wood product manufacturing	9.1	8.3	9.1	9.1	8.9	8.5	8.3	8.5
Nonmetallic mineral product manufacturing	9.7	9.3	9.7	9.7	9.6	9.5	9.3	9.3
Primary metal manufacturing	22.4	22.0	22.5	22.4	22.3	22.2	22.0	21.7
Fabricated metal product manufacturing	33.3	32.3	33.4	33.3	33.1	32.7	32.3	32.2
Machinery manufacturing	42.1	40.5	42.2	42.1	41.6	41.0	40.5	40.2
Computer and electronic product manufacturing	64.9	60.6	68.1	64.9	63.9	62.9	60.6	60.5
Electrical equipment, appliance, and component manufacturing	15.6	15.3	15.7	15.6	15.6	15.5	15.3	15.2
Transportation equipment manufacturing	68.3	68.2	68.4	68.3	68.7	67.5	68.2	67.8
Furniture and related product manufacturing	7.6	7.1	7.6	7.6	7.4	7.3	7.1	7.0
Miscellaneous manufacturing	17.3	17.3	17.4	17.3	17.3	17.2	17.3	17.3
Nondurable goods industries	173.0	171.2	173.5	173.0	172.2	171.5	171.2	171.1
Food manufacturing	34.7	34.9	35.0	34.7	34.6	34.8	34.9	35.2
Beverage and tobacco product manufacturing	12.0	11.9	12.0	12.0	11.8	11.8	11.9	11.9
Textile mills	6.8	6.5	6.8	6.8	6.7	6.6	6.5	6.4
Textile product mills	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4
Apparel manufacturing	9.6	8.9	9.8	9.6	9.4	9.2	8.9	8.8
Leather and allied product manufacturing	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.2
Paper manufacturing	16.7	17.0	16.6	16.7	16.8	16.9	17.0	16.9
Printing and related support activities	6.0	5.8	6.2	6.0	6.0	5.9	5.8	5.8
Petroleum and coal product manufacturing	11.2	10.8	11.2	11.2	10.7	10.6	10.8	10.6
Chemical manufacturing	52.7	52.4	52.5	52.7	53.0	52.6	52.4	52.5
Plastics and rubber product manufacturing	17.5	17.3	17.4	17.5	17.4	17.4	17.3	17.3
Merchant wholesale industries	318.9	312.5	319.2	318.9	316.0	313.5	312.5	312.4
Durable goods industries	198.1	192.1	199.0	198.1	197.4	194.1	192.1	191.6
Nondurable goods industries	120.2	119.6	119.6	120.2	118.0	116.7	119.6	120.0
Retail trade industries	387.0	377.0	387.7	387.0	378.3	375.0	377.0	381.4
Motor vehicle and parts dealers	121.9	113.9	122.0	121.9	113.1	111.6	113.9	116.7
Furniture and home furnishings, electronics, and appliance stores	28.5	29.2	28.5	28.5	28.6	28.8	29.2	29.7
Building materials, garden equipment and supply stores	38.7	38.5	38.6	38.7	38.8	38.3	38.5	38.7
Food and beverage stores	30.3	30.4	30.3	30.3	30.4	30.4	30.4	30.2
Clothing and accessory stores	31.3	29.7	31.1	31.3	31.0	30.2	29.7	30.5
General merchandise stores	64.1	63.1	64.4	64.1	64.2	64.0	63.1	63.2
Other retail stores	72.1	71.8	72.4	72.1	71.7	71.3	71.8	72.2

^p Preliminary.
^f 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. Chained (1996) dollar final 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 2B. Real Manufacturing and Trade Sales, Seasonally Adjusted at Monthly Rate
[Billions of chained (1996) dollars]

	2001		2001					2002
	III	IV	Aug.	Sep.	Oct. ^f	Nov. ^f	Dec. ^f	Jan. ^p
Manufacturing and trade industries	842.4	855.7	851.9	825.0	858.1	851.0	858.0	865.9
Manufacturing industries	328.1	328.9	333.2	316.5	328.4	326.6	331.6	337.6
Durable goods industries	189.1	187.9	192.3	180.9	187.8	187.1	188.7	193.4
Wood product manufacturing	7.0	7.1	7.0	7.1	7.0	7.1	7.1	7.1
Nonmetallic mineral product manufacturing	6.9	6.8	7.1	6.6	6.8	6.7	6.8	6.9
Primary metal manufacturing	12.7	12.3	12.9	12.3	12.6	12.3	12.0	12.6
Fabricated metal product manufacturing	19.3	19.1	19.6	18.9	19.3	19.1	18.9	19.3
Machinery manufacturing	22.6	21.6	23.3	21.3	22.2	21.4	21.0	22.3
Computer and electronic product manufacturing	44.3	44.3	43.5	43.3	43.8	44.0	45.1	45.9
Electrical equipment, appliance, and component manufacturing	10.2	9.8	10.6	9.7	10.0	9.6	9.8	9.7
Transportation equipment manufacturing	51.6	52.9	53.2	48.0	51.7	52.9	54.2	55.6
Furniture and related product manufacturing	5.5	5.3	5.6	5.2	5.4	5.3	5.3	5.4
Miscellaneous manufacturing	9.2	9.0	9.4	9.0	9.1	9.0	8.9	9.2
Nondurable goods industries	138.6	140.5	140.6	135.1	140.1	139.0	142.4	143.7
Food manufacturing	37.4	38.0	37.6	37.1	37.6	38.1	38.4	39.1
Beverage and tobacco product manufacturing	7.2	7.1	7.4	7.0	7.4	6.8	7.1	7.1
Textile mills	4.0	3.8	4.0	3.9	3.9	3.7	3.7	3.7
Textile product mills	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Apparel manufacturing	5.0	5.0	5.0	4.9	5.0	5.0	5.2	5.1
Leather and allied product manufacturing	.7	.7	.7	.7	.7	.7	.7	.6
Paper manufacturing	12.4	12.2	12.5	12.2	12.5	12.1	11.9	12.3
Printing and related support activities	7.7	7.6	7.9	7.4	7.7	7.5	7.6	7.6
Petroleum and coal product manufacturing	14.6	16.5	15.0	13.5	15.2	15.6	18.7	18.4
Chemical manufacturing	32.7	32.5	33.3	31.8	32.7	32.6	32.2	32.6
Plastics and rubber product manufacturing	14.6	14.5	14.6	14.3	14.5	14.4	14.6	14.8
Merchant wholesale industries	238.5	239.4	240.0	236.1	237.7	239.8	240.7	242.8
Durable goods industries	130.4	128.7	131.9	128.2	128.3	129.3	128.7	130.4
Nondurable goods industries	108.1	110.4	108.3	107.7	109.2	110.3	111.6	112.0
Retail trade industries	282.5	294.6	285.7	278.2	299.5	291.6	292.7	293.1
Motor vehicle and parts dealers	73.0	81.3	74.1	71.0	87.8	78.5	77.6	74.4
Furniture and home furnishings, electronics, and appliance stores	25.6	27.3	25.9	25.5	26.2	27.5	28.2	28.0
Building materials, garden equipment and supply stores	25.6	26.0	26.0	25.2	26.0	26.2	25.9	26.5
Food and beverage stores	36.4	36.7	36.4	36.5	36.5	36.7	36.9	36.8
Clothing and accessory stores	16.1	16.4	16.4	15.4	16.1	16.2	16.7	17.1
General merchandise stores	38.7	39.3	38.9	38.6	38.9	39.2	39.9	40.7
Other retail stores	69.5	70.3	70.6	68.4	70.0	70.3	70.7	73.1

^p Preliminary.
^f Revised.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS). Chained (1996) dollar final 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
	III	IV	Aug.	Sep.	Oct. ^f	Nov. ^f	Dec. ^f	Jan. ^p
Manufacturing and trade industries	1.39	1.34	1.38	1.42	1.35	1.35	1.33	1.33
Manufacturing industries	1.42	1.38	1.41	1.47	1.41	1.40	1.37	1.34
Durable goods industries	1.55	1.51	1.54	1.62	1.55	1.53	1.50	1.46
Wood product manufacturing	1.29	1.17	1.31	1.28	1.27	1.21	1.17	1.20
Nonmetallic mineral product manufacturing	1.40	1.38	1.37	1.47	1.40	1.41	1.38	1.35
Primary metal manufacturing	1.76	1.79	1.74	1.83	1.77	1.80	1.84	1.72
Fabricated metal product manufacturing	1.72	1.69	1.71	1.76	1.72	1.71	1.71	1.67
Machinery manufacturing	1.86	1.88	1.81	1.98	1.87	1.91	1.93	1.80
Computer and electronic product manufacturing	1.47	1.37	1.57	1.50	1.46	1.43	1.34	1.32
Electrical equipment, appliance, and component manufacturing	1.53	1.56	1.49	1.61	1.55	1.61	1.56	1.58
Transportation equipment manufacturing	1.32	1.29	1.29	1.42	1.33	1.28	1.26	1.22
Furniture and related product manufacturing	1.39	1.33	1.36	1.47	1.38	1.39	1.34	1.29
Miscellaneous manufacturing	1.88	1.92	1.86	1.92	1.91	1.92	1.93	1.89
Nondurable goods industries	1.25	1.22	1.23	1.28	1.23	1.23	1.20	1.19
Food manufacturing	.93	.92	.93	.94	.92	.91	.91	.90
Beverage and tobacco product manufacturing	1.66	1.68	1.62	1.72	1.60	1.75	1.67	1.67
Textile mills	1.71	1.71	1.71	1.75	1.69	1.78	1.74	1.71
Textile product mills	1.63	1.62	1.63	1.63	1.63	1.61	1.62	1.66
Apparel manufacturing	1.93	1.77	1.95	1.96	1.88	1.85	1.72	1.73
Leather and allied product manufacturing	2.02	1.89	2.03	2.03	1.97	1.95	1.92	1.95
Paper manufacturing	1.35	1.39	1.33	1.37	1.34	1.40	1.42	1.38
Printing and related support activities	.78	.76	.79	.80	.78	.78	.77	.77
Petroleum and coal product manufacturing	.77	.66	.75	.83	.71	.68	.58	.58
Chemical manufacturing	1.61	1.61	1.58	1.66	1.62	1.61	1.63	1.61
Plastics and rubber product manufacturing	1.19	1.19	1.19	1.22	1.20	1.21	1.19	1.17
Merchant wholesale industries	1.34	1.31	1.33	1.35	1.33	1.31	1.30	1.29
Durable goods industries	1.52	1.49	1.51	1.55	1.54	1.50	1.49	1.47
Nondurable goods industries	1.11	1.08	1.11	1.12	1.08	1.08	1.07	1.07
Retail trade industries	1.37	1.28	1.36	1.39	1.26	1.29	1.29	1.30
Motor vehicle and parts dealers	1.67	1.40	1.65	1.72	1.29	1.42	1.47	1.57
Furniture and home furnishings, electronics, and appliance stores	1.11	1.07	1.10	1.12	1.09	1.05	1.04	1.06
Building materials, garden equipment and supply stores	1.51	1.48	1.49	1.54	1.50	1.46	1.48	1.46
Food and beverage stores	.83	.83	.83	.83	.83	.83	.82	.82
Clothing and accessory stores	1.95	1.82	1.90	2.03	1.92	1.87	1.78	1.79
General merchandise stores	1.66	1.61	1.66	1.66	1.65	1.63	1.58	1.55
Other retail stores	1.04	1.02	1.03	1.05	1.03	1.01	1.02	.99

^p Preliminary.

^f 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
	III	IV	Aug.	Sep.	Oct. ^f	Nov. ^f	Dec. ^f	Jan. ^p
Materials and supplies								
Manufacturing industries	159.7	156.1	161.6	159.7	159.2	158.2	156.1	155.3
Durable goods industries	97.3	94.4	98.9	97.3	96.9	95.7	94.4	93.8
Wood product manufacturing	3.8	3.6	3.9	3.8	3.8	3.7	3.6	3.7
Nonmetallic mineral product manufacturing	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
Primary metal manufacturing	7.7	7.5	7.8	7.7	7.7	7.6	7.5	7.5
Fabricated metal product manufacturing	11.5	11.1	11.6	11.5	11.5	11.3	11.1	11.3
Machinery manufacturing	16.1	15.9	16.1	16.1	16.0	15.9	15.9	15.7
Computer and electronic product manufacturing	23.1	21.7	23.8	23.1	22.7	22.3	21.7	21.6
Electrical equipment, appliance, and component manufacturing	6.3	6.1	6.4	6.3	6.3	6.1	6.1	6.0
Transportation equipment manufacturing	15.8	15.6	16.1	15.8	15.9	15.6	15.6	15.3
Furniture and related product manufacturing	3.3	3.1	3.4	3.3	3.3	3.3	3.1	3.1
Miscellaneous manufacturing	6.2	6.3	6.4	6.2	6.3	6.3	6.3	6.2
Nondurable goods industries	62.3	61.6	62.7	62.3	62.3	62.4	61.6	61.4
Food manufacturing	11.8	11.5	11.8	11.8	11.6	11.6	11.5	11.6
Beverage and tobacco product manufacturing	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Textile mills	2.1	2.0	2.1	2.1	2.1	2.0	2.0	1.9
Textile product mills	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Apparel manufacturing	2.4	2.1	2.4	2.4	2.3	2.3	2.1	2.1
Leather and allied product manufacturing	.4	.4	.4	.4	.4	.4	.4	.4
Paper manufacturing	8.2	8.3	8.2	8.2	8.3	8.3	8.3	8.3
Printing and related support activities	1.9	1.9	2.1	1.9	2.0	2.0	1.9	1.9
Petroleum and coal product manufacturing	3.2	3.2	3.2	3.2	3.2	3.1	3.2	2.9
Chemical manufacturing	17.3	17.2	17.3	17.3	17.4	17.6	17.2	17.3
Plastics and rubber product manufacturing	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.4
Work-in-process								
Manufacturing industries	134.4	130.4	134.4	134.4	133.5	131.2	130.4	131.2
Durable goods industries	105.8	102.6	106.0	105.8	105.6	103.5	102.6	103.0
Wood product manufacturing	1.7	1.6	1.7	1.7	1.7	1.6	1.6	1.6
Nonmetallic mineral product manufacturing	1.5	1.4	1.4	1.5	1.5	1.4	1.4	1.4
Primary metal manufacturing	7.5	7.2	7.5	7.5	7.4	7.4	7.2	7.2
Fabricated metal product manufacturing	10.6	10.4	10.6	10.6	10.5	10.6	10.4	10.5
Machinery manufacturing	12.0	11.3	12.1	12.0	12.0	11.6	11.3	11.2
Computer and electronic product manufacturing	19.8	18.4	19.9	19.8	19.5	19.1	18.4	18.4
Electrical equipment, appliance, and component manufacturing	5.0	4.9	5.1	5.0	5.0	4.9	4.9	4.9
Transportation equipment manufacturing	38.2	38.1	38.1	38.2	38.5	37.7	38.1	38.4
Furniture and related product manufacturing	1.3	1.2	1.3	1.3	1.3	1.3	1.2	1.3
Miscellaneous manufacturing	4.0	4.0	4.1	4.0	4.1	4.0	4.0	4.0
Nondurable goods industries	28.5	27.7	28.4	28.5	27.9	27.6	27.7	28.1
Food manufacturing	5.2	5.3	5.2	5.2	5.3	5.3	5.3	5.3
Beverage and tobacco product manufacturing	1.4	1.3	1.4	1.4	1.3	1.3	1.3	1.3
Textile mills	1.5	1.4	1.5	1.5	1.5	1.4	1.4	1.4
Textile product mills	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Apparel manufacturing	1.7	1.6	1.7	1.7	1.7	1.7	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	1.7	1.7	1.7
Printing and related support activities	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1
Petroleum and coal product manufacturing	2.6	2.5	2.4	2.6	2.4	2.3	2.5	2.5
Chemical manufacturing	9.7	9.4	9.6	9.7	9.4	9.3	9.4	9.8
Plastics and rubber product manufacturing	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Finished goods								
Manufacturing industries	171.7	168.3	174.2	171.7	170.7	168.9	168.3	166.9
Durable goods industries	89.8	86.7	92.1	89.8	88.9	87.6	86.7	85.7
Wood product manufacturing	3.6	3.1	3.5	3.6	3.5	3.3	3.1	3.2
Nonmetallic mineral product manufacturing	4.9	4.7	4.9	4.9	4.8	4.7	4.7	4.6
Primary metal manufacturing	7.2	7.3	7.1	7.2	7.2	7.1	7.3	7.1
Fabricated metal product manufacturing	11.2	10.7	11.2	11.2	11.1	10.8	10.7	10.5
Machinery manufacturing	13.9	13.3	14.0	13.9	13.7	13.3	13.3	13.2
Computer and electronic product manufacturing	22.0	20.5	24.3	22.0	21.6	21.4	20.5	20.4
Electrical equipment, appliance, and component manufacturing	4.3	4.4	4.2	4.3	4.3	4.4	4.4	4.4
Transportation equipment manufacturing	15.0	15.3	14.9	15.0	15.0	14.9	15.3	14.6
Furniture and related product manufacturing	2.9	2.7	2.9	2.9	2.9	2.8	2.7	2.7
Miscellaneous manufacturing	7.0	7.0	7.0	7.0	7.0	6.9	7.0	7.0
Nondurable goods industries	82.1	81.9	82.4	82.1	82.0	81.5	81.9	81.5
Food manufacturing	17.7	18.1	18.0	17.7	17.8	17.9	18.1	18.3
Beverage and tobacco product manufacturing	4.5	4.5	4.5	4.5	4.4	4.4	4.5	4.4
Textile mills	3.2	3.1	3.2	3.2	3.1	3.1	3.1	3.0
Textile product mills	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0
Apparel manufacturing	5.5	5.1	5.6	5.5	5.4	5.2	5.1	5.0
Leather and allied product manufacturing	.8	.7	.7	.8	.8	.8	.7	.7
Paper manufacturing	6.8	7.0	6.7	6.8	6.8	6.9	7.0	6.9
Printing and related support activities	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Petroleum and coal product manufacturing	5.5	5.2	5.6	5.5	5.1	5.1	5.2	5.2
Chemical manufacturing	25.7	25.7	25.5	25.7	26.1	25.6	25.7	25.4
Plastics and rubber product manufacturing	7.7	7.6	7.7	7.7	7.7	7.6	7.6	7.6

^p Preliminary.

^f 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. Chained (1996) dollar final 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.