

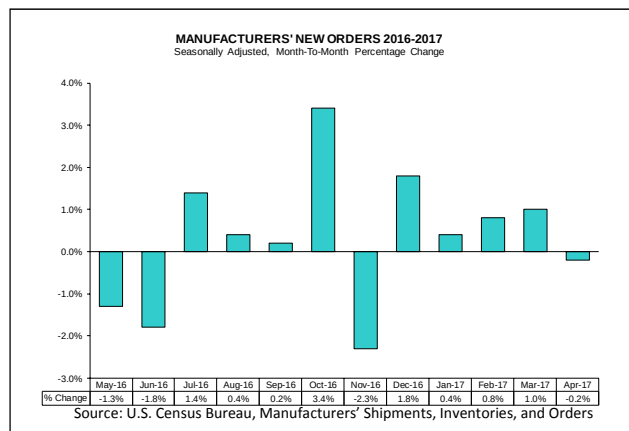
FOR RELEASE AT 10:00 AM EDT, MONDAY, JUNE 5, 2017

MONTHLY FULL REPORT ON MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS APRIL 2017

Release Number: CB 17-74 M3-2 (17)-04

June 5, 2017 — The U.S. Census Bureau announces the April full report on manufacturers' shipments, inventories and orders:

MANUFACTURED GOODS – NEW ORDERS		
APRIL 2017	\$469.0 billion	-0.2%°
MARCH 2017 (revised)	\$469.9 billion	+1.0%°
Next release: July 5, 2017		
Data adjusted for seasonal variation but not for price changes. Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories and Orders. °Statistical significance is not measurable for this survey. The Manufacturers' Shipments, Inventories, and Orders estimates are not based on a probability sample, so the sampling error of these estimates cannot be measured nor can the confidence intervals be computed.		



Summary

New orders for manufactured goods in April, down following four consecutive monthly increases, decreased \$0.8 billion or 0.2 percent to \$469.0 billion, the U.S. Census Bureau reported today. This followed a 1.0 percent March increase. Shipments, up four of the last five months, increased \$0.1 billion or virtually unchanged to \$470.8 billion. This followed a 0.2 percent March decrease. Unfilled orders, up two consecutive months, increased \$2.4 billion or 0.2 percent to \$1,123.0 billion. This followed a 0.3 percent March increase. The unfilled orders-to-shipments ratio was 6.84, up from 6.81 in March. Inventories, up six consecutive months, increased \$0.5 billion or 0.1 percent to \$649.7 billion. This followed a 0.2 percent March increase. The inventories-to-shipments ratio was 1.38, unchanged from March.

New Orders

New orders for manufactured durable goods in April, down following four consecutive monthly increases, decreased \$1.8 billion or 0.8 percent to \$231.0 billion, down from the previously published 0.7 percent decrease. This followed a 2.4 percent March increase. Transportation equipment, down following two consecutive monthly increases, led the decrease, \$1.1 billion or 1.4 percent to \$78.4 billion. New orders for manufactured nondurable goods increased \$1.0 billion or 0.4 percent to \$238.0 billion.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)
301-763-4832
eid.m3.qs@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Shipments

Shipments of manufactured durable goods in April, down three of the last four months, decreased \$0.9 billion or 0.4 percent to \$232.8 billion, down from the previously published 0.3 percent decrease. This followed a 0.1 percent March decrease. Transportation equipment, down six of the last seven months, led the decrease, \$0.5 billion or 0.7 percent to \$77.1 billion. Shipments of manufactured nondurable goods, up eight of the last nine months, increased \$1.0 billion or 0.4 percent to \$238.0 billion. This followed a 0.3 percent March decrease. Food products, up seven of the last eight months, led the increase, \$0.8 billion or 1.1 percent to \$68.3 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in April, up two consecutive months, increased \$2.4 billion or 0.2 percent to \$1,123.0 billion, virtually unchanged from the previously published increase. This followed a 0.3 percent March increase. Transportation equipment, also up two consecutive months, led the increase, \$1.4 billion or 0.2 percent to \$766.7 billion.

Inventories

Inventories of manufactured durable goods in April, up nine of the last ten months, increased \$0.7 billion or 0.2 percent to \$394.6 billion, up from the previously published 0.1 percent increase. This followed a 0.3 percent March increase. Primary metals, also up nine of the last ten months, led the increase, \$0.3 billion or 0.9 percent to \$32.7 billion. Inventories of manufactured nondurable goods, down two consecutive months, decreased \$0.2 billion or 0.1 percent to \$255.1 billion. This followed a virtually unchanged March decrease. Beverage and tobacco products, also down two consecutive months, led the decrease, \$0.1 billion or 0.3 percent to \$23.5 billion. By stage of fabrication, April materials and supplies increased 0.8 percent in durable goods and increased 0.7 percent in nondurable goods. Work in process decreased 0.5 percent in durable goods and increased 0.4 percent in nondurable goods. Finished goods increased 0.4 percent in durable goods and decreased 0.8 percent in nondurable goods.

The Advance Report on durable goods for May is scheduled for release on June 26, 2017 at 8:30 a.m. EDT and the Full Report on July 5, 2017 at 10:00 a.m. EDT. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <www.census.gov/m3>.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)
301-763-4832
eid.m3.qs@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

“Virtually unchanged” indicates that the change is less than 0.05 percent for a percent increase or decrease.

Description of the survey

This report is compiled from results of the U.S. Census Bureau’s Manufacturers’ Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). Data published from the M3 survey are based on a panel of approximately 5,000 reporting units that represent approximately 3,100 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 64 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 57 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month’s advance report. Any revisions made later than two months will be reflected in the annual benchmark publication. Additional survey documentation can be found on our web site:

www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)
301-763-4832
eid.m3.qs@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Benchmark notice

Revised historical data from the Manufacturers' Shipments, Inventories, and Orders (M3) Survey were issued on May 18, 2017. These revisions result from:

- benchmarking the M3 shipments and inventories data to the 2015 Annual Survey of Manufactures (ASM) and revised 2014 ASM data on a 2012 NAICS basis;
- incorporating the unfilled orders to shipments ratios obtained from the 2015/2014 Manufacturers' Unfilled Orders (M3UFO) Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years by applying them to the respective ASM data;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- updating the seasonally adjusted data based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

These revisions spanned the seasonally adjusted data for January 2002 through March 2017 and the data not seasonally adjusted for January 2007 through March 2017. An updated Press Release contains revised monthly tables for January 2017 through March 2017. Please call M3 staff on (301) 763-4832 with any questions.

America's Economy Mobile App

The America's Economy app provides real-time updates for 19 key economic indicators released from the Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis.

[<www.census.gov/mobile/economy/>](http://www.census.gov/mobile/economy/).

API

The Census Bureau's application programming interface (API) 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/>](http://www.census.gov/developers/).

-X-

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)
301-763-4832
eid.m3.qs@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Apr. 2017 ^b	Mar. 2017 ^f	Feb. 2017	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2017 ^b	Mar. 2017 ^f	Feb. 2017	Apr. 2016	2017 ^b	2016	% Change 2017/ 2016
All manufacturing industries.....	470,833	470,776	471,571	0.0	-0.2	0.3	460,515	501,901	437,113	446,642	1,829,547	1,757,688	4.1
Excluding transportation.....	393,781	393,182	393,718	0.2	-0.1	0.5	387,385	411,907	362,492	370,567	1,524,765	1,447,379	5.3
Excluding defense.....	458,826	458,544	459,123	0.1	-0.1	0.2	449,678	487,603	425,398	437,105	1,783,310	1,714,616	4.0
With unfilled orders.....	164,109	164,629	164,247	-0.3	0.2	0.8	157,223	181,870	152,633	153,838	635,882	617,534	3.0
Durable goods industries.....	232,810	233,738	233,895	-0.4	-0.1	0.4	224,916	257,455	217,742	224,333	908,023	893,844	1.6
Wood products.....	9,190	9,230	9,339	-0.4	-1.2	2.4	9,574	9,337	8,391	8,873	35,027	32,068	9.2
Nonmetallic mineral products.....	10,535	10,618	10,593	-0.8	0.2	1.2	10,281	10,748	9,047	10,323	39,035	38,550	1.3
Primary metals.....	19,044	19,170	18,960	-0.7	1.1	0.3	18,990	20,635	18,196	17,679	76,280	69,848	9.2
Iron and steel mills.....	9,052	9,009	8,796	0.5	2.4	1.5	9,017	9,525	8,400	8,258	35,482	32,617	8.8
Aluminum and nonferrous metals.....	8,725	8,863	8,857	-1.6	0.1	-0.9	8,729	9,697	8,560	8,054	35,721	31,774	12.4
Ferrous metal foundries.....	1,267	1,298	1,307	-2.4	-0.7	0.7	1,244	1,413	1,236	1,367	5,077	5,457	-7.0
Fabricated metal products.....	31,124	31,189	31,156	-0.2	0.1	0.8	30,526	32,744	29,041	29,500	120,895	114,470	5.6
Machinery.....	30,742	30,668	30,459	0.2	0.7	1.2	30,692	34,642	28,619	30,346	120,364	120,662	-0.2
Farm machinery.....	2,544	2,573	2,567	-1.1	0.2	2.2	3,198	3,281	2,863	3,135	11,636	11,350	2.5
Construction machinery.....	2,001	2,000	1,979	0.1	1.1	2.5	2,059	2,327	1,885	2,168	7,906	8,250	-4.2
Mining, oil field, and gas field machinery.....	984	975	977	0.9	-0.2	9.7	913	1,046	903	813	3,677	5,146	-28.5
Industrial machinery.....	2,965	2,875	2,846	3.1	1.0	4.1	2,695	3,317	2,504	2,605	10,768	10,677	0.9
Photographic equipment.....	578	565	548	2.3	3.1	-0.2	501	669	467	497	2,082	2,134	-2.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,810	3,834	3,774	-0.6	1.6	0.9	3,607	4,248	3,087	3,479	13,911	13,526	2.8
Metaworking machinery.....	3,021	2,975	3,043	1.5	-2.2	2.9	2,699	3,216	2,657	2,506	11,191	10,441	7.2
Turbines, generators, and other power transmission equipment.....	3,922	3,850	3,699	1.9	4.1	0.4	4,066	4,000	3,680	4,010	15,237	15,402	-1.1
Material handling equipment.....	2,813	2,770	2,749	1.6	0.8	0.5	2,662	3,048	2,568	2,543	10,700	10,216	4.7
Computers and electronic products ²	26,392	26,396	26,821	0.0	-1.6	-0.7	23,942	28,619	23,020	23,266	100,184	95,374	5.0
Computers.....	743	751	819	-1.1	-8.3	2.0	693	785	578	658	2,700	2,563	5.3
Computer storage devices.....	704	656	712	7.3	-7.9	3.5	445	991	462	483	2,363	2,316	2.0
Other peripheral equipment.....	544	509	575	6.9	-11.5	1.4	428	639	449	486	1,923	2,242	-14.2
Nondefense communications equipment.....	2,723	2,776	2,718	-1.9	2.1	-0.3	2,305	3,256	2,194	2,231	9,889	9,447	4.7
Defense communications equipment.....	231	238	239	-2.9	-0.4	4.4	232	252	239	232	915	954	-4.1
Audio and video equipment.....	324	321	313	0.9	2.6	-4.9	273	311	266	263	1,127	1,075	4.8
Electronic components.....	3,977	4,043	4,042	-1.6	0.0	3.5	3,764	4,256	3,516	3,622	14,919	13,996	6.6
Nondefense search and navigation equipment.....	1,460	1,424	1,398	2.5	1.9	0.4	1,262	1,666	1,316	1,111	5,455	5,097	7.0
Defense search and navigation equipment.....	2,638	2,583	2,612	2.1	-1.1	0.1	2,447	2,754	2,481	2,157	9,806	9,035	8.5
Electromedical, measuring, and control instruments.....	8,664	8,536	8,625	1.5	-1.0	1.1	7,840	9,573	7,752	7,658	32,374	31,601	2.4
Electrical equipment, appliances, and components.....	10,075	10,151	10,055	-0.7	1.0	1.4	9,621	10,820	9,142	9,584	38,388	37,987	1.1
Electric lighting equipment.....	1,090	1,105	1,092	-1.4	1.2	1.8	1,043	1,131	1,013	1,060	4,147	4,183	-0.9
Household appliances.....	1,577	1,590	1,569	-0.8	1.3	-2.2	1,519	1,725	1,378	1,607	5,936	6,348	-6.5
Electrical equipment.....	2,740	2,763	2,774	-0.8	-0.4	-1.1	2,529	3,133	2,546	2,726	10,664	11,246	-5.2
Batteries.....	889	898	908	-1.0	-1.1	-0.3	807	878	788	874	3,295	3,466	-4.9
Transportation equipment.....	77,052	77,594	77,853	-0.7	-0.3	-0.2	73,130	89,994	74,621	76,075	304,782	310,309	-1.8
Automobiles.....	8,265	7,822	7,808	5.7	0.2	-7.4	7,862	8,774	7,677	9,303	32,131	39,473	-18.6
Light trucks and utility vehicles.....	15,553	16,075	16,323	-3.2	-1.5	0.0	14,893	18,905	16,240	15,716	64,071	62,533	2.5
Heavy duty trucks.....	2,265	2,265	2,215	0.0	2.3	4.3	2,246	2,558	2,009	2,530	8,650	9,814	-11.9
Motor vehicle bodies, parts, and trailers.....	27,396	27,143	27,395	0.9	-0.9	0.6	27,005	30,359	27,372	26,985	109,695	106,505	3.0
Nondefense aircraft and parts.....	11,262	11,599	11,298	-2.9	2.7	-4.3	9,637	14,328	9,431	10,696	42,259	44,896	-5.9
Defense aircraft and parts.....	3,799	3,974	3,989	-4.4	-0.4	12.4	3,234	4,994	3,428	2,823	14,265	14,586	-2.2
Ships and boats.....	3,053	3,150	3,162	-3.1	-0.4	4.4	2,960	3,469	3,059	2,999	11,944	12,077	-1.1
Furniture and related products.....	6,451	6,466	6,464	-0.2	0.0	0.5	6,292	6,634	6,201	6,242	25,198	24,972	0.9
Miscellaneous durable goods.....	12,205	12,256	12,195	-0.4	0.5	0.2	11,868	13,282	11,464	12,445	47,870	49,604	-3.5
Nondurable goods industries.....	238,023	237,038	237,676	0.4	-0.3	0.3	235,599	244,446	219,371	222,309	921,524	863,844	6.7
Food products.....	68,317	67,550	66,905	1.1	1.0	0.4	66,354	68,868	64,073	62,473	263,763	254,234	3.7
Grain and oilseed milling.....	7,476	7,468	7,556	0.1	-1.2	0.7	6,890	7,569	7,240	6,840	29,200	28,711	1.7
Dairy products.....	9,822	9,845	9,923	-0.2	-0.8	1.5	9,419	10,014	9,133	8,886	38,154	36,226	5.3
Meat, poultry, and seafood products...	19,508	19,511	18,714	0.0	4.3	-1.2	19,488	19,633	17,895	18,322	75,062	72,698	3.3
Beverage and tobacco products.....	13,327	13,425	13,252	-0.7	1.3	0.2	13,051	13,587	12,081	13,329	50,696	50,435	0.5
Beverages.....	9,707	9,697	9,802	0.1	-1.1	-0.1	9,431	9,859	8,631	9,758	36,495	37,286	-2.1
Tobacco.....	3,620	3,728	3,450	-2.9	8.1	1.4	3,620	3,728	3,450	3,571	14,201	13,149	8.0
Textile mills.....	2,604	2,593	2,642	0.4	-1.9	1.7	2,661	2,750	2,549	2,583	10,371	10,003	3.7
Textile products.....	2,205	2,195	2,184	0.5	0.5	0.6	2,291	2,289	2,125	2,243	8,684	8,523	1.9
Apparel.....	1,032	1,010	1,038	2.2	-2.7	-2.2	903	944	986	894	3,787	3,618	4.7
Leather and allied products.....	383	384	390	-0.3	-1.5	-1.0	391	402	388	386	1,551	1,531	1.3
Paper products.....	15,557	15,724	15,632	-1.1	0.6	0.2	15,008	16,276	14,518	15,134	61,038	61,090	-0.1
Pulp, paper, and paperboard mills.....	6,505	6,591	6,562	-1.3	0.4	0.0	6,288	6,774	6,072	6,374	25,689	25,980	-1.1
Paperboard containers.....	5,357	5,430	5,401	-1.3	0.5	-0.5	5,159	5,687	4,959	5,140	21,084	20,533	2.7
Printing.....	6,362	6,418	6,558	-0.9	-2.1	-0.3	6,296	6,676	5,882	6,894	25,075	26,807	-6.5
Petroleum and coal products.....	42,810	42,577	43,545	0.5	-2.2	-0.7	43,404	41,146	37,166	33,443	161,094	117,830	36.7
Petroleum refineries.....	38,726	38,596	39,696	0.3	-2.8	-0.9	39,544	37,298	34,031	29,907	147,414	105,455	39.8
Chemical products.....	65,480	65,262	65,447	0.3	-0.3	0.9	65,499	70,435	61,056	64,632	257,693	251,565	2.4
Pesticides, fertilizers, and other agricultural chemicals.....	2,855	2,911	3,018	-1.9	-3.5	-2.2	3,788	4,128	3,230	4,528	13,634	15,739	-13.4
Pharmaceuticals and medicines.....	21,847	21,535	21,687	1.4	-0.7	2.4	21,267	22,717	19,959	20,333	84,364	80,323	5.0
Paints, coatings, and adhesives.....	3,743	3,714	3,682	0.8	0.9	1.5	4,022	4,105	3,342	3,949	14,625	14,223	2.8
Plastics and rubber products.....	19,946	19,900	20,083	0.2	-0.9	0.5	19,741	21,073	18,547	20,298	77,772	78,208	-0.6

^b Preliminary

^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Estimates and percent changes of shipments for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 2. Value of Manufacturers' New Orders for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Apr. 2017 ^p	Mar. 2017 ^f	Feb. 2017	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2017 ^p	Mar. 2017 ^f	Feb. 2017	Apr. 2016	2017 ^p	2016	% Change 2017/ 2016
All manufacturing industries ²	469,030	469,855	465,137	-0.2	1.0	0.8	456,723	504,579	434,726	443,741	1,820,258	1,743,013	4.4
Excluding transportation ²	390,598	390,342	389,662	0.1	0.2	0.3	385,985	412,355	364,023	367,811	1,524,838	1,444,760	5.5
Excluding defense ²	456,258	457,160	455,300	-0.2	0.4	1.1	444,959	488,659	425,893	432,007	1,773,865	1,696,181	4.6
With unfilled orders ²	166,523	168,079	162,384	-0.9	3.5	2.0	157,538	188,495	153,838	155,132	644,619	619,082	4.1
Durable goods industries ²	231,007	232,817	227,461	-0.8	2.4	1.4	221,124	260,133	215,355	221,432	898,734	879,169	2.2
Primary metals.....	19,231	19,366	19,220	-0.7	0.8	2.8	19,116	20,896	18,996	17,751	77,920	71,684	8.7
Iron and steel mills.....	8,890	9,071	8,787	-2.0	3.2	3.2	8,913	9,737	8,691	8,675	36,257	34,354	5.5
Aluminum and nonferrous metals.....	9,089	8,984	9,117	1.2	-1.5	2.0	8,968	9,745	8,999	7,625	36,424	31,411	16.0
Ferrous metal foundries.....	1,252	1,311	1,316	-4.5	-0.4	5.3	1,235	1,414	1,306	1,451	5,239	5,919	-11.5
Fabricated metal products.....	31,859	32,188	30,590	-1.0	5.2	-1.9	31,738	34,887	29,781	30,050	126,096	117,921	6.9
Machinery.....	30,710	30,936	30,726	-0.7	0.7	0.2	31,064	34,885	29,957	29,706	124,774	121,629	2.6
Construction machinery.....	1,962	2,337	1,980	-16.0	18.0	-1.4	2,061	2,679	2,057	1,819	8,858	7,987	10.9
Mining, oil field, and gas field machinery.....	908	990	966	-8.3	2.5	9.8	766	1,024	1,010	17	3,649	4,168	-12.5
Industrial machinery.....	2,872	2,806	2,813	2.4	-0.2	1.3	2,748	3,274	2,484	2,545	11,205	10,636	5.3
Photographic equipment.....	546	561	553	-2.7	1.4	1.3	474	634	487	483	2,071	2,108	-1.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,808	3,931	3,807	-3.1	3.3	0.2	3,634	4,472	3,248	3,525	14,571	13,784	5.7
Metalworking machinery.....	3,001	2,956	2,919	1.5	1.3	3.9	2,850	3,068	2,703	3,066	11,253	11,327	-0.7
Turbines, generators, and other power transmission equipment.....	3,765	3,785	3,738	-0.5	1.3	-5.2	4,010	3,838	3,652	4,078	15,331	15,458	-0.8
Material handling equipment.....	2,859	2,858	2,880	0.0	-0.8	1.0	2,700	3,233	2,886	2,493	11,497	10,531	9.2
Computers and electronic products ²	22,259	21,910	22,419	1.6	-2.3	-0.7	20,447	25,565	20,504	20,216	85,595	83,174	2.9
Computers.....	759	754	878	0.7	-14.1	8.5	709	788	637	654	2,784	2,535	9.8
Nondefense communications equipment.....	2,924	2,770	3,026	5.6	-8.5	-0.9	2,781	3,308	3,104	2,611	11,622	10,836	7.3
Defense communications equipment.....	217	245	232	-11.4	5.6	5.5	223	318	231	242	963	1,010	-4.7
Electronic components.....	4,050	4,032	4,051	0.4	-0.5	1.1	3,936	4,129	3,654	3,678	15,364	14,256	7.8
Nondefense search and navigation equipment.....	1,457	1,436	1,330	1.5	8.0	-8.4	1,469	1,676	1,413	1,331	5,891	5,474	7.6
Defense search and navigation equipment.....	2,435	2,482	2,446	-1.9	1.5	-8.4	2,350	3,101	2,284	2,778	9,886	10,439	-5.3
Electromedical, measuring, and control instruments.....	8,678	8,517	8,659	1.9	-1.6	0.8	7,687	10,115	7,829	7,520	32,985	32,166	2.5
Electrical equipment, appliances, and components.....	10,135	10,339	10,225	-2.0	1.1	2.2	9,529	11,132	9,778	9,518	39,946	39,751	0.5
Electric lighting equipment.....	1,116	1,099	1,104	1.5	-0.5	2.9	1,077	1,132	1,054	1,029	4,277	4,291	-0.3
Household appliances.....	1,572	1,584	1,609	-0.8	-1.6	0.4	1,554	1,732	1,350	1,634	5,996	6,344	-5.5
Electrical equipment.....	2,769	2,804	2,870	-1.2	-2.3	0.2	2,580	3,160	2,726	2,777	11,154	11,516	-3.1
Transportation equipment.....	78,432	79,513	75,475	-1.4	5.4	3.6	70,738	92,224	70,703	75,930	295,420	298,253	-0.9
Motor vehicle bodies, parts, and trailers.....	27,536	27,362	27,764	0.6	-1.4	1.6	26,677	30,485	28,139	26,274	110,459	105,364	4.8
Nondefense aircraft and parts.....	11,497	12,653	10,967	-9.1	15.4	41.9	6,494	15,320	7,442	9,522	32,399	32,250	0.5
Defense aircraft and parts.....	5,352	4,995	3,495	7.1	42.9	-0.2	5,152	5,919	2,655	4,962	17,473	17,898	-2.4
Ships and boats.....	3,057	3,035	1,667	0.7	82.1	-25.3	2,754	3,191	2,202	2,189	10,523	10,644	-1.1
Furniture and related products.....	6,444	6,454	6,676	-0.2	-3.3	0.6	6,762	7,170	6,731	6,611	27,032	26,539	1.9
Nondurable goods industries.....	238,023	237,038	237,676	0.4	-0.3	0.3	235,599	244,446	219,371	222,309	921,524	863,844	6.7

^p Preliminary

^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change April 2017/ 2016
	Apr. 2017 ^p	Mar. 2017 ^f	Feb. 2017	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2017 ^p	Mar. 2017 ^f	Feb. 2017	Apr. 2016	
All manufacturing industries ²	1,122,974	1,120,560	1,117,110	0.2	0.3	-0.2	1,131,479	1,131,164	1,124,539	1,145,485	-1.2
Excluding transportation ²	356,235	355,201	353,670	0.3	0.4	0.1	362,762	360,055	355,660	352,416	2.9
Excluding defense ²	945,100	943,451	940,464	0.2	0.3	0.1	951,435	952,047	947,044	965,461	-1.5
Durable goods industries ²	1,122,974	1,120,560	1,117,110	0.2	0.3	-0.2	1,131,479	1,131,164	1,124,539	1,145,485	-1.2
Primary metals.....	29,810	29,623	29,427	0.6	0.7	0.9	30,582	30,456	30,195	29,415	4.0
Iron and steel mills.....	14,384	14,546	14,484	-1.1	0.4	-0.1	14,972	15,076	14,864	14,447	3.6
Aluminum and nonferrous metals.....	11,417	11,053	10,932	3.3	1.1	2.4	11,487	11,248	11,200	11,112	3.4
Ferrous metal foundries.....	4,009	4,024	4,011	-0.4	0.3	0.2	4,123	4,132	4,131	3,856	6.9
Fabricated metal products.....	77,065	76,330	75,331	1.0	1.3	-0.7	78,460	77,248	75,105	77,343	1.4
Machinery.....	98,426	98,458	98,190	0.0	0.3	0.3	100,059	99,687	99,444	99,892	0.2
Construction machinery.....	5,259	5,298	4,961	-0.7	6.8	0.0	5,706	5,704	5,352	5,992	-4.8
Mining, oil field, and gas field machinery.....	5,100	5,176	5,161	-1.5	0.3	-0.2	5,079	5,226	5,248	6,191	-18.0
Industrial machinery.....	8,062	8,155	8,224	-1.1	-0.8	-0.4	8,306	8,253	8,296	9,451	-12.1
Photographic equipment.....	1,371	1,403	1,407	-2.3	-0.3	0.4	1,380	1,407	1,442	1,274	8.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,893	5,895	5,798	0.0	1.7	0.6	6,138	6,111	5,887	5,865	4.7
Metalworking machinery.....	7,905	7,925	7,944	-0.3	-0.2	-1.5	8,071	7,920	8,068	8,335	-3.2
Turbines, generators, and other power transmission equipment.....	29,633	29,790	29,855	-0.5	-0.2	0.1	29,671	29,727	29,889	29,481	0.6
Material handling equipment.....	11,738	11,692	11,604	0.4	0.8	1.1	11,976	11,938	11,753	10,834	10.5
Computers and electronic products ²	117,613	117,529	117,644	0.1	-0.1	0.1	119,345	118,733	117,840	114,852	3.9
Computers.....	1,773	1,757	1,754	0.9	0.2	3.5	1,773	1,757	1,754	1,651	7.4
Nondefense communications equipment.....	25,362	25,161	25,167	0.8	0.0	1.2	25,949	25,473	25,421	23,270	11.5
Defense communications equipment.....	1,583	1,597	1,590	-0.9	0.4	-0.4	1,605	1,614	1,548	1,660	-3.3
Electronic components.....	11,363	11,290	11,301	0.6	-0.1	0.1	11,510	11,338	11,465	11,125	3.5
Nondefense search and navigation equipment.....	18,196	18,199	18,187	0.0	0.1	-0.4	18,396	18,189	18,179	17,511	5.1
Defense search and navigation equipment.....	27,562	27,765	27,866	-0.7	-0.4	-0.6	27,983	28,080	27,733	28,773	-2.7
Electromedical, measuring, and control instruments.....	31,774	31,760	31,779	0.0	-0.1	0.1	32,129	32,282	31,740	30,862	4.1
Electrical equipment, appliances, and components.....	22,750	22,690	22,502	0.3	0.8	0.8	23,195	23,287	22,975	20,606	12.6
Electric lighting equipment.....	1,530	1,504	1,510	1.7	-0.4	0.8	1,561	1,527	1,526	1,564	-0.2
Household appliances.....	1,074	1,079	1,085	-0.5	-0.6	3.8	1,119	1,084	1,077	981	14.1
Electrical equipment.....	8,564	8,535	8,494	0.3	0.5	1.1	8,641	8,590	8,563	8,106	6.6
Transportation equipment.....	766,739	765,359	763,440	0.2	0.3	-0.3	768,717	771,109	768,879	793,069	-3.1
Motor vehicle bodies, parts, and trailers.....	23,516	23,376	23,157	0.6	0.9	1.6	23,664	23,992	23,866	23,170	2.1
Nondefense aircraft and parts.....	573,732	573,497	572,443	0.0	0.2	-0.1	573,919	577,062	576,070	597,647	-4.0
Defense aircraft and parts.....	73,597	72,044	71,023	2.2	1.4	-0.7	74,608	72,690	71,765	70,396	6.0
Ships and boats.....	23,701	23,697	23,812	0.0	-0.5	-5.9	24,210	24,416	24,694	25,758	-6.0
Furniture and related products.....	9,850	9,857	9,869	-0.1	-0.1	2.2	10,400	9,930	9,394	9,612	8.2

^p Preliminary

^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 4. Value of Manufacturers' Inventories for Industry Groups¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change
	Apr. 2017 ^p	Mar. 2017 ^r	Feb. 2017	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2017 ^p	Mar. 2017 ^r	Feb. 2017	Apr. 2016	
All manufacturing industries.....	649,700	649,198	648,087	0.1	0.2	0.2	653,462	646,595	650,207	637,819	2.5
Excluding transportation.....	520,454	519,794	518,464	0.1	0.3	0.3	523,251	516,961	519,393	504,675	3.7
Excluding defense.....	623,046	623,169	621,747	0.0	0.2	0.2	626,748	620,504	623,795	611,530	2.5
With unfilled orders.....	320,916	320,544	319,828	0.1	0.2	0.3	323,062	319,787	321,606	320,601	0.8
Durable goods industries.....	394,570	393,902	392,721	0.2	0.3	0.2	397,055	393,283	395,951	392,414	1.2
Wood products.....	11,611	11,567	11,470	0.4	0.8	-0.5	11,554	11,822	11,898	10,773	7.2
Nonmetallic mineral products.....	13,129	13,071	13,072	0.4	0.0	0.3	13,457	13,314	13,300	13,159	2.3
Primary metals.....	32,676	32,379	32,053	0.9	1.0	1.2	32,710	32,194	32,207	30,712	6.5
Iron and steel mills.....	18,365	18,184	17,980	1.0	1.1	1.4	18,242	18,024	18,050	16,858	8.2
Aluminum and nonferrous metals.....	12,390	12,287	12,154	0.8	1.1	1.0	12,497	12,227	12,174	11,803	5.9
Ferrous metal foundries.....	1,921	1,908	1,919	0.7	-0.6	-0.1	1,971	1,943	1,983	2,051	-3.9
Fabricated metal products.....	48,435	48,182	48,161	0.5	0.0	0.4	48,877	48,486	48,450	48,031	1.8
Machinery.....	67,507	67,340	66,729	0.2	0.9	0.1	67,831	67,135	67,338	66,082	2.6
Farm machinery.....	3,649	3,622	3,494	0.7	3.7	0.3	3,635	3,767	3,739	3,228	12.6
Construction machinery.....	5,113	5,109	5,163	0.1	-1.0	-1.7	5,186	5,147	5,193	5,659	-8.4
Mining, oil field, and gas field machinery.....	7,897	7,866	7,876	0.4	-0.1	-0.4	7,936	7,875	7,987	7,235	9.7
Industrial machinery.....	7,522	7,580	7,432	-0.8	2.0	0.5	7,442	7,715	7,486	7,064	5.4
Photographic equipment.....	1,378	1,364	1,380	1.0	-1.2	0.0	1,346	1,307	1,419	1,353	-0.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,137	4,998	4,902	2.8	2.0	0.9	5,418	5,106	5,048	4,877	11.1
Metalworking machinery.....	5,734	5,700	5,735	0.6	-0.6	0.4	5,722	5,641	5,773	5,626	1.7
Turbines, generators, and other power transmission equipment.....	9,422	9,549	9,122	-1.3	4.7	0.5	9,489	9,176	9,087	9,404	0.9
Material handling equipment.....	4,937	4,917	4,874	0.4	0.9	1.9	4,920	4,846	4,742	4,590	7.2
Computers and electronic products ²	44,213	44,107	44,024	0.2	0.2	0.4	44,527	43,370	44,384	43,848	1.5
Computers.....	1,743	1,773	1,779	-1.7	-0.3	-0.8	1,707	1,667	1,795	1,498	14.0
Computer storage devices.....	1,458	1,447	1,436	0.8	0.8	2.4	1,425	1,330	1,492	1,349	5.6
Other peripheral equipment.....	1,214	1,217	1,182	-0.2	3.0	1.5	1,237	1,164	1,207	1,171	5.6
Nondefense communications equipment.....	4,067	4,007	4,015	1.5	-0.2	1.5	4,040	3,953	4,116	3,991	1.2
Defense communications equipment.....	571	563	568	1.4	-0.9	3.5	571	563	568	593	-3.7
Audio and video equipment.....	761	767	735	-0.8	4.4	3.5	709	679	701	604	17.4
Electronic components.....	7,683	7,620	7,591	0.8	0.4	0.4	7,901	7,570	7,637	7,516	5.1
Nondefense search and navigation equipment.....	3,088	3,076	3,064	0.4	0.4	-0.4	3,107	3,041	3,055	3,078	0.9
Defense search and navigation equipment.....	3,108	3,126	3,118	-0.6	0.3	0.3	3,155	3,115	3,123	2,976	6.0
Electromedical, measuring and control instruments.....	14,410	14,442	14,405	-0.2	0.3	0.0	14,455	14,182	14,338	14,603	-1.0
Electrical equipment, appliances, and components.....	17,393	17,461	17,242	-0.4	1.3	0.4	17,643	17,397	17,280	17,302	2.0
Electric lighting equipment.....	2,130	2,113	2,116	0.8	-0.1	1.1	2,151	2,081	2,110	2,051	4.9
Household appliances.....	2,398	2,415	2,414	-0.7	0.0	0.8	2,454	2,423	2,444	2,430	1.0
Electrical equipment.....	4,831	4,837	4,829	-0.1	0.2	-0.1	4,916	4,790	4,887	5,138	-4.3
Batteries.....	1,792	1,773	1,725	1.1	2.8	-0.1	1,814	1,738	1,663	1,760	3.1
Transportation equipment.....	129,246	129,404	129,623	-0.1	-0.2	0.0	130,211	129,634	130,814	133,144	-2.2
Automobiles.....	4,318	4,314	4,224	0.1	2.1	0.6	4,385	4,309	4,295	4,414	-0.7
Light trucks and utility vehicles.....	3,619	3,474	3,440	4.2	1.0	-2.2	3,581	3,428	3,560	3,682	-2.7
Heavy duty trucks.....	2,008	2,033	2,003	-1.2	1.5	-1.5	2,039	2,054	2,076	2,035	0.2
Motor vehicle bodies, parts, and trailers.....	24,127	24,101	24,205	0.1	-0.4	-1.4	24,183	24,185	24,489	24,463	-1.1
Nondefense aircraft and parts.....	66,755	67,714	67,633	-1.4	0.1	0.2	67,693	67,926	68,234	70,845	-4.4
Defense aircraft and parts.....	12,885	12,098	12,221	6.5	-1.0	0.7	12,892	12,060	12,267	12,305	4.8
Ships and boats.....	3,265	3,340	3,281	-2.2	1.8	-2.7	3,206	3,423	3,294	3,216	-0.3
Furniture and related products.....	7,598	7,629	7,574	-0.4	0.7	0.9	7,545	7,453	7,514	7,260	3.9
Miscellaneous durable goods.....	22,762	22,762	22,773	0.0	0.0	0.0	22,700	22,478	22,766	22,103	2.7
Nonurable goods industries.....	255,130	255,296	255,366	-0.1	0.0	0.2	256,407	253,312	254,256	245,405	4.5
Food products.....	55,735	55,815	55,907	-0.1	-0.2	0.7	54,668	54,564	55,527	53,770	1.7
Grain and oilseed milling.....	5,614	5,682	5,727	-1.2	-0.8	0.4	5,574	5,679	5,950	5,541	0.6
Dairy products.....	8,323	8,326	8,339	0.0	-0.2	0.5	8,561	8,328	8,299	7,816	9.5
Meat, poultry, and seafood products.....	9,151	9,242	9,231	-1.0	0.1	1.0	9,169	9,243	9,198	9,359	-2.0
Beverage and tobacco products.....	23,464	23,546	23,560	-0.3	-0.1	0.2	23,573	23,604	23,776	23,409	0.7
Beverages.....	19,039	19,144	19,181	-0.5	-0.2	0.2	19,210	19,150	19,214	19,006	1.1
Tobacco.....	4,425	4,402	4,379	0.5	0.5	0.4	4,363	4,454	4,562	4,403	-0.9
Textile mills.....	3,213	3,193	3,151	0.6	1.3	-0.8	3,223	3,177	3,147	3,153	2.2
Textile products.....	3,366	3,375	3,376	-0.3	0.0	0.3	3,377	3,397	3,414	3,345	1.0
Apparel.....	2,114	2,122	2,111	-0.4	0.5	0.0	2,046	2,027	2,072	2,162	-5.4
Leather and allied products.....	804	803	791	0.1	1.5	0.5	791	779	774	804	-1.6
Paper products.....	15,578	15,570	15,589	0.1	-0.1	-0.4	15,666	15,651	15,740	15,759	-0.6
Pulp, paper, and paperboard mills.....	6,269	6,243	6,228	0.4	0.2	-0.4	6,329	6,301	6,338	6,340	-0.2
Paperboard containers.....	4,823	4,845	4,865	-0.5	-0.4	-0.8	4,857	4,874	4,919	4,921	-1.3
Printing.....	5,413	5,470	5,486	-1.0	-0.3	-0.3	5,463	5,440	5,458	5,673	-3.7
Petroleum and coal products.....	37,038	36,959	37,650	0.2	-1.8	1.0	37,785	34,750	35,600	30,174	25.2
Petroleum refineries.....	32,417	32,388	33,094	0.1	-2.1	1.2	33,179	30,244	30,944	25,574	29.7
Chemical products.....	83,135	83,200	82,599	-0.1	0.7	-0.3	84,080	84,231	83,227	81,871	2.7
Pesticides, fertilizers, and other agricultural chemicals.....	4,205	4,185	4,148	0.5	0.9	-1.0	4,302	4,485	4,564	4,175	3.0
Pharmaceuticals and medicines.....	34,717	35,019	34,738	-0.9	0.8	-1.2	35,080	35,425	34,750	34,807	0.8
Paints, coatings, and adhesives.....	3,805	3,777	3,755	0.7	0.6	0.8	3,964	3,901	3,863	3,710	6.8
Plastics and rubber products.....	25,270	25,243	25,146	0.1	0.4	0.1	25,735	25,692	25,521	25,285	1.8

^p Preliminary

^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Estimates of inventories for the semiconductor industry data are included in computers and electronic products, and all other applicable aggregate totals.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see

<<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series^{1, 2}

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date		% Change ⁶	
	Apr. 2017 ^p	Mar. 2017 ^r	Feb. 2017	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2017 ^p	Mar. 2017 ^r	Feb. 2017	Apr. 2016	2017 ^p 2016		2016
SHIPMENTS													
All manufacturing industries.....	470,833	470,776	471,571	0.0	-0.2	0.3	460,515	501,901	437,113	446,642	1,829,547	1,757,688	4.1
Construction materials and supplies.....	49,342	49,539	49,515	-0.4	0.0	1.3	49,117	51,047	43,933	48,103	186,619	179,886	3.7
Information technology.....	22,555	22,342	22,468	1.0	-0.6	1.4	20,295	25,038	19,796	19,263	83,667	80,033	4.5
Computers and related products.....	1,991	1,916	2,106	3.9	-9.0	2.3	1,566	2,415	1,489	1,627	6,986	7,121	-1.9
Motor vehicle and parts.....	53,479	53,305	53,741	0.3	-0.8	-0.7	52,006	60,596	53,298	54,534	214,547	218,325	-1.7
Capital goods.....	79,906	80,086	79,997	-0.2	0.1	1.0	75,049	90,701	72,877	74,385	305,766	303,446	0.8
Nondefense capital goods ³	69,753	70,020	69,525	-0.4	0.7	0.3	65,725	79,135	62,798	66,242	266,831	268,222	-0.5
Excluding aircraft.....	62,655	62,616	62,470	0.1	0.2	1.2	59,915	69,821	57,283	59,708	241,317	241,199	0.0
Defense capital goods ⁴	10,153	10,066	10,472	0.9	-3.9	6.0	9,324	11,566	10,079	8,143	38,935	35,224	10.5
Consumer goods.....	195,046	194,020	194,438	0.5	-0.2	-0.1	191,598	200,905	181,531	179,761	755,884	706,118	7.0
Consumer durable goods.....	36,945	37,030	37,271	-0.2	-0.6	-1.8	35,917	42,052	36,642	38,575	148,207	155,094	-4.4
Consumer nondurable goods.....	158,101	156,990	157,167	0.7	-0.1	0.4	155,681	158,853	144,889	141,186	607,677	551,024	10.3
NEW ORDERS													
All manufacturing industries ⁵	469,030	469,855	465,137	-0.2	1.0	0.8	456,723	504,579	434,726	443,741	1,820,258	1,743,013	4.4
Construction materials and supplies.....	49,857	50,660	49,091	-1.6	3.2	-0.2	50,091	52,987	44,064	48,648	190,563	182,331	4.5
Information technology.....	22,544	22,393	22,655	0.7	-1.2	-0.1	20,496	26,300	21,197	20,225	87,526	85,160	2.8
Computers and related products.....	2,007	1,919	2,165	4.6	-11.4	4.9	1,582	2,418	1,548	1,623	7,070	7,093	-0.3
Motor vehicle and parts.....	53,619	53,524	54,110	0.2	-1.1	-0.2	51,678	60,722	54,065	53,823	215,311	217,184	-0.9
Capital goods.....	80,675	81,594	77,944	-1.1	4.7	2.3	74,050	94,937	71,317	77,054	305,990	303,147	0.9
Nondefense capital goods ³	70,494	71,771	70,423	-1.8	1.9	4.2	64,703	82,060	64,414	66,450	268,805	262,604	2.4
Excluding aircraft.....	62,932	62,850	62,826	0.1	0.0	0.1	61,115	71,518	60,519	60,068	250,960	247,738	1.3
Defense capital goods ⁴	10,181	9,823	7,521	3.6	30.6	-12.7	9,347	12,877	6,903	10,604	37,185	40,543	-8.3
Consumer goods.....	195,072	194,019	194,539	0.5	-0.3	0.0	191,666	200,922	181,751	179,730	756,409	706,516	7.1
Consumer durable goods.....	36,971	37,029	37,372	-0.2	-0.9	-1.5	35,985	42,069	36,862	38,544	148,732	155,492	-4.3
Consumer nondurable goods.....	158,101	156,990	157,167	0.7	-0.1	0.4	155,681	158,853	144,889	141,186	607,677	551,024	10.3
UNFILLED ORDERS													
All manufacturing industries ⁵	1,122,974	1,120,560	1,117,110	0.2	0.3	-0.2	1,131,479	1,131,164	1,124,539	1,145,485	(X)	(X)	-1.2
Construction materials and supplies.....	51,812	51,297	50,176	1.0	2.2	-0.8	52,619	51,645	49,705	50,902	(X)	(X)	3.4
Information technology.....	119,203	119,214	119,163	0.0	0.0	0.2	121,089	120,888	119,626	114,956	(X)	(X)	5.3
Computers and related products.....	1,773	1,757	1,754	0.9	0.2	3.5	1,773	1,757	1,754	1,651	(X)	(X)	7.4
Motor vehicle and parts.....	23,516	23,376	23,157	0.6	0.9	1.6	23,664	23,992	23,866	23,170	(X)	(X)	2.1
Capital goods.....	839,042	838,273	836,765	0.1	0.2	-0.2	844,401	845,400	841,164	859,973	(X)	(X)	-1.8
Nondefense capital goods ³	697,280	696,539	694,788	0.1	0.3	0.1	700,663	701,685	698,760	713,318	(X)	(X)	-1.8
Excluding aircraft.....	225,476	225,199	224,965	0.1	0.1	0.2	229,208	228,008	226,311	223,203	(X)	(X)	2.7
Defense capital goods ⁴	141,762	141,734	141,977	0.0	-0.2	-2.0	143,738	143,715	142,404	146,655	(X)	(X)	-2.0
Consumer goods.....	5,267	5,241	5,242	0.5	0.0	2.0	5,529	5,461	5,444	5,174	(X)	(X)	6.9
Consumer durable goods.....	5,267	5,241	5,242	0.5	0.0	2.0	5,529	5,461	5,444	5,174	(X)	(X)	6.9
TOTAL INVENTORIES													
All manufacturing industries.....	649,700	649,198	648,087	0.1	0.2	0.2	653,462	646,595	650,207	637,819	(X)	(X)	2.5
Construction materials and supplies.....	65,870	65,401	65,269	0.7	0.2	0.1	66,841	66,193	66,297	64,728	(X)	(X)	3.3
Information technology.....	38,246	38,317	38,058	-0.2	0.7	0.4	38,265	37,570	38,208	37,369	(X)	(X)	2.4
Computers and related products.....	4,415	4,437	4,397	-0.5	0.9	0.8	4,369	4,161	4,494	4,018	(X)	(X)	8.7
Motor vehicle and parts.....	34,072	33,922	33,872	0.4	0.1	-1.2	34,188	33,976	34,420	34,594	(X)	(X)	-1.2
Capital goods.....	199,075	199,648	198,951	-0.3	0.4	0.3	200,261	198,960	199,866	199,708	(X)	(X)	0.3
Nondefense capital goods ³	176,817	177,975	177,075	-0.7	0.5	0.3	177,950	177,187	177,964	178,515	(X)	(X)	-0.3
Excluding aircraft.....	121,788	121,882	121,034	-0.1	0.7	0.3	121,959	120,698	121,502	119,116	(X)	(X)	2.4
Defense capital goods ⁴	22,258	21,673	21,876	2.7	-0.9	0.9	22,311	21,773	21,902	21,193	(X)	(X)	5.3
Consumer goods.....	195,138	195,437	195,753	-0.2	-0.2	0.2	195,098	191,987	193,939	185,978	(X)	(X)	4.9
Consumer durable goods.....	29,223	29,126	28,940	0.3	0.6	0.0	29,143	28,740	29,332	28,813	(X)	(X)	1.1
Consumer nondurable goods.....	165,915	166,311	166,813	-0.2	-0.3	0.2	165,955	163,247	164,607	157,165	(X)	(X)	5.6

* Not Applicable

^p Preliminary

^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Topical series are regroupings of the separate industry categories.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

⁵ Estimates and percent changes exclude semiconductor industry data.

⁶ Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see

<<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at

<www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				% Change
	Apr. 2017 ^p	Mar. 2017 ^f	Feb. 2017	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2017 ^p	Mar. 2017 ^f	Feb. 2017	Apr. 2016	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	221,831	220,238	218,547	0.7	0.8	0.2	222,124	219,315	219,227	214,866	3.4
Durable goods industries.....	133,230	132,217	131,085	0.8	0.9	-0.1	133,038	131,668	131,817	129,118	3.0
Wood products.....	4,815	4,785	4,784	0.6	0.0	0.5	4,550	4,734	4,967	4,194	8.5
Nonmetallic mineral products.....	5,430	5,432	5,386	0.0	0.9	0.8	5,473	5,453	5,391	5,367	2.0
Primary metals.....	12,244	12,139	12,035	0.9	0.9	0.5	11,945	11,939	12,022	11,197	6.7
Fabricated metal products.....	17,745	17,706	17,534	0.2	1.0	0.2	17,747	17,715	17,550	17,512	1.1
Machinery.....	23,450	23,586	23,355	-0.6	1.0	-0.6	23,527	23,495	23,339	24,736	-4.9
Computers and electronic products.....	18,018	17,941	17,849	0.4	0.5	0.5	18,086	17,764	17,873	17,352	4.2
Electrical equipment, appliances, and components.....	6,994	6,994	6,866	0.0	1.9	0.0	7,051	6,946	6,861	7,018	0.5
Transportation equipment.....	33,111	32,296	31,966	2.5	1.0	-0.5	33,292	32,446	32,554	30,601	8.8
Furniture and related products.....	3,684	3,663	3,654	0.6	0.2	-1.2	3,678	3,628	3,646	3,544	3.8
Miscellaneous products.....	7,739	7,675	7,656	0.8	0.2	-0.9	7,689	7,548	7,614	7,597	1.2
Nondurable goods industries.....	88,601	88,021	87,462	0.7	0.6	0.6	89,086	87,647	87,410	85,748	3.9
Food products.....	19,675	19,515	19,506	0.8	0.0	0.1	19,437	19,190	19,455	19,086	1.8
Beverage and tobacco products.....	5,741	5,799	5,804	-1.0	-0.1	-0.2	5,818	5,916	5,926	6,133	-5.1
Textiles.....	1,126	1,114	1,114	1.1	0.0	-0.7	1,127	1,114	1,119	1,131	-0.4
Textile products.....	1,249	1,241	1,251	0.6	-0.8	-0.6	1,248	1,245	1,258	1,293	-3.5
Apparel.....	581	581	586	0.0	-0.9	-0.7	572	565	573	612	-6.5
Leather and allied products.....	226	228	230	-0.9	-0.9	0.4	223	221	224	240	-7.1
Paper products.....	7,655	7,657	7,663	0.0	-0.1	-0.2	7,648	7,719	7,769	7,807	-2.0
Printing.....	2,614	2,615	2,642	0.0	-1.0	0.0	2,616	2,597	2,631	2,770	-5.6
Petroleum and coal products.....	10,770	10,733	10,789	0.3	-0.5	3.5	11,046	10,193	10,176	9,273	19.1
Chemical products.....	28,703	28,242	27,652	1.6	2.1	0.3	29,049	28,509	27,963	27,098	7.2
Plastics and rubber products.....	10,261	10,296	10,225	-0.3	0.7	1.2	10,302	10,378	10,316	10,305	0.0
WORK IN PROCESS											
All manufacturing industries.....	199,800	200,350	201,039	-0.3	-0.3	0.5	201,360	200,122	201,944	199,419	1.0
Durable goods industries.....	150,099	150,843	151,023	-0.5	-0.1	0.7	151,442	150,789	151,884	153,431	-1.3
Wood products.....	2,042	2,049	2,035	-0.3	0.7	-0.7	2,073	2,101	2,084	1,933	7.2
Nonmetallic mineral products.....	1,465	1,460	1,462	0.3	-0.1	-0.1	1,519	1,519	1,522	1,490	1.9
Primary metals.....	9,521	9,427	9,216	1.0	2.3	1.0	9,605	9,368	9,236	9,179	4.6
Fabricated metal products.....	12,962	12,871	12,903	0.7	-0.2	0.4	12,973	12,860	12,923	12,499	3.8
Machinery.....	21,069	20,894	20,620	0.8	1.3	1.3	21,011	20,662	20,819	19,000	10.6
Computers and electronic products.....	13,975	13,877	13,955	0.7	-0.6	0.9	14,292	13,752	14,108	14,321	-0.2
Electrical equipment, appliances, and components.....	3,891	3,913	3,883	-0.6	0.8	1.1	3,949	3,896	3,888	3,795	4.1
Transportation equipment.....	80,657	81,757	82,268	-1.3	-0.6	0.5	81,465	82,085	82,604	86,728	-6.1
Furniture and related products.....	1,078	1,126	1,151	-4.3	-2.2	3.4	1,076	1,116	1,149	1,103	-2.4
Miscellaneous products.....	3,439	3,469	3,530	-0.9	-1.7	0.5	3,479	3,430	3,551	3,383	2.8
Nondurable goods industries.....	49,701	49,507	50,016	0.4	-1.0	0.1	49,918	49,333	50,060	45,988	8.5
Food products.....	6,077	6,101	6,153	-0.4	-0.8	1.4	5,741	5,941	6,316	5,685	1.0
Beverage and tobacco products.....	8,801	8,770	8,651	0.4	1.4	0.5	8,755	8,848	8,871	8,447	3.6
Textiles.....	667	667	655	0.0	1.8	0.5	675	659	648	680	-0.7
Textile products.....	411	403	409	2.0	-1.5	-1.0	419	406	416	430	-2.6
Apparel.....	321	335	335	-4.2	0.0	2.1	310	316	328	337	-8.0
Leather and allied products.....	89	89	90	0.0	-1.1	-4.3	89	89	90	90	-1.1
Paper products.....	1,255	1,258	1,231	-0.2	2.2	0.2	1,255	1,261	1,236	1,280	-2.0
Printing.....	1,049	1,092	1,063	-3.9	2.7	-3.8	1,059	1,083	1,054	1,216	-12.9
Petroleum and coal products.....	11,259	10,990	11,516	2.4	-4.6	-0.1	11,722	10,616	11,094	8,751	34.0
Chemical products.....	16,669	16,710	16,803	-0.2	-0.6	-0.3	16,728	16,968	16,837	16,023	4.4
Plastics and rubber products.....	3,103	3,092	3,110	0.4	-0.6	0.6	3,165	3,146	3,170	3,049	3.8
FINISHED GOODS											
All manufacturing industries.....	228,069	228,610	228,501	-0.2	0.0	0.0	229,978	227,158	229,036	223,534	2.9
Durable goods industries.....	111,241	110,842	110,613	0.4	0.2	0.1	112,575	110,826	112,250	109,865	2.5
Wood products.....	4,754	4,733	4,651	0.4	1.8	-1.3	4,931	4,987	4,847	4,646	6.1
Nonmetallic mineral products.....	6,234	6,179	6,224	0.9	-0.7	0.0	6,465	6,342	6,387	6,302	2.6
Primary metals.....	10,911	10,813	10,802	0.9	0.1	2.0	11,160	10,887	10,949	10,336	8.0
Fabricated metal products.....	17,728	17,605	17,724	0.7	-0.7	0.7	18,157	17,911	17,977	18,020	0.8
Machinery.....	22,988	22,860	22,754	0.6	0.5	0.0	23,293	22,978	23,180	22,346	4.2
Computers and electronic products.....	12,220	12,289	12,220	-0.6	0.6	-0.3	12,149	11,854	12,403	12,175	-0.2
Electrical equipment, appliances, and components.....	6,508	6,554	6,493	-0.7	0.9	0.4	6,643	6,555	6,531	6,489	2.4
Transportation equipment.....	15,478	15,351	15,389	0.8	-0.2	-1.6	15,454	15,103	15,656	15,815	-2.3
Furniture and related products.....	2,836	2,840	2,769	-0.1	2.6	2.8	2,791	2,709	2,719	2,613	6.8
Miscellaneous products.....	11,584	11,618	11,587	-0.3	0.3	0.4	11,532	11,500	11,601	11,123	3.7
Nondurable goods industries.....	116,828	117,768	117,888	-0.8	-0.1	-0.1	117,403	116,332	116,786	113,669	3.3
Food products.....	29,983	30,199	30,248	-0.7	-0.2	0.9	29,490	29,433	29,756	28,999	1.7
Beverage and tobacco products.....	8,922	8,977	9,105	-0.6	-1.4	0.2	9,000	8,840	8,979	8,829	1.9
Textiles.....	1,420	1,412	1,382	0.6	2.2	-1.6	1,421	1,404	1,380	1,342	5.9
Textile products.....	1,706	1,731	1,716	-1.4	0.9	1.2	1,710	1,746	1,740	1,622	5.4
Apparel.....	1,212	1,206	1,190	0.5	1.3	-0.3	1,164	1,146	1,171	1,213	-4.0
Leather and allied products.....	489	486	471	0.6	3.2	1.5	479	469	460	474	1.1
Paper products.....	6,668	6,655	6,695	0.2	-0.6	-0.6	6,763	6,671	6,735	6,672	1.4
Printing.....	1,750	1,763	1,781	-0.7	-1.0	1.4	1,788	1,760	1,773	1,687	6.0
Petroleum and coal products.....	15,009	15,236	15,345	-1.5	-0.7	0.2	15,017	13,941	14,330	12,150	23.6
Chemical products.....	37,763	38,248	38,144	-1.3	0.3	-0.7	38,303	38,754	38,427	38,750	-1.2
Plastics and rubber products.....	11,906	11,855	11,811	0.4	0.4	-1.0	12,268	12,168	12,035	11,931	2.8

^p Preliminary

^f Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html>.

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group ¹

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ²			
	Apr 2017 ^p	Mar 2017 ^r	Feb 2017	Jan 2017	Apr 2017 ^p	Mar 2017 ^r	Feb 2017	Jan 2017
All manufacturing industries ³	1.38	1.38	1.37	1.38	(X)	(X)	(X)	(X)
Durable goods industries ³	1.69	1.69	1.68	1.68	6.84	6.81	6.80	6.87
Wood products.....	1.26	1.25	1.23	1.26	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.25	1.23	1.23	1.25	(X)	(X)	(X)	(X)
Primary metals.....	1.72	1.69	1.69	1.68	1.57	1.55	1.55	1.54
Fabricated metal products.....	1.56	1.54	1.55	1.55	2.54	2.52	2.48	2.52
Machinery.....	2.20	2.20	2.19	2.21	3.57	3.58	3.60	3.64
Computers and electronic products ³	1.68	1.67	1.64	1.62	5.76	5.78	5.75	5.82
Electrical equipment, appliances, and components.....	1.73	1.72	1.71	1.73	2.48	2.45	2.46	2.48
Transportation equipment.....	1.68	1.67	1.66	1.66	15.04	14.88	14.82	14.97
Furniture and related products.....	1.18	1.18	1.17	1.17	1.75	1.75	1.76	1.74
Miscellaneous products.....	1.86	1.86	1.87	1.87	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.07	1.08	1.07	1.08	(X)	(X)	(X)	(X)
Food products.....	0.82	0.83	0.84	0.83	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.76	1.75	1.78	1.78	(X)	(X)	(X)	(X)
Textiles.....	1.23	1.23	1.19	1.22	(X)	(X)	(X)	(X)
Textile products.....	1.53	1.54	1.55	1.55	(X)	(X)	(X)	(X)
Apparel.....	2.05	2.10	2.03	1.99	(X)	(X)	(X)	(X)
Leather and allied products.....	2.10	2.09	2.03	2.00	(X)	(X)	(X)	(X)
Paper products.....	1.00	0.99	1.00	1.00	(X)	(X)	(X)	(X)
Printing.....	0.85	0.85	0.84	0.84	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.87	0.87	0.86	0.85	(X)	(X)	(X)	(X)
Chemical products.....	1.27	1.27	1.26	1.26	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.27	1.27	1.25	1.26	(X)	(X)	(X)	(X)

^x Not Applicable

^p Preliminary

^r Revised data due to late receipts and concurrent seasonal adjustment.

² Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

³ Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/show_the_data_are_collected/index.html>.

Table 8. Revisions to Previously Published Monthly Percent Changes ¹

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Apr ² 2017	Apr ³ 2016-Mar 2017	Apr ² 2017	Apr ³ 2016-Mar 2017	Apr ² 2017	Apr ³ 2016-Mar 2017	Apr ² 2017	Apr ³ 2016-Mar 2017
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.1	-0.1	0.5	0.0	0.1	0.1	0.1
Wood products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Nonmetallic mineral products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.1
Primary metals.....	-0.1	0.3	-0.5	0.7	-0.4	0.3	0.4	0.3
Fabricated metal products.....	-0.2	0.3	-0.1	1.0	0.1	0.3	-0.1	0.2
Machinery.....	-0.1	0.4	0.1	0.4	0.1	0.1	0.1	0.1
Computers and electronic products.....	0.2	0.4	0.2	0.8	0.0	0.1	-0.1	0.1
Electrical equipment, appliances, and components.....	-0.1	0.3	-0.3	0.5	0.0	0.2	0.0	0.2
Transportation equipment.....	-0.2	0.2	-0.2	1.2	0.0	0.1	0.0	0.1
Furniture and related products.....	(X)	0.3	(X)	0.9	(X)	0.5	(X)	0.2
Miscellaneous products.....	(X)	0.5	(X)	0.6	(X)	0.2	(X)	0.1
Nondurable goods industries.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.4
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Paper products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Printing.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	1.4
Chemical products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.1
Plastics and rubber products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable

NA Not Available

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

³ The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month. Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, April Full Report, June 5, 2017. Information on data sources and methodology can be found on our website at <www.census.gov/manufacturing/m3/show_the_data_are_collected/index.html>.