

Gross Domestic Product by Industry for 1987–2000

New Estimates on the North American Industry Classification System

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ON November 15, 2004, the Bureau of Economic Analysis (BEA) released new estimates of gross domestic product (GDP) by industry for 1987–97 that are based on the 1997 North American Industry Classification System (NAICS). These estimates, together with the previously published industry estimates for 1998–2000, provide the first economywide, NAICS-based view of historical industry performance and contributions to GDP growth. The new estimates confirm the trends identified in the previously published estimates that were based on the Standard Industrial Classification (SIC) system, but they also offer new insights into changes in the structure of the economy. NAICS more clearly identifies high-technology industries, so these new estimates bring into sharp focus the important role played by information and communications technology industries in the economic expansion of the late 1990s. Moreover, the greater NAICS detail for the services sector provides a better understanding of the sources of the continuing growth in that sector's share of GDP.

In general, NAICS improves on the SIC as an industry classification system because it more consistently classifies establishments into industries on the basis of similar production processes, it recognizes new and emerging industries, and it provides greater detail for the services sector. However, the ability of statistical agencies, such as BEA, to provide NAICS-based industry time series using standard methodologies has been hampered by the lack of NAICS source data for years before 1997. As a result, the estimates for 1987–97 presented in this article were developed using a new methodology for extrapolating backward the NAICS industry estimates for 1998–2002 that were released in June as part of the integrated annual industry accounts.¹ The extrapolation methodology was designed to provide historical annual estimates that are consistent over time, that largely preserve the broad patterns

observed in the previously published SIC-based estimates, and that incorporate the latest results from BEA's input-output accounts and national income and product accounts. (See the appendix on methodology for the revised estimates.)

With the release of these new estimates, BEA has significantly expanded the availability of NAICS-based historical industry data. In September 2004, BEA released new estimates of the net stock of fixed assets by NAICS industry. (See the box below.)

By combining the new GDP-by-industry estimates for 1987–97 with the integrated estimates for 1998–2000, the analysis of historical trends presented in this article can include the acceleration of economic growth during the late 1990s. These new estimates clarify that information and communications technology industries in both the goods and services sectors

NAICS Estimates Available From BEA

This release of NAICS-based GDP-by-industry accounts for 1987–97 marks the latest step in BEA's ongoing efforts to provide estimates that are classified according to the 1997 North American Industry Classification System (NAICS). In September 2004, BEA released estimates of the net stock of fixed assets by NAICS industry for 1993–2003 that incorporated the 1997 capital flow table and updated depreciation schedules. Estimates of investment and depreciation by NAICS-based industry and by type of asset for 1987–2003 were released on BEA's Web site earlier in November. Revised estimates of net stocks, depreciation, and investment by industry on the 1987 SIC basis will be available on BEA's Web site in the fall of 2005.

BEA released NAICS-based estimates for many of its industry series, including employment, for 1998–2003 as part of the 2003 comprehensive NIPA revision. Revised estimates from the GDP-by-industry accounts for 1998–2003 were released in June 2004 as part of the comprehensive revision of the annual industry accounts. Revised estimates of gross state product by NAICS industry are scheduled to be released in December 2004.

1. The estimates for 1998–2000 presented in this article are the same as those released in June. See Brian C. Moyer, Mark A. Planting, Paul V. Kern, and Abigail M. Kish, "Improved Annual Industry Accounts for 1998–2003," *SURVEY OF CURRENT BUSINESS* 84 (June 2004): 21–57. Revised estimates for 2001–2003 from the annual industry accounts will be released in December.

played important roles in the acceleration, they confirm the continuing shift in the economy towards the services sector and away from the goods sector, and they provide insight into changes in the composition of the services sector during its expansion.

The new GDP-by-industry data show the following:

- Real GDP growth accelerated during 1995–2000 to an average annual rate of 4.1 percent, compared with 2.7 percent in 1987–95. The fastest growing industry groups in 1995–2000 were durable-goods manufacturing (8.9 percent) and information (8.0 percent). The computer and electronic products industry led the growth in durable-goods manufacturing. The publishing industry, which includes software, powered growth in the information sector.
- The largest contribution to the economywide acceleration in growth was made by the finance, insurance, real estate, rental, and leasing industry group, mostly due to the securities, commodity contracts, and investments industry.² The next largest contribution was made by durable-goods manufacturing.
- Private services industries' share of GDP expanded from 61.2 percent in 1987 to 66.5 percent in 2000. The share of private goods industries fell from 24.9 percent to 21.2 percent. Manufacturing's share declined from 17.1 percent to 14.5 percent.
- Within the services sector, the share of the professional and business services industry group, which includes computer systems design and related services, increased the most, from 8.7 percent in 1987 to 11.6 percent in 2000. The finance, insurance, real estate, rental, and leasing industry group had the next largest increase in share, from 17.7 percent to 19.7 percent.

In the remainder of this article, industry trends and developments are presented, future work is described, and the methodology is explained in an appendix. The detailed estimates for 1987–2000 are presented in tables 1–12 at the end of the article. (See the box below.)

2. An industry's contribution to real GDP growth reflects both the growth rate of its real value added and its share of current-dollar GDP.

Data Availability

The GDP-by-industry accounts for 1987–97 are also available on BEA's Web site; go to <www.bea.gov>, and under "Industry," click on "GDP by Industry." The GDP-by-industry accounts are available interactively on our Web site, so users can customize the tables to view data only for the industries and for the years of interest, and users can also graph data. Users can also download tables to update spreadsheets.

Industry Trends in 1987–2000

Several important developments in the economy since 1987 can be more clearly identified and more thoroughly studied with the new GDP-by-industry estimates because of the features of NAICS. First, the important contribution of information and communications technology to the acceleration of economic growth in the late 1990s can be depicted in greater detail and with a sharper focus. Second, the sources of the continuing growth in the services sector's share of GDP relative to the goods and the manufacturing sectors can be more completely described. Third, the relationship between the growth of manufacturing output and the growth of final expenditures for goods ("GDP goods") can be better understood.

Information and communications technology

Previous studies of economic growth during the late 1990s have identified business investment in information and communications technology (ICT) as a key contributor to the economy's strong performance in this period, compared with the growth in earlier years. Both the industries that produce ICT goods and services—such as computers, communications equipment, and software—and the industries that use this technology have experienced strong growth. These industries and their contributions to economic growth could be partly seen in the previous SIC-based estimates, but NAICS allows these contributions to be identified more clearly. ICT-producing industries include computer and electronic products in the durable-goods manufacturing sector, software publishing and information and data processing in the information sector, and computer systems design and related services in the professional and business services sector. Industries that use ICT are more widespread than ICT-producing industries, and in the late 1990s, these industries were concentrated in the trade, information, financial services, and professional and business services sectors.

From 1987 through 2000, real GDP increased at an average annual rate of 3.3 percent (chart 1 and table A). Real value added grew the fastest in the information industry group (6.2 percent), closely followed by durable-goods manufacturing (5.7 percent). Real GDP growth in 1995–2000 accelerated to an average annual rate of 4.1 percent, compared with 2.7 percent in 1987–95. In 1995–2000, the fastest growing industry groups in terms of real value added were durable-goods manufacturing (8.9 percent) and information (8.0 percent). The growth in durable-goods manufacturing was led by the growth in the computer and electronic products industry, and the growth in information was led by the growth in publishing industries,

which includes software. Both the durable-goods and information industry groups made important contributions to real GDP growth during this period, but the largest contribution—which reflects both the real growth rate and the size of an industry group—was made by the finance, insurance, real estate, rental, and leasing industry group, which contributed 0.84 percentage point to the 4.1-percent growth in real GDP (table B). This contribution was propelled by the rapid acceleration in the real growth of the securities, com-

modity contracts, and investments industry.

Further insight into the sources of real value-added growth can be obtained by examining the relationships among gross output, intermediate inputs, and value added. Value added, which represents each industry's contribution to GDP, is measured as the difference between gross output (sales plus inventory change) and

**Table A. Real Value Added by Industry Group
Average Annual Rates of Change for Selected Periods**
[Percent change]

	1987–2000	1987–95	1995–2000
Gross domestic product	3.3	2.7	4.1
Private industries	3.6	2.9	4.6
Agriculture, forestry, fishing, and hunting.....	2.6	0.3	6.5
Mining.....	0.7	1.8	-1.1
Utilities.....	2.5	3.3	1.3
Construction.....	1.5	0.6	3.0
Manufacturing.....	3.9	3.0	5.4
Durable goods.....	5.7	3.7	8.9
Nondurable goods.....	1.4	2.0	0.4
Wholesale trade.....	5.0	3.7	7.2
Retail trade.....	5.1	4.3	6.5
Transportation and warehousing.....	4.6	4.7	4.4
Information.....	6.2	5.1	8.0
Finance, insurance, real estate, rental, and leasing.....	3.3	2.6	4.4
Professional and business services ¹	4.0	3.2	5.3
Educational services, health care, and social assistance.....	1.7	1.9	1.4
Arts, entertainment, recreation, accommodation, and food services.....	2.9	2.5	3.7
Other services, except government.....	1.3	2.1	0.1
Government	1.1	1.0	1.2
Addenda:			
Private goods-producing industries ²	3.2	2.3	4.7
Private services-producing industries ³	3.7	3.1	4.6

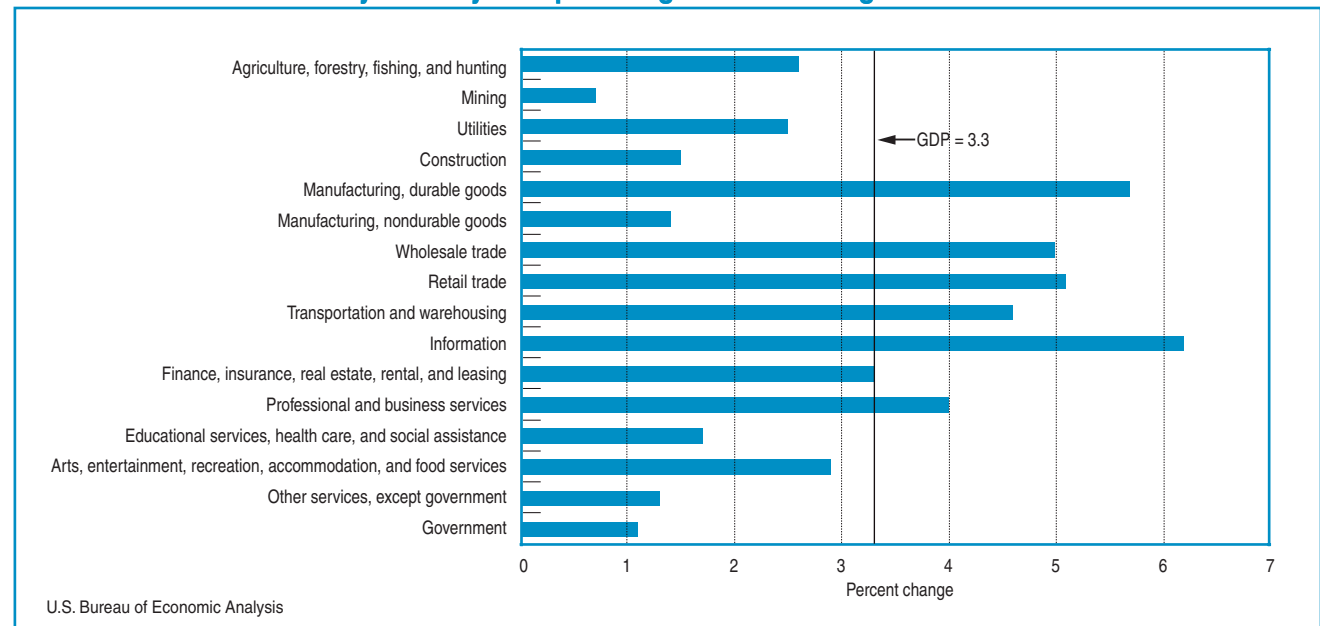
1. Consists of professional, scientific, and technical services; management of companies and enterprises; and administrative and waste management services.
 2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
 3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

Table B. Contributions to Percent Change in Real Gross Domestic Product by Industry Group for Selected Periods

	Average annual rate of change		
	1987–2000	1987–95	1995–2000
Percent change:			
Gross domestic product	3.25	2.73	4.10
Percentage points:			
Private industries	3.10	2.51	4.04
Agriculture, forestry, fishing, and hunting.....	0.03	0.01	0.08
Mining.....	0.01	0.02	-0.01
Utilities.....	0.06	0.08	0.02
Construction.....	0.06	0.02	0.12
Manufacturing.....	0.61	0.48	0.83
Durable goods.....	0.52	0.35	0.80
Nondurable goods.....	0.10	0.14	0.03
Wholesale trade.....	0.31	0.22	0.44
Retail trade.....	0.35	0.30	0.44
Transportation and warehousing.....	0.14	0.14	0.14
Information.....	0.26	0.20	0.35
Finance, insurance, real estate, rental, and leasing.....	0.61	0.47	0.84
Professional and business services ¹	0.41	0.30	0.57
Educational services, health care, and social assistance.....	0.12	0.13	0.09
Arts, entertainment, recreation, accommodation, and food services.....	0.10	0.08	0.13
Other services, except government.....	0.03	0.05	0.00
Government	0.15	0.15	0.15
Addenda:			
Private goods-producing industries ²	0.72	0.54	1.02
Private services-producing industries ³	2.38	1.98	3.03

1. Consists of professional, scientific, and technical services; management of companies and enterprises; and administrative and waste management services.
 2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
 3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.
 Note: Percentage-point contributions do not sum to the percent change in gross domestic product because the contribution of "not allocated by industry" is excluded.

Chart 1. Real Value Added by Industry Group: Average Annual Change for 1987–2000



intermediate inputs (purchases of energy, materials, and services). Growth in value added reflects growth in the primary inputs of labor and capital services and multifactor productivity growth.

The strong growth in real value added for durable-goods manufacturing in 1995–2000 (8.9 percent) reflects strong growth in real gross output, but it also suggests that productivity increased for this industry group. In 1995–2000, real gross output increased 6.8 percent, considerably faster than the average for all private industries, and real intermediate inputs increased 5.5 percent (table C). The faster growth in real value added (8.9 percent) partly reflects productivity gains in the production of gross output. These gains are further reflected in this industry group's gross output price index, which declined 2.3 percent (table D). The largest increase in real gross output was in the information sector (11.3 percent); however, the increase in real value added was less (8.0 percent) because of a rapid increase in the use of intermediate inputs (table C). The gross output price index for the information sector increased only 0.4 percent (table D).

Services sector growth

Another important development in the economy that is confirmed and clarified by the new GDP-by-industry estimates is the continuing increase in the private services-producing sector's share of GDP relative to the goods sector and to government. The services-producing sector's share of GDP increased from 61.2 percent in 1987 to 66.5 percent in 2000 (table E). The share of the goods-producing sector declined from 24.9 percent to 21.2 percent, and government's share declined from 13.9 percent to 12.3 percent. Most of the decline in the share of the goods-producing sector was due to manufacturing, but the shares of each of the industry groups in this sector also declined.

NAICS provides services sector detail that allows for a more complete understanding of the sources of the continuing shift in the structure of the economy. The largest increase in shares of the services sector was in the professional and business services sector, whose share increased nearly 3 percentage points, from 8.7 percent to 11.6 percent. Within this sector, the share of the professional, scientific, and technical services industry group increased the most (table 2). The finance, insurance, real estate, rental, and leasing sector had the second largest increase in share, from 17.7 percent in 1987 to 19.7 percent in 2000. Within this sector, the finance and insurance industry group was largely responsible for the increase; the shares of the securities, commodity contracts, and investments industry and of the insurance carriers and related activities industry

Table C. Average Annual Rates of Change in Chain-Type Quantity Indexes by Industry Group for Selected Periods

	1987–2000	1987–95	1995–2000
Gross domestic product	3.3	2.7	4.1
Private industries:			
Gross output	3.9	3.0	5.2
Intermediate inputs	4.2	3.1	5.9
Value added	3.6	2.9	4.6
Agriculture, forestry, fishing, and hunting:			
Gross output	1.7	1.4	2.1
Intermediate inputs	1.0	2.1	-0.7
Value added	2.6	0.3	6.5
Mining:			
Gross output	0.7	0.5	1.1
Intermediate inputs	0.8	-1.0	3.9
Value added	0.7	1.8	-1.1
Utilities:			
Gross output	2.1	2.5	1.5
Intermediate inputs	1.4	1.1	1.8
Value added	2.5	3.3	1.3
Construction:			
Gross output	2.0	0.3	5.0
Intermediate inputs	2.6	0.0	7.0
Value added	1.5	0.6	3.0
Manufacturing:			
Gross output	3.4	2.8	4.3
Intermediate inputs	3.1	2.7	3.7
Value added	3.9	3.0	5.4
Durable goods			
Gross output	4.8	3.7	6.8
Intermediate inputs	4.4	3.6	5.5
Value added	5.7	3.7	8.9
Nondurable goods			
Gross output	1.5	1.7	1.2
Intermediate inputs	1.6	1.6	1.6
Value added	1.4	2.0	0.4
Wholesale trade:			
Gross output	4.7	4.2	5.5
Intermediate inputs	4.0	5.2	2.1
Value added	5.0	3.7	7.2
Retail trade:			
Gross output	4.7	3.9	6.0
Intermediate inputs	3.6	2.9	4.8
Value added	5.1	4.3	6.5
Transportation and warehousing:			
Gross output	4.1	4.3	3.9
Intermediate inputs	3.6	3.9	3.2
Value added	4.6	4.7	4.4
Information:			
Gross output	7.3	4.9	11.3
Intermediate inputs	8.5	4.7	15.0
Value added	6.2	5.1	8.0
Finance, insurance, real estate, rental, and leasing:			
Gross output	3.9	2.7	6.0
Intermediate inputs	5.2	2.8	9.0
Value added	3.3	2.6	4.4
Professional and business services:¹			
Gross output	5.6	4.2	7.9
Intermediate inputs	9.1	6.6	13.3
Value added	4.0	3.2	5.3
Educational services, health care, and social assistance:			
Gross output	3.3	3.4	3.0
Intermediate inputs	6.0	6.2	5.7
Value added	1.7	1.9	1.4
Arts, entertainment, recreation, accommodation, and food services:			
Gross output	3.4	3.2	3.6
Intermediate inputs	3.9	4.2	3.5
Value added	2.9	2.5	3.7
Other services, except government:			
Gross output	3.0	3.0	2.8
Intermediate inputs	5.0	4.3	6.3
Value added	1.3	2.1	0.1
Government:			
Gross output	1.6	1.4	2.0
Intermediate inputs	2.6	2.0	3.5
Value added	1.1	1.0	1.2
Addenda:			
Private goods-producing industries:²			
Gross output	3.0	2.3	4.2
Intermediate inputs	2.9	2.2	3.9
Value added	3.2	2.3	4.7
Private services-producing industries:³			
Gross output	4.4	3.5	5.8
Intermediate inputs	5.5	4.2	7.7
Value added	3.7	3.1	4.6

1. Consists of professional, scientific, and technical services; management of companies and enterprises; and administrative and waste management services.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

Table D. Average Annual Rates of Change in Chain-Type Price Indexes by Industry Group for Selected Periods
[Percent change]

	1987-2000	1987-95	1995-2000
Gross domestic product	2.4	2.9	1.7
Private industries:			
Gross output.....	2.1	2.7	1.1
Intermediate inputs.....	1.8	2.5	0.8
Value added.....	2.3	2.8	1.4
Agriculture, forestry, fishing, and hunting:			
Gross output.....	1.0	2.4	-1.1
Intermediate inputs.....	2.3	2.9	1.4
Value added.....	-0.7	1.8	-4.7
Mining:			
Gross output.....	3.9	0.2	9.9
Intermediate inputs.....	3.1	1.7	5.5
Value added.....	4.7	-1.0	13.9
Utilities:			
Gross output.....	1.4	1.2	1.8
Intermediate inputs.....	2.8	0.7	6.1
Value added.....	0.9	1.7	-0.4
Construction:			
Gross output.....	3.0	2.8	3.4
Intermediate inputs.....	2.2	2.7	1.3
Value added.....	3.9	2.9	5.6
Manufacturing:			
Gross output.....	1.0	1.9	-0.5
Intermediate inputs.....	1.2	2.1	0.0
Value added.....	0.5	1.7	-1.4
Durable goods			
Gross output.....	-0.1	1.3	-2.3
Intermediate inputs.....	0.5	1.8	-1.5
Value added.....	-1.0	0.6	-3.6
Nondurable goods			
Gross output.....	2.3	2.7	1.8
Intermediate inputs.....	2.2	2.4	1.8
Value added.....	2.8	3.4	1.9
Wholesale trade:			
Gross output.....	1.1	2.4	-0.9
Intermediate inputs.....	2.0	2.7	0.8
Value added.....	0.8	2.4	-1.7
Retail trade:			
Gross output.....	0.8	1.4	-0.2
Intermediate inputs.....	2.6	3.1	1.9
Value added.....	-0.1	0.6	-1.2
Transportation and warehousing:			
Gross output.....	1.6	1.4	1.9
Intermediate inputs.....	2.4	2.3	2.5
Value added.....	0.8	0.5	1.4
Information:			
Gross output.....	1.2	1.8	0.4
Intermediate inputs.....	1.5	2.2	0.4
Value added.....	1.0	1.4	0.3
Finance, insurance, real estate, rental, and leasing:			
Gross output.....	3.0	3.6	2.0
Intermediate inputs.....	2.5	3.4	1.1
Value added.....	3.3	3.8	2.4
Professional and business services:¹			
Gross output.....	3.4	3.8	2.8
Intermediate inputs.....	2.3	2.9	1.3
Value added.....	4.0	4.2	3.5
Educational services, health care, and social assistance:			
Gross output.....	4.1	5.0	2.7
Intermediate inputs.....	2.4	3.1	1.4
Value added.....	5.1	6.1	3.5
Arts, entertainment, recreation, accommodation, and food services:			
Gross output.....	3.0	3.3	2.6
Intermediate inputs.....	2.4	2.7	1.8
Value added.....	3.6	3.8	3.3
Other services, except government:			
Gross output.....	3.2	3.3	3.0
Intermediate inputs.....	1.9	2.5	0.9
Value added.....	4.3	3.9	4.8
Government:			
Gross output.....	3.2	3.6	2.6
Intermediate inputs.....	2.5	2.6	2.3
Value added.....	3.6	4.1	2.7
Addenda:			
Private goods-producing industries:²			
Gross output.....	1.3	2.0	0.3
Intermediate inputs.....	1.4	2.2	0.3
Value added.....	1.2	1.8	0.3
Private services-producing industries:³			
Gross output.....	2.5	3.1	1.6
Intermediate inputs.....	2.3	2.8	1.4
Value added.....	2.6	3.2	1.8

1. Consists of professional, scientific, and technical services; management of companies and enterprises; and administrative and waste management services.

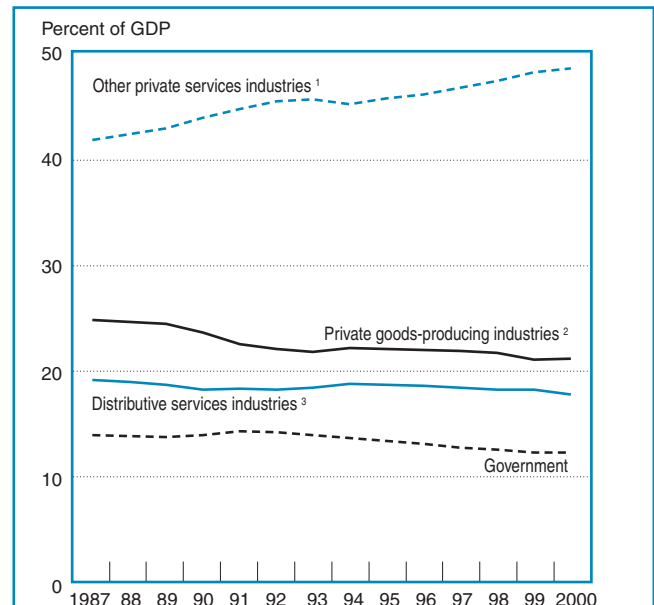
2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

rose the most. Although the increase in the share of the information sector (0.8 percentage point) was not one of the largest, the relative size of this sector rapidly increased from just 3.9 percent of GDP in 1987 to 4.7 percent in 2000.

Not all services sector industry groups experienced increases in their shares of GDP. In chart 2, the private services-producing sector is divided into “distributive services” industries and “other private services” industries. Distributive services industries consists of utilities, wholesale trade, retail trade, and transportation and warehousing, and these industries are primarily involved with the distribution of goods from producers or importers to final users. The share of the distributive services industry group declined from 19.2 percent in 1987 to 17.8 percent in 2000, partly reflecting the decline in the share of the goods-producing sector. The shares declined 0.7 percentage point for both utilities and retail trade and 0.1 percentage point for transportation and warehousing, and the share was unchanged for wholesale trade (table E). Within the “other private services” industry group, the share of GDP increased from 42.0 percent in 1987 to 48.8 percent in 2000 (chart 2); the shares increased for each of the industry groups except “other services, except

Chart 2. Shares of Current-Dollar GDP for 1987-2000



1. Consists of information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; and transportation and warehousing.

U.S. Bureau of Economic Analysis

Table E. Value Added by Industry Group in Current Dollars as a Percentage of Gross Domestic Product for Selected Years
[Percent]

	1987	1992	1995	1997	2000
Gross domestic product	100.0	100.0	100.0	100.0	100.0
Private industries	86.1	85.8	86.6	87.3	87.7
Agriculture, forestry, fishing, and hunting.....	1.7	1.6	1.3	1.3	1.0
Mining.....	1.5	1.1	1.0	1.1	1.2
Utilities.....	2.6	2.5	2.5	2.2	1.9
Construction.....	4.6	3.7	3.9	4.1	4.4
Manufacturing.....	17.1	15.7	15.9	15.4	14.5
Durable goods.....	10.2	8.9	9.2	9.1	8.8
Nondurable goods.....	6.9	6.8	6.8	6.3	5.7
Wholesale trade.....	6.0	6.0	6.2	6.3	6.0
Retail trade.....	7.4	6.8	7.0	6.9	6.7
Transportation and warehousing.....	3.2	2.9	3.1	3.1	3.1
Information.....	3.9	4.0	4.2	4.2	4.7
Finance, insurance, real estate, rental, and leasing.....	17.7	18.6	18.7	19.2	19.7
Professional and business services ¹	8.7	9.9	10.0	10.8	11.6
Educational services, health care, and social assistance.....	6.0	7.3	7.2	6.9	6.9
Arts, entertainment, recreation, accommodation, and food services.....	3.2	3.4	3.4	3.5	3.6
Other services, except government.....	2.4	2.4	2.4	2.4	2.3
Government	13.9	14.2	13.4	12.7	12.3
Addenda:					
Private goods-producing industries ²	24.9	22.1	22.1	21.9	21.2
Private services-producing industries ³	61.2	63.8	64.6	65.3	66.5

1. Consists of professional, scientific, and technical services; management of companies and enterprises; and administrative and waste management services.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

government,” whose share declined slightly from 2.4 percent to 2.3 percent.

Manufacturing output and GDP goods

Despite the long-term decline in its share of GDP, the manufacturing sector contributed substantially to the acceleration of real GDP growth during the second half of the 1990s. In 1995–2000, manufacturing real value added increased at an average annual rate of 5.4 percent, while real GDP increased 4.1 percent (table A). Manufacturing’s average contribution of 0.83 percentage point accounted for more than 20 percent of real

Acknowledgments

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GDP growth (table B). Real value added in the durable-goods manufacturing industry group, which includes the computer and electronic products industry, increased 8.9 percent and accounted for nearly all (0.80 percentage point) of manufacturing’s average contribution to real GDP growth. However, manufacturing’s share of current-dollar GDP declined from 15.9 percent to 14.5 percent, because of significant declines in the relative price of manufacturing output; these price declines were propelled by continuing sharp declines in the prices of ICT equipment.

The manufacturing sector in BEA’s GDP-by-industry accounts is often compared with the Federal Reserve Board’s manufacturing industrial production index (IPI) and with BEA’s GDP goods measure from the NIPAs.³ Because of differences in the definitions and valuations of output and differences in the estimation procedures, annual changes in these apparently similar output measures sometimes differ from one another.

A summary of the differences follows:

- The Federal Reserve Board’s IPI is a monthly output series that is benchmarked to annual production data. Its concept of manufacturing output is value added that includes purchased services. In the IPI, manufacturing production is valued in producers’ prices received by manufacturers.
- BEA’s GDP-by-industry accounts provide both gross output and value added measures for manufacturing. Gross output is based on sales plus inventory change. BEA’s value-added concept excludes purchased services. In these accounts, manufacturing production is valued in producers’ prices. The amounts received by wholesalers, retailers, and other services sector industries involved in the distribution of goods are included in the gross output and the value added of these industries. For wholesale trade and retail trade, the concept of gross output is not total sales but gross margin, which represents the difference between merchandise sales and the cost of goods purchased for resale. Gross output in the trade industries also includes sales and excise taxes collected at the wholesale and retail levels.
- GDP goods from the NIPAs is a classification of final expenditures by type of product that includes durable and nondurable goods in personal consumption expenditures, fixed investment, net exports, and change in private inventories.⁴ Final

3. For information about the most recent historical revision of the industrial production index, see Carol Corrado, “Industrial Production and Capacity Utilization: The 2002 Historical and Annual Revision,” *Federal Reserve Bulletin* 89 (April 2003): 151–176.

4. See NIPA table 1.2.5 for current-dollar estimates of GDP by major type of product.

expenditures for GDP goods are valued in purchasers' prices, which represent the final retail prices, including sales and excise taxes, paid by consumers.

These differences in concepts and valuations significantly affect the shares of GDP attributable to goods and services. In 1995, for example, current-dollar final expenditures for goods in the NIPAs accounted for 36.0 percent of GDP, and the current-dollar value added of all the private goods-producing industries except construction accounted for 18.2 percent of GDP. A major part of this difference arises from the treatment of goods-distributing industries in BEA's industry accounts. Including the value added of the wholesale trade, retail trade, and transportation and warehousing industries raises the share of combined "goods-producing-and-distributing" industries from 18.2 percent to 34.5 percent.

	Share of current-dollar GDP for 1995
Final expenditures for goods	36.0
Value added:	
Goods-producing industries.....	22.1
Less:	
Construction.....	3.9
Plus:	
Wholesale trade.....	6.2
Retail trade.....	7.0
Transportation and warehousing.....	3.1
Goods-producing-and-distributing industries	34.5

The differences in concepts and valuations also affect comparisons of real growth rates. For 1995–2000, real final expenditures for GDP goods increased 5.5 percent, and the manufacturing IPI increased 6.0 percent. Real value added for all goods-producing industries increased 4.7 percent and real value added for manufacturing increased 5.4 percent. Real value added for wholesale trade increased 7.2 percent, and for retail trade, it increased 6.5 percent; these increases partly reflect productivity growth in the trade sector. Because of the faster growth in real value added for wholesale trade and retail trade, combined "goods-producing-and-distributing" industries grew at a rate closer to final expenditures for goods.

	Average annual rate of growth for 1995–2000
Real final expenditures for goods	5.5
Manufacturing IPI	6.0
Real value added:	
Goods-producing industries.....	4.7
Manufacturing.....	5.4
Wholesale trade.....	7.2
Retail trade.....	6.5
Real gross output:	
Goods-producing industries.....	4.2
Manufacturing.....	4.3
Wholesale trade.....	5.5
Retail trade.....	6.0

It may be more appropriate to compare growth in final expenditures for goods with gross output from the GDP-by-industry accounts rather than with value

added, because final expenditures represent the portion of an industry's gross output that is consumed in final uses rather than in intermediate uses. This comparison is especially useful if the allocation of output between final and intermediate uses is not likely to change significantly over a short period. In 1995–2000, real gross output for goods-producing industries increased 4.2 percent, and real gross output for manufacturing increased 4.3 percent. For wholesale trade, real gross output increased 5.5 percent, and for retail trade, it increased 6.0 percent. Once again, including the output of the trade industries in an expanded concept of goods output results in real growth rates that are closer to the growth in real final expenditures for goods.

Future Work

BEA recognizes that the GDP-by-industry accounts are often used to conduct research and analysis for long periods in order to better understand important economic issues such as structural change, contributions to growth, and productivity. In order to meet this need for historical time series, BEA's revised SIC-based estimates of current-dollar value added by industry for 1947–97 and real value added by industry for 1977–97 are available.

The new NAICS-based estimates for 1987–97 are an important step toward meeting the need for historical data, but researchers and analysts have consistently expressed a strong interest in longer industry time series and estimates of employment by NAICS industry.⁵ BEA is investigating options for meeting both of these needs.

Appendix: Methodology for the Revised Estimates

The revised estimates of GDP-by-industry for 1987–97 presented in this article are based on the 1997 North American Industry Classification System (NAICS). The industry definitions are the same as those used for the integrated annual industry accounts for 1998–2003 that were released in June 2004, but the methodology used to prepare the estimates is different. A different methodology was required because NAICS source data for the years before 1997 are generally not available, and the methodology used for the integrated accounts could not be used to prepare estimates for earlier years. The revised estimates for 1987–97 were largely prepared using an extrapolation procedure that relied heavily on detailed source data and related estimates on the Standard Industrial Classification (SIC) basis.

The revised estimates incorporate the results of the

5. BEA's set of employment-related estimates—full-time and part-time employees, full-time equivalent employees, and persons engaged in production—is also available on the SIC basis for 1947–97.

2003 comprehensive revision of the NIPAs and the revised 1997 benchmark input-output (I-O) accounts that also incorporate the comprehensive NIPA revision. The revised benchmark I-O accounts were used as a starting point for the integrated annual estimates for 1998–2003.

The estimates presented in this article include current-dollar and real gross output, current-dollar and real intermediate inputs, current-dollar and real value added, and the three major components of current-dollar value added: Compensation of employees, “taxes on production and imports less subsidies,” and gross operating surplus. Like the integrated estimates, the revised GDP-by-industry estimates exclude the statistical discrepancy as an industry, and industry contributions to GDP price and quantity percent changes are now computed using the same “exact” contributions formula used for the NIPAs; using this formula reduces the amount of real GDP growth that is “not allocated by industry.”

Current-dollar estimates

The current-dollar estimates for each of the 60 NAICS-based private nonfarm industries were derived by extrapolating the revised 1997 NAICS benchmark levels for gross output, compensation of employees, “taxes on production and imports less subsidies,” and gross operating surplus back to 1987. The estimates for farms and for the four government industries were obtained from the revised SIC-based estimates because NAICS did not affect the definitions of these sectors. For each of the detailed private nonfarm industries, each of the three income components for each year was adjusted so that each income component, when summed over all private nonfarm industries, equals the corresponding NIPA income component total for that year. After this adjustment, current-dollar value added for each industry for each year was computed as the sum of each industry’s three major income components. These steps insure that current-dollar value added for “all industries” equals current-dollar GDP for each year. Current-dollar intermediate inputs was computed as the difference between current-dollar gross output and current-dollar value added.

The series used to extrapolate the 1997 NAICS-based benchmark levels were largely derived by converting to NAICS the revised SIC-based industry estimates that were also released in June. For each of the 60 private nonfarm SIC-based industries, annual “conversion matrices” were developed for each estimate that show the percentage of the revised SIC-based estimate that should be allocated to each of the NAICS-based industries. Using the converted SIC series as extrapolators allowed the revised estimates to capture

NIPA definitional revisions that were incorporated in the revised SIC estimates and to capture special features of the BEA output measures that are due to BEA definitions and concepts.

The initial shares from the conversion matrix were based on estimates for detailed private industries from the revised 1997 benchmark I-O accounts. Since most of these detailed industries can be directly assigned to a single two-digit SIC industry, the reliability of the 1997 conversion matrix is very high. The conversion matrix also included shares for amounts that should be allocated to the NAICS-based industries that include auxiliaries, using information from the benchmark I-O use table on the use of auxiliary services.⁶ However, in order to allow for changes over time in the NAICS composition of SIC industries, the 1997 benchmark values for each of the detailed private industries were extrapolated for each year back to 1987, using matching, detailed SIC-based series for shipments, sales, and receipts. For certain manufacturing industries, the shipments extrapolator series were adjusted on the basis of data from the Federal Reserve Board that were used for its conversion of the manufacturing industrial production index from the SIC to NAICS.

Real estimates

Real estimates (chain-type quantity indexes) of gross output, intermediate inputs, and value added were prepared for each of the 65 detailed industries and for related industry groups and aggregates, including private industries and “all industries.” Real value-added estimates were computed using the double-deflation method after first computing Fisher price indexes for industry gross output and for intermediate input commodities from the detailed SIC-based price index series that were matched to the benchmark concordance. These price indexes were generally available at the same level of detail as the shipments, sales, and receipts data used to extrapolate the benchmark conversion matrix. The unpublished NAICS-based chain-type quantity indexes for 1997 were extrapolated back to 1987 using the Fisher quantity relatives computed from the current-dollar values and price indexes.

The double-deflation procedure used for these estimates is a close approximation of the procedure used for the revised SIC-based estimates, and it is similar to

6. Auxiliaries are establishments that primarily provide support services to other establishments of the same enterprise. NAICS classifies auxiliaries into one or more services-producing industries on the basis of the service provided; in the SIC system, they were classified in the same industry as the establishments they primarily serve. Auxiliary output—which is measured as the sum of operating expenses—accounts for most of the output of the new industry management of companies and enterprises. Most of the remaining auxiliary output is in the warehousing and storage industry and the miscellaneous professional, scientific, and technical services industry.

the procedure used for the integrated estimates.⁷ However, the level of commodity detail for the deflation of intermediate inputs is less than that used in either of those other methodologies. The deflation of intermediate inputs for this methodology can be summarized in two steps.

- Use tables were prepared that show the commodity composition of intermediate inputs—based on about 130 commodities—for each detailed published NAICS industry. The use table for 1997 is based on the 1997 benchmark I-O accounts.⁸ Use tables were developed for 1992 and for 1987 by converting the published I-O benchmark use tables for those years from the SIC to NAICS at the summary level of detail (about 130 industries and commodities). Use tables for the other years were developed by linear interpolation between benchmark years.
- Intermediate input domestic commodity price indexes were compiled for about 130 commodities from the price index detail in the benchmark concordance. Commodity import shares were obtained

7. With the double-deflation method, real value added is computed as the difference between real gross output and real intermediate inputs. For more information, see the technical note on computing chain-type price and quantity indexes in the GDP-by-industry accounts in Brian C. Moyer, Mark A. Planting, Mahnaz Fahim-Nader, and Sherlene K.S. Lum, "Preview of the Comprehensive Revision of the Annual Industry Accounts," *SURVEY* 84 (March 2004): 50–51.

8. For a description of these accounts, including the use table, see Ann M. Lawson, Kurt S. Bersani, Mahnaz Fahim-Nader, and Jiemin Guo, "Benchmark Input-Output Accounts of the United States, 1997," *SURVEY* 82 (December 2002): 19–109.

from the use tables, and price indexes for imported commodities were obtained from detail underlying the revised SIC-based estimates. These data allowed for the separate deflation of domestically produced commodities and imported intermediate commodities.

Evaluating the results

The methodology was evaluated for reasonableness and consistency primarily by comparison with other related estimates. Comparisons were made with the revised SIC-based estimates at aggregate levels and for more detailed industry groups whose definitions were not significantly affected by the conversion to NAICS. The average growth rates of real value added and the shares of current-dollar GDP were about the same before and after the conversion to NAICS (table F). Manufacturing's real growth rate was slightly larger under NAICS, but this difference is partly due to the transfer of publishing industries from nondurable-goods manufacturing to the information sector. Comparisons of BEA's output measures for manufacturing with similar measures published by the Federal Reserve Board and the Bureau of Labor Statistics show a closer correspondence than before the conversion to NAICS. As expected, the shares of GDP of goods-producing industries and of manufacturing are smaller under NAICS than under the SIC. The NAICS-based estimates also show the decline in goods-producing industries' share of GDP that was seen in the SIC-based estimates.

Table F. Comparison of NAICS and SIC Estimates

	Average annual rate of change for real value added			Share of current-dollar GDP					
	1987–97			1987			1997		
	NAICS	SIC		NAICS	SIC		NAICS	SIC	
		Revised	Previous		Revised	Previous		Revised	Previous
Gross domestic product	3.0	3.0	2.9	100.0	100.0	100.0	100.0	100.0	100.0
Private industries	3.3	3.3	3.2	86.1	86.1	86.1	87.3	87.3	87.2
Private goods-producing industries ¹	2.8	2.9	N/A	24.9	27.0	27.2	21.9	24.1	23.6
Manufacturing.....	3.4	3.2	2.9	17.1	18.6	18.7	15.4	16.9	16.6
Durable goods.....	4.4	4.6	4.2	10.2	10.8	10.9	9.1	9.8	9.5
Nondurable goods.....	1.9	1.4	1.2	6.9	7.8	7.8	6.3	7.1	7.1
Private services-producing industries ²	3.5	3.4	N/A	61.2	58.6	58.8	65.3	62.3	63.2
Government	1.0	1.0	1.0	13.9	13.9	13.9	12.7	12.7	12.8

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance; insurance, real estate, rental, and leasing; professional and business services; educational services; health

care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

Tables 1 through 12 follow.

Table 1. Value Added by Industry in Current Dollars, 1987-2000

[Billions of dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gross domestic product	4,739.5	5,103.8	5,484.4	5,803.1	5,995.9	6,337.7	6,657.4	7,072.2	7,397.6	7,816.9	8,304.3	8,747.0	9,268.4	9,817.0
Private industries	4,080.4	4,399.1	4,732.3	4,997.8	5,138.7	5,440.4	5,729.3	6,110.5	6,407.2	6,795.2	7,247.5	7,652.5	8,127.2	8,614.3
Agriculture, forestry, fishing, and hunting	79.8	80.2	92.8	96.7	89.2	99.6	93.1	105.6	93.1	113.8	110.7	102.4	93.8	98.0
Farms.....	61.6	61.3	73.6	76.6	69.9	78.7	70.6	81.6	68.5	90.7	88.1	78.9	68.8	71.5
Forestry, fishing, and related activities.....	18.2	18.9	19.2	20.1	19.3	20.8	22.5	23.9	24.5	23.1	22.6	23.5	25.0	26.5
Mining	71.5	71.4	76.0	84.9	76.0	71.3	72.1	73.6	74.1	87.5	92.6	74.8	85.4	121.3
Oil and gas extraction.....	41.7	40.4	44.3	51.8	43.3	39.9	40.4	39.3	39.6	51.6	52.9	35.2	47.2	81.0
Mining, except oil and gas.....	22.8	22.3	23.7	23.7	22.7	23.5	22.4	25.1	25.2	25.7	26.4	27.0	27.5	27.0
Support activities for mining.....	6.9	8.8	8.1	9.4	10.0	7.9	9.3	9.2	9.3	10.2	13.3	12.6	10.7	13.4
Utilities	123.0	122.8	135.9	142.9	152.5	157.4	165.3	174.6	181.5	183.3	179.6	180.8	185.4	189.3
Construction	218.2	232.7	244.8	248.5	230.2	232.5	248.3	274.4	287.0	311.7	337.6	374.4	406.6	435.9
Manufacturing	811.3	876.9	927.3	947.4	957.5	996.7	1,039.9	1,118.8	1,177.3	1,209.4	1,279.8	1,343.8	1,373.1	1,426.2
Durable goods.....	483.8	519.0	543.2	542.7	540.9	562.8	593.1	647.7	677.2	706.5	755.5	806.9	820.4	865.3
Wood products.....	20.2	20.3	21.1	19.9	18.9	20.0	22.5	25.6	26.8	26.4	27.9	29.4	31.9	31.4
Nonmetallic mineral products.....	23.1	23.1	24.7	24.9	23.4	26.4	27.1	32.0	34.2	34.8	40.7	42.3	45.1	45.7
Primary metals.....	31.0	38.5	41.5	38.4	35.7	35.7	37.7	42.3	47.9	46.3	48.3	49.4	47.3	48.2
Fabricated metal products.....	65.6	70.8	74.2	75.9	73.3	75.8	79.4	90.3	96.5	103.2	108.1	112.7	116.4	121.7
Machinery.....	63.5	72.9	79.8	80.7	74.5	75.9	78.0	83.1	89.8	91.2	98.1	111.5	105.6	109.3
Computer and electronic products.....	83.2	91.7	94.4	97.5	101.0	103.9	107.0	119.2	131.2	139.3	154.4	165.7	162.8	185.6
Electrical equipment, appliances, and components.....	32.8	35.6	38.7	37.8	36.7	37.6	40.1	43.2	42.6	43.0	45.6	44.7	48.2	50.6
Motor vehicles, bodies and trailers, and parts.....	63.5	66.1	63.2	54.5	56.7	72.0	84.6	103.1	98.7	99.4	103.1	108.8	115.4	118.1
Other transportation equipment.....	59.6	54.2	56.7	61.4	68.1	59.7	57.5	47.1	45.5	52.3	54.4	63.3	64.3	64.4
Furniture and related products.....	18.1	18.3	19.3	18.7	18.1	19.7	21.3	22.5	23.4	24.7	27.1	29.1	31.0	32.7
Miscellaneous manufacturing.....	23.1	27.5	29.6	33.0	34.6	36.2	37.9	39.3	40.6	45.9	47.7	49.9	52.5	57.5
Nondurable goods.....	327.5	357.9	384.1	404.7	416.6	433.8	446.8	471.1	500.0	502.9	524.3	537.0	552.7	560.9
Food and beverage and tobacco products.....	87.8	92.0	98.1	109.2	116.3	120.0	119.9	121.3	134.4	130.9	135.4	137.5	153.6	154.8
Textile and textile product mills.....	20.5	21.0	21.9	22.6	23.1	25.9	26.1	26.5	25.6	26.1	27.0	27.1	26.4	26.5
Apparel and leather and allied products.....	24.1	25.2	26.5	26.8	27.9	29.4	29.6	30.3	29.3	27.9	27.2	26.0	24.7	25.1
Paper products.....	35.5	40.7	42.8	42.2	41.7	42.4	43.9	47.2	57.0	53.6	51.5	52.2	54.2	55.6
Printing and related support activities.....	30.7	32.6	35.4	36.5	36.6	39.4	39.2	41.6	41.5	44.5	44.7	46.5	48.2	49.0
Petroleum and coal products.....	19.0	25.9	25.3	26.7	24.3	23.0	25.8	23.6	21.4	22.4	27.1	30.6	22.4	26.2
Chemical products.....	77.0	86.6	96.0	103.1	106.5	111.2	115.5	129.9	138.5	140.7	150.8	153.4	157.1	157.1
Plastics and rubber products.....	32.9	33.9	38.0	37.6	40.2	42.5	46.9	50.8	52.3	56.8	60.7	63.6	66.1	66.7
Wholesale trade.....	285.3	318.1	337.4	347.7	360.5	378.9	401.2	442.7	457.0	489.1	521.2	542.9	577.7	591.7
Retail trade.....	349.9	366.0	389.0	398.8	405.5	430.0	458.0	493.3	514.9	543.8	574.2	598.6	635.5	662.4
Transportation and warehousing.....	151.1	161.1	164.1	169.4	178.2	186.6	201.0	218.0	226.3	235.2	253.7	273.7	287.4	301.6
Air transportation.....	23.9	26.2	26.2	26.8	27.3	29.4	34.0	37.9	41.0	44.4	49.5	52.5	54.9	57.7
Rail transportation.....	23.0	24.1	20.5	20.6	23.0	22.5	23.1	24.7	25.0	24.5	23.0	24.5	24.7	25.5
Water transportation.....	3.8	4.1	4.3	4.6	5.3	5.1	5.4	5.7	5.8	6.1	6.5	6.5	6.4	7.2
Truck transportation.....	43.9	47.9	51.1	52.6	54.1	57.1	61.7	68.3	70.1	72.0	78.4	86.2	89.8	92.8
Transit and ground passenger transportation.....	7.4	7.3	7.7	8.4	8.4	9.1	9.5	9.5	10.3	11.1	13.0	13.8	14.4	14.5
Pipeline transportation.....	7.6	6.9	7.2	7.2	7.3	7.6	8.1	8.2	8.1	8.7	8.8	9.2	9.2	8.7
Other transportation and support activities.....	31.8	33.8	35.8	37.3	40.6	42.5	44.9	48.1	49.2	50.9	55.0	59.9	64.8	70.2
Warehousing and storage.....	9.8	10.7	11.3	11.8	12.2	13.3	14.3	15.6	16.8	17.5	19.5	21.1	23.2	25.0
Information.....	185.0	194.0	210.4	225.1	235.2	250.9	272.6	294.0	307.6	335.7	347.8	381.6	439.3	458.3
Publishing industries (includes software).....	41.8	44.2	48.8	50.2	52.8	56.8	60.1	66.9	67.9	78.9	87.5	96.7	118.7	116.7
Motion picture and sound recording industries.....	12.8	13.4	16.6	16.9	17.2	17.8	20.2	19.7	22.0	23.8	24.3	25.3	30.1	32.5
Broadcasting and telecommunications.....	119.4	123.7	130.7	142.0	148.8	158.3	173.1	185.7	193.6	206.7	208.9	229.8	253.8	271.3
Information and data processing services.....	10.9	12.6	14.3	16.0	16.4	18.0	19.3	21.7	24.0	26.3	27.2	29.8	36.7	37.7
Finance, insurance, real estate, rental, and leasing.....	840.3	910.1	975.4	1,042.1	1,103.6	1,177.4	1,241.5	1,297.8	1,383.0	1,470.7	1,593.3	1,684.6	1,798.4	1,931.0
Finance and insurance.....	274.4	295.8	316.2	340.1	376.5	407.5	437.8	450.1	490.9	530.7	595.5	641.1	679.8	740.5
Federal Reserve banks, credit intermediation, and related activities.....	147.8	150.5	157.9	170.6	189.1	204.0	209.2	203.3	217.6	230.8	259.5	277.7	308.0	319.0
Securities, commodity contracts, and investments.....	41.4	42.9	44.3	43.3	48.5	55.3	69.9	74.1	82.6	102.2	119.5	134.1	139.9	167.7
Insurance carriers and related activities.....	78.9	96.7	108.4	119.8	132.4	140.8	150.3	164.8	182.0	188.9	206.6	217.4	216.9	238.3
Funds, trusts, and other financial vehicles.....	6.4	5.7	5.6	6.4	6.6	7.4	8.4	7.9	8.7	8.7	10.0	11.9	15.0	15.5
Real estate and rental and leasing.....	565.9	614.3	659.2	702.0	727.1	769.8	803.7	847.7	892.1	940.0	997.8	1,043.5	1,118.6	1,190.5
Real estate.....	521.1	562.5	603.0	640.7	667.1	706.5	736.0	775.4	816.0	856.0	907.9	950.3	1,017.9	1,082.1
Rental and leasing services and lessors of intangible assets.....	44.8	51.8	56.2	61.3	60.0	63.3	67.7	72.2	76.1	84.0	89.9	93.2	100.6	108.3
Professional and business services.....	414.1	466.3	518.0	569.8	579.3	626.7	659.1	698.4	743.1	810.1	896.5	976.2	1,064.5	1,140.8
Professional, scientific, and technical services.....	238.6	273.0	305.9	338.3	341.8	369.9	386.8	405.1	428.0	467.5	518.1	565.3	613.9	675.1
Legal services.....	62.7	73.4	79.6	87.4	90.2	98.0	100.0	101.4	103.7	109.7	114.5	120.9	127.3	136.1
Computer systems design and related services.....	22.0	25.4	28.9	32.1	34.0	37.7	42.0	47.6	52.1	62.0	78.6	92.9	107.8	125.7
Miscellaneous professional, scientific, and technical services.....	153.9	174.1	197.4	218.8	217.6	234.2	244.8	256.1	272.2	295.9	325.0	351.6	378.8	413.3
Management of companies and enterprises.....	81.3	87.0	92.6	98.2	103.8	110.0	116.2	123.4	127.7	134.7	145.7	156.8	170.5	183.4
Administrative and waste management services.....	94.1	106.3	119.5	133.3	133.7	146.7	156.1	169.9	187.4	207.8	232.7	254.0	280.1	282.4
Administrative and support services.....	83.1	93.9	105.8	118.6	118.9	130.8	138.7	150.8	167.2	187.2	211.4	231.9	255.4	257.2
Waste management and remediation services.....	11.0	12.4	13.7	14.7	14.8	16.0	17.4	19.1	20.2	20.6	21.4	22.2	24.7	25.2
Educational services, health care, and social assistance.....	286.5	309.1	347.0	386.7	424.8	463.5	488.0	511.1	533.3	552.5	573.1	601.5	634.5	678.4
Educational services.....	32.7	34.7	37.6	40.0	44.1	47.4	50.1	53.2	56.0	58.8	62.2	67.6	72.8	79.2
Health care and social assistance.....	2													

Table 2. Value Added by Industry in Current Dollars as a Percentage of Gross Domestic Product, 1987–2000

[Percent]

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gross domestic product	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Private industries	86.1	86.2	86.3	86.1	85.7	85.8	86.1	86.4	86.6	86.9	87.3	87.5	87.7	87.7
Agriculture, forestry, fishing, and hunting	1.7	1.6	1.7	1.7	1.5	1.6	1.4	1.5	1.3	1.5	1.3	1.2	1.0	1.0
Farms	1.3	1.2	1.3	1.3	1.2	1.2	1.1	1.2	0.9	1.2	1.1	0.9	0.7	0.7
Forestry, fishing, and related activities	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Mining	1.5	1.4	1.4	1.5	1.3	1.1	1.1	1.0	1.0	1.1	1.1	0.9	0.9	1.2
Oil and gas extraction	0.9	0.8	0.8	0.9	0.7	0.6	0.6	0.6	0.5	0.7	0.6	0.4	0.5	0.8
Mining, except oil and gas	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Support activities for mining	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Utilities	2.6	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.2	2.1	2.0	1.9
Construction	4.6	4.6	4.5	4.3	3.8	3.7	3.7	3.9	3.9	4.0	4.1	4.3	4.4	4.4
Manufacturing	17.1	17.2	16.9	16.3	16.0	15.7	15.6	15.8	15.9	15.5	15.4	15.4	14.8	14.5
Durable goods	10.2	10.2	9.9	9.4	9.0	8.9	8.9	9.2	9.2	9.0	9.1	9.2	8.9	8.8
Wood products	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Nonmetallic mineral products	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5
Primary metals	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5
Fabricated metal products	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.2
Machinery	1.3	1.4	1.5	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.1	1.1
Computer and electronic products	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.8	1.8	1.9	1.9	1.8	1.9
Electrical equipment, appliances, and components	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Motor vehicles, bodies and trailers, and parts	1.3	1.3	1.2	0.9	0.9	1.1	1.3	1.5	1.3	1.3	1.2	1.2	1.2	1.2
Other transportation equipment	1.3	1.1	1.0	1.1	1.1	0.9	0.9	0.7	0.6	0.7	0.7	0.7	0.7	0.7
Furniture and related products	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Miscellaneous manufacturing	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6
Nondurable goods	6.9	7.0	7.0	7.0	6.9	6.8	6.7	6.7	6.8	6.4	6.3	6.1	6.0	5.7
Food and beverage and tobacco products	1.9	1.8	1.8	1.9	1.9	1.9	1.8	1.7	1.8	1.7	1.6	1.6	1.7	1.6
Textile and textile product mills	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Apparel and leather and allied products	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Paper products	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.6	0.6	0.6	0.6
Printing and related support activities	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
Petroleum and coal products	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.2	0.3
Chemical products	1.6	1.7	1.8	1.8	1.8	1.7	1.8	1.9	1.8	1.8	1.8	1.8	1.7	1.6
Plastics and rubber products	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Wholesale trade	6.0	6.2	6.2	6.0	6.0	6.0	6.0	6.3	6.2	6.3	6.3	6.2	6.2	6.0
Retail trade	7.4	7.2	7.1	6.9	6.8	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.9	6.7
Transportation and warehousing	3.2	3.2	3.0	2.9	3.0	2.9	3.0	3.1	3.1	3.0	3.1	3.1	3.1	3.1
Air transportation	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
Rail transportation	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Water transportation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Truck transportation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	1.0	1.0	0.9
Transit and ground passenger transportation	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
Pipeline transportation	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other transportation and support activities	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Warehousing and storage	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Information	3.9	3.8	3.8	3.9	3.9	4.0	4.1	4.2	4.2	4.3	4.2	4.4	4.7	4.7
Publishing industries (includes software)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.3	1.2
Motion picture and sound recording industries	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Broadcasting and telecommunications	2.5	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.6	2.5	2.6	2.7	2.8
Information and data processing services	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Finance, insurance, real estate, rental, and leasing	17.7	17.8	17.8	18.0	18.4	18.6	18.6	18.4	18.7	18.8	19.2	19.3	19.4	19.7
Finance and insurance	5.8	5.8	5.8	5.9	6.3	6.4	6.6	6.4	6.6	6.8	7.2	7.3	7.3	7.5
Federal Reserve banks, credit intermediation, and related activities	3.1	2.9	2.9	2.9	3.2	3.2	3.1	2.9	2.9	3.0	3.1	3.2	3.3	3.2
Securities, commodity contracts, and investments	0.9	0.8	0.8	0.7	0.8	0.9	1.0	1.0	1.1	1.3	1.4	1.5	1.5	1.7
Insurance carriers and related activities	1.7	1.9	2.0	2.1	2.2	2.2	2.3	2.3	2.5	2.4	2.5	2.5	2.3	2.4
Funds, trusts, and other financial vehicles	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Real estate and rental and leasing	11.9	12.0	12.0	12.1	12.1	12.1	12.1	12.0	12.1	12.0	12.0	11.9	12.1	12.1
Real estate	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.0	11.0	11.0	10.9	10.9	11.0	11.0
Rental and leasing services and lessors of intangible assets	0.9	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
Professional and business services	8.7	9.1	9.4	9.8	9.7	9.9	9.9	9.9	10.0	10.4	10.8	11.2	11.5	11.6
Professional, scientific, and technical services	5.0	5.3	5.6	5.8	5.7	5.8	5.8	5.7	5.8	6.0	6.2	6.5	6.6	6.9
Legal services	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Computer systems design and related services	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.9	1.1	1.2	1.3
Miscellaneous professional, scientific, and technical services	3.2	3.4	3.6	3.8	3.6	3.7	3.7	3.6	3.7	3.8	3.9	4.0	4.1	4.2
Management of companies and enterprises	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9
Administrative and waste management services	2.0	2.1	2.2	2.3	2.2	2.3	2.3	2.4	2.5	2.7	2.8	2.9	3.0	2.9
Administrative and support services	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.1	2.3	2.4	2.5	2.7	2.8	2.6
Waste management and remediation services	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Educational services, health care, and social assistance	6.0	6.1	6.3	6.7	7.1	7.3	7.3	7.2	7.2	7.1	6.9	6.9	6.8	6.9
Educational services	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8
Health care and social assistance	5.4	5.4	5.6	6.0	6.3	6.6	6.6	6.5	6.5	6.3	6.2	6.1	6.1	6.1
Ambulatory health care services	2.8	2.9	3.0	3.2	3.4	3.5	3.5	3.5	3.4	3.3	3.2	3.2	3.1	3.1
Hospitals and nursing and residential care facilities	2.2	2.2	2.3	2.4	2.6	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4
Social assistance	0.3	0.3	0.4	0.4	0.4	0.4								

Table 3. Components of Value Added by Industry Group in Current Dollars, 1987–2000

[Billions of dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gross domestic product	4,739.5	5,103.8	5,484.4	5,803.1	5,995.9	6,337.7	6,657.4	7,072.2	7,397.6	7,816.9	8,304.3	8,747.0	9,268.4	9,817.0
Compensation of employees	2,751.6	2,968.1	3,146.5	3,340.5	3,448.0	3,638.4	3,804.7	4,001.2	4,197.4	4,394.7	4,666.1	5,023.9	5,362.3	5,787.3
Taxes on production and imports less subsidies	317.7	345.5	372.1	398.7	430.2	453.9	467.0	513.5	524.2	546.8	579.1	604.4	629.8	664.6
Gross operating surplus	1,670.2	1,790.2	1,965.7	2,063.8	2,117.7	2,245.4	2,385.7	2,557.5	2,676.0	2,875.4	3,059.2	3,118.6	3,276.3	3,365.1
Private industries	4,080.4	4,399.1	4,732.3	4,997.8	5,138.7	5,440.4	5,729.3	6,110.5	6,407.2	6,795.2	7,247.5	7,652.5	8,127.2	8,614.3
Compensation of employees	2,193.6	2,372.4	2,513.1	2,658.6	2,725.3	2,882.2	3,023.3	3,193.6	3,368.4	3,539.9	3,783.1	4,107.7	4,407.0	4,776.4
Taxes on production and imports less subsidies	324.4	353.1	380.6	407.9	440.5	465.0	479.3	526.5	539.3	561.9	592.0	615.5	641.0	675.0
Gross operating surplus	1,562.4	1,673.6	1,838.6	1,931.3	1,973.0	2,093.2	2,226.7	2,390.3	2,499.6	2,693.4	2,872.4	2,929.3	3,079.2	3,162.8
Agriculture, forestry, fishing, and hunting	79.8	80.2	92.8	96.7	89.2	99.6	93.1	105.6	93.1	113.8	110.7	102.4	93.8	98.0
Compensation of employees	17.8	20.1	20.9	23.5	23.1	23.5	25.3	26.1	27.4	28.2	29.4	31.2	33.0	34.6
Taxes on production and imports less subsidies	-9.8	-7.9	-5.3	-3.3	-2.4	-3.0	-6.8	-1.8	-1.1	-1.2	-1.2	-5.5	-12.9	-14.1
Gross operating surplus	71.8	68.1	77.1	76.5	68.5	79.0	74.6	81.2	66.8	86.7	82.5	76.7	73.8	77.5
Mining	71.5	71.4	76.0	84.9	76.0	71.3	72.1	73.6	74.1	87.5	92.6	74.8	85.4	121.3
Compensation of employees	29.4	29.7	29.8	32.0	32.2	31.0	30.9	30.9	30.9	31.7	34.0	34.6	33.4	36.0
Taxes on production and imports less subsidies	9.2	9.4	10.0	11.2	11.1	10.9	10.5	10.7	10.3	11.1	12.1	11.0	10.8	13.2
Gross operating surplus	32.9	32.3	36.3	41.6	32.7	29.4	30.7	32.9	32.9	44.7	46.5	29.2	41.2	72.2
Utilities	123.0	122.8	135.9	142.9	152.5	157.4	165.3	174.6	181.5	183.3	179.6	180.8	185.4	189.3
Compensation of employees	29.3	29.7	31.0	32.9	35.0	36.6	38.1	38.4	39.3	38.7	39.3	41.2	42.6	46.3
Taxes on production and imports less subsidies	17.4	18.5	20.0	21.5	23.3	24.7	25.4	26.9	27.0	28.2	28.4	28.9	29.8	30.8
Gross operating surplus	76.3	74.6	84.9	88.4	94.2	96.1	101.8	109.2	115.2	116.3	111.9	110.8	112.9	112.1
Construction	218.2	232.7	244.8	248.5	230.2	232.5	248.3	274.4	287.0	311.7	337.6	374.4	406.6	435.9
Compensation of employees	145.9	158.2	165.7	171.2	160.4	159.3	166.6	183.0	194.5	210.8	229.6	254.3	282.8	309.2
Taxes on production and imports less subsidies	2.1	2.3	2.5	2.6	2.6	2.8	3.0	3.4	3.5	3.7	3.9	4.4	4.8	5.0
Gross operating surplus	70.2	72.2	76.6	74.7	67.1	70.4	78.7	88.1	89.0	97.2	104.0	115.7	119.0	121.7
Manufacturing	811.3	876.9	927.3	947.4	957.5	996.7	1,039.9	1,118.8	1,177.3	1,209.4	1,279.8	1,343.9	1,373.1	1,426.2
Compensation of employees	556.3	592.4	613.4	624.2	631.2	657.4	678.8	717.5	736.5	748.4	781.9	825.3	854.2	918.9
Taxes on production and imports less subsidies	23.5	24.7	26.1	28.0	32.5	34.1	34.3	35.5	35.8	36.0	36.5	37.2	38.0	40.6
Gross operating surplus	231.5	259.8	287.9	295.2	293.8	305.1	326.9	365.8	405.0	425.0	461.4	481.3	481.0	466.8
Durable goods	483.8	519.0	543.2	542.7	540.9	562.8	593.1	647.7	677.2	706.5	755.5	806.9	820.4	865.3
Compensation of employees	364.9	389.6	401.2	404.0	404.3	419.7	433.6	464.1	477.4	487.0	513.0	546.2	570.4	621.2
Taxes on production and imports less subsidies	7.1	7.6	8.2	8.9	9.5	10.1	10.1	10.8	10.9	11.5	12.0	12.6	13.0	13.5
Gross operating surplus	111.9	121.8	133.8	129.9	127.1	133.0	149.5	172.8	188.9	208.1	230.5	248.0	237.1	230.5
Non-durable goods	327.5	357.9	384.1	404.7	416.6	433.8	446.8	471.1	500.0	502.9	524.3	537.0	552.7	560.9
Compensation of employees	191.5	202.8	212.2	220.2	226.9	237.7	245.2	253.4	259.1	261.4	268.9	279.1	283.8	297.6
Taxes on production and imports less subsidies	16.4	17.2	17.8	19.2	23.0	24.1	24.2	24.7	24.9	24.6	24.5	24.6	25.0	27.1
Gross operating surplus	119.7	138.0	154.1	165.3	166.7	172.1	177.4	193.0	216.1	217.0	230.9	233.3	243.9	236.2
Wholesale trade	285.3	318.1	337.4	347.7	360.5	378.9	401.2	442.7	457.0	489.1	521.2	542.9	577.7	591.7
Compensation of employees	156.1	171.6	184.4	192.5	196.2	206.6	211.6	224.7	237.9	249.7	268.8	291.0	313.9	328.6
Taxes on production and imports less subsidies	67.1	75.2	78.9	82.7	91.1	94.7	101.1	115.1	114.2	117.8	122.0	126.8	131.3	135.4
Gross operating surplus	62.1	71.3	74.1	72.5	73.2	77.6	88.5	103.0	104.9	121.6	130.5	125.1	132.5	127.7
Retail trade	349.9	366.0	389.0	398.8	405.5	430.0	458.0	493.3	514.9	543.8	574.2	598.6	635.5	662.4
Compensation of employees	205.0	216.1	226.6	233.8	237.9	251.2	260.4	278.0	294.1	305.1	318.9	342.3	368.2	396.6
Taxes on production and imports less subsidies	67.5	70.2	74.5	78.1	80.7	87.0	92.1	100.6	106.7	112.1	117.4	124.3	132.8	140.3
Gross operating surplus	77.4	79.8	87.9	86.8	86.8	91.7	105.5	114.7	114.1	126.5	137.9	132.1	134.4	125.4
Transportation and warehousing	151.1	161.1	164.1	169.4	178.2	186.6	201.0	218.0	226.3	253.7	273.7	287.4	301.6	301.6
Compensation of employees	100.0	104.8	109.4	114.7	118.7	125.1	130.4	138.8	145.2	151.6	159.8	174.9	186.1	199.3
Taxes on production and imports less subsidies	5.8	6.5	6.8	7.4	8.7	9.1	9.2	10.9	10.5	8.6	11.6	14.2	14.9	16.0
Gross operating surplus	45.3	49.7	47.9	47.3	50.7	52.4	61.4	68.2	70.7	75.0	82.3	84.7	86.4	86.3
Information	185.0	194.0	210.4	225.1	235.2	250.9	272.6	294.0	307.6	335.7	347.8	381.6	439.3	458.3
Compensation of employees	85.9	91.3	95.2	102.6	105.8	110.0	118.1	129.3	140.0	150.5	165.3	185.6	217.5	248.0
Taxes on production and imports less subsidies	16.1	17.7	18.5	19.8	21.0	22.3	23.5	24.8	26.0	27.9	30.2	31.6	34.2	36.3
Gross operating surplus	82.9	85.0	96.7	102.6	108.3	118.6	131.0	139.8	141.5	157.3	152.3	164.3	187.6	173.9
Finance, insurance, real estate, rental, and leasing	840.3	910.1	975.4	1,042.1	1,103.6	1,177.4	1,241.5	1,297.8	1,383.0	1,470.7	1,593.3	1,684.6	1,798.4	1,931.0
Compensation of employees	194.3	210.3	217.5	230.4	239.2	259.0	283.5	293.4	308.8	333.8	364.4	410.7	441.4	486.7
Taxes on production and imports less subsidies	92.3	99.4	108.2	115.3	124.6	130.9	132.3	141.5	144.7	151.9	159.9	166.6	175.5	184.5
Gross operating surplus	553.7	600.4	649.6	696.5	739.7	787.5	825.8	862.9	929.5	985.0	1,069.1	1,107.3	1,181.5	1,259.8
Professional and business services	414.1	466.3	518.0	569.8	579.3	626.7	659.1	698.4	743.1	810.1	896.5	976.2	1,064.5	1,140.8
Compensation of employees	282.7	317.9	349.1	383.0	393.7	425.7	451.7	477.4	518.6	563.9	626.0	699.8	771.1	846.0
Taxes on production and imports less subsidies	7.8	8.9	9.9	11.0	11.9	12.8	13.4	14.5	15.0	16.0	17.5	18.8	20.3	21.9
Gross operating surplus	123.5	139.5	159.0	175.8	173.7	188.1	193.9	206.5	209.9	230.1	253.0	257.6	273.1	273.0
Educational services, health care, and social assistance	286.5	309.1	347.0	386.7	424.8	463.5	488.0	511.1	533.3	552.5	573.1	601.5	634.5	678.4
Compensation of employees	220.9	242.0	267.6	299.0	327.9	361.3	379.6	397.5	422.2	439.8	460.1	487.1	513.0	550.8
Taxes on production and imports less subsidies	2.5	2.9	3.3	3.6	4.0	4.8	6.0	6.2	6.4	6.7	7.1	7.6	8.0	8.4
Gross operating surplus	63.0	64.1	76.1	84.1	92.9	97.4	102.4	107.4	104.7	106.0	105.9	106.8	113.5	119.2
Arts, entertainment, recreation, accommodation, and food services	152.1	165.9	180.2	195.2	202.2	216.2	225.5	235.0	248.3	264.4	289.8	306.0	327.8	350.1
Compensation of employees	97.6	108.3	115.9	125.7	129.6	136.1	142.4	147.8	156.2	163.7	175.5	188.2	201.2	218.3
Taxes on production and imports less subsidies	16.5	18.4	19.8	21.7	22.6	24.3	25.3	27.1	28.6	30.5	33.2	35.7	38.7	40.9
Gross operating surplus	38.0	39.2	44.4	47.8	49.9	55.8	57.8	60.1	63.5	70.2	81.1	82.1	87.9	90.9
Other services, except government	112.3	124.4	133.9	142.6	144.2	153.0	163.7	173.2	180.9	188.1	197.4	211.1	217.8	229.1
Compensation of employees	72.4	79.9	86.4	93.0	94.1	99.3	105.8	110.6	117.3	123.9	130.2	141.5	148.5	

Table 5. Percent Changes in Chain-Type Quantity Indexes for Value Added by Industry, 1988–2000

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gross domestic product	4.1	3.5	1.9	-0.2	3.3	2.7	4.0	2.5	3.7	4.5	4.2	4.5	3.7
Private industries	4.6	3.6	1.7	-0.2	3.7	2.7	4.7	2.5	4.3	5.0	4.9	4.9	4.0
Agriculture, forestry, fishing, and hunting	-9.5	9.9	5.0	1.0	10.2	-12.4	16.2	-13.6	9.5	10.3	-2.3	3.3	12.2
Farms.....	-10.1	13.4	6.2	1.5	14.9	-11.9	20.2	-18.5	13.1	14.7	-4.3	2.1	13.7
Forestry, fishing, and related activities.....	-7.6	-1.3	0.8	-1.0	-5.5	-14.1	4.1	3.4	-1.7	-5.1	5.4	7.2	8.0
Mining	9.1	-2.9	-0.9	1.5	-2.0	1.4	8.6	0.3	-6.5	3.7	-0.8	2.6	-4.1
Oil and gas extraction.....	15.0	-5.5	-5.5	2.0	-5.3	-2.4	10.8	3.2	-16.1	2.9	1.1	1.0	-11.5
Mining, except oil and gas.....	-1.4	5.9	4.4	2.0	7.4	4.6	9.3	-1.2	8.9	5.6	10.3	9.0	1.1
Support activities for mining.....	11.3	-12.3	11.2	-1.5	-9.3	11.6	-2.2	-7.1	1.6	2.7	-24.4	-6.1	21.4
Utilities	-2.4	11.9	6.9	1.0	0.1	0.5	4.3	4.8	1.7	-4.4	-0.7	4.6	5.6
Construction	3.6	2.6	-1.3	-8.6	1.1	2.5	5.6	-0.3	5.1	2.8	4.1	2.4	0.6
Manufacturing	5.7	1.3	-1.1	-1.4	3.3	4.2	7.7	4.5	3.7	6.1	6.7	4.3	6.3
Durable goods.....	8.2	1.6	-1.4	-2.8	2.4	4.6	9.1	8.4	6.0	9.0	12.0	6.2	11.6
Wood products.....	1.9	-0.2	-1.4	-7.8	-9.1	-10.2	6.7	10.5	-1.9	-1.8	2.3	1.7	3.2
Nonmetallic mineral products.....	2.6	6.7	0.9	-8.9	13.1	-0.1	11.6	2.1	-0.7	14.7	0.9	2.2	1.4
Primary metals.....	4.6	2.6	-1.9	1.7	3.6	7.2	3.1	-3.1	4.3	3.3	1.5	4.9	0.1
Fabricated metal products.....	6.8	-1.7	-2.9	-7.7	2.2	3.9	14.3	5.0	2.4	2.6	0.8	0.4	5.9
Machinery.....	14.9	4.2	-3.9	-12.4	-1.8	0.3	5.7	7.8	-4.6	3.4	10.9	-7.8	4.1
Computer and electronic products.....	18.1	6.6	8.4	6.7	10.3	13.7	23.1	39.7	32.3	32.2	45.1	30.3	48.0
Electrical equipment, appliances, and components.....	5.8	1.4	-4.7	-4.6	1.7	5.9	7.7	-1.5	-4.0	4.5	-4.2	7.7	5.3
Motor vehicles, bodies and trailers, and parts.....	10.4	-6.2	-14.7	-4.2	17.6	11.6	18.0	-1.6	-3.9	4.3	6.1	2.5	3.1
Other transportation equipment.....	-6.6	1.0	2.5	4.9	-17.3	-6.4	-19.9	-6.0	9.3	1.0	12.7	-1.3	-4.4
Furniture and related products.....	-3.8	1.2	-6.7	-6.7	7.6	1.7	1.5	1.4	0.0	7.5	3.3	4.2	3.9
Miscellaneous manufacturing.....	19.9	3.8	6.7	-0.1	0.4	1.5	2.9	5.4	8.2	2.1	2.0	3.3	10.5
Nondurable goods.....	2.2	0.8	-0.8	0.5	4.5	3.7	5.8	-0.6	0.7	2.0	-0.7	1.5	-1.3
Food and beverage and tobacco products.....	2.2	-0.9	1.1	0.0	2.4	0.2	6.9	13.7	-7.0	-3.6	-2.2	1.3	-0.2
Textile and textile product mills.....	5.4	3.7	-1.9	0.4	10.2	3.3	5.0	-0.5	-3.2	1.5	-2.6	-2.7	3.5
Apparel and leather and allied products.....	2.6	2.3	-1.7	1.6	3.2	-1.3	1.7	-2.0	-6.8	-4.6	-5.8	-7.5	2.7
Paper products.....	1.0	-3.0	0.9	3.8	6.2	10.0	4.4	-18.7	6.7	5.5	-6.1	1.7	-8.9
Printing and related support activities.....	5.6	4.4	0.1	-3.2	5.2	-5.0	5.0	-1.5	-1.0	-1.9	1.0	1.6	1.1
Petroleum and coal products.....	16.9	-15.7	-37.2	5.8	11.9	35.3	-5.8	-15.3	29.8	12.4	20.0	-8.2	-21.6
Chemical products.....	-2.3	2.9	8.6	-2.1	2.4	1.3	8.3	-2.5	2.5	4.8	-1.5	4.9	0.0
Plastics and rubber products.....	0.5	12.0	-1.7	4.9	7.2	10.4	8.2	-0.9	7.5	8.0	2.8	3.6	3.2
Wholesale trade	6.4	3.8	-2.2	3.6	9.5	3.2	6.3	-0.8	9.1	10.9	11.4	5.2	-0.4
Retail trade	8.5	4.1	1.6	-0.5	5.8	3.8	6.8	4.5	8.8	8.4	5.1	5.8	4.5
Transportation and warehousing	4.1	2.6	4.7	4.5	5.7	4.7	8.1	3.4	5.1	4.5	3.5	4.2	4.9
Air transportation.....	-2.1	6.7	15.6	-6.7	14.7	5.7	16.8	8.6	18.3	5.3	2.5	8.6	9.1
Rail transportation.....	5.7	-11.2	4.9	15.8	-0.6	2.0	6.2	2.9	-0.4	-6.5	3.5	1.6	2.9
Water transportation.....	4.9	14.2	20.4	10.2	6.7	6.7	8.9	-0.5	10.2	9.1	-3.6	-9.1	13.4
Truck transportation.....	10.4	3.7	-0.4	6.7	6.7	6.2	9.3	2.2	3.7	4.7	3.7	1.1	1.0
Transit and ground passenger transportation.....	-13.2	12.1	9.7	-14.3	0.6	6.6	4.2	4.8	0.3	15.6	2.7	3.2	-1.9
Pipeline transportation.....	-11.0	16.0	16.3	-1.7	-1.0	-5.8	-7.4	15.3	0.0	-7.6	1.4	11.3	12.7
Other transportation and support activities.....	5.2	2.1	1.1	8.0	2.9	4.2	4.5	-1.3	1.1	5.7	4.9	5.7	6.1
Warehousing and storage.....	10.6	1.5	0.0	6.5	9.8	6.3	8.7	6.6	4.3	10.8	5.7	6.7	6.5
Information	4.1	7.3	4.4	1.9	5.7	6.7	6.1	4.3	6.9	2.5	10.3	16.1	4.7
Publishing industries (includes software).....	2.5	9.5	0.1	-1.7	8.9	3.6	11.9	2.9	12.6	12.8	11.9	20.2	-3.7
Motion picture and sound recording industries.....	0.0	14.2	-4.7	-4.7	1.9	11.7	-6.0	7.8	0.9	-2.7	1.7	9.9	0.8
Broadcasting and telecommunications.....	4.5	5.6	7.2	4.3	5.9	7.7	5.1	4.6	7.0	0.1	11.5	14.3	9.3
Information and data processing services.....	10.9	9.1	5.1	-0.7	-1.4	3.4	10.2	2.4	-3.6	-3.6	3.9	21.6	4.2
Finance, insurance, real estate, rental, and leasing	4.1	2.5	2.2	1.6	2.5	2.8	2.0	2.8	2.7	4.7	3.9	5.3	5.3
Finance and insurance	3.6	1.5	2.9	3.4	-0.2	4.5	0.2	3.4	2.8	7.0	6.9	6.9	9.2
Federal Reserve banks, credit intermediation, and related activities.....	-1.6	3.5	4.7	0.6	-1.4	1.8	-6.9	0.5	-1.0	2.9	1.1	7.4	-2.9
Securities, commodity contracts, and investments.....	5.5	1.0	-2.6	11.2	6.1	27.2	15.6	11.7	25.3	23.7	30.7	23.3	47.6
Insurance carriers and related activities.....	13.4	-0.9	2.0	4.9	-1.1	-0.5	3.3	3.1	-2.5	3.3	3.0	-1.7	6.3
Funds, trusts, and other financial vehicles.....	-10.6	-5.5	12.0	0.8	7.0	12.5	-2.4	7.9	0.4	15.8	-21.9	-20.6	-24.1
Real estate and rental and leasing	4.4	3.0	1.8	0.8	3.9	1.8	3.1	2.5	2.6	3.4	2.1	4.4	2.9
Real estate.....	3.6	2.8	1.4	1.2	3.7	1.6	2.8	2.4	1.8	3.1	1.6	4.1	2.9
Rental and leasing services and lessors of intangible assets.....	13.7	4.2	6.4	-4.2	5.8	4.4	5.8	4.3	11.3	6.2	8.0	7.1	2.6
Professional and business services	7.3	6.8	4.8	-3.2	3.2	1.7	3.0	2.6	6.0	6.6	5.2	5.4	3.2
Professional, scientific, and technical services	8.7	7.2	4.9	-3.8	3.5	1.2	1.7	1.3	5.5	6.2	8.0	6.5	8.2
Legal services.....	12.4	2.0	1.5	-3.0	3.1	-2.7	-2.1	-0.8	1.8	-0.1	1.1	2.3	2.7
Computer systems design and related services.....	11.1	12.1	7.9	1.9	9.4	8.5	10.9	4.4	14.3	20.7	20.2	12.7	11.8
Miscellaneous professional, scientific, and technical services.....	6.8	8.7	5.8	-4.9	2.7	1.7	1.8	1.5	5.3	5.5	7.5	6.3	9.0
Management of companies and enterprises	3.5	3.4	3.0	-0.5	0.1	0.2	2.3	-0.7	4.3	5.7	-2.6	0.8	-1.2
Administrative and waste management services	7.0	8.5	5.8	-3.7	4.8	4.0	6.7	8.2	8.4	7.9	4.1	5.7	-4.9
Administrative and support services.....	7.2	9.0	6.3	-3.8	5.0	4.0	6.9	8.7	9.3	8.7	4.4	5.2	-5.5
Waste management and remediation services.....	5.6	5.2	2.0	-3.0	3.1	3.9	5.1	3.6	0.9	0.2	1.1	10.4	2.1
Educational services, health care, and social assistance	0.4	4.3	3.6	2.6	2.7	0.5	0.2	1.2	0.7	0.7	0.8	1.8	2.8
Educational services	-0.1	2.2	0.3	4.3	3.2	2.8	2.2	2.7	0.5	1.9	3.4	2.0	2.7
Health care and social assistance	0.4	4.5	4.0	2.4	2.7	0.3	0.0	1.0	0.7	0.6	0.5	1.8	2.8
Ambulatory health care services.....	1.4	5.2	4.9	2.7	3.1	-0.9	0.2	0.5	1.2	-0.4	0.4	2.0	4.2
Hospitals and nursing and residential care facilities.....	-1.0	2.8	3.3	1.7	1.7	-0.1	-0.9	1.2	0.3	0.1	0.2	0.7	0.4
Social assistance.....	1.4	10.2	1.0	3.8	5.7	12.7	3.8	3.1	-0.1	9.9	2.9	5.4	5.5
Arts, entertainment, recreation, accommodation, and food services	4.0	3.3	3.0	-2.4	4.1	2.0	2.3	3.6	3.9	4.0	3.5	3.6	3.3
Arts, entertainment, and recreation	3.5	10.1	10.4	0.2	11.5	-1.1	-0.5	6.6	2.7	7.6	0.6	3.8	0.9
Performing arts, spectator sports, museums, and related activities.....	0.5	7.5	12.4	0.4	9.1	3.9	-1.2	5.9	2.8	5.2	2.0	1.9	-0.4
Amusements, gambling, and recreation industries.....	5.9	12.1	8.9	0.0	13.4	-4.8	0.1	7.2	2.6	9.6	-0.5	5.3	-2.0
Accommodation and food services	4.2	1.6	0.9	-3.2	1.8	3.0	3.2	2.7	4.3	2.9	4.5	3.6	4.1
Accommodation.....	-2.4	2.8	2.0	-1.7	5.2	3.3	4.4	6.6	7.0	1.4	-0.8	3.9	4.2
Food services and drinking places.....	7.2	1.0	0.4	-3.9	0.3	2.9	2.7	0.8	2.9	3.6	7.4	3.4	4.1
Other services, except government	5.7	3.5	2.4	-3.3	1.4	2.9	3.6	1.1	-0.6	0.2	2.6	-1.6	-0.2
Government	2.4	2.4	2.5	0.5	0.5	-0.1	0.4	-0.2	0.5	1.2	1.1	1.1	2.0
Federal	0.8	1.5	1.9	0.0	-0.6	-2.3	-1.7	-4.3	-1.9	-0.5	-0.6	-0.7	1.5
General government.....	1.2	1.2	1.8	0.6	-2.1	-1.9	-3.3	-3.8	-2.7	-1.9	-1.1	-0.8	0.9
Government enterprises.....	-2.0	3.0	2.6	-3.6	8.1	-4.1	7.6	-7.3	2.5	6.6	2.3	-0.1	4.9
State and local	3.4	3.1	2.8	0.8	1.2								

Table 6. Percent Changes in Chain-Type Price Indexes for Value Added by Industry, 1988–2000

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gross domestic product	3.4	3.8	3.9	3.5	2.3	2.3	2.1	2.0	1.9	1.7	1.1	1.4	2.2
Private industries	3.0	3.8	3.8	3.0	2.1	2.6	1.9	2.3	1.6	1.5	0.6	1.2	1.9
Agriculture, forestry, fishing, and hunting	11.1	5.2	-0.8	-8.6	1.3	6.7	-2.4	2.1	11.6	-11.8	-5.4	-11.4	-6.8
Farms.....	10.8	5.8	-2.0	-10.1	-1.9	1.7	-3.7	3.0	16.9	-15.3	-6.4	-14.6	-8.6
Forestry, fishing, and related activities.....	12.2	3.0	3.7	-2.9	14.0	25.8	2.1	-0.8	-4.1	3.0	-1.4	-0.7	-1.9
Mining	-8.3	9.6	12.7	-11.8	-4.3	-0.3	-5.9	0.3	26.3	2.1	-18.7	11.3	48.2
Oil and gas extraction.....	-15.8	16.0	23.8	-18.0	-2.7	3.7	-12.1	-2.4	55.3	-0.4	-34.3	32.9	93.9
Mining, except oil and gas.....	-0.9	0.3	-4.1	-6.1	-3.6	-8.9	2.6	1.5	-6.2	-2.7	-7.2	-6.7	-2.9
Support activities for mining.....	13.5	5.3	4.1	8.3	-13.2	5.5	1.5	8.7	8.1	27.4	24.8	-9.6	2.9
Utilities	2.3	-1.1	-1.7	5.7	3.1	4.5	1.2	-0.8	-0.7	2.6	1.4	-2.0	-3.4
Construction	2.9	2.5	2.8	1.3	-0.1	4.2	4.7	4.9	3.4	5.3	6.5	6.1	6.6
Manufacturing	2.2	4.4	3.3	2.5	0.8	0.1	-0.1	0.7	-1.0	-0.2	-1.6	-2.1	-2.3
Durable goods.....	-0.8	3.0	1.3	2.5	1.6	0.7	0.1	-3.5	-1.6	-1.9	-4.6	-4.3	-5.5
Wood products.....	-1.1	4.2	-4.6	3.2	16.4	25.0	6.8	-5.1	0.3	7.8	2.7	6.9	-4.6
Nonmetallic mineral products.....	-2.3	0.1	0.0	2.9	-0.1	2.8	5.5	4.9	2.4	2.0	3.1	4.3	0.0
Primary metals.....	18.6	5.2	-5.6	-8.8	-3.5	-1.5	8.9	16.9	-7.3	1.1	0.7	-8.7	1.8
Fabricated metal products.....	0.9	6.7	5.3	4.6	1.2	0.9	-0.5	1.8	4.4	2.1	3.4	2.8	-1.3
Machinery.....	-0.1	5.0	5.3	5.4	3.7	2.6	0.7	0.3	6.5	4.0	2.5	2.7	-0.6
Computer and electronic products.....	-6.6	-3.4	-4.8	-2.9	-6.7	-9.5	-9.5	-21.3	-19.7	-16.2	-26.0	-24.6	-23.0
Electrical equipment, appliances, and components.....	2.7	7.0	2.6	1.6	0.7	0.7	0.1	0.1	5.1	1.6	2.4	0.0	-0.4
Motor vehicles, bodies and trailers, and parts.....	-5.7	2.0	1.0	8.7	8.0	5.4	3.3	-2.8	4.8	-0.6	-0.5	3.4	-0.7
Other transportation equipment.....	-2.7	3.7	5.6	5.8	6.0	2.8	2.3	2.8	5.1	3.0	3.3	2.8	4.9
Furniture and related products.....	4.9	4.1	4.0	3.7	0.9	0.5	4.1	2.8	5.1	2.1	4.2	2.1	1.7
Miscellaneous manufacturing.....	-1.0	3.8	4.7	4.7	4.3	3.1	0.7	-1.9	4.5	1.8	2.5	1.8	-0.8
Nondurable goods.....	6.9	6.5	6.2	2.5	-0.3	-0.6	-0.4	6.8	-0.1	2.2	3.1	1.4	2.8
Food and beverage and tobacco products.....	2.6	7.6	10.1	6.5	0.8	-0.3	-5.4	-2.6	4.7	7.3	3.9	10.2	1.0
Textile and textile product mills.....	-2.8	0.6	4.9	1.9	1.6	-2.3	-3.5	-2.9	5.4	1.9	3.1	0.1	-3.3
Apparel and leather and allied products.....	2.1	2.6	3.0	2.5	2.3	1.7	0.8	-1.3	2.1	2.2	1.7	2.7	-1.4
Paper products.....	13.6	8.4	-2.3	-4.8	-4.3	-6.0	3.2	48.5	-11.9	-9.0	7.9	2.1	12.7
Printing and related support activities.....	0.6	4.3	2.8	3.6	2.4	4.8	0.8	1.3	8.5	2.2	3.1	2.0	0.6
Petroleum and coal products.....	16.4	15.8	68.1	-14.0	-15.4	-16.9	-3.2	7.3	-19.6	7.9	-5.8	-20.3	49.4
Chemical products.....	15.1	7.8	-1.1	5.5	2.0	2.5	3.8	9.4	-0.9	2.3	3.2	-2.3	0.0
Plastics and rubber products.....	2.3	0.2	0.7	1.8	-1.2	-0.1	0.0	3.8	1.1	-1.0	1.9	0.3	-2.2
Wholesale trade	4.8	2.1	5.4	0.1	-4.0	2.6	3.8	4.0	-1.9	-3.9	-6.5	1.1	2.8
Retail trade	-3.5	2.1	0.9	2.2	0.2	2.6	0.8	-0.2	-2.9	-2.5	-0.8	0.3	-0.3
Transportation and warehousing	2.4	-0.7	-1.4	0.7	-0.9	2.9	0.3	0.4	-1.1	3.3	4.2	0.8	0.0
Air transportation.....	11.9	-6.3	-11.7	9.3	-5.9	9.4	-4.8	-0.4	-8.4	5.8	3.6	-3.8	-3.7
Rail transportation.....	-0.8	-4.2	-4.2	-3.6	-1.7	0.8	0.6	-1.7	-1.4	0.5	2.9	-1.0	0.6
Water transportation.....	2.2	-7.9	-10.7	3.3	-9.6	-1.3	-3.4	3.2	-4.2	-2.7	3.9	8.3	-0.7
Truck transportation.....	-1.0	2.9	3.3	-3.5	-1.2	1.7	1.3	0.5	-1.0	4.0	6.1	3.1	2.3
Transit and ground passenger transportation.....	13.9	-5.8	-0.3	16.2	7.5	-2.3	-3.2	3.1	7.6	0.9	3.4	1.3	2.3
Pipeline transportation.....	2.2	-10.5	-13.3	2.8	5.3	12.6	9.5	-14.1	6.6	9.7	3.9	-10.2	-16.3
Other transportation and support activities.....	1.2	3.5	3.3	0.7	1.8	1.4	2.5	3.6	2.3	2.4	3.6	2.3	2.2
Warehousing and storage.....	-0.6	3.6	4.5	-2.9	-0.9	1.4	0.2	1.2	-0.2	0.6	2.0	3.2	1.0
Information	0.7	1.0	2.4	2.5	0.9	1.8	1.6	0.4	2.1	1.0	-0.6	-0.8	-0.4
Publishing industries (includes software).....	3.1	0.9	2.8	6.9	-1.2	2.2	-0.6	-1.2	3.1	-1.8	-1.3	2.2	2.1
Motion picture and sound recording industries.....	4.7	7.9	7.0	6.5	1.6	1.5	3.9	3.6	7.2	4.9	2.3	8.3	7.2
Broadcasting and telecommunications.....	-0.9	0.0	1.3	0.5	0.4	1.5	2.0	-0.3	-0.2	1.0	-1.3	-3.3	-2.2
Information and data processing services.....	4.5	4.1	6.1	3.2	11.5	3.5	2.5	8.0	13.6	7.2	5.6	1.1	-1.3
Finance, insurance, real estate, rental, and leasing	4.0	4.6	4.6	4.2	4.1	2.6	2.4	3.6	3.6	3.5	1.7	1.4	2.0
Finance and insurance	4.0	5.3	4.5	7.0	8.5	2.8	2.6	5.5	5.2	4.8	0.7	-0.8	-0.2
Federal Reserve banks, credit intermediation, and related activities.....	3.6	1.3	3.2	10.2	9.5	0.7	4.3	6.5	7.1	9.3	5.8	3.2	6.6
Securities, commodity contracts, and investments.....	-1.8	2.2	0.5	0.6	7.5	-0.6	-8.3	-0.2	-1.3	-5.5	-14.2	-15.4	-18.8
Insurance carriers and related activities.....	8.1	13.1	8.3	5.3	7.6	7.3	6.2	7.1	6.5	5.9	2.2	1.5	3.3
Funds, trusts, and other financial vehicles.....	0.3	2.8	2.1	2.1	6.0	0.7	-4.0	1.6	0.6	-1.6	52.5	59.7	35.7
Real estate and rental and leasing	4.0	4.2	4.6	2.8	1.9	2.5	2.3	2.6	2.7	2.7	2.4	2.7	3.4
Real estate.....	4.2	4.2	4.8	2.9	2.1	2.5	2.5	2.8	3.0	2.9	3.1	2.9	3.3
Rental and leasing services and lessors of intangible assets.....	1.7	4.2	2.5	2.2	-0.3	2.4	0.8	1.0	-0.8	0.6	-4.0	0.8	5.0
Professional and business services	5.0	4.0	5.0	5.0	4.8	3.4	2.9	3.7	2.8	3.9	3.5	3.5	3.8
Professional, scientific, and technical services	5.3	4.6	5.4	5.0	4.6	3.3	2.9	4.3	3.5	4.3	1.0	2.0	1.6
Legal services.....	4.1	6.3	8.2	6.4	5.3	4.8	3.6	3.1	3.9	4.5	4.5	3.0	4.1
Computer systems design and related services.....	4.1	1.3	3.2	3.6	1.5	2.6	2.1	5.0	3.9	5.2	-1.8	3.0	4.3
Miscellaneous professional, scientific, and technical services.....	5.9	4.3	4.7	4.6	4.8	2.7	2.8	4.7	3.3	4.1	0.6	1.4	0.0
Management of companies and enterprises	3.4	3.0	2.9	6.2	5.9	5.4	3.8	4.1	1.1	2.4	10.5	7.8	8.9
Administrative and waste management services	5.5	3.6	5.4	4.2	4.7	2.3	2.0	2.0	2.4	3.8	4.9	4.4	6.0
Administrative and support services.....	5.3	3.4	5.5	4.2	4.7	2.0	1.8	1.9	2.5	3.8	5.1	4.7	6.6
Waste management and remediation services.....	7.5	4.6	5.2	3.9	4.5	4.9	4.3	2.3	1.3	3.3	2.7	1.1	-0.4
Educational services, health care, and social assistance	7.5	7.7	7.5	7.1	6.2	4.8	4.5	3.1	2.9	3.0	4.1	3.6	4.0
Educational services	6.3	6.0	6.0	5.7	4.1	2.9	3.8	2.5	4.5	3.9	5.0	5.5	6.0
Health care and social assistance	7.7	7.9	7.7	7.3	6.5	5.0	4.6	3.2	2.7	2.9	4.0	3.4	3.8
Ambulatory health care services.....	7.3	7.1	7.2	6.5	6.4	5.4	5.4	3.5	1.6	2.7	2.9	2.5	2.3
Hospitals and nursing and residential care facilities.....	8.5	9.3	8.5	8.3	6.6	5.0	3.9	2.9	4.1	3.0	5.2	4.4	5.3
Social assistance.....	5.5	5.9	6.4	6.8	6.0	1.8	2.3	2.7	3.3	3.8	5.0	4.3	5.6
Arts, entertainment, recreation, accommodation, and food services	4.8	5.1	5.2	6.1	2.8	2.3	1.9	1.9	2.5	5.3	2.0	3.4	3.4
Arts, entertainment, and recreation	3.5	4.9	5.4	5.1	2.6	2.5	2.9	2.9	4.0	3.3	3.2	5.1	4.9
Performing arts, spectator sports, museums, and related activities.....	6.1	5.7	6.1	5.4	1.7	1.6	3.3	3.3	5.2	3.3	3.2	7.0	6.4
Amusements, gambling, and recreation industries.....	1.5	4.3	4.8	4.8	3.3	3.2	2.6	2.6	3.0	3.3	3.1	3.6	3.6
Accommodation and food services	5.2	5.2	5.2	6.4	2.8	2.2	1.5	1.6	2.0	6.0	1.7	2.8	3.0
Accommodation.....	6.8	5.2	3.6	5.8	1.9	3.2	2.7	1.5	1.8	8.7	5.4	3.9	3.3
Food services and drinking places.....	4.5	5.2	5.9	6.7	3.2	1.8	1.0	1.7	2.1	4.7	-0.2	2.2	2.8
Other services, except government	4.7	4.0	4.0	4.5	4.7	3.9	2.2	3.3	4.7	4.7	4.3	4.8	5.4
Government	4.4	4.2	4.5	5.9	4.1	3.5	3.2	3.1	2.6	2.3	2.4	3.1	3.3
Federal	4.8	3.7	2.6	7.3	4.4	3.0	2.8	4.4	3.5	2.2	1.6	3.2	3.1
General government.....	3.9	3.7	3.1	5.6	4.8	3.5	3.3	3.4	4.2	2.7	1.9	3.5	3.9
Government enterprises.....	11.0	3.4	-0.9	18.9	1.9	0.4	0.0	10.0	-0.6	-0.4	0.1	1.9	-0.9
State and local	4.2	4.5	5.7	5.1	4.0	3.8	3.5	2.5	2.1	2.3	2.8	3.1	3.4

Table 7. Gross Output by Industry in Current Dollars, 1987–2000

(Billions of dollars)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All industries	8,654.0	9,369.4	9,981.5	10,529.1	10,691.2	11,252.5	11,860.9	12,647.2	13,443.5	14,239.7	15,141.0	15,905.1	16,908.0	18,186.5
Private industries	7,631.2	8,291.2	8,834.5	9,299.8	9,389.5	9,897.1	10,457.5	11,188.0	11,931.3	12,675.2	13,514.1	14,219.6	15,124.3	16,287.7
Agriculture, forestry, fishing, and hunting	182.1	191.8	210.7	220.2	213.5	226.8	231.5	249.5	244.5	266.9	270.7	258.3	250.6	254.3
Farms.....	147.1	153.7	171.9	180.1	175.2	182.7	182.2	197.6	192.0	215.9	222.0	208.9	198.5	203.6
Forestry, fishing, and related activities.....	35.1	38.1	38.7	40.1	38.3	44.1	49.3	51.9	52.5	51.0	48.7	49.4	52.1	50.7
Mining	129.7	128.6	136.5	153.6	143.1	138.5	138.1	135.9	135.2	160.3	169.7	143.3	151.9	215.9
Oil and gas extraction.....	74.7	67.8	73.6	86.1	77.4	75.7	76.1	70.2	68.8	90.6	91.6	66.4	80.1	137.6
Mining, except oil and gas.....	43.6	46.8	49.5	51.6	49.2	49.6	46.3	50.6	51.4	51.7	52.7	50.8	48.5	47.6
Support activities for mining.....	11.4	14.0	13.3	15.9	16.6	13.1	15.8	15.1	15.1	18.0	25.4	26.1	23.3	30.7
Utilities	202.1	212.3	226.7	232.5	245.6	255.3	267.9	270.7	272.0	283.9	289.9	291.9	284.3	319.5
Construction	448.7	461.6	474.6	477.6	441.4	464.7	497.7	542.0	571.7	629.4	676.0	730.8	798.6	861.5
Manufacturing	2,379.8	2,592.4	2,734.2	2,792.7	2,748.5	2,870.6	2,991.7	3,209.9	3,452.1	3,563.9	3,779.7	3,846.1	3,978.0	4,144.5
Durable goods.....	1,274.6	1,396.2	1,451.9	1,453.9	1,408.8	1,494.0	1,588.2	1,747.1	1,886.9	1,964.2	2,114.7	2,199.3	2,287.7	2,328.2
Wood products.....	53.3	54.5	56.0	55.3	52.3	59.9	69.6	77.6	79.0	81.7	88.5	91.1	97.5	94.1
Nonmetallic mineral products.....	61.0	62.5	63.1	63.1	59.0	61.4	64.3	69.8	74.9	81.1	85.2	91.4	94.7	95.9
Primary metals.....	109.6	136.8	141.7	135.5	123.6	124.8	129.2	144.6	162.2	160.1	166.6	166.0	155.5	155.0
Fabricated metal products.....	147.1	161.1	167.2	170.2	165.5	171.1	178.1	196.1	214.6	225.3	238.6	250.1	253.1	263.9
Machinery.....	147.4	164.6	179.0	179.2	172.3	174.9	190.8	212.5	235.3	245.8	260.6	269.0	266.7	281.6
Computer and electronic products.....	217.5	238.3	242.7	251.7	253.8	270.2	282.9	317.7	369.1	394.5	432.3	427.8	454.3	500.8
Electrical equipment, appliances, and components.....	71.7	77.2	81.3	79.9	75.9	81.6	88.1	96.0	101.5	105.2	109.5	113.7	114.9	121.7
Motor vehicles, bodies and trailers, and parts.....	241.1	260.1	270.2	249.9	239.9	276.3	311.1	364.2	379.2	383.8	416.9	434.7	494.4	466.8
Other transportation equipment.....	127.6	139.0	139.9	153.3	151.0	150.6	141.9	130.3	125.2	133.6	152.6	179.4	174.3	156.8
Furniture and related products.....	41.2	42.5	44.3	44.4	41.9	45.6	48.3	51.9	54.5	56.3	63.3	68.9	71.8	74.0
Miscellaneous manufacturing.....	57.2	63.6	66.5	71.5	73.6	77.7	83.8	86.3	91.5	96.9	100.7	107.2	110.5	117.6
Nondurable goods.....	1,105.1	1,196.2	1,282.3	1,338.8	1,339.8	1,376.6	1,403.5	1,462.7	1,565.1	1,599.7	1,665.0	1,646.8	1,690.3	1,816.3
Food and beverage and tobacco products.....	348.2	375.4	405.0	420.4	431.6	445.3	453.2	463.5	483.3	498.3	518.0	531.3	538.5	557.1
Textile and textile product mills.....	67.2	70.3	73.0	71.2	71.3	76.2	79.8	84.6	86.0	85.8	89.2	88.2	86.2	84.5
Apparel and leather and allied products.....	65.1	67.3	66.1	66.8	68.1	72.6	74.2	76.1	75.8	75.0	76.8	72.3	69.9	66.4
Paper products.....	103.9	117.4	126.0	126.3	124.3	126.2	126.2	135.8	165.8	152.0	148.6	152.5	154.9	162.4
Printing and related support activities.....	65.9	70.3	73.9	77.8	76.1	80.6	82.4	84.6	91.5	94.4	96.5	99.4	101.5	103.4
Petroleum and coal products.....	128.5	128.3	142.3	168.6	155.5	146.5	141.8	140.6	148.3	169.9	174.2	134.7	158.7	230.4
Chemical products.....	238.1	270.2	293.1	300.9	306.4	315.9	324.1	344.1	370.4	376.1	405.2	406.8	411.1	437.6
Plastics and rubber products.....	88.0	96.9	102.9	106.7	106.5	113.3	121.9	133.5	144.0	148.2	156.6	161.7	169.5	174.6
Wholesale trade.....	414.3	457.4	481.4	512.0	517.6	539.2	581.7	638.2	695.2	718.5	754.0	767.8	818.9	867.2
Retail trade.....	506.3	527.5	557.4	579.3	586.8	619.4	665.7	724.2	766.0	801.0	830.1	874.5	950.7	1,011.1
Transportation and warehousing.....	286.1	315.1	331.8	353.2	358.0	376.7	396.7	424.4	446.8	472.3	503.6	533.5	560.1	592.9
Air transportation.....	62.2	69.5	71.6	74.2	74.7	76.3	81.7	85.4	91.1	95.8	104.2	106.9	111.7	121.9
Rail transportation.....	32.4	34.3	35.0	35.7	35.4	36.4	37.0	39.4	41.2	41.8	42.4	43.1	42.2	42.7
Water transportation.....	15.7	17.4	17.6	18.5	19.1	19.1	20.0	20.4	22.1	23.9	24.6	25.0	27.0	28.9
Truck transportation.....	82.5	92.9	101.0	111.6	111.9	121.1	127.9	141.8	148.0	157.0	168.2	184.1	198.7	213.2
Transit and ground passenger transportation.....	15.9	16.8	17.7	19.0	19.9	20.3	20.7	21.2	22.3	23.5	24.7	26.0	25.9	25.3
Pipeline transportation.....	20.9	21.1	21.5	21.5	21.3	22.5	24.0	24.7	24.1	26.6	27.5	28.1	28.1	26.8
Other transportation and support activities.....	44.0	49.1	52.6	56.7	59.6	63.2	66.3	70.6	74.7	79.4	84.8	90.0	95.0	101.7
Warehousing and storage.....	12.5	14.0	14.8	15.9	16.2	17.7	19.1	21.0	23.2	24.4	27.2	30.2	31.4	32.7
Information.....	326.8	350.4	369.8	392.1	407.4	429.5	462.9	502.6	551.2	610.6	669.5	758.8	862.5	959.2
Publishing industries (includes software).....	85.2	92.9	98.5	104.1	107.9	112.5	123.2	133.0	146.4	163.2	183.5	205.4	226.4	242.2
Motion picture and sound recording industries.....	27.9	30.8	34.2	36.9	39.0	40.7	45.1	49.1	53.7	59.3	61.5	66.0	73.0	77.0
Broadcasting and telecommunications.....	197.6	207.3	214.8	226.3	234.3	248.0	263.7	284.9	310.3	342.7	377.2	434.6	495.8	554.9
Information and data processing services.....	16.0	19.4	22.3	24.9	26.2	28.2	31.0	35.6	40.8	45.3	47.3	52.8	67.2	85.2
Finance, insurance, real estate, rental, and leasing.....	1,269.5	1,384.4	1,481.6	1,586.7	1,647.9	1,732.0	1,845.7	1,963.0	2,084.9	2,252.7	2,427.7	2,593.3	2,798.5	3,070.1
Finance and insurance.....	515.8	542.4	575.0	633.6	670.3	736.4	777.9	846.1	923.8	1,022.4	1,119.6	1,245.4	1,389.1	1,511.1
Federal Reserve banks, credit intermediation, and related activities.....	225.7	236.9	239.4	247.4	260.1	274.8	295.4	313.4	338.6	376.2	418.0	449.9	494.7	533.8
Securities, commodity contracts, and investments.....	60.0	56.0	64.7	61.0	74.9	83.5	101.8	107.9	134.3	164.2	199.5	228.2	276.3	341.1
Insurance carriers and related activities.....	190.9	213.9	233.7	251.0	261.9	273.5	294.4	315.9	328.9	337.5	351.3	378.5	401.6	428.0
Funds, trusts, and other financial vehicles.....	39.3	35.7	37.2	39.9	36.7	38.5	44.7	40.6	44.3	46.0	53.6	63.0	72.8	86.1
Real estate and rental and leasing.....	753.7	842.0	906.6	987.5	1,014.2	1,061.6	1,109.4	1,185.1	1,238.8	1,328.8	1,405.3	1,473.7	1,553.1	1,681.0
Real estate.....	686.5	761.8	819.4	892.2	921.1	963.9	1,003.9	1,070.0	1,115.8	1,191.9	1,258.8	1,309.0	1,370.9	1,475.8
Rental and leasing services and lessors of intangible assets.....	67.1	80.2	87.2	95.4	93.2	97.7	105.5	115.1	123.0	136.9	146.5	164.7	182.2	205.2
Professional and business services.....	575.6	651.3	723.7	790.7	810.6	869.0	922.5	991.2	1,081.6	1,196.5	1,333.7	1,494.9	1,641.4	1,813.5
Professional, scientific, and technical services.....	316.3	361.8	406.1	443.7	454.5	487.4	514.3	545.7	593.6	662.8	743.5	840.2	928.1	1,036.5
Legal services.....	81.4	92.7	101.5	111.6	114.6	124.5	128.6	131.5	133.0	143.1	152.7	163.7	173.8	181.4
Computer systems design and related services.....	24.8	28.9	33.2	37.1	40.3	43.9	50.1	58.1	66.1	79.5	101.5	127.2	151.3	172.6
Miscellaneous professional, scientific, and technical services.....	210.1	240.2	271.4	295.0	299.7	319.0	335.6	356.1	394.6	440.2	489.3	549.3	603.0	682.4
Management of companies and enterprises.....	130.9	138.6	147.5	157.0	163.2	172.5	184.4	198.0	210.2	223.5	242.0	260.5	276.5	300.6
Administrative and waste management services.....	128.4	150.9	170.2	190.0	192.9	209.0	223.8	247.5	277.8	310.2	348.2	394.3	436.9	476.4
Administrative and support services.....	108.3	127.3	144.2	161.5	164.5	178.0	190.4	211.3	239.6	270.0	306.3	348.7	387.9	425.6
Waste management and remediation services.....	20.1	23.6	26.0	28.5	28.4	31.0	33.4	36.2	38.2	40.2	4			

Table 8. Intermediate Inputs by Industry in Current Dollars, 1987-2000

[Billions of dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All industries	3,914.5	4,265.6	4,497.1	4,726.0	4,695.2	4,914.7	5,203.5	5,574.9	6,045.9	6,422.8	6,836.6	7,158.1	7,639.6	8,369.6
Private industries	3,550.8	3,892.1	4,102.2	4,302.0	4,250.8	4,456.7	4,728.2	5,077.6	5,524.0	5,880.0	6,266.6	6,567.1	6,997.3	7,673.4
Agriculture, forestry, fishing, and hunting	102.3	111.5	117.9	123.5	124.3	127.2	138.4	143.9	151.4	153.1	160.0	155.9	156.8	156.3
Farms.....	85.5	92.4	98.4	103.5	105.3	103.9	111.6	115.9	123.5	125.2	133.9	130.0	129.8	132.1
Forestry, fishing, and related activities.....	16.8	19.2	19.5	20.0	19.0	23.3	26.8	28.0	28.0	27.9	26.1	25.9	27.1	24.2
Mining	58.2	57.1	60.4	68.8	67.1	67.2	66.0	62.3	61.1	72.8	77.0	68.5	66.5	94.5
Oil and gas extraction.....	32.9	27.4	29.3	34.3	34.1	35.8	35.7	30.9	29.2	39.0	38.7	31.2	32.9	56.6
Mining, except oil and gas.....	20.8	24.5	25.9	27.9	26.4	26.1	23.8	25.5	26.2	26.0	26.2	23.8	21.0	20.6
Support activities for mining.....	4.5	5.2	5.2	6.6	6.6	5.3	6.5	5.9	5.8	7.8	12.1	13.6	12.7	17.3
Utilities	79.1	89.5	90.8	89.6	93.1	97.9	102.6	96.2	90.5	100.6	110.3	111.1	98.9	130.2
Construction	230.5	228.9	229.8	229.2	211.3	232.2	249.4	267.5	284.8	317.7	338.5	356.4	392.0	425.6
Manufacturing	1,568.4	1,715.5	1,806.9	1,845.3	1,791.0	1,873.9	1,951.8	2,091.1	2,274.8	2,354.5	2,499.9	2,502.3	2,604.9	2,718.3
Durable goods.....	790.8	877.2	908.7	911.2	867.9	931.2	995.1	1,099.4	1,209.7	1,257.7	1,359.2	1,392.4	1,467.3	1,462.9
Wood products.....	33.1	34.2	34.8	35.5	33.4	39.9	47.2	52.0	52.1	55.3	60.5	61.8	65.5	62.6
Nonmetallic mineral products.....	37.9	39.3	38.3	38.2	35.7	34.9	37.2	37.9	40.7	46.3	44.5	49.1	49.6	50.2
Primary metals.....	78.6	98.3	100.2	97.0	87.9	89.1	91.6	102.3	114.4	113.8	118.2	116.6	108.2	106.8
Fabricated metal products.....	81.4	90.3	93.0	94.3	92.2	95.3	98.7	105.7	118.2	122.1	130.5	137.4	136.8	142.2
Machinery.....	83.9	91.7	99.2	98.5	97.8	99.1	112.7	129.5	145.5	154.6	162.5	157.5	161.1	172.3
Computer and electronic products.....	134.3	146.6	148.3	154.2	152.8	166.2	175.9	198.5	237.9	255.2	277.9	262.1	291.6	315.2
Electrical equipment, appliances, and components.....	38.9	41.6	42.6	42.1	39.2	44.0	48.0	52.9	58.9	62.2	63.9	68.9	66.7	71.1
Motor vehicles, bodies and trailers, and parts.....	177.6	194.0	207.0	195.5	183.2	204.4	226.5	261.0	280.5	284.4	313.8	325.9	379.0	348.7
Other transportation equipment.....	67.9	80.8	83.2	91.9	82.9	90.8	84.4	83.2	79.7	81.3	98.1	116.1	110.0	92.4
Furniture and related products.....	23.1	24.2	25.0	25.6	23.7	25.9	27.0	29.4	31.0	31.6	36.2	39.8	40.8	41.3
Miscellaneous manufacturing.....	34.0	36.1	36.9	38.4	39.0	41.5	45.9	47.0	50.8	51.0	52.9	57.3	58.0	60.0
Nondurable goods.....	777.6	838.3	898.3	934.1	923.2	942.7	956.7	991.6	1,065.1	1,096.8	1,140.7	1,109.9	1,137.6	1,255.4
Food and beverage and tobacco products.....	260.4	283.4	306.9	311.2	315.3	325.3	333.3	342.2	348.9	367.3	382.7	393.8	385.0	402.3
Textile and textile product mills.....	46.7	49.3	51.0	48.6	48.2	50.3	53.7	58.1	60.4	59.7	62.2	61.0	59.8	58.0
Apparel and leather and allied products.....	41.1	42.1	39.6	40.1	40.2	43.2	44.7	45.7	46.5	47.1	49.6	46.3	45.2	41.3
Paper products.....	68.4	76.7	83.2	84.1	82.6	83.8	82.3	88.6	108.7	98.4	97.1	100.4	100.7	106.8
Printing and related support activities.....	35.3	37.7	38.5	41.3	39.5	41.2	43.2	43.1	50.0	49.9	51.9	52.9	53.3	54.4
Petroleum and coal products.....	109.5	102.4	117.1	141.9	131.2	123.5	115.9	117.0	128.9	147.5	147.1	104.0	136.3	204.1
Chemical products.....	161.1	183.6	197.1	197.7	199.8	204.6	208.6	214.3	231.9	235.5	254.3	253.4	253.9	280.5
Plastics and rubber products.....	55.1	63.1	64.9	69.1	66.3	70.7	75.0	82.7	91.8	91.4	95.9	98.1	103.4	107.9
Wholesale trade	129.0	139.3	144.0	164.2	157.0	160.2	180.4	195.5	238.2	229.4	232.7	224.8	241.2	275.5
Retail trade	156.4	161.4	168.3	180.5	181.4	189.4	207.7	231.0	251.1	257.2	255.9	275.8	315.3	348.7
Transportation and warehousing	135.0	154.0	167.7	183.8	179.8	190.1	195.7	206.5	220.4	237.1	249.8	259.8	272.6	291.3
Air transportation.....	38.3	43.3	45.4	47.5	47.4	46.9	47.6	47.6	50.1	51.3	54.7	54.4	56.8	64.2
Rail transportation.....	9.5	10.3	14.5	15.1	12.3	13.9	13.9	14.7	16.3	17.3	19.3	18.5	17.6	17.1
Water transportation.....	11.9	13.3	13.2	13.9	13.8	14.0	14.6	14.8	16.3	17.8	18.1	18.5	20.6	21.6
Truck transportation.....	38.6	45.0	49.9	59.0	57.8	64.0	66.2	73.4	77.9	85.0	89.8	97.9	108.8	120.4
Transit and ground passenger transportation.....	8.5	9.5	10.0	10.6	11.5	11.2	11.3	11.7	12.0	12.3	11.7	12.2	11.5	10.8
Pipeline transportation.....	13.3	14.2	14.3	14.3	14.0	14.9	15.9	16.5	16.0	17.9	18.8	18.9	18.9	18.0
Other transportation and support activities.....	12.2	15.3	16.8	19.4	19.1	20.7	21.4	22.5	25.5	28.5	29.7	30.2	30.3	31.4
Warehousing and storage.....	2.8	3.3	3.6	4.1	4.0	4.4	4.8	5.3	6.4	6.9	7.7	9.1	8.2	7.7
Information	141.8	156.4	159.4	167.1	172.2	178.6	190.4	208.6	243.6	274.8	321.7	377.2	423.2	500.9
Publishing industries (includes software).....	43.4	48.7	49.7	53.8	55.1	55.7	63.1	66.2	78.4	84.3	96.1	108.7	107.7	125.5
Motion picture and sound recording industries.....	15.1	17.4	17.7	20.0	21.8	23.0	24.9	29.4	31.7	35.5	37.2	40.7	42.9	44.4
Broadcasting and telecommunications.....	78.2	83.6	84.1	84.3	85.5	89.7	90.6	99.2	116.8	136.0	168.3	204.8	242.0	283.6
Information and data processing services.....	5.2	6.8	7.9	8.9	9.8	10.2	11.7	13.9	16.8	19.0	20.1	23.0	30.5	47.4
Finance, insurance, real estate, rental, and leasing	429.2	474.3	506.3	544.6	544.3	554.6	604.2	665.2	701.9	782.0	834.3	908.7	1,000.1	1,139.1
Finance and insurance	241.4	246.6	258.8	259.0	257.2	262.8	298.6	327.8	355.2	393.1	426.8	478.5	565.5	648.6
Federal Reserve banks, credit intermediation, and related activities.....	78.0	86.4	81.4	76.7	71.0	70.7	86.3	110.2	120.9	145.3	158.4	172.1	186.7	214.8
Securities, commodity contracts, and investments.....	18.6	13.1	20.5	17.6	26.4	28.2	31.9	33.9	51.7	61.9	80.0	94.1	136.3	173.4
Insurance carriers and related activities.....	111.9	117.2	125.2	131.2	129.6	132.7	144.1	151.1	146.9	148.6	144.8	161.1	184.7	189.7
Funds, trusts, and other financial vehicles.....	32.9	30.0	31.6	33.5	30.2	31.1	36.3	32.7	35.7	37.2	43.7	51.1	57.8	70.6
Real estate and rental and leasing	187.8	227.7	247.5	285.6	287.2	291.8	305.6	337.4	346.7	388.8	407.5	430.2	434.6	490.5
Real estate.....	165.4	199.3	216.5	251.5	254.0	257.4	267.9	294.6	299.8	335.9	350.9	358.7	352.9	393.7
Rental and leasing services and lessors of intangible assets.....	22.3	28.4	31.0	34.1	33.1	34.4	37.8	42.9	46.9	52.9	56.6	71.5	81.6	96.9
Professional, scientific, and business services	161.6	185.0	205.7	220.8	231.3	242.3	263.4	292.8	338.5	386.4	437.2	518.8	576.9	672.6
Professional, scientific, and technical services	77.7	89.9	102.0	105.4	112.8	117.5	127.5	140.6	165.6	195.2	225.4	274.9	314.1	361.3
Legal services.....	18.7	19.3	21.9	24.2	24.4	26.5	28.6	30.1	29.3	33.4	38.2	42.8	46.4	45.3
Computer systems design and related services.....	2.8	3.5	4.3	5.0	6.3	6.2	8.1	10.5	13.9	17.5	22.9	34.3	43.5	46.9
Miscellaneous professional, scientific, and technical services.....	56.2	66.1	74.0	76.2	82.1	84.8	90.8	100.0	122.4	144.4	164.2	197.8	224.2	269.2
Management of companies and enterprises	49.5	51.6	54.8	58.8	59.4	62.5	68.2	74.6	82.5	88.8	96.3	103.7	106.0	117.3
Administrative and waste management services	34.3	44.6	50.7	56.7	59.2	62.3	67.7	77.6	90.4	102.3	115.5	140.2	156.7	194.0
Administrative and support services.....														

Table 9. Percent Changes in Chain-Type Quantity Indexes for Gross Output by Industry, 1988–2000

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All industries	4.6	2.5	1.8	-0.8	3.3	3.1	4.6	3.4	4.2	5.1	5.3	5.1	4.6
Private industries	5.0	2.6	1.7	-1.0	3.6	3.4	5.1	3.8	4.6	5.5	5.7	5.4	4.9
Agriculture, forestry, fishing, and hunting	-3.6	4.4	3.6	0.4	5.4	-2.9	7.9	-3.2	1.4	5.3	0.7	2.1	1.0
Farms.....	-4.1	6.1	4.4	1.3	5.4	-2.4	9.3	-4.1	2.0	8.2	0.0	1.0	1.6
Forestry, fishing, and related activities.....	-1.5	-2.7	-0.3	-3.6	5.2	-4.8	2.8	0.3	-1.2	-6.5	3.8	6.2	-1.3
Mining	4.2	-1.7	2.7	0.6	-1.0	-0.4	1.5	-2.0	1.8	4.4	-2.3	-2.8	4.4
Oil and gas extraction.....	1.7	-3.8	-0.7	-2.6	-0.5	-1.8	-0.5	-2.0	-1.2	1.3	-2.5	-2.4	2.4
Mining, except oil and gas.....	6.3	3.8	4.8	-1.8	2.6	-2.5	7.2	-0.8	3.1	2.9	1.3	-1.0	-1.9
Support activities for mining.....	11.6	-9.1	14.8	-1.7	-14.3	15.1	-5.9	-6.2	12.9	22.8	-8.4	-7.4	26.3
Utilities	5.4	4.9	0.7	3.8	1.9	2.2	0.7	0.5	1.4	0.8	2.1	-2.5	5.9
Construction	-0.5	-0.4	-2.1	-8.8	4.4	3.6	5.2	1.5	7.5	4.1	4.6	5.2	3.4
Manufacturing	4.9	1.3	-0.3	-1.9	4.0	3.5	6.2	4.9	3.4	7.0	4.9	4.2	2.0
Durable goods.....	6.3	1.0	-0.8	-4.0	5.4	5.4	8.6	7.8	6.5	9.5	7.7	6.7	3.5
Wood products.....	-0.7	-2.4	-1.4	-7.1	4.3	0.3	7.1	3.0	3.6	4.5	4.5	3.7	-1.1
Nonmetallic mineral products.....	1.3	-1.0	-1.3	-8.0	3.5	2.6	4.8	3.1	6.7	3.6	5.7	1.0	-0.1
Primary metals.....	10.1	-0.8	-1.6	-4.3	2.7	4.7	5.3	1.1	3.1	3.2	3.0	-1.5	-4.3
Fabricated metal products.....	4.5	-1.1	-0.8	-4.3	3.0	3.4	8.3	5.4	3.6	4.6	3.8	0.7	3.3
Machinery.....	8.5	4.4	-3.3	-6.6	-0.3	7.2	9.6	8.2	2.4	4.6	2.5	-1.8	4.9
Computer and electronic products.....	10.6	3.3	7.8	3.5	11.8	10.1	17.7	30.3	23.0	22.4	16.6	21.9	24.1
Electrical equipment, appliances, and components.....	2.8	0.0	-3.7	-5.8	7.0	7.2	7.2	2.7	2.9	3.9	4.2	1.6	4.7
Motor vehicles, bodies and trailers, and parts.....	6.1	1.1	-9.1	-6.6	12.6	10.2	14.4	2.9	0.3	9.2	5.4	13.5	-5.9
Other transportation equipment.....	5.1	0.3	5.4	-5.0	-3.7	-7.7	-10.1	-6.4	5.0	13.2	16.9	-3.7	-12.3
Furniture and related products.....	-1.5	0.3	-2.5	-7.7	7.3	3.8	4.3	1.9	1.1	11.0	7.5	2.9	1.6
Miscellaneous manufacturing.....	8.1	1.1	4.1	0.4	3.1	5.5	1.2	4.3	4.4	3.1	5.8	2.3	5.5
Nondurable goods.....	3.3	1.6	0.1	0.3	2.6	1.3	3.3	1.4	-0.2	4.1	1.4	0.8	0.1
Food and beverage and tobacco products.....	3.0	2.2	-0.1	1.7	2.2	0.8	2.2	3.1	-1.6	3.1	3.7	-0.5	1.5
Textile and textile product mills.....	0.6	1.6	-4.5	-0.7	6.1	5.0	6.0	-1.0	-1.7	3.4	-1.0	0.0	-1.9
Apparel and leather and allied products.....	-0.2	-4.4	-1.8	0.0	4.8	1.0	1.7	-1.5	-2.2	1.3	-6.0	-3.5	-5.5
Paper products.....	3.4	1.4	0.2	0.6	3.1	0.7	4.9	-0.3	-2.3	1.8	0.4	1.3	-2.8
Printing and related support activities.....	2.9	0.8	3.0	-3.6	5.0	-0.5	1.3	1.3	0.8	2.1	1.3	1.3	-0.3
Petroleum and coal products.....	3.8	-0.8	-1.9	2.1	-2.4	0.3	2.5	1.9	1.4	4.5	-1.5	3.2	-0.7
Chemical products.....	4.9	2.7	1.2	-0.8	1.9	0.6	3.2	0.9	1.2	6.6	0.8	0.9	0.9
Plastics and rubber products.....	4.4	4.0	3.1	-1.0	7.0	6.6	8.0	2.1	3.4	6.0	4.1	4.6	0.7
Wholesale trade	5.7	2.7	1.5	0.3	6.6	5.4	6.2	5.1	4.4	7.6	6.8	5.6	3.2
Retail trade	5.6	3.0	2.2	-1.1	4.6	4.8	7.4	4.7	6.1	4.9	5.5	7.9	5.5
Transportation and warehousing	8.0	3.4	3.8	0.8	5.1	3.3	6.3	3.7	4.8	4.3	4.8	3.4	2.0
Air transportation.....	5.8	2.9	3.2	-3.1	3.8	3.1	6.5	5.6	7.4	5.3	2.6	4.8	5.0
Rail transportation.....	6.0	3.2	2.4	1.1	3.6	0.6	5.4	4.8	1.5	0.7	0.4	-1.9	-0.4
Water transportation.....	7.2	0.7	4.7	-0.3	1.2	4.0	1.9	5.2	7.3	2.4	0.4	3.2	2.7
Truck transportation.....	12.4	4.8	5.7	2.0	8.3	4.0	9.3	2.7	5.4	4.6	7.3	5.3	2.5
Transit and ground passenger transportation.....	-1.4	5.4	3.7	-2.0	-1.2	2.7	3.1	2.1	0.1	4.4	4.7	-1.9	-6.1
Pipeline transportation.....	2.8	0.6	-1.0	0.8	3.6	1.8	0.2	0.7	2.8	0.3	5.9	0.9	-8.6
Other transportation and support activities.....	9.8	3.5	3.7	4.0	4.2	3.4	4.4	-2.3	3.8	4.6	4.3	3.4	3.2
Warehousing and storage.....	11.4	2.4	2.7	3.2	9.6	6.2	9.0	8.9	4.7	10.3	9.5	1.1	2.0
Information	5.3	3.6	3.4	1.5	4.4	6.2	6.9	8.2	9.2	8.6	13.9	14.2	10.7
Publishing industries (includes software).....	5.2	3.8	3.1	-0.3	4.7	7.7	7.6	8.1	9.9	13.3	12.6	9.0	5.0
Motion picture and sound recording industries.....	5.7	4.5	1.8	0.7	2.9	8.8	5.4	5.7	5.7	0.5	5.4	5.0	0.1
Broadcasting and telecommunications.....	4.2	2.6	3.4	2.3	4.9	4.9	6.0	8.5	10.2	8.9	16.6	16.6	12.9
Information and data processing services.....	16.7	11.2	7.3	2.9	0.9	7.7	13.4	9.4	3.8	0.8	8.3	26.6	26.6
Finance, insurance, real estate, rental, and leasing	5.0	2.5	2.6	-0.1	1.0	3.8	4.0	2.5	4.6	4.5	5.7	7.0	8.2
Finance and insurance	1.4	1.0	-0.2	0.1	-1.1	6.9	3.5	3.7	4.7	6.6	9.9	12.6	12.5
Federal Reserve banks, credit intermediation, and related activities.....	1.6	-0.8	0.3	-2.8	-2.1	6.5	2.9	2.5	5.7	4.4	3.8	7.9	3.5
Securities, commodity contracts, and investments.....	-5.8	13.0	-7.0	21.4	4.7	21.9	13.0	23.5	22.5	25.5	30.0	37.9	41.8
Insurance carriers and related activities.....	5.5	0.0	0.2	-0.5	-1.8	1.6	2.3	-2.1	-3.1	-1.3	5.7	4.0	3.8
Funds, trusts, and other financial vehicles.....	-9.3	1.3	5.0	-9.8	-1.1	15.3	-5.4	7.3	3.1	18.5	15.5	11.5	18.8
Real estate and rental and leasing	7.5	3.5	4.4	-0.3	2.4	1.9	4.4	1.7	4.5	3.0	2.7	2.8	4.8
Real estate.....	6.6	3.4	4.2	0.2	2.2	1.5	4.0	1.3	3.8	2.7	1.3	2.0	4.4
Rental and leasing services and lessors of intangible assets.....	16.9	4.5	6.0	-4.4	4.4	5.6	7.8	4.9	11.0	5.6	14.9	9.5	7.7
Professional and business services	8.1	6.9	4.5	-1.7	3.0	3.0	4.7	5.4	8.0	8.1	9.4	7.0	7.1
Professional, scientific, and technical services	8.9	7.6	4.1	-1.9	3.1	2.5	3.4	4.7	8.5	8.4	12.1	8.8	10.0
Legal services.....	9.4	3.6	2.5	-2.9	3.8	-0.9	-1.0	-2.0	4.0	2.6	3.4	3.6	0.8
Computer systems design and related services.....	12.0	13.4	8.7	5.1	7.7	11.6	13.9	9.5	17.4	23.4	27.6	16.7	10.4
Miscellaneous professional, scientific, and technical services.....	8.4	8.6	4.2	-2.4	2.2	2.6	3.5	6.3	8.6	7.5	11.7	8.5	12.5
Management of companies and enterprises	2.3	3.0	3.2	-0.8	1.1	2.4	3.8	2.1	4.8	5.9	1.0	0.9	2.4
Administrative and waste management services	12.0	8.9	6.5	-1.8	4.4	4.8	8.4	9.7	9.3	9.1	9.7	7.3	4.0
Administrative and support services.....	12.0	9.5	6.8	-1.7	4.1	4.9	9.0	10.8	10.3	10.2	10.0	7.6	4.4
Waste management and remediation services.....	11.6	5.3	4.3	-2.5	6.2	4.0	5.3	3.1	3.0	1.7	7.5	5.4	0.7
Educational services, health care, and social assistance	6.2	3.6	4.9	2.8	4.3	1.8	1.2	2.9	2.8	2.7	3.3	2.8	3.5
Educational services	6.1	4.1	3.0	2.0	3.4	2.8	2.4	3.6	4.0	1.0	4.8	3.2	4.3
Health care and social assistance	6.2	3.5	5.1	2.9	4.4	1.6	1.1	2.8	2.6	2.9	3.1	2.7	3.3
Ambulatory health care services.....	7.3	3.1	5.4	3.2	5.6	1.0	1.3	3.5	3.0	2.6	4.3	2.2	3.8
Hospitals and nursing and residential care facilities.....	3.9	3.7	4.8	3.4	3.4	1.6	0.2	1.6	2.4	2.1	1.6	2.5	2.2
Social assistance.....	14.0	4.1	5.4	-2.0	2.7	6.2	4.9	5.0	1.8	8.9	4.3	6.6	6.6
Arts, entertainment, recreation, accommodation, and food services	6.4	1.9	3.8	-1.6	3.7	4.4	4.0	3.5	3.4	3.1	4.0	3.0	4.5
Arts, entertainment, and recreation	8.6	5.4	8.3	0.0	9.1	7.6	5.3	8.6	5.5	4.3	2.2	2.2	2.4
Performing arts, spectator sports, museums, and related activities.....	5.4	0.8	12.0	1.1	7.0	11.3	5.3	7.6	5.8	2.3	2.9	0.4	1.2
Amusements, gambling, and recreation industries.....	11.2	9.1	5.5	-0.8	10.8	4.8	5.3	9.5	5.2	5.9	1.6	3.7	3.3
Accommodation and food services	6.0	1.2	2.8	-1.9	2.4	3.6	3.6	2.1	2.8	2.8	4.5	3.2	5.2
Accommodation.....	4.1	0.7	1.6	-2.9	6.2	2.0	4.8	4.5	5.3	0.4	1.8	3.0	7.8
Food services and drinking places.....	6.6	1.4	3.2	-1.6	1.2	4.2	3.2	1.3	2.0	3.7	5.5	3.3	4.2
Other services, except government	6.3	4.4	2.3	-3.7	6.3	1.6	4.4	3.0	1.9	0.2	6.4	1.7	3.9
Government	1.8	2.4	2.5	1.2	0.7	0.6	1.2	0.6	0.8	1.9	2.1	3.0	2.3
Federal	-0.1	1.6	2.0	-0.3	-1.7	-2.9	-1.7	-3.1	-1.2	0.1	-1.4	1.5	1.8
General government.....	-0.1	1.4	1.6	0.4	-2.2	-3.5	-2.5	-3.4	-1.8	-0.3	-1.9	1.3	1.5
Government enterprises.....	0.2	2.9	5.3	-5.6	1.9	1.5	3.8	-1.5	2.6	2.3	1.7	3.2	3.3
State and local	3.2	3.0	2.8	2.1	2.3	2.7	2.9	2.7	1.9	2.9	3.8	3.7	

Table 10. Percent Changes in Chain-Type Price Indexes for Gross Output by Industry, 1988–2000

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All industries	3.5	3.9	3.6	2.3	1.9	2.3	1.9	2.8	1.7	1.1	-0.3	1.1	2.8
Private industries	3.4	3.9	3.5	2.0	1.7	2.2	1.8	2.7	1.6	1.0	-0.5	0.9	2.7
Agriculture, forestry, fishing, and hunting	9.2	5.3	0.9	-3.4	0.8	5.1	-0.1	1.2	7.7	-3.7	-5.3	-4.9	0.5
Farms.....	9.0	5.5	0.3	-3.9	-1.1	2.2	-0.8	1.4	10.2	-5.0	-5.9	-5.9	1.0
Forestry, fishing, and related activities.....	10.3	4.6	3.9	-0.9	9.5	17.5	2.5	0.8	-1.8	2.2	-2.3	-0.8	-1.3
Mining	-4.9	7.9	9.6	-7.4	-2.3	0.1	-3.0	1.6	16.4	1.4	-13.6	9.0	36.1
Oil and gas extraction.....	-10.7	12.8	17.8	-12.4	-1.6	-2.3	-7.2	0.0	33.3	-0.2	-25.7	23.6	67.8
Mining, except oil and gas.....	1.1	1.9	-0.6	-3.0	-1.7	-4.4	2.1	2.2	-2.4	-1.0	-4.8	-3.7	0.1
Support activities for mining.....	9.6	4.8	4.2	5.7	-7.5	4.1	1.7	6.8	5.7	14.8	12.4	-3.6	4.2
Utilities	-0.4	1.8	1.8	1.7	2.0	2.7	0.3	-0.1	3.0	1.3	-1.4	-0.1	6.1
Construction	3.4	3.2	2.8	1.4	0.8	3.4	3.5	3.9	2.4	3.1	3.3	3.9	4.4
Manufacturing	3.8	4.1	2.5	0.3	0.4	0.7	1.1	2.6	-0.2	-0.9	-3.0	-0.7	2.1
Durable goods.....	3.0	2.9	0.9	0.9	0.6	0.8	1.3	0.2	-2.3	-1.6	-3.4	-2.5	-1.7
Wood products.....	3.1	5.2	0.2	1.9	9.8	15.8	4.1	-1.3	-0.2	3.7	-1.4	3.1	-2.4
Nonmetallic mineral products.....	1.0	1.9	1.4	1.7	0.4	2.2	3.6	4.0	1.5	1.4	1.4	2.6	1.4
Primary metals.....	13.4	4.4	-2.9	-4.7	-1.7	-1.1	6.3	10.9	-4.2	0.8	-3.2	-4.9	4.1
Fabricated metal products.....	4.8	5.0	2.6	1.6	0.4	0.7	1.7	3.9	1.3	1.2	1.0	0.5	0.9
Machinery.....	2.9	4.2	3.5	2.9	1.9	1.8	1.7	2.3	2.0	1.3	0.7	1.0	0.7
Computer and electronic products.....	-0.9	-1.4	-3.8	-2.6	-4.8	-4.8	-4.6	-10.8	-13.1	-10.5	-15.1	-12.9	-11.2
Electrical equipment, appliances, and components.....	4.7	5.2	2.0	0.9	0.5	0.8	1.7	2.9	0.7	0.2	-0.3	-0.5	1.2
Motor vehicles, bodies and trailers, and parts.....	1.7	2.8	1.7	2.8	2.3	2.2	2.3	1.2	0.9	-0.6	-1.0	0.2	0.3
Other transportation equipment.....	0.7	3.4	3.9	3.8	3.6	2.1	2.2	2.6	1.6	0.9	0.6	0.8	2.6
Furniture and related products.....	4.6	3.8	2.8	2.2	1.4	2.2	3.1	2.9	2.2	1.3	1.2	1.2	1.6
Miscellaneous manufacturing.....	2.9	3.5	3.2	2.6	2.4	2.2	1.7	1.7	1.5	0.7	0.6	0.8	0.8
Nondurable goods.....	4.8	5.5	4.3	-0.2	0.2	0.6	0.8	5.5	2.4	0.0	-2.5	1.8	7.4
Food and beverage and tobacco products.....	4.6	5.5	3.9	1.0	1.0	1.0	0.0	1.2	4.7	0.8	-1.1	1.9	1.9
Textile and textile product mills.....	4.0	2.1	2.2	0.9	0.8	-0.3	0.0	2.7	1.6	0.5	-0.1	-2.2	-0.1
Apparel and leather and allied products.....	3.6	2.7	3.0	1.9	1.8	1.1	0.8	1.2	1.2	1.0	0.2	0.2	0.5
Paper products.....	9.2	5.8	0.0	-2.2	-1.5	-0.7	2.6	22.4	-6.1	-4.0	2.2	0.3	7.8
Printing and related support activities.....	3.7	4.3	2.2	1.4	0.9	2.7	1.5	6.7	2.3	0.1	1.6	0.8	2.3
Petroleum and coal products.....	-3.8	11.8	20.7	-9.7	-3.5	-3.5	-3.2	3.5	13.0	-1.9	-21.5	14.2	46.2
Chemical products.....	8.2	5.6	1.5	2.7	1.1	2.0	2.9	6.7	0.4	1.0	-0.4	0.2	5.5
Plastics and rubber products.....	5.4	2.1	0.6	0.8	-0.5	0.9	1.4	5.6	-0.5	-0.3	-0.7	0.2	2.3
Wholesale trade	4.4	2.5	4.8	0.7	-2.3	2.4	3.3	3.7	-1.0	-2.4	-4.6	1.0	2.6
Retail trade	-1.4	2.6	1.7	2.4	0.9	2.5	1.3	1.0	-1.5	-1.2	-0.1	0.8	0.8
Transportation and warehousing	2.0	1.8	2.6	0.5	0.2	1.9	0.7	1.5	0.9	2.2	1.1	1.6	3.8
Air transportation.....	5.6	0.2	0.3	3.8	-1.5	3.8	-1.8	0.9	-2.1	3.4	0.0	-0.3	3.9
Rail transportation.....	0.0	-1.3	-0.3	-2.2	-0.6	1.0	0.9	-0.1	-0.1	0.7	1.3	-0.1	1.5
Water transportation.....	3.0	0.3	0.7	3.2	-0.9	0.5	0.3	3.0	0.7	0.5	1.3	4.6	4.0
Truck transportation.....	0.3	3.7	4.5	-1.7	-0.1	1.6	1.4	1.7	0.6	2.4	2.0	2.5	4.6
Transit and ground passenger transportation.....	7.2	0.0	3.4	6.7	3.5	-0.5	-0.8	3.2	4.9	0.8	0.6	1.5	3.9
Pipeline transportation.....	-1.7	1.3	1.2	-1.9	2.2	4.5	2.6	-3.1	7.4	3.3	-3.5	-0.8	4.1
Other transportation and support activities.....	1.6	3.6	4.0	1.1	1.8	1.3	2.1	3.4	2.4	2.1	1.8	2.1	3.6
Warehousing and storage.....	0.3	3.7	4.5	-1.7	-0.1	1.6	0.7	1.7	0.6	1.0	1.3	2.8	2.0
Information	1.9	1.9	2.5	2.4	1.0	1.5	1.6	1.4	1.4	1.0	-0.5	-0.5	0.4
Publishing industries (includes software).....	3.6	2.1	2.5	4.0	-0.4	1.7	0.4	1.8	1.4	-0.7	-0.6	1.1	1.9
Motion picture and sound recording industries.....	4.4	6.3	5.8	4.9	1.6	1.7	3.2	3.5	4.5	3.2	1.8	5.4	5.3
Broadcasting and telecommunications.....	0.6	1.0	1.9	1.3	0.9	1.4	1.9	0.4	0.2	1.1	-1.2	-2.1	-0.8
Information and data processing services.....	3.7	3.1	4.3	2.2	6.8	2.0	1.4	4.8	6.8	3.6	3.1	0.5	0.1
Finance, insurance, real estate, rental, and leasing	3.9	4.4	4.4	4.0	4.0	2.6	2.2	3.6	3.3	3.2	1.1	0.9	1.4
Finance and insurance	3.7	4.9	4.5	5.6	7.0	2.8	2.1	4.8	4.3	3.8	-0.3	-1.2	-0.8
Federal Reserve banks, credit intermediation, and related activities.....	3.3	1.9	3.1	8.2	7.9	0.9	3.1	5.3	5.1	6.4	3.7	1.9	4.2
Securities, commodity contracts, and investments.....	-0.9	2.3	1.2	1.2	6.5	-0.1	-6.1	0.7	-0.2	-3.1	-12.0	-12.2	-12.9
Insurance carriers and related activities.....	6.2	9.3	7.1	4.8	6.4	6.0	4.9	6.4	5.9	5.5	2.0	2.0	2.6
Funds, trusts, and other financial vehicles.....	0.3	2.8	2.1	2.1	6.0	0.7	-4.0	1.6	0.6	-1.6	1.7	3.7	-0.5
Real estate and rental and leasing	3.9	4.1	4.4	3.0	2.2	2.6	2.3	2.8	2.7	2.7	2.1	2.5	3.3
Real estate.....	4.1	4.1	4.5	3.1	2.4	2.6	2.5	2.9	2.9	2.9	2.6	2.7	3.2
Rental and leasing services and lessors of intangible assets.....	2.2	4.1	3.2	2.2	0.5	2.2	1.2	1.8	0.3	1.3	-2.1	1.1	4.5
Professional and business services	4.7	3.9	4.6	4.3	4.1	3.0	2.6	3.5	2.4	3.1	2.5	2.6	3.2
Professional, scientific, and technical services	5.0	4.3	4.9	4.5	4.0	2.9	2.7	3.9	2.9	3.5	0.8	1.6	1.6
Legal services.....	4.1	5.8	7.2	5.8	4.7	4.3	3.3	3.1	3.4	4.0	3.7	2.5	3.5
Computer systems design and related services.....	3.9	1.3	2.9	3.3	1.4	2.1	1.8	3.9	2.5	3.6	-1.8	2.0	3.3
Miscellaneous professional, scientific, and technical services.....	5.5	4.1	4.3	4.1	4.1	2.5	2.6	4.2	2.8	3.4	0.6	1.2	0.6
Management of companies and enterprises	3.6	3.3	3.2	4.8	4.6	4.4	3.4	4.0	1.4	2.2	6.6	5.2	6.1
Administrative and waste management services	5.0	3.6	4.9	3.4	3.8	2.2	2.0	2.3	2.2	2.9	3.2	3.2	4.9
Administrative and support services.....	4.9	3.4	4.8	3.6	3.9	2.0	1.8	2.3	2.2	2.9	3.5	3.4	5.1
Waste management and remediation services.....	5.0	4.5	5.3	2.2	2.9	3.4	3.0	2.4	2.2	2.6	0.9	2.0	3.1
Educational services, health care, and social assistance	6.3	6.3	6.1	5.6	4.8	3.9	3.6	3.2	2.5	2.4	2.7	2.6	3.3
Educational services	5.2	4.9	4.9	4.3	3.2	2.6	3.0	2.8	3.4	3.0	3.2	3.7	4.4
Health care and social assistance	6.5	6.5	6.3	5.8	5.0	4.1	3.7	3.3	2.3	2.4	2.7	2.5	3.2
Ambulatory health care services.....	6.6	6.4	6.5	5.8	5.5	4.7	4.6	3.5	1.6	2.4	2.3	2.1	2.4
Hospitals and nursing and residential care facilities.....	6.6	6.9	6.3	6.0	4.7	3.8	3.1	3.1	3.0	2.2	2.9	2.7	3.7
Social assistance.....	4.7	4.9	5.1	4.8	4.3	2.0	2.2	3.0	2.8	2.8	3.2	3.1	4.5
Arts, entertainment, recreation, accommodation, and food services	4.4	4.5	4.5	4.2	2.2	2.2	2.0	2.4	2.6	3.5	1.4	2.4	3.2
Arts, entertainment, and recreation	3.7	4.6	4.9	4.5	2.5	2.4	2.7	3.1	3.4	2.9	2.4	3.9	4.2
Performing arts, spectator sports, museums, and related activities.....	5.5	5.2	5.5	4.9	1.9	1.8	3.0	3.4	4.3	3.0	2.5	5.4	5.3
Amusements, gambling, and recreation industries.....	2.3	4.1	4.4	4.2	3.0	-2.9	2.4	2.9	2.7	2.8	2.4	2.8	3.3
Accommodation and food services	4.6	4.5	4.4	4.2	2.1	2.1	1.8	2.1	2.3	3.7	1.1	2.0	2.9
Accommodation.....	5.6	4.5	3.6	4.9	2.2	2.8	2.5	2.0	2.0	6.4	4.0	3.2	3.3
Food services and drinking places.....	4.2	4.5	4.6	4.0	2.1	1.9	1.6	2.2	2.5	2.8	0.1	1.5	2.7
Other services, except government	4.2	3.8	3.6	3.5	3.3	3.0	2.0	3.1	3.0	3.0	2.4	3.0	3.8
Government	3.6	3.9	4.6	4.7	3.4	3.0	2.7	3.0	2.6	2.0	1.5	2.8	4.0
Federal	3.2	3.0	3.2	5.5	3.3	2.5	2.4	3.6	2.9	2.0	1.2	2.7	3.3
General government.....	2.6	3.0	3.6	4.4	3.5	2.8	2.7	2.9	3.3	2.3	1.4	2.8	3.7
Government enterprises.....	8.5	3.3	0.7	13.9	1.7	0.5	0.3	8.4	0.2	0.0	0.0	1.8	0.5
State and local	3.8	4.5	5.5	4.2	3.4	3.2	2.9	2.7	2.5	2.1	1.7	2.8	4.4
General government.....	3.8	4.4	5.5										

Table 11. Percent Changes in Chain-Type Quantity Indexes for Intermediate Inputs by Industry, 1988–2000

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All industries	5.1	1.4	1.8	-1.6	3.3	4.1	5.3	5.1	4.6	5.9	6.5	6.0	5.7
Private industries	5.5	1.3	1.7	-2.0	3.5	4.4	5.6	5.4	4.9	6.2	6.7	5.9	5.9
Agriculture, forestry, fishing, and hunting	1.1	0.3	2.4	-0.1	1.9	4.6	2.4	4.5	-3.7	1.9	2.8	1.3	-5.3
Farms.....	0.3	1.3	3.2	1.2	-0.8	4.8	2.6	6.1	-4.4	4.0	2.9	0.5	-4.4
Forestry, fishing, and related activities.....	5.1	-4.1	-1.4	-6.3	16.4	4.0	1.7	-2.3	-0.7	-7.7	2.3	5.4	-9.9
Mining	-1.4	-0.1	7.4	-0.4	0.2	-2.3	-6.0	-4.8	12.7	5.2	-4.0	-8.8	16.4
Oil and gas extraction.....	-13.8	-1.2	7.0	3.6	5.6	-1.2	-12.6	-8.5	21.9	-0.9	-6.7	-6.5	24.2
Mining, except oil and gas.....	14.6	1.9	5.2	-4.8	-1.4	-8.5	5.2	-0.3	-2.2	0.4	-7.6	-12.0	-5.8
Support activities for mining.....	12.2	-3.8	20.4	-2.1	-21.1	20.4	-11.1	-4.7	31.3	51.6	11.5	-8.7	30.4
Utilities	17.9	-4.2	-8.0	8.5	4.8	4.9	-5.2	-7.1	0.8	10.5	7.0	-13.8	6.4
Construction	-4.4	-3.3	-3.0	-9.2	7.9	4.6	4.9	3.3	10.0	5.4	5.2	8.2	6.3
Manufacturing	4.5	1.3	0.1	-2.2	4.4	3.1	5.4	5.0	3.3	7.5	4.0	4.0	-0.2
Durable goods.....	5.3	0.7	-0.4	-4.7	7.4	5.9	8.4	7.4	6.8	9.7	5.3	6.9	-1.0
Wood products.....	-2.2	-3.7	-1.3	-6.7	12.2	5.9	7.2	-0.6	6.5	7.6	5.5	4.7	-3.2
Nonmetallic mineral products.....	0.6	-5.4	-2.7	-7.5	-2.7	4.6	-0.2	4.0	13.0	-4.7	10.2	-0.1	-1.4
Primary metals.....	12.2	-2.1	-1.4	-6.6	2.3	3.7	6.2	2.9	2.6	3.2	3.6	-4.2	-6.2
Fabricated metal products.....	2.7	-0.6	1.0	-1.5	3.7	2.9	3.5	5.8	4.6	6.3	6.3	0.9	1.1
Machinery.....	3.8	4.6	-2.8	-1.8	0.8	12.5	12.2	8.5	6.8	5.4	-2.7	2.5	5.3
Computer and electronic products.....	6.1	1.3	7.3	1.5	12.8	7.8	14.6	24.9	18.1	17.4	1.8	16.7	11.8
Electrical equipment, appliances, and components.....	0.4	-1.2	-2.8	-6.9	11.9	8.3	6.8	6.0	8.1	3.4	10.3	-2.5	4.2
Motor vehicles, bodies and trailers, and parts.....	4.6	3.6	-7.4	-7.3	11.0	9.7	13.1	4.6	1.8	10.9	5.1	17.3	-8.6
Other transportation equipment.....	15.1	-0.2	7.4	-11.8	7.7	-8.6	-3.4	-6.6	2.4	21.1	19.3	-5.0	-17.0
Furniture and related products.....	0.3	-0.3	0.7	-8.4	7.2	0.9	6.4	2.3	1.9	13.8	10.8	2.0	-0.1
Miscellaneous manufacturing.....	0.4	-1.0	2.0	0.8	5.6	9.0	-0.1	3.3	1.3	4.0	9.4	1.4	1.1
Nondurable goods.....	3.8	1.9	0.5	0.2	1.7	0.3	2.2	-2.4	-0.5	5.1	2.4	0.5	0.7
Food and beverage and tobacco products.....	3.3	3.3	-0.5	2.3	2.1	1.0	0.6	-0.6	0.5	5.6	5.9	-1.1	2.2
Textile and textile product mills.....	-1.4	0.8	-5.7	-1.2	4.1	5.9	6.4	-1.3	-1.1	4.2	-0.3	1.2	-4.2
Apparel and leather and allied products.....	-1.8	-8.5	-1.8	-1.1	6.0	2.6	1.6	-1.2	0.6	4.9	-6.1	-1.2	-10.0
Paper products.....	4.8	3.8	-0.1	-1.0	1.5	-3.8	5.1	10.6	-6.8	-0.1	4.0	1.1	0.6
Printing and related support activities.....	0.6	-2.3	5.7	-3.9	4.8	3.9	-2.2	4.0	2.4	5.8	1.6	1.0	-1.6
Petroleum and coal products.....	1.2	3.0	6.7	1.5	-4.8	-5.5	4.3	5.5	-2.2	3.2	-5.9	6.0	2.8
Chemical products.....	8.4	2.7	-2.4	-0.2	1.7	0.2	0.4	2.9	0.4	7.7	2.4	-1.6	1.3
Plastics and rubber products.....	6.7	-0.2	5.9	-4.3	6.8	4.4	7.9	3.9	1.1	4.8	4.8	5.2	-0.9
Wholesale trade	4.3	0.1	10.3	-6.5	0.1	10.4	6.1	18.3	-4.4	0.7	-3.5	6.7	12.1
Retail trade	-0.4	0.5	3.5	-2.3	2.0	7.2	8.6	5.0	0.7	-2.2	6.3	12.2	7.4
Transportation and warehousing	12.4	4.3	3.0	-2.6	4.5	1.9	4.4	4.0	4.5	4.2	6.5	2.4	-1.5
Air transportation.....	10.9	0.7	-3.1	-0.9	-2.3	1.4	-0.6	3.3	-1.0	5.3	3.4	-0.2	-0.9
Rail transportation.....	6.6	35.7	-0.9	-18.4	11.3	-1.5	4.1	8.0	4.3	10.8	-3.4	-6.4	-5.0
Water transportation.....	8.0	-3.3	0.1	-3.8	-0.8	3.0	-0.6	7.3	6.3	0.1	2.9	9.8	-2.6
Truck transportation.....	14.7	6.0	12.0	-2.1	9.7	2.1	9.4	3.2	7.0	4.5	10.7	9.0	3.8
Transit and ground passenger transportation.....	9.4	0.5	-0.7	8.3	-2.5	-0.4	2.1	-0.1	-0.1	-5.6	7.0	-7.7	-11.4
Pipeline transportation.....	10.9	-6.1	-8.6	2.0	6.1	5.9	4.3	-5.9	4.2	4.2	8.1	-3.9	-17.0
Other transportation and support activities.....	21.7	6.4	9.1	-3.6	6.9	1.9	4.2	10.0	9.1	2.8	3.1	-1.3	-2.9
Warehousing and storage.....	14.2	5.1	11.2	-6.0	9.1	5.8	9.9	15.3	5.8	9.1	19.3	-12.0	-10.8
Information	6.7	-1.1	2.0	0.9	2.6	5.3	7.9	13.7	12.1	16.0	17.9	12.2	17.0
Publishing industries (includes software).....	7.8	-1.3	6.0	1.0	0.7	11.9	3.5	13.2	7.6	13.7	13.2	-1.1	14.6
Motion picture and sound recording industries.....	10.6	-3.2	7.9	5.4	3.6	6.6	14.7	4.2	9.1	2.7	7.9	1.9	-0.4
Broadcasting and telecommunications.....	3.9	-1.8	-2.4	-1.2	3.2	-0.2	7.7	15.8	15.4	22.2	23.3	19.2	16.6
Information and data processing services.....	29.1	15.3	11.3	9.3	5.0	15.4	18.7	20.8	15.2	6.9	14.6	33.3	53.7
Finance, insurance, real estate, rental, and leasing	6.8	2.6	3.4	-3.5	-1.9	6.1	8.1	1.8	8.3	4.0	9.2	10.1	13.5
Finance and insurance	-1.2	0.5	-4.1	-4.2	-2.5	10.5	8.5	4.2	7.4	6.0	14.1	20.4	16.5
Federal Reserve banks, credit intermediation, and related activities.....	7.6	-8.4	-8.4	-10.5	-3.8	20.2	27.1	6.3	17.9	6.9	8.5	8.8	14.5
Securities, commodity contracts, and investments.....	-30.6	52.3	-16.4	46.3	2.1	11.7	7.6	49.1	18.1	28.3	28.6	58.7	35.5
Insurance carriers and related activities.....	-0.2	0.7	-1.3	-5.4	-2.6	3.8	1.2	-7.8	-3.9	-7.2	9.5	11.8	0.9
Funds, trusts, and other financial vehicles.....	-9.0	2.6	3.8	-11.8	-2.8	16.0	-6.1	7.2	3.8	19.2	26.1	21.3	32.1
Real estate and rental and leasing	16.9	4.8	11.2	-2.8	-1.4	2.1	7.8	-0.6	9.3	2.0	4.1	-1.0	9.6
Real estate.....	16.1	4.8	12.1	-2.5	-1.9	1.3	7.3	-1.5	9.1	1.6	0.6	-3.7	8.5
Rental and leasing services and lessors of intangible assets.....	23.3	5.1	5.3	-4.9	1.8	7.7	11.4	6.0	10.5	4.6	25.7	12.6	14.3
Professional and business services	10.2	7.3	3.8	2.2	2.6	6.5	8.9	12.1	12.4	11.4	18.2	10.1	14.4
Professional, scientific, and technical services	9.8	9.1	1.9	4.0	1.8	6.5	8.3	14.5	16.4	13.6	21.6	13.5	13.4
Legal services.....	-0.6	9.6	6.2	-2.7	6.3	5.6	2.9	-5.8	11.6	11.8	10.5	7.3	-4.3
Computer systems design and related services.....	19.0	22.6	14.0	25.5	-2.0	30.4	29.9	33.0	29.3	33.1	53.8	28.0	6.9
Miscellaneous professional, scientific, and technical services.....	12.8	8.2	-0.1	4.7	0.8	5.1	8.1	18.6	16.1	11.7	19.9	12.4	18.4
Management of companies and enterprises	0.2	2.3	3.5	-1.3	2.9	6.4	6.4	6.6	5.7	6.2	6.6	0.9	8.5
Administrative and waste management services	25.5	9.6	7.9	2.5	3.6	6.7	12.5	13.0	11.2	11.6	21.4	10.4	20.1
Administrative and support services.....	27.9	11.1	8.3	4.0	1.8	7.6	14.7	16.0	12.7	13.6	22.9	12.4	24.0
Waste management and remediation services.....	18.9	5.4	6.9	-2.1	9.6	4.1	5.6	2.5	5.3	3.3	14.4	0.7	-0.8
Educational services, health care, and social assistance	17.6	2.3	7.1	3.2	7.2	4.2	3.1	5.9	6.5	6.0	7.2	4.4	4.6
Educational services	15.0	6.5	6.3	-0.7	3.6	2.8	2.7	4.8	8.6	-0.1	6.5	4.9	6.4
Health care and social assistance	18.1	1.6	7.3	4.0	7.9	4.4	3.2	6.1	6.2	7.0	7.4	4.3	4.3
Ambulatory health care services.....	30.2	-3.6	7.1	5.0	14.8	7.4	4.9	12.7	8.0	10.4	13.3	2.7	2.9
Hospitals and nursing and residential care facilities.....	10.8	5.0	6.8	5.8	5.9	3.8	1.7	2.1	5.3	4.7	3.4	4.9	4.6
Social assistance.....	29.6	-2.0	10.4	-8.2	-1.1	-2.8	6.6	7.8	4.6	7.4	6.5	8.4	8.3
Arts, entertainment, recreation, accommodation, and food services	9.2	0.4	4.8	-0.6	3.3	7.4	5.9	3.3	2.9	2.1	4.5	2.2	6.0
Arts, entertainment, and recreation	18.3	-2.2	4.3	-0.4	4.2	27.0	15.3	11.7	9.4	-0.3	4.6	-0.1	4.7
Performing arts, spectator sports, museums, and related activities.....	14.3	-10.1	11.2	2.3	2.7	27.1	16.8	10.0	10.1	-1.7	4.2	-1.8	3.7
Amusements, gambling, and recreation industries.....	21.7	4.1	-0.6	-2.5	5.4	26.9	14.2	13.1	8.9	0.9	4.8	1.3	5.4
Accommodation and food services	7.9	0.8	4.9	-0.6	3.1	4.2	4.0	1.5	1.3	2.8	4.5	2.8	6.4
Accommodation.....	15.7	-2.5	1.0	-5.0	7.8	-0.4	5.5	0.7	2.0	-1.7	7.4	1.1	15.7
Food services and drinking places.....	6.1	1.7	5.9	0.4	2.0	5.3	3.7	1.6	1.2	3.8	3.9	3.2	4.3
Other services, except government	7.0	5.6	2.3	-4.3	13.3	0.0	5.6	5.5	5.3	0.2	11.5	6.0	9.0
Government	0.7	2.4	2.5	2.5	1.2	1.8	2.9	2.0	1.3	3.3	3.9	6.5	2.9
Federal	-1.5	1.8	2.2	-0.8	-3.5	-4.1	-1.7	-0.9	0.1	1.2	-2.8	5.8	2.2
General government.....	-2.1	1.8	1.3	0.1	-2.3	-6.1	-1.1	-2.8	-0.2	2.5	-3.0	4.9	2.6
Government enterprises.....	7.1	2.5	13.3	-11.2	-18.8	26.3	9.0	21.9	3.1	-10.9	-0.3	15.9	

Table 12. Percent Changes in Chain-Type Price Indexes for Intermediate Inputs by Industry, 1988–2000

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All industries	3.7	3.9	3.2	0.9	1.3	1.7	1.7	3.2	1.6	0.5	-1.6	0.7	3.7
Private industries	3.9	4.0	3.1	0.8	1.3	1.7	1.7	3.2	1.5	0.4	-1.8	0.6	3.5
Agriculture, forestry, fishing, and hunting	7.8	5.3	2.3	0.7	0.5	4.0	1.5	0.7	5.0	2.5	-5.2	-0.7	5.2
Farms.....	7.7	5.2	2.0	0.6	-0.5	2.5	1.2	0.3	6.1	2.8	-5.6	-0.6	6.4
Forestry, fishing, and related activities.....	8.4	6.2	4.0	1.0	5.4	10.7	2.8	2.2	0.2	1.5	-3.1	-0.9	-0.8
Mining	-0.4	5.8	6.0	-2.0	0.0	0.6	0.3	3.1	5.7	0.5	-7.3	6.4	22.2
Oil and gas extraction.....	-3.5	8.3	9.3	-4.1	-0.4	0.8	-0.9	3.1	9.7	0.1	-13.6	12.7	38.7
Mining, except oil and gas.....	3.0	3.4	2.5	-0.3	0.1	-0.1	1.6	2.9	1.5	0.7	-2.0	0.3	4.2
Support activities for mining.....	3.6	4.1	4.3	2.0	1.8	2.1	2.1	3.8	2.3	1.7	0.8	2.2	5.1
Utilities	-4.0	6.0	7.3	-4.3	0.3	-0.1	-1.1	1.3	10.3	-0.8	-5.8	3.2	23.7
Construction	3.9	3.8	2.9	1.5	1.9	2.7	2.3	3.0	1.5	1.1	0.1	1.7	2.1
Manufacturing	4.6	4.0	2.1	-0.8	0.2	1.0	1.7	3.6	0.2	-1.3	-3.7	0.1	4.6
Durable goods.....	5.4	2.9	0.7	-0.1	0.0	0.9	1.9	2.4	-2.6	-1.5	-2.7	-1.5	0.7
Wood products.....	5.7	5.7	3.1	1.1	6.4	11.6	2.9	0.7	-0.4	1.8	-3.2	1.3	-1.3
Nonmetallic mineral products.....	3.1	3.1	2.4	0.9	0.7	1.7	2.2	3.3	0.8	0.9	0.0	1.2	2.6
Primary metals.....	11.5	4.1	-1.7	-3.0	-0.9	-0.9	5.2	8.6	-3.0	0.7	-4.9	-3.1	5.2
Fabricated metal products.....	8.0	3.6	0.5	-0.8	-0.3	0.6	3.5	5.6	-1.2	0.5	-1.0	-1.4	2.9
Machinery.....	5.3	3.5	2.2	1.0	0.5	1.2	2.3	3.6	-0.6	-0.2	-0.4	-0.3	1.6
Computer and electronic products.....	2.8	-0.1	-3.1	-2.4	-3.5	-1.9	-1.5	-4.0	-9.2	-7.2	-7.3	-4.7	-3.3
Electrical equipment, appliances, and components.....	6.5	3.6	1.6	0.2	0.2	0.8	3.0	5.0	-2.2	-0.7	-2.2	-0.8	2.3
Motor vehicles, bodies and trailers, and parts.....	4.4	3.0	1.9	1.1	0.5	1.0	1.9	2.7	-0.4	-0.5	-1.2	-0.8	0.7
Other transportation equipment.....	3.3	3.2	2.8	2.3	1.8	1.6	2.1	2.5	-0.4	-0.3	-0.9	-0.2	1.2
Furniture and related products.....	4.4	3.6	2.0	1.1	1.8	3.5	2.3	3.0	0.1	0.7	-0.9	0.5	1.4
Miscellaneous manufacturing.....	5.8	3.3	1.9	0.8	0.7	1.4	2.6	4.6	-1.0	-0.2	-1.1	0.0	2.3
Nondurable goods.....	3.9	5.1	3.5	-1.4	0.4	1.2	1.4	4.9	3.5	-1.0	-5.0	2.0	9.6
Food and beverage and tobacco products.....	5.3	4.9	1.9	-0.9	1.1	1.4	2.1	2.6	4.7	-1.4	-2.8	-1.1	2.3
Textile and textile product mills.....	7.0	2.7	1.0	0.4	0.3	0.8	1.7	5.3	0.0	-0.1	-1.5	-3.2	1.4
Apparel and leather and allied products.....	4.4	2.8	3.0	1.4	1.4	0.8	0.8	2.9	0.6	0.3	-0.6	-1.2	1.6
Paper products.....	6.9	4.5	1.2	-0.8	0.0	2.1	2.3	11.0	-2.8	-1.2	-0.6	-0.7	5.4
Printing and related support activities.....	6.4	4.4	1.6	-0.5	-0.5	0.8	2.0	11.7	-2.7	-1.7	0.3	-0.2	3.8
Petroleum and coal products.....	-7.5	10.9	13.6	-8.9	-1.1	-0.7	-3.2	2.8	18.9	-3.4	-24.8	23.6	45.7
Chemical products.....	5.1	4.5	2.8	1.2	0.7	1.8	2.4	5.1	1.1	0.3	-2.7	1.9	9.1
Plastics and rubber products.....	7.2	3.1	0.5	0.3	-0.1	1.5	2.3	6.7	-1.5	0.1	-2.4	0.1	5.3
Wholesale trade	3.5	3.3	3.4	2.3	1.9	2.0	2.1	3.0	0.7	0.7	0.1	0.5	1.9
Retail trade	3.7	3.7	3.6	2.8	2.4	2.3	2.4	3.6	1.7	1.7	1.4	1.8	3.0
Transportation and warehousing	1.5	4.4	6.4	0.4	1.2	1.0	1.0	2.6	2.9	1.2	-2.4	2.5	8.4
Air transportation.....	1.9	4.2	7.8	0.8	1.2	0.1	0.5	2.0	3.4	1.2	-3.9	4.6	14.1
Rail transportation.....	1.7	4.0	5.3	0.0	1.4	1.4	1.3	2.6	1.9	0.9	-0.8	1.2	2.9
Water transportation.....	3.3	3.1	4.7	3.2	2.6	1.2	1.7	2.9	2.4	1.6	-0.5	1.3	7.9
Truck transportation.....	1.7	4.5	5.6	0.1	0.9	1.4	1.4	2.8	2.0	1.1	-1.5	2.0	6.5
Transit and ground passenger transportation.....	2.1	4.8	6.4	0.0	0.5	0.9	1.2	3.2	2.7	0.7	-2.5	1.8	5.9
Pipeline transportation.....	-3.6	7.6	9.2	-4.2	0.7	0.7	-0.7	-2.9	7.8	0.4	-6.9	4.1	15.2
Other transportation and support activities.....	2.6	3.7	5.6	1.9	1.8	1.1	1.2	2.8	2.6	1.5	-1.6	1.7	6.9
Warehousing and storage.....	3.2	3.8	4.4	2.3	2.2	2.0	1.9	3.0	2.6	1.8	-0.3	2.0	5.3
Information	3.4	3.0	2.7	2.2	1.1	1.2	1.6	2.7	0.7	0.9	-0.5	0.0	1.2
Publishing industries (includes software).....	4.0	3.3	2.3	1.3	0.4	1.2	1.4	4.7	0.0	0.2	0.0	0.1	1.7
Motion picture and sound recording industries.....	4.2	5.0	4.8	3.7	1.6	1.8	2.7	3.4	2.8	2.1	1.4	3.5	4.0
Broadcasting and telecommunications.....	2.9	2.6	2.7	2.6	1.6	1.2	1.6	1.6	0.9	1.3	-1.3	-0.9	0.5
Information and data processing services.....	2.0	1.4	1.0	0.5	-0.7	-0.6	-0.3	0.2	-1.9	-1.1	-0.2	-0.3	1.1
Finance, insurance, real estate, rental, and leasing	3.5	4.1	4.1	3.5	3.9	2.7	1.8	3.6	2.8	2.6	-0.2	-0.1	0.4
Finance and insurance	3.4	4.4	4.4	3.7	4.8	2.9	1.2	4.0	3.0	2.5	-1.8	-1.8	-1.6
Federal Reserve banks, credit intermediation, and related activities.....	2.9	2.9	2.9	3.4	3.6	1.5	0.5	3.3	1.9	2.0	0.2	-0.3	0.5
Securities, commodity contracts, and investments.....	1.4	2.7	2.9	2.5	4.7	1.0	-1.3	2.4	1.5	0.7	-8.5	-8.7	-6.1
Insurance carriers and related activities.....	4.8	6.2	6.2	4.4	5.1	4.6	3.6	5.5	5.2	5.0	1.6	2.5	1.9
Funds, trusts, and other financial vehicles.....	0.3	2.8	2.1	2.1	6.0	0.7	-4.0	1.6	0.6	-1.6	-7.1	-6.8	-7.5
Real estate and rental and leasing	3.7	3.7	3.8	3.4	3.1	2.6	2.4	3.3	2.6	2.7	1.5	2.0	3.0
Real estate.....	3.8	3.6	3.7	3.6	3.3	2.7	2.5	3.4	2.7	2.8	1.6	2.1	2.8
Rental and leasing services and lessors of intangible assets.....	3.2	3.8	4.3	2.3	2.0	1.9	1.8	3.1	2.1	2.3	0.5	1.4	3.8
Professional and business services	3.9	3.6	3.4	2.5	2.1	2.0	2.1	3.2	1.6	1.6	0.4	1.0	2.0
Professional, scientific, and technical services	4.2	3.4	3.3	2.9	2.3	1.9	1.8	2.9	1.3	1.6	0.3	0.7	1.4
Legal services.....	3.9	3.7	3.9	3.5	2.4	2.2	2.1	3.3	2.0	2.5	1.4	1.0	1.9
Computer systems design and related services.....	2.7	1.6	1.3	1.1	0.4	-0.2	0.2	-0.4	-2.7	-1.8	-2.5	-0.9	0.8
Miscellaneous professional, scientific, and technical services.....	4.4	3.3	3.2	2.9	2.4	2.0	1.9	3.1	1.6	1.9	0.4	0.9	1.4
Management of companies and enterprises	3.8	4.0	3.6	2.4	2.3	2.6	2.8	3.8	1.9	2.1	1.0	1.3	2.0
Administrative and waste management services	3.5	3.6	3.6	1.8	1.7	1.8	1.9	3.1	1.8	1.1	0.0	1.2	3.1
Administrative and support services.....	4.0	3.3	3.0	2.2	1.8	1.8	2.0	3.2	1.4	1.0	0.1	0.9	2.5
Waste management and remediation services.....	2.2	4.4	5.3	0.4	1.3	1.8	1.6	2.5	3.3	1.8	-0.8	3.0	6.6
Educational services, health care, and social assistance	4.1	3.8	3.6	3.0	2.2	2.3	2.1	3.4	1.8	1.5	0.6	1.0	2.2
Educational services	3.8	3.6	3.6	2.6	2.0	2.2	2.0	3.3	2.1	2.0	0.9	1.3	2.4
Health care and social assistance	4.2	3.9	3.6	3.0	2.2	2.3	2.1	3.4	1.7	1.4	0.6	1.0	2.2
Ambulatory health care services.....	4.3	4.1	4.0	3.4	2.4	2.4	2.3	3.6	1.6	1.6	1.1	1.4	2.7
Hospitals and nursing and residential care facilities.....	4.1	3.8	3.5	2.9	2.1	2.3	1.9	3.3	1.6	1.3	0.2	0.6	1.7
Social assistance.....	3.9	3.9	3.7	2.6	2.1	2.2	2.0	3.5	2.3	1.5	0.5	1.4	2.9
Arts, entertainment, recreation, accommodation, and food services	3.9	3.8	3.6	2.1	1.5	2.0	2.2	2.8	2.7	1.5	0.7	1.3	2.9
Arts, entertainment, and recreation	4.1	3.9	4.0	3.2	2.3	2.2	2.4	3.4	2.6	2.3	1.4	2.2	3.2
Performing arts, spectator sports, museums, and related activities.....	4.6	4.3	4.4	3.8	2.4	2.1	2.5	3.5	3.0	2.6	1.5	3.0	3.7
Amusements, gambling, and recreation industries.....	3.7	3.7	3.7	2.8	2.3	2.2	2.3	3.4	2.3	2.0	1.3	1.6	2.8
Accommodation and food services	3.9	3.8	3.5	1.9	1.3	2.0	2.2	2.7	2.7	1.3	0.5	1.0	2.8
Accommodation.....	3.7	3.5	3.7	3.3	2.6	2.3	2.1	2.9	2.2	2.0	1.0	1.6	3.2
Food services and drinking places.....	3.9	3.9	3.4	1.6	1.0	1.9	2.2	2.6	2.8	1.1	0.4	0.9	2.7
Other services, except government	3.6	3.4	3.1	2.2	1.5	1.8	1.8	2.7	0.9	0.8	0.1	0.7	1.8
Government	2.0	3.3	4.7	2.3	1.8	1.9	1.7	2.8	2.7	1.6	-0.2	2.1	5.3
Federal	0.7	1.9	4.4	2.5	1.4	1.7	1.7	2.2	1.7	1.6	0.5	1.6	3.6
General government.....	0.6	1.9	4.3	2.6	1.5	1.8	1.7	2.1	1.7	1.7	0.6	1.6	3.4
Government enterprises.....	1.4	2.8	5.4	0.5	1.0	0.9	1.3	2.9	2.5	1.4	-0.2	1.1	5.6
State and local	3.0	4.4	5.0	2.2	2.1	2.0	1.7	3.2	3.3	1.6	-0.5	2.3	6.1
General government.....	3.5	4.6	5.1	2.6	2.2								