Methodology

The data in this volume cover the operations of establishments of U.S. affiliates of foreign companies in 1997. A U.S. affiliate is a U.S. business enterprise that is owned 10 percent or more, directly or indirectly, by a foreign person.¹

The volume is divided into two parts. The first part (part A) covers all industries and presents data on the number, employment, payroll, and shipments or sales of the establishments of U.S. affiliates (hereinafter referred to as "foreign-owned establishments"); it includes data by detailed industry for nonmanufacturing and totals for manufacturing as a whole. The second part (part M) covers manufacturing establishments and presents these data items as well as additional items, including value added, total compensation of employees, employee benefits, hourly wage rates of production workers, and expenditures for new plant and equipment. In addition to data by industry, both parts present data by State and by country of owner.

The data for this volume were obtained from the Census Bureau's 1997 Economic Census and Standard Statistical Establishment List (SSEL).² They are the result of a project that links Bureau of Economic Analysis (BEA) enterprise, or company, data on foreign direct investment in the United States with the Census

Bureau's establishment data for all U.S. companies.³ The project was authorized by the Foreign Direct Investment and International Financial Data Improvements Act of 1990.

This volume updates data for foreign-owned manufacturing and nonmanufacturing establishments published in Foreign Direct Investment in the United States: Establishment Data for 1992 and Foreign Direct Investment in the United States: Establishment Data for 1987 and data for foreign-owned manufacturing establishments for 1988–91 published in Foreign Direct Investment in the United States: Establishment Data for Manufacturing, in separate volumes for each year. Tables A–F of this methodology compare the 1987, 1992, and 1997 data for selected items for broad industry and country groups and by State.

The establishment data from the link project complement BEA's enterprise data for U.S. affiliates. BEA's enterprise data are needed for analyzing the overall significance of, and trends in, direct investment and for compiling the U.S. international transactions accounts, the international investment position of the United States, and the U.S. national income and product accounts. The data on positions and transactions between U.S. affiliates and their foreign parents used in compiling the national and international accounts exist only at the enterprise level. Analyses of some topics, such as profits and taxes, are meaningful only at that level. Furthermore, balance sheets and income statements containing the critical, nonduplicative financial and operating data needed for examining these topics exist only at the enterprise level.

The establishment data facilitate analyses of the activities and importance of foreign-owned U.S. companies in specific, detailed industries. Each establishment of an enterprise can be classified separately in the establishment data, while BEA's enterprise data classify the entire enterprise, however diversified, in one industry. Furthermore, the level of industry classification can be much more detailed for individual establish-

^{1. &}quot;Person" is broadly defined to include any individual, corporation, branch, partnership, associated group, association, estate, trust, or other organization and any government (including any corporation, institution, or other entity or instrumentality of a government). The data are not adjusted for percentage of foreign ownership. Thus, for example, the employment data shown here include all employees at establishments of each U.S. affiliate, even though the foreign investor may own as little as 10 percent of the affiliate. However, most affiliates are majority owned; according to Bureau of Economic Analysis data, U.S. affiliates that are majority owned (that is, affiliates that are owned more than 50 percent by foreign direct investors) accounted for 82 percent of all employment by U.S. affiliates in 1997.

^{2.} The Census Bureau's 1997 Economic Census covered the following North American Industry Classification System sectors: Mining (21), Utilities (22), Construction (23), Manufacturing (31–33), Wholesale Trade (42), Retail Trade (44–45), Transportation and Warehousing (48–49), Information (51), Finance and Insurance (52), Real Estate and Rental and Leasing (53), Professional, Scientific, and Technical Services (54), Management of Companies and Enterprises (55), Administrative and Support and Waste Management and Remediation Services (56), Educational Services (61), Health Care and Social Assistance (62), Arts, Entertainment and Recreation (71), Accommodation and Food Services (72) and Other Services (except public administration) (81). The census did not cover Agriculture, Forestry, Fishing, and Hunting (11) or Public Administration (92).

^{3.} An establishment is a single physical location where business is conducted or where services or industrial operations are performed. See the section "Definitions."

ments than is appropriate for consolidated enterprises, whose operations may span many narrowly defined industries. As a result, foreign-owned establishments can be classified into over 1,000 industries, while BEA's foreign-owned enterprises are classified into only about 200 industries.

The tables in each part of this volume are organized into four groups. The first group gives an overview of the data by industry, country, and State. The second group presents detailed industry tables for individual States. The third group presents detailed industry tables for selected major investor countries. The fourth group presents selected tables by Standard Industrial Classification (SIC) industry. Some of the tables show

totals for key items of all U.S. establishments and the share of the all-U.S. totals accounted for by foreignowned establishments.⁴

How the Link Was Done

BEA and the Census Bureau exchanged their data in order to identify and obtain data for those U.S. establishments on the SSEL that are foreign-owned. The SSEL is a file of all U.S. companies and their establishments; it includes names, addresses, and other identification information as well as key economic data ob-

Table A. Number of Foreign-Owned Establishments, by Selected SIC Industry, 1987, 1992, and 1997

Industry		lumber of es			Percent change 1987–97	ments a	owned e s a perce establish	ntage of
	1987	1992	1997	Change 1987–97	(annual rate)	1987	1992	1997
All industries	66,878	102,958	105,673	38,795	4.7	1.1	1.7	1.7
Mining	1,299	1,604	1,122	-177	-1.5	3.9	5.2	4.4
Construction	643	1,220	1,241	598	6.8	0.1	0.2	0.2
Manufacturing	8,151	12,781	12,907	4,756	4.7	2.2	3.3	3.4
Food and kindred products	747	1,013	821	74	0.9	3.6	4.9	3.9
Tobacco products	5	6	11	6	8.2	3.6	5.3	10.5
Textile mill products	116	203	222	106	6.7	1.9	3.4	3.6
Apparel and other textile products		118	120	63	7.7	0.2	0.5	0.5
Lumber and wood products	130	152	123	-7	-0.6	0.4	0.4	0.3
Furniture and fixtures	69	108	93	24	3.0	0.6	0.9	0.8
Paper and allied products	273	289	347	74	2.4	4.3	4.5	5.3
Printing and publishing	456	836	915	459	7.2	0.7	1.3	1.5
Chemicals and allied products	1,148	1,635	1,574	426	3.2	9.5	13.6	12.7
Petroleum and coal products	213	360	337	124	4.7	9.5	16.9	15.7
Rubber and miscellaneous plastics products	417	742	839	422	7.2	2.9	4.7	5.0
Leather and leather products	53	27	13	-40	-13.1	2.4	1.3	0.7
Stone, clay, and glass products	849	1,484	1,601	752	6.5	5.2	9.1	9.8
Primary metal industries	311	413	423	112	3.1	4.7	6.4	6.7
Fabricated metal products	401	686	817	416	7.4	1.1	1.9	2.2
Industrial machinery and equipment	675	1,094	1,113	438	5.1	1.3	2.0	2.0
Electronic and other electric equipment	562	812	798	236	3.6	3.5	4.8	4.7
Transportation equipment	163	331	431	268	10.2	1.6	2.9	3.5
Instruments and related products	320	481	479	159	4.1	3.1	4.2	4.1
Miscellaneous manufacturing industries	112	162	120	8	0.7	0.7	1.0	0.7
Administrative and auxiliary	1,074	1,829	1,710	636	4.8	10.8	17.1	n.a.
Transportation, communication, and utilities	2,164	3,905	8,041	5,877	14.0	1.0	1.5	2.7
Wholesale trade	12,789	18,791	18,318	5,529	3.7	2.7	3.7	3.5
Retail trade	24,403	37,892	35,100	10,697	3.7	1.6	2.5	2.2
Finance, insurance, and real estate	8,316	11,541	11,491	3,175	3.3	1.6	1.9	1.7
Depository institutions ²	3,364	4,153	3,571	207	0.6	6.0	4.0	3.3
Other finance ³	2,170	2,451	3,022	852	3.4	2.0	2.4	2.4
Insurance ⁴	1,836	3,551	3,420	1,584	6.4	1.2	2.2	2.0
Real estate ⁵	851	1,326	1,397	546	5.1	0.4	0.6	0.6
Administrative and auxiliary	95	60	81	-14	-1.6	4.4	4.1	n.a.
Services	9,058	15,194	17,449	8,391	6.8	0.6	0.8	0.8

n.a. Not available.

^{4.} Data for all U.S. establishments are either from the 1997 Economic Census CD–ROM or from the Census Bureau's County Business Patterns publications, which are compilations of data from the SSEL.

The all-U.S.-establishment data that were used in calculating these percentages are from the Economic Censuses.

^{2.} SIC 60.

^{3.} SIC 61, 62, and 67.

^{4.} SIC 63 and 64.

^{5.} SIC 65.

Nore. The industry coverage of the 1997 data differs somewhat from that of the 1987 and 1992 data (see the text).

tained from the Census Bureau surveys and from administrative records.

Foreign-owned establishments on the SSEL were identified primarily through a computer match of the Employer Identification Numbers (EIN's) that are reported on BEA's surveys of foreign direct investment in the United States and included on the Census Bureau's SSEL. EIN's are used by companies and their establishments when they file Federal and State payroll and income taxes. For enterprises that failed to link in the computer match of EIN's, other enterprise identification information, such as names and addresses, was used to match the BEA enterprises to Census Bureau establishments. The data items that are available on the

SSEL in Economic Census years are the number of establishments, employment, payroll, and shipments or sales.

To gather the additional data items presented for the manufacturing establishments, the foreign-owned establishments were linked to the 1997 Economic Census—Manufacturing. Thus, the detailed data items, such as value added, capital expenditures, and the cost of materials, come from this link with the Census of Manufacturing data set.

Estimation of Data for Manufacturing

Some data in the 1997 Economic Census—Manufacturing, and therefore for foreign-owned manufactur-

Table B. Employment of Foreign-Owned Establishments, by Selected SIC Industry, 1987, 1992, and 1997

Industry	Т	housands o	of employee	es	Percent change 1987–97		e of employs establishme	
	1987	1992	1997	Change 1987–97	(annual rate)	1987	1992	1997
All industries	3,228.9	4,944.2	5,195.9	1,967.0	4.9	3.7	5.8	5.6
Mining	97.6	120.8	85.8	-11.8	-1.3	14.0	19.0	16.8
Construction	51.4	93.3	100.5	49.1	6.9	1.0	2.0	1.8
Manufacturing	1,311.4	2.004.9	2.082.5	771.1	4.7	6.9	11.0	11.9
Food and kindred products	110.2	156.1	132.2	22.1	1.8	7.6	10.4	8.5
Tobacco products	h	h	5.4	(D)	(D)	(D)	(D)	n.a.
Textile mill products	29.3	48.5	51.9	22.5	5.9	4.4	7.9	9.2
Apparel and other textile products	9.5	26.8	30.1	20.6	12.2	0.9	2.7	3.6
Lumber and wood products	13.8	13.5	16.3	2.4	1.6	2.0	2.1	2.2
Furniture and fixtures	15.4	i	21.7	6.3	3.5	3.0	(D)	4.1
Paper and allied products	43.3	46.5	57.3	14.1	2.9	7.1	7.4	n.a.
Printing and publishing	51.8	98.2	125.3	73.5	9.2	3.5	6.6	8.2
Chemicals and allied products	171.8	240.8	203.7	31.9	1.7	21.1	28.4	24.8
Petroleum and coal products	18.2	27.1	23.8	5.6	2.7	15.7	23.7	22.4
Rubber and miscellaneous plastics products	64.2	125.7	146.1	81.8	8.6	7.7	13.9	14.1
Leather and leather products	j	5.4	2.4	(D)	(D)	(D)	5.3	n.a.
Stone, clay, and glass products	64.5	92.8	108.2	43.7	5.3	12.3	19.8	21.4
Primary metal industries	78.1	113.8	103.5	25.4	2.9	11.1	17.2	15.0
Fabricated metal products	61.4	101.7	129.4	68.0	7.7	4.2	7.5	8.4
Industrial machinery and equipment	116.0	190.1	226.7	110.7	6.9	6.3	10.9	11.5
Electronic and other electric equipment	170.3	224.9	232.6	62.2	3.2	10.9	15.6	14.7
Transportation equipment	55.8	115.2	168.0	112.2	11.7	3.1	7.0	10.8
Instruments and related products	72.8	106.7	93.7	20.9	2.6	7.4	11.8	n.a.
Miscellaneous manufacturing industries	20.9	27.6	23.0	2.1	1.0	5.6	7.5	5.8
Administrative and auxiliary	130.7	217.3	181.5	50.7	3.3	10.6	17.3	n.a.
Transportation, communication, and utilities	94.3	231.6	301.4	207.1	12.3	1.8	4.2	5.3
Wholesale trade	343.3	513.0	545.6	202.3	4.7	6.1	8.4	8.4
Retail trade	628.8	853.2	873.4	244.6	3.3	3.5	4.4	4.1
Finance, insurance, and real estate	310.9	401.0	407.6	96.8	2.7	4.6	6.0	5.6
Depository institutions ²	107.5	127.8	120.1	12.6	1.1	6.5	6.1	n.a.
Other finance ³	86.4	91.0	108.5	22.1	2.3	5.5	10.7	n.a.
Insurance ⁴	76.6	154.4	148.9	72.4	6.9	3.8	7.2	6.4
Real estate5	21.7	24.3	23.5	1.8	0.8	1.7	2.0	1.8
Administrative and auxiliary	j	3.6	6.5	(D)	(D)	(D)	5.6	n.a.
Services	390.7	722.8	798.9	408.2	7.4	2.4	3.7	3.2

n.a. Not available.

Notes. The following ranges are given in employment cells that are suppressed: a—0 to 19; b—20 to 99; c—100 to 249; e—250 to 499; f—500 to 999; g—1,000 to 2,499; h—2,500 to 4,999; i—5,000 to 9,999; j—10,000 to 24,999; k—25,000 to 49,999; l—50,000 to 99,999: m—100,000 or more.

The industry coverage of the 1997 data differs somewhat from that of the 1987 and 1992 data (see the text).

^{1.} The all-U.S.-establishment data that are used in calculating these percentages are from the Economic Censuses.

^{2.} SIC 60.

^{3.} SIC 61, 62, and 67.

^{4.} SIC 63 and 64.

^{5.} SIC 65.

ing establishments, are estimated.⁵ Published statistics from the Census cover all manufacturing establishments in the United States. However, to reduce the reporting burden, small establishments are exempt from reporting, and data for them are estimated or obtained from administrative records. In addition, estimates are made for reports not received in time for publication and for data items that respondents are not able to complete. For establishments that require estimation, selected data items, including employment and payroll, are obtained from the administrative records of the Internal Revenue Service. Data items that are not available from administrative records are estimated using industry-average relationships. For foreign-owned manufacturing establishments, the percentage of the data that is estimated varies depending on the item, the industry, the country, and the State (tables G-I). For example, for manufacturing as a whole, 17 percent of the cost of materials and 18 percent of production worker wages is estimated. Among three-digit manufacturing industries, the percentage of production worker wages that is estimated ranges from 5 percent for paper manufacturing to 46 percent for leather and allied product manufacturing.

Evaluation of the Link

The data for foreign-owned establishments cover only establishments with employment.⁶ On the basis of BEA data for all industries, U.S. affiliates that linked had 5,280,700 employees (table J, column 1) and accounted for 99 percent of the employment of all U.S. affiliates in 1997. Virtually all of the large BEA affiliates linked to Census Bureau establishments.⁷ Affiliates that failed to link were generally small and together accounted for only 29,783 employees. In general, affiliates failed to link to a Census Bureau establishment because the two agencies had different EIN's or other identification information for a given company or because of the absence of valid EIN's or other identification information.

BEA and Census Bureau Data Compared

For affiliates that linked, the employment total based on Census Bureau establishment data, at 5,195,900 (table J, column 2) was very close to the total based on BEA enterprise data. The 84,900-employee difference (table J, column 32) represents the net effect of differences in coverage, definition, and classification. This section summarizes the key differences.

Coverage differences

The scope of the foreign-owned establishment data is consistent with the 1997 Economic Census and, as a result, the industry coverage of the establishment data is somewhat narrower than that of BEA's enterprise data. The establishment data do not cover agriculture, forestry, fishing, and hunting (North American Industry Classification System (NAICS) sector 11), air transportation by large certificated passenger carriers (part of NAICS 4811), railroad transportation (NAICS 482), and funds, trusts, and other financial vehicles, except real estate investment trusts (NAICS 5251, 52591, and 52592) because these industries were out of scope for the 1997 Economic Census.8 The BEA data indicate that in 1997 affiliates in these industries had 70,000 employees, total assets of \$18 billion, and sales of \$14 billion.

The geographic coverage of the Census Bureau's Economic Census data for foreign-owned establishments is somewhat narrower than that of BEA's enterprise data. The former covers the 50 States and the

Table C. Number of Foreign-Owned Establishments, by Country of UBO, 1987, 1992, and 1997

	Numb	er of establi	shments		Percent
Country	1987	1992	1997	Change 1987–97	change 1987–97 (annual rate)
All countries	66,878	102,958	105,673	38,795	4.7
Canada	12,251	14,133	14,038	1,787	1.4
Europe	40,096	59,896	63,512	23,416	4.7
Of which:		-			
France	4,041	8,732	9,534	5,493	9.0
Germany	5,916	7,652	9,092	3,176	4.4
Netherlands	5,508	6,746	6,939	1,431	2.3
Switzerland	3,450	5,287	5,736	2,286	5.2
United Kingdom	16,542	22,400	23,583	7,041	3.6
Latin America and Other					
Western Hemisphere	2,262	3,506	2,870	608	2.4
Africa	337	553	684	347	7.3
Middle East	1,290	1,556	2,258	968	5.8
Asia and Pacific	10,007	21,909	20,545	10,538	7.5
Of which:					
Australia	1,443	1,650	1,616	173	1.1
Japan	5,284	17,178	16,044	10,760	11.7
United States	635	1,405	1,766	1,131	10.8

 $^{$\}operatorname{\textsc{Note}}$$. The industry coverage of the 1997 data differs somewhat from that of the 1987 and 1992 data (see the text).

^{5.} Data for the four items presented for nonmanufacturing establishments are either reported in the Economic Census or are obtained from the administrative records of the Internal Revenue Service.

^{6.} More specifically, the data cover any foreign-owned establishment that had one or more paid employees some time during 1997.

^{7.} Some U.S. affiliates that linked to Census Bureau establishments through the SSEL were in industries or geographic areas that were not covered by the 1997 Economic Census, as described in the next section.

^{8.} Real estate investment trusts (NAICS 52593) is the only industry in the funds, trusts, and other financial vehicles subsector that is covered by the establishment data.

District of Columbia. The latter also cover Puerto Rico, the Virgin Islands, Guam, American Samoa, and other outlying U.S. areas; in the BEA data, employment by U.S. affiliates in these areas was 30,400 in 1997, less than one percent of the total employment of foreign owned establishments.

Definitional differences

BEA data are reported on a fiscal year basis, whereas the Census Bureau data are generally on a calendar year basis. As a result, for some industries, BEA totals for certain items, such as compensation of employees, can differ from the totals for similar items based on the Census Bureau data for foreign-owned establishments.

In cases where similar items are available from both agencies, such as employment and value added, the BEA definitions sometimes differ from those used by the Census Bureau. These differences are noted in the section "Definitions."

Classification differences

As noted earlier, most BEA data for U.S. affiliates are classified by the primary industry of the consolidated

Table D. Employment of Foreign-Owned Establishments, by Country of UBO, 1987, 1992, and 1997

	Thous	ands of emp	oloyees		Percent change
Country	1987	1992	1997	Change 1987–97	1987–97 (annual rate)
All countries	3,228.9	4,944.2	5,195.9	1,967.0	4.9
Canada	540.4	604.7	633.9	93.5	1.6
Europe Of which:	1,975.3	3,040.2	3,207.3	1,232.0	5.0
France	181.9	356.6	454.7	272.8	9.6
Germany	391.6	534.7	624.2	232.6	4.8
Netherlands	254.4	316.3	357.6	103.2	3.5
Switzerland	214.4	364.7	393.5	179.1	6.3
United Kingdom	661.8	992.4	972.2	310.4	3.9
Latin America and Other					
Western Hemisphere	139.3	133.5	171.9	32.6	2.1
Africa	19.0	15.0	22.6	3.6	1.8
Middle East	66.2	41.9	89.7	23.6	3.1
Asia and Pacific Of which:	459.8	1,023.0	1,013.3	553.6	8.2
Australia	86.6	134.8	78.3	-8.3	-1.0
Japan	296.1	787.6	814.3	518.1	10.6
United States	29.0	85.9	57.0	28.0	7.0

Note. The industry coverage of the 1997 data differs somewhat from that of the 1987 and 1992 data (see the text).

enterprise, whereas the Census Bureau data are classified by the primary industry of each individual establishment within the enterprise. Affiliates are often highly diversified, and many of them have activities in industries other than the one that applies to the consolidated enterprise as a whole. As a result, totals for industries in the BEA data often differ significantly from totals for the same industries in the Census Bureau data. Table J provides additional information on how differences in classification affect the industry distribution of the data by breaking down each industry's enterprise-based employment total into the industries of the establishments. Column 1 shows the industry distribution of BEA enterprise data on employment for affiliates that linked to Census Bureau establishments. Column 2 shows the distribution of Census Bureau employment data that would result if the employment of all foreign-owned establishments were classified in the primary industry of the enterprise of which they are a part. Columns 3–31 cross-classify the employment totals shown in column 2 by the industry of each Census Bureau establishment.

Country and Industry Classification

In tables that show data by country, the data are classified by country of ultimate beneficial owner (UBO) of the U.S. affiliate to which the establishment belongs. A UBO is that person that ultimately owns or controls, and therefore ultimately derives the benefits from owning or controlling, a U.S. affiliate. More specifically, the UBO is that person, proceeding up a U.S. affiliate's ownership chain, beginning with and including the foreign parent, that is not owned more than 50 percent by another person. The foreign parent is the first person outside the United States in a U.S. affiliate's ownership chain that has a direct investment interest in the U.S. affiliate. (See "Notes to the Tables" for additional details.)

Establishments are classified into industries based on the definitions in the 1997 NAICS manual. In the NAICS, an industry is generally defined as a group of establishments that have similar production processes. The 1987–92 data on foreign-owned establishments were classified by industry based on the 1987 SIC. In the SIC, classification is based on the production process in some industries and on the type of product in others. At the highest level of aggregation, 20 industry groups—termed "sectors" in the NAICS—replace the 10 industry divisions in the SIC. Several of the NAICS sectors do not correspond directly to these SIC industry divisions. For example, the new "information" sector consists of industry groups drawn from several

^{9.} In BEA's surveys, a U.S. affiliate's fiscal year is the financial reporting year for the affiliate that ended in that calendar year. In BEA's 1997 benchmark survey of foreign direct investment in the United States, affiliates with fiscal years ending in the last quarter of the calendar year accounted for almost three-quarters of total U.S. affiliate employment. See U.S. Bureau of Economic Analysis, Foreign Direct Investment in the United States: Final Results From the 1997 Benchmark Survey (Washington, DC: U.S. Government Printing Office, June 2001).

Table E. Number of Foreign-Owned Establishments, by State, 1987, 1992, and 1997

State	Ņ	lumber of es	tablishment	S	Percent change 1987–97	establ percen	ishment tage of a blishme	all U.S.
	1987	1992	1997	Change 1987–97	(annual rate)	1987	1992	1997
Total	66,878	102,958	105,673	38,795	4.7	1.1	1.7	1.7
AlabamaAlaskaArizonaArkansasArkansas	165 978 420	1,227 222 1,148 629 12,144	1,158 162 1,538 519 12,269	432 -3 560 99 4,162	4.8 -0.2 4.6 2.1 4.2	0.9 1.2 1.2 0.8 1.2	1.4 1.5 1.3 1.2 1.7	1.3 1.0 1.6 0.9 1.8
Colorado Connecticut Delaware District of Columbia Florida	941	1,806 1,576 573 416 6,570	1,860 1,752 748 364 6,965	849 811 511 75 3,660	6.3 6.4 12.2 2.3 7.7	1.1 1.0 1.4 1.5 1.0	1.8 1.8 3.0 2.4 1.8	1.6 2.1 3.7 2.4 1.9
GeorgiaIdahoIlinois. IndianaIlinois.	453 191 2,977	3,640 1,030 261 4,844 1,873	3,825 1,161 318 5,311 1,974	1,331 708 127 2,334 884	4.4 9.9 5.2 6.0 6.1	1.7 1.7 0.8 1.1 0.9	2.3 3.6 0.9 1.8 1.5	2.2 4.4 1.0 1.9 1.5
lowa Kansas Kentucky Louisiana Maine	570 695 1,249	730 907 1,147 1,438 424	657 980 1,287 1,257 520	104 410 592 8 167	1.7 5.6 6.4 0.1 3.9	0.8 0.9 0.9 1.4 1.0	1.0 1.4 1.5 1.6 1.3	0.9 1.5 1.6 1.4 1.6
Maryland Massachusetts Michigan Minnesota Mississippi	1,400 1,927 840	2,308 2,602 2,970 1,438 552	2,087 3,259 3,477 1,260 566	521 1,859 1,550 420 186	2.9 8.8 6.1 4.1 4.1	1.5 0.9 1.0 0.8 0.7	2.1 1.8 1.4 1.3 1.1	1.8 2.2 1.7 1.1 1.1
Missouri Montana Nebraska Nevada New Hampshire	126 238 355	1,955 183 420 471 588	1,886 187 357 648 625	670 61 119 293 349	4.5 4.0 4.1 6.2 8.5	1.0 0.5 0.6 1.4 0.8	1.5 0.7 1.0 1.5 1.9	1.5 0.7 0.8 1.7 1.9
New Jersey New Mexico New York North Carolina North Dakota	376 5,883 2,126	4,160 421 7,575 2,850 173	3,632 433 7,520 3,707 130	1,276 57 1,637 1,581 2	4.4 1.4 2.5 5.7 0.2	1.1 1.1 1.3 1.4 0.7	2.0 1.2 1.7 1.8 1.0	1.7 1.1 1.8 2.1 0.7
OhioOklahomaOregonPennsylvaniaPhode Island	693 3,039	4,513 1,080 1,050 4,299 336	4,470 780 1,086 4,264 401	1,258 51 393 1,225 235	3.4 0.7 4.6 3.4 9.2	1.3 1.0 0.9 1.1 0.6	1.9 1.5 1.3 1.6 1.3	1.8 1.0 1.3 1.6 1.6
South Carolina South Dakota Tennessee Texas Utah	67 1,376 5,442	1,550 117 2,112 8,495 627	1,704 105 2,165 7,693 772	571 38 789 2,251 441	4.2 4.6 4.6 3.5 8.8	1.5 0.3 1.3 1.4 0.9	2.0 0.6 1.9 2.1 1.6	2.1 0.5 1.9 1.9
Vermont Virginia Washington West Virginia Wisconsin Wyoming	2,068 1,064 387 939	150 3,176 2,057 573 1,377 175	214 3,335 2,206 501 1,405 173	97 1,267 1,142 114 466 55	6.2 4.9 7.6 2.6 4.1 3.9	0.6 1.5 0.9 1.1 0.8 0.8	0.8 2.2 1.5 1.6 1.1 1.2	1.2 2.2 1.6 1.4 1.1

The all-U.S.-establishment data used in calculating these percentages are from the Economic Censuses

different SIC industry divisions.10

Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in NAICS and division titles used in the SIC, but cover somewhat different groups of industries. For example, under NAICS, manufacturing includes several industries, such as bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading that are not included in manufacturing under the SIC. Conversely, the NAICS manufacturing sector does not cover logging and portions of publishing, which are included in manufacturing under the SIC.

To help assess the impact of the changes in industry classification, tables A4.1, A4.12, A4.13, A4.18, A4.20 and tables M4.1, M4.12, M4.13, M4.18, M4.20 in the main body of the publication present 1997 data classified by industry using SIC-based industries, and in tables A and B in this methodology, the SIC-based 1997 data is compared with data from 1992 and 1987.11 Note that 1997 data on value added by manufacture are not available for publishing (part of SIC 27) in the SIC tables, because the value added data are available only for the industries included in manufacturing under NA-ICS; as noted earlier, under NAICS, publishing is included in the information sector rather than in manufacturing.

Note. The industry coverage of the 1997 data differs somewhat from that of the 1987 and 1992 data (see the text).

^{10.} Specifically, the NAICS information sector includes publishing, which is included in the SIC manufacturing division; "motion picture and sound recording industries" and "information and data processing services," which are included in the SIC services division; and broadcasting and communications, which are included in the SIC transportation, communication, and electric, gas, and sanitary services division.

For additional information on the differences between the NAICS and the SIC classifications, see Office of Management and Budget, North American Industry Classification System: United States, 1997 (Lanham, MD: Bernan Press, 1998) and U.S. Bureau of the Census, 1997 Economic Census: Bridge Between NAICS and SIC (Washington, DC: U.S. Government Printing Office, 2000), or <www.census.gov/epcd/ec97brdg>.

^{11.} Each table in the main body of the publication that presents data by industry using SIC-based industries corresponds to another table in this publication that presents the same data by industry using NAICS-based industries. Thus, SIC-based table A4.1 corresponds to (NAICS-based) table A1.1, SIC-based table A4.12 corresponds to table A 4.12, and so forth.

Comparability with Previously **Published Data**

As just noted, data by industry for 1997 may not be directly comparable with data by industry for 1987–92 because of the change from SIC to NA-ICS as the basis for classification. The NAICS and SIC also classify auxiliary establishments (those establishments that primarily serve other establishments of the same enterprise, see "Definitions") differently. In the NAICS-based 1997 Economic Census data, corporate, subsidiary, and regional managing offices of companies and enterprises are classified in the "Management of Companies and Enterprises" sector (NAICS sector 55). All other auxiliary establishments are included in a separate category titled "Auxiliaries, Except Managing Offices," and further classified into several broad industry categories based on the type of service performed. Under the SIC, in contrast, managing offices of companies and enterprises and all other auxiliary establishments are classified in the industry of the establishments they serve.

The industry coverage of the 1997 data is somewhat narrower than that of the 1987 and 1992 data. Agricultural services, forestry, and fishing (NAICS 113, 114 and 115), air transportation by large certified passenger carriers (part of NAICS 4811) and funds, trusts, and other financial vehicles, except real estate investment trusts (NAICS 5251, 52591, and 52592) are not covered by the 1997 foreign-owned establishment data, whereas they are covered by the 1987 and 1992 data. Logging is not covered by the 1997 data because, under the NAICS, logging is included in forestry, whereas logging is covered by the 1987 and 1992 data because, under the SIC, it is included in manufacturing.

In the 1997 data for foreign-owned manufacturing establishments, employee compensation is disaggregated into total payroll and total benefits. In the 1988-92 data, total benefits were further broken down into "social security and other legally required payments" and "employer payments and other programs."12 This additional detail for benefits is not shown in the 1997 data.

Table F. Employment of Foreign-Owned Establishments, by State, 1987, 1992, and 1997

	Dy Stat	le, 1307	, 1992, 6	iliu 199	'1			
State	1	Thousands o	of employees	5	Percent change 1987–97	empl	centage oyment stablishr	of all
	1987	1992	1997	Change 1987–97	(annual rate)	1987	1992	1997
Total	3,228.9	4,944.2	5,195.9	1,967.0	4.9	3.7	5.8	5.6
Alabama Alaska Arizona Arkansas California	35.4	61.7	63.3	27.9	6.0	3.0	4.8	4.5
	6.4	12.2	9.5	3.1	4.0	4.6	7.8	5.2
	49.5	56.3	55.9	6.4	1.2	4.4	4.8	3.6
	20.4	29.1	29.7	9.3	3.8	3.1	4.0	3.6
	375.7	581.7	585.1	209.3	4.5	3.7	5.8	5.6
Colorado Connecticut Delaware District of Columbia Florida	32.6	64.5	79.2	46.6	9.3	2.8	5.3	5.2
	56.0	88.5	99.6	43.6	5.9	3.8	6.9	7.7
	35.2	41.9	16.2	-19.0	-7.5	12.9	15.0	5.2
	8.2	13.6	9.6	1.5	1.7	2.1	4.3	3.7
	108.0	202.3	246.0	137.9	8.6	2.6	4.7	5.0
GeorgiaIdahoIllinoisIndiana	114.1	162.6	186.3	72.2	5.0	5.0	6.8	6.6
	26.2	53.8	47.8	21.6	6.2	7.2	13.1	13.0
	4.5	10.0	12.3	7.8	10.6	1.8	3.3	3.3
	156.6	274.9	260.8	104.2	5.2	3.7	6.5	5.8
	61.8	122.1	124.5	62.7	7.3	3.2	6.1	5.7
lowa	18.7	33.2	33.8	15.1	6.1	2.1	3.6	3.4
Kansas	17.0	28.4	42.6	25.6	9.6	2.1	3.5	4.6
Kentucky	37.6	71.2	89.9	52.3	9.1	3.6	6.4	7.1
Louisiana	50.9	64.4	54.9	4.0	0.8	4.3	5.2	4.1
Maine	20.9	21.5	28.7	7.7	3.2	5.4	6.0	7.6
Maryland Massachusetts Michigan Minnesota Mississippi	54.2	79.1	91.3	37.0	5.3	3.2	5.1	5.5
	91.5	127.6	175.7	84.2	6.7	3.3	5.5	7.3
	93.8	147.5	166.9	73.1	5.9	2.9	4.8	4.9
	34.8	89.2	76.6	41.7	8.2	2.1	5.3	4.0
	16.9	21.2	22.5	5.6	2.9	2.6	3.1	2.8
Missouri	50.2	77.6	83.6	33.5	5.2	2.7	4.3	4.3
Montana	3.0	4.9	3.5	0.5	1.4	1.5	2.4	1.5
Nebraska	7.1	17.4	19.2	12.1	10.4	1.4	3.2	3.1
Nevada	9.9	20.6	20.5	10.6	7.6	2.3	3.9	2.8
New Hampshire	18.2	28.1	31.6	13.3	5.6	4.2	7.3	7.2
New Jersey New Mexico New York North Carolina North Dakota	178.6	251.5	212.1	33.5	1.7	5.8	8.9	7.2
	14.0	13.1	12.1	-1.9	-1.4	3.6	3.2	2.6
	335.1	412.0	411.3	76.2	2.1	4.9	7.1	7.2
	136.3	190.5	225.0	88.7	5.1	5.7	7.6	8.0
	1.6	3.4	4.0	2.4	9.8	0.9	2.0	2.0
Ohio Oklahoma Oregon Pennsylvania Rhode Island	129.4	212.8	241.5	112.0	6.4	3.3	5.6	5.8
	27.7	45.7	32.1	4.3	1.5	3.2	5.1	3.3
	24.4	40.8	47.7	23.3	6.9	2.8	4.3	4.2
	167.4	235.7	234.9	67.5	3.4	3.9	5.9	5.8
	11.0	13.9	20.8	9.8	6.6	2.8	4.3	6.4
South CarolinaSouth DakotaTennesseeTexasUtah	65.8	101.9	118.8	53.0	6.1	5.9	8.7	8.9
	1.5	4.7	4.3	2.8	11.2	0.8	2.3	1.8
	74.6	121.6	139.8	65.2	6.5	4.5	6.8	6.9
	218.0	335.1	344.4	126.4	4.7	4.0	5.9	5.2
	11.3	22.9	34.5	23.2	11.8	2.3	4.0	4.7
Vermont	6.2	7.7	9.1	2.8	3.8	3.1	4.1	4.7
	84.4	123.2	142.0	57.6	5.3	4.1	5.8	6.0
	42.4	80.1	80.8	38.4	6.7	2.9	4.8	4.4
	25.1	34.8	27.1	2.0	0.8	5.6	8.0	5.9
	55.0	80.9	80.1	25.2	3.8	3.2	4.4	4.0
	3.4	4.7	6.6	3.2	6.9	2.8	3.7	4.2

^{1.} The all-U.S.-establishment data used in calcu-Censuses and the Census Bureau's County Business Patterns.

Note. The industry coverage of the 1997 data lating these percentages are from the Economic differs somewhat from that of the 1987 and 1992 data (see the text)

^{12.} Employer payments and other programs consist of employer payments for voluntary employee benefit programs not specifically required by legislation.

Definitions

The definitions used in this publication are the same as those used in the 1997 Economic Census. The definitions are summarized below; in some cases, more detailed definitions may be found in the 1997 Economic Census publications, which are available at the Census Bureau's Web site at <www.census.gov>. Most of the definitions are for items presented only for establishments in manufacturing. The five exceptions are the

definitions for auxiliary establishments, employees, establishments, payroll, and value of shipments or sales, which apply to items available for establishments in all industries. Where significant differences exist, the definitions used here are compared with the definitions used for the corresponding items in the BEA data.

Auxiliary establishments

Auxiliary establishments are central administrative of-

Table G. Percentage of the Data That is Estimated for Foreign-Owned Manufacturing Establishments, Selected Items by Industry

	Establishments, Selec	ica itc	ilio by	ıııau.					
					Pe	rcent esti	mated		
		Number	Produ	ction wo	rkers		Expendi-	lnuan	Gross
NAICS	Industry	of				Cost	tures for	Inven- tories	book
code	,	establish- ments	l			of materi-	new plant and	(end	value of depre-
			Number	Hours	Wages	als	equip-	of 1997)	ciable
							ment	1001)	assets
31	Manufacturing	10,568	15	19	18	17	15	14	18
311	Food manufacturing	722	13	18	15	13	15	17	16
3111	Animal food manufacturing	72	34	47	33	7	22	16	58
3112	Grain and oilseed milling	91	10	10	12	9	5	8	5
3113	Sugar and confectionery product manufacturing	41	10	12	11	4	7	9	6
3114	Fruit and vegetable preserving and specialty	72	6	18	7	15	15	24	18
3115	Dairy product manufacturing	94	18	23	21	18	21	18	16
3116	Animal slaughtering and processing	57	16	16	14	25	27	12	22
3117	Seafood product preparation and packaging	56	22	26	20	17	25	41	16
3118	Bakeries and tortilla manufacturing	116	7	10	13	8	5	7	13
3119	Other food manufacturing	123	22	28	26	21	28	16	22
312	Beverage and tobacco product manufacturing	121	20	20	19	9	16	6	24
3121	Beverage manufacturing	110	23	24	26	14	(D)	8	33
3122	Tobacco manufacturing	11	18	15	15	2	(D)	4	16
313	Textile mills	170	14	20	18	12	18	16	19
3131	Fiber, yarn, and thread millsFabric mills	37 89	24 10	37 18	34 16	19 11	60 13	28 12	28 18
3132 3133	Textile and fabric finishing mills	44	20	6	8	12	18	21	13
314	Textile product mills	67	10	14	8	12	8	10	6
3141	Textile furnishings mills	14	20	26	19	23	21	23	24
3149	Other textile product mills	53	6	9	5	9	4	5	3
315	Apparel manufacturing	100	19	29	23	14	30	17	28
3151	Apparel knitting mills	21	24	24	23	13	32	43	35
3152	Cut and sew apparel manufacturing	68	17	32	23	16	36	12	28
3159	Accessories and other apparel manufacturing	11	27	17	21	4	10	15	7
316	Leather and allied product manufacturing	14	43	50	46	73	43	52	46
3161	Leather and hide tanning and finishing	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3162	Footwear manufacturing	7	49	52	51	74	(D)	81	64
3169	Other leather product manufacturing	5	(D)	(D)	(D)	(D)	30	(D)	(D <u>)</u>
321	Wood product manufacturing	116	9	12	10	12	6	10	7
3211	Sawmills and wood preservation	23	6	20	6	41	7	22	9
3212	Plywood and engineered wood product mfg	42	11	15	12	6	7	11	5
3219	Other wood product manufacturing Paper manufacturing	51 333	7 3	8 7	10 5	9 7	6 8	4 4	14 11
322 3221	Pulp, paper, and paperboard mills	62	2	2	6	2	8	1	11
3222	Converted paper product manufacturing	271	4	11	5	12	9	7	9
323	Printing and related support activities	277	23	24	23	27	24	29	20
3231	Printing and related support activities	277	23	24	23	27	24	29	20
324	Petroleum and coal products manufacturing	337	25	30	27	20	25	19	20
3241	Petroleum and coal products manufacturing	337	25	30	27	20	25	19	20
325	Chemical manufacturing	1,630	16	20	19	17	16	12	21
3251	Basic chemical manufacturing	555	16	21	14	18	11	10	23
3252	Resin, rubber, and artificial fibers mfg	163	8	6	9	20	12	4	20
3253	Agricultural chemical manufacturing	75	18	22	29	18	34	23	31
3254	Pharmaceutical and medicine manufacturing	194	18	21	27	12	17	13	17
3255	Paint, coating, and adhesive manufacturing	168	18	22	22	19	21	13	22
3256	Soap, cleaning compound, and toiletry mfg	147	20	26	19	18	30	24	22
3259	Other chemical product and preparation mfg	327	16	24	23	19	11	11	15
326	Plastics and rubber products manufacturing	793	8	11	10	13	9	8	9
3261	Plastics product manufacturing	626	11	16	13	16	12	9	9
3262	Rubber product manufacturing	167	3	5	6	8	4	5	10
			•				-	. '	•

fices of companies with more than one establishment. A central administrative office is an establishment primarily engaged in management, general administrative, and support functions performed centrally for other establishments in the same company. Support functions include research, development, and testing; warehousing and storage; maintenance and repair; and other miscellaneous services. Managing offices are in-

Table G. Percentage of the Data That is Estimated for Foreign-Owned Manufacturing Establishments, Selected Items by Industry

					- ,				
					Pe	rcent esti	mated		
		Number	Produ	ction wo	rkers		Expendi-	Inven-	Gross
NAICS code	Industry	of establish- ments	Number	Hours	Wages	Cost of materi- als	tures for new plant and equip-	tories (end of 1997)	book value of depre- ciable
							ment	1331)	assets
327	Nonmetallic mineral product manufacturing	1,597	17	22	20	22	14	16	16
3271	Clay product and refractory manufacturing	125	25	30	34	23	24	33	27
3272	Glass and glass product manufacturing	142	2	7	6	2	1	2	2
3273	Cement and concrete product manufacturing Lime and gypsum product manufacturing	1,162 33	26 22	33 24	29 23	29 45	27 29	20 22	21
3274 3279	Other nonmetallic mineral products	135	23	23	18	31	13	21	28 16
331	Primary metal manufacturing	350	12	14	14	8	8	13	10
3311	Iron and steel mills and ferroalloy mfg.	46	6	7	11	4	3	8	4
3312	Steel product mfg. from purchased steel	82	19	23	19	15	19	40	14
3313	Alumina and aluminum production	59	6	9	7	5	9	7	13
3314	Other nonferrous metal production	96	19	23	24	11	13	7	12
3315	Foundries	67	17	18	13	17	12	7	17
332	Fabricated metal product manufacturing	884	10	16	14	13	12	10	17
3321 3322	Forging and stamping Cutlery and handtool manufacturing	92 38	15 2	21 10	17 5	13 7	12 2	10	16 3
3323	Architectural and structural metals mfg.	197	8	17	13	9	12	10	13
3324	Boiler, tank, and shipping container mfg	107	4	7	4	10	10	4	27
3325	Hardware manufacturing	40	9	19	13	30	13	4	10
3326	Spring and wire product manufacturing	30	22	18	32	27	10	26	19
3327	Machine shops and threaded product mfg	90	20	24	23	35	26	23	28
3328	Coating, engraving, and heat treating metals	89	16	21	22	4	3	3	11
3329	Other fabricated metal product mfg	201	10	15	15	17	14	14	16
333	Machinery manufacturing	954	17	23	23	22	23	18	25
3331	Agricultural, construction, and mining machinery mfg Industrial machinery manufacturing	92 183	14 22	18 24	16 30	13 23	12 25	18 23	17 23
3332 3333	Commercial and service industry machinery	94	20	19	24	23	45	27	34
3334	HVAC and commercial refrigeration equipment	99	7	24	22	17	33	9	29
3335	Metalworking machinery manufacturing	135	17	19	26	27	16	11	17
3336	Turbine and power transmission equipment mfg	58	19	22	23	48	16	12	28
3339	Other general purpose machinery manufacturing	293	21	28	24	18	22	19	29
334	Computer and electronic product mfg	788	17	28	21	20	15	22	17
3341	Computer and peripheral equipment mfg	73	12	47	32	22	39	24	56
3342	Communications equipment manufacturing	107	26	25	19	14	39	29	23
3343 3344	Audio and video equipment manufacturing Semiconductor and electronic component mfg	26 251	22 13	19 20	21 14	16 16	22 8	38 13	15 6
3345	Electronic instrument manufacturing	289	22	32	26	30	25	21	25
3346	Magnetic media manufacturing and reproducing	42	19	31	24	28	43	18	31
335	Electrical equipment and appliance mfg	390	8	10	9	13	10	10	11
3351	Electric lighting equipment manufacturing	30	1	2	1	17	(D)	19	1
3352	Household appliance manufacturing	30	6	9	6	11	(D)	10	6
3353	Electrical equipment manufacturing	145	4	7	7	14	11	8	15
3359	Other electrical equipment and component mfg	185	15	15	16	13	12	12	12
336	Transportation equipment manufacturing	561	18	18	25	22	14	11	27
3361 3362	Motor vehicle manufacturing Motor vehicle body and trailer manufacturing	23 19	22 4	7 5	23 9	31 7	12 5	13 43	21 46
3363	Motor vehicle parts manufacturing	423	15	19	24	12	15	15	31
3364	Aerospace product and parts manufacturing	61	20	25	38	5	34	1	46
3365	Railroad rolling stock manufacturing	13	54	63	42	51	16	4	23
3366	Ship and boat building	14	77	73	71	40	38	37	59
3369	Other transportation equipment manufacturing	8	54	64	63	2	38	51	26
337	Furniture and related product manufacturing	83	9	19	14	21	16	12	21
3371	Household and institutional furniture mfg	35	4	12	10	18	5	2	6
3372	Office furniture and fixtures mfg	16	48	82	51	66	36	58	57
3379	Other furniture related product manufacturing	32	7	6	2	10	22	2	30
339	Miscellaneous manufacturing Medical equipment and supplies manufacturing	281 138	24 32	27 33	25 29	25 31	21 33	17 23	16 23
3391 3399	Other miscellaneous manufacturing	143	17	22	29	20	10	11	10
		, , , , ,				. 20	10		

D Suppressed to avoid disclosure of data for individual companies.

Table H. Percentage of the Data That is Estimated for Foreign-Owned Manufacturing Establishments, Selected Items by Country of UBO

				Pe	ercent est	imated		
	Number	Produ	iction w			Expendi-		Gross
Country	of establish- ments	Num- ber	Hours	Wages	Cost of materi- als	tures for new plant and equip- ment	Inventories (end of 1997)	book value of depre- ciable assets
All countries	10,568	15	19	18	17	15	14	18
Canada	797	16	23	22	23	29	18	27
Europe	6,945 24	14 (D)	18	18 (D)	17 (D)	16 19	14 (D)	18 (D)
Belgium	146	10	(D) 16	(D) 9	(D) 19	5	11	(D) 5
Denmark	86	22	32	20	45	27	16	21
Finland France	103 1,180	20 13	24 17	25 16	18 14	32 14	24 13	21 18
Germany	1,168	12	14	14	25	11	14	16
Ireland	334	10	11	15	13	13	12	12
ItalyLiechtenstein	183 10	21 (D)	27 (D)	24 (D)	12 (D)	13 26	22 (D)	10 (D)
Luxembourg	25	14	13	12	15	21	23	19
Netherlands	362	8	13	11	18	27	10	26
Norway	54 28	21 44	25 44	23 42	9 18	19 9	7 6	9 17
Spain Sweden	249	14	14	16	13	34	32	21
Switzerland	481	18	24	23	20	19	15	20
United Kingdom Other	2,500 12	16 19	22 22	22 17	13	16 21	13 55	19 19
Latin America and Other West-	12	10		17		21	00	13
ern Hemisphere	251	15	21	17	19	7	5	17
South and Central America Brazil	171 7	13 0	19 6	16 2	18 1	6 (D)	4	17 12
Mexico	131	21	31	38	26	37	15	34
Panama	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Venezuela Other	16 4	(D) 25	(D) 39	(D) 44	(D) 54	(D) (D)	(D) 57	(D) 49
Other Western Hemisphere	80	24	27	22	22	10	8	13
Bahamas	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bermuda Netherlands Antilles United Kingdom Islands,	41 20	28 11	16 35	17 18	13 62	6 (D)	6 12	9 16
Caribbean	6 57	(D) 18	(D) 20	(D) 20	(D) 17	65 18	(D) 9	(D) 26
South Africa	55	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Middle East	107	11 12	15 26	10 13	4 5	6 7	7	5 12
Kuwait	28 7	(D)	(D)	(D)	(D)	11	5 (D)	(D)
Lebanon	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Saudi Arabia United Arab Emirates	30	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)
Other	31	(D)	(D)	(D)	(D)	16	(D)	(D)
Asia and Pacific	2,322	14	18	17	17	12	15	15
Australia China	425 9	17 (D)	26 (D)	21 (D)	14 (D)	10 75	21	10
Hong Kong	16	(D) 23	(D) 38	(D) 24	(D) 40	(D)	(D) 48	(D) 4
Indonesia	22	0	9	0	17	Ò	3	12
Japan Korea, Republic of	1,673 37	15 14	18 29	18 11	16 30	13	14 22	17 7
Malaysia	21	1	1 (D)	2	40 (D)	10 (D)	2	12
New Zealand Philippines	5	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)
Singapore	16	10	43	18	22	16	12	31
Taiwan		7 7	9	9	24 g	7 45	9	5
Other United States	15 89	13	14	14 12	8 10	45 14	22 14	44 25
Addenda:			'-		.,	"	'-	
European Union (15) OPEC	6,389 77	14 7	18 12	17 5	17 11	16 1	14 4	18 9

D Suppressed to avoid disclosure of data for individual companies.

cluded in NAICS Sector 55, "Management of companies and enterprises." All other auxiliary establishments are included in the separate category titled "Auxiliaries, except managing offices" and further classified into several broad categories based on the type of service performed.

Benefits

Data on benefits are presented for manufacturing establishments. Benefits, together with payroll, comprise compensation of employees. Benefits consist of social security and other legally required payments and employer payments for voluntary programs.

Cost of materials

Data on cost of materials are presented for manufacturing establishments. Cost of materials consists of direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year. The major components of cost of materials are the following: (1) Raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies or for repair and maintenance during the year; (2) electricity purchased; (3) fuels consumed for heat, power, or generation of electricity; (4) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (5) products bought and resold in the same condition. Cost of materials excludes purchased services. Like value of shipments, totals for cost of materials for major industry groups and for manufacturing as a whole include large amounts of duplication. (See definition of value of shipments.)

Cost of purchased fuels and electricity

Data on cost of purchased fuels and electricity are presented for manufacturing establishments. Cost of purchased fuels and electricity consists of the cost of fuels consumed for heat, power, or generation of electricity whether purchased from the establishments of other companies, transferred from other establishments of the same company, or withdrawn from inven-

tory during the year, and the cost of purchased electricity. The cost and quantity of purchased electricity represent the amounts actually used during the year.

Employees

In all industries except construction and manufacturing, the number of employees is the number of full-time and part-time employees who were on the payroll in the pay period including March 12.

For construction, the number of employees is the average number of full-time and part-time employees on the payroll for the four pay periods including the 12th of March, May, August, and November. For manufacturing, the number of employees is the average number of all full-time and part-time production workers on the payroll for the four pay periods including the 12th of March, May, August, and November, plus the number of other full-time and part-time employees on the payroll for the pay period including March 12.

Employees include salaried officers and executives of corporations; they exclude proprietors and partners of unincorporated businesses.

The number of employees for foreign-owned establishments differs somewhat from that for U.S. affiliates in the BEA enterprise data because of differences in the date at which employment is measured. In the enterprise data, the number of employees is the number of full-time and part-time employees who were on the payroll at the end of the enterprise's fiscal year.¹³

Establishment

An establishment is a single physical location where business is conducted or where services or industrial operations are performed. The data cover every establishment having one or more paid employees some time during 1997. The number of establishments is the number that were in business at any time during 1997 (regardless of their status at the beginning or end of the year).

Expenditures for new plant and equipment

Data on expenditures for new plant and equipment are presented for manufacturing establishments. Expenditures for new plant and equipment consist of expenditures for (1) plants under construction, (2) permanent additions and major alterations to manufacturing establishments, and (3) new machinery and equipment used for replacement and for additions to plant capacity, if they were of the type for which depreciation accounts were ordinarily maintained. They include expenditures for assets acquired under capital leases. They exclude expenditures for facilities

Table I. Percentage of the Data That is Estimated for Foreign-Owned Manufacturing Establishments, Selected Items by State

				Pe	rcent esti	mated		
	Number	Produ	ction w	orkers		Expendi-		Gross
State	of establish- ments	Num- ber	Hours	Wages	Cost of materi- als	tures for new plant and equip- ment	Inven- tories (end of 1997)	book value of depre- ciable assets
Total	10,568	15	19	18	17	15	14	18
Alabama	216	8	10	12	12	16	12	21
Alaska Arizona	20 99	4 17	4 25	3 18	24 16	5 9	1 11	4 12
Arkansas	106	6	7	7	14	6	3	11
California	1,074	15	28	19	15	24	15	23
Colorado	106	15	18	21	22	19	11	14
Connecticut Delaware	140 30	10 15	15 17	15 18	20 3	10 10	13 5	10 8
District of Columbia	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida	397	19	23	21	`18	31	28	22
Georgia	501	18	23	20	17	17	14	18
Hawaii Idaho	19 34	11 16	18 16	2 35	1 4	0 5	86 12	0 30
Illinois	490	14	18	17	15	22	15	21
Indiana	349	12	18	21	8	13	6	13
lowa	95	4	6	7	12	7	13	13
Kansas Kentucky	81 256	8 9	7 13	8 15	27 6	6 6	5 6	9
Louisiana	112	8	11	6	25	7	10	6
Maine	66	17	22	14	19	12	17	13
Maryland	152	27	27	34	11	34	18	31
Massachusetts Michigan	278 395	22 15	26 18	25 18	31 20	18 10	16 16	22 19
Minnesota	160	13	15	13	16	12	11	16
Mississippi	92	15	19	17	21	27	8	16
Missouri	226	13	15	15	19	22	23	25
Montana Nebraska	9 55	(D) 9	(D) 19	(D) 14	(D) 18	3 20	(D) 12	(D) 21
Nevada	44	7	7	7	11	4	13	4
New Hampshire	79	12	17	15	24	13	21	17
New Jersey	362	21	30	24	20	29 7	18	30
New Mexico New York	23 408	13 21	25 24	25 21	23 15	18	5 14	7 20
North Carolina	511	11	16	16	20	18	14	17
North Dakota	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ohio	572 86	20 14	17 15	26 16	28 11	23 24	15 20	24 26
Oklahoma Oregon	131	17	20	19	40	4	15	9
Pennsylvania	524	19	22	19	18	12	18	19
Rhode Island	44	10	22	11	14	7	15	7
South Carolina	321	9	13	15	14	13	9	14
South Dakota Tennessee	14 269	4 10	19 15	5 12	24 7	16 8	6 20	26 15
Texas	779	15	23	19	20	12	12	21
Utah	59	40	37	41	12	20	16	17
Vermont	21	29	40	39	31	50	43	33
Virginia Washington	236 225	15 12	13 19	11 20	9 21	18 4	30 12	22 9
West Virginia	57	5	14	4	9	18	7	16
Wisconsin	229	14	18	22	13	17	8 7	13
Wyoming	12	13	38	19	26	53	/	45

D Suppressed to avoid disclosure of data for individual companies

^{13.} In the enterprise data, a U.S. affiliate's 1997 fiscal year was defined to be the affiliate's financial reporting year that ended in calendar year 1997. If an affiliate's end-of-year employment was unusually high or low because of temporary factors, a number reflecting normal operations was requested.

owned by the Federal Government but operated under contract by private companies and plant and equipment furnished at no cost to the manufacturer by communities and nonprofit organizations.

Gross book value of depreciable assets

Data on gross book value of depreciable assets are presented for manufacturing establishments. The gross book value of depreciable assets is the original-cost value of fixed assets (structures and machinery and equipment) in place at the end of the year. The values shown represent the actual cost of the assets at the time

they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets, including inventories and intangible assets, such as timber and mineral rights.

Other workers

"Other" workers are nonproduction employees of the establishment, including those engaged in factory su-

Table J. Employment of U.S. Affiliates, Industry of BEA Enterprise by Industry of Census Bureau Establishment, 1997
[Thousands of employees]

Total	
Industry of BEA enterprise BEA enterprise Industry of Bea enterprise	
Industry of BEA enterprise Industry of EA enterprise I	Fabricated metal products (16) 133.5 f b 2.0 117.8 b (*) 0.7 (*) (*) 2.0 1.3 f 7.2 57.1 17.7 3.9 4.1 12.9 10.6 a e (*) e (*) e (*) e 0.2 0.9 a 0.5
Industry of BEA enterprise	
Total Total Total Total S,280.8 S,195.9 T.2 T.5 S,280.8 T.1 T.1 S,280.8 T.1 T.1 S,280.8 T.1 T.1 T.1 T.1 T.1 S,280.8 T.1 T.1	
1 Total	cated metal
2 Mining	(16)
3 Utilities	133.5
4 Construction	f
5 Manufacturing	-
Of which: 6 Food	
6 Food	117.8
	b
7 Beverage and tobacco products	(*)
8 Paper	
9 Printing and related support activities 38.7 41.5 (*) (*) (*) 33.4 b (*) 0.4 31.0 (*) a b c (*)	(*)
10 Petroleum and coal products	
11 Chemical products	
12 Plastics and rubber products	1.3
13 Nonmetallic mineral products	f
14 Primary metal	7.2
15 Fabricated metal products	57.1
16 Machinery	
17 Computer and electronic products 265.6 253.1 (*) b 1.0 154.3 (*) (*) e f (*) 4.5 1.2 1.9 1.3	3.9
18 Electrical equipment and appliance 162.1 144.8 c (*) 0.3 114.0 (*) (*) (*) (*) c f 6.0 2.6 3.3	
19 Transportation equipment	
20 Wholesale trade	
21 Retail trade	
22 Transportation and warehousing	-
23 Information	. ,
24 Finance and insurance	е
25 Depository credit intermediation	(*)
26 Insurance	
27 Real estate and rental and leasing 37.5 45.6 0.2 (*) 2.6 0.7 a (*) b a (*) a (*) e (*)	
28 Professional, scientific, and technical	- "
services	0.9
29 Accommodation and food services 269.6 280.3 a a 0.2 0.5 c (*) (*) (*) (*) (*) a b b (*)	0.0
30 Other	а

^{*} Less than 50 employees.

^{1.} BEA enterprise data for affiliates that linked to Census Bureau establishments.

Note. The following ranges are given in employment cells that are suppressed: a—0 to 19; b—20 to 99; c—100 to 249; e—250 to 499; f—500 to 999; g—1,000 to 2,499; h—2,500 to 4,999; i—5,000 to 9,999; j—10,000 to 24,999; k—25,000 to 49,999; l—50,000 to 99,999; m—100,000 or more.

pervision above the line-supervisor level. Data on other workers are presented for manufacturing establishments. Other workers include employees in the following activities: Sales (including drivers and salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing, clerical and routine office functions, executive, purchasing, financial, legal, personnel (including cafeteria, medical, etc.), professional, and technical. All employees engaged in the construction of major additions or alterations to the plant and utilized as a separate work force are included. (See "Production

workers.")

Payroll

Payroll and benefits comprise compensation of employees. Payroll consists of the gross earnings, paid in the calendar year, of all employees on the payroll of the establishment. It includes salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. Salaries of officers and executives of

Table J. Employment of U.S. Affiliates, Industry of BEA Enterprise by Industry of Census Bureau Establishment, 1997
[Thousands of employees]

					[In	ousands (of employ	ees]									
						Cer	sus Burea	ıu establisl	nment data	for linke	d affiliate	S					
							Industry	of Census	s Bureau e	stablishn	nent						BEA enter-
			Manuf	acturing						Financ	e and insurance						prise data less
Line	Industry of BEA enterprise		Of v	vhich:				Trans-			Of w	hich:	Real estate	Profes-			Census Bureau
Liilo	inductry of BETT office price		Com-	Electri-	Trans-	Whole- sale	Retail	portation and	Infor-		Depos-		and rental	sional, scientific,	Accom- modation	Other	estab- lishment
		Machin- ery	puter and elec- tronic products	cal equip- mentand appli- ance	porta- tion equip- ment	trade	trade	ware- housing	mation	Total	itory credit inter- medi- ation	Insur- ance	and leas- ing	and tech- nical ser- vices	and food services	Other	data (col. 1 – col. 2)
		(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
1	Total	179.6	216.6	100.2	207.9	457.1	630.1	122.8	235.3	361.5	111.8	149.0	40.1	118.7	308.5	916.7	84.9
2	Mining	0.5	h	С	(*)	2.3	С	0.3	b	b	(*)	(*)	С	0.7	b	6.6	2.0
3	Utilities		е	(*)	(*)	0.2	(*)	b	С	b	(*)	(*)	b	1.3	(*)	1.9	0.1
4	Construction		(*)	(*)	а	0.5	а	h	а	1.1	f	b	0.6	4.7	f	5.5	3.7
5	Manufacturing Of which:	162.1	166.9	97.8	169.1	210.1	49.4	5.0	14.0	4.3	(*)	1.7	4.1	18.6	22.5	248.5	-5.2
6	Food	b	а	b	(*)	21.1	0.4	0.6	е	b	(*)	(*)	0.2	b	j	14.0	6.7
7	Beverage and tobacco products	(*)	(*)	(*)	(*)	8.4	3.3	а	b	(*)	(*)	(*)	b	b	Ċ	3.7	0.1
8	Paper	0.7	(*)	b	(*)	3.7	b	0.1	(*)	0.1	(*)	(*)	b	(*)	(*)	5.2	-4.7
9	Printing and related support activities	1.4	С	b	(*)	3.8	b	b	0.5	(*)	(*)	(*)	b	0.2	(*)	3.5	-2.8
10	Petroleum and coal products	b	(*)	С	(*)	4.7	20.8	2.3	а	С	(*)	а	b	е	а	13.2	-15.1
11	Chemical products	4.3	2.9	1.0	h	45.4	4.0	0.2	е	1.9	(*)	g	0.5	2.7	а	90.1	13.6
12	Plastics and rubber products	1.2	С	а	2.1	5.8	j	С	а	С	(*)	(*)	(*)	0.7	b	9.0	1.1
13	Nonmetallic mineral products	1.5	1.0	b	f	6.4	2.3	0.7	(*)	0.1	(*)	(*)	С	0.3	b	9.7	4.4
14	Primary metal	1.1	1.1	5.1	2.2	4.7	а	(*)	g	(*)	(*)	а	(*)	1.0	b	4.2	-4.2
15	Fabricated metal products		2.4	1.9	5.6	8.6	0.3	С	b	0.3	(*)	(*)	0.1	1.0	b	8.4	3.5
16	Machinery	100.8	12.0	11.1	8.2	17.6	С	С	0.3	0.2	(*)	b	2.6	3.5	b	14.2	-6.6
17	Computer and electronic products	4.5	116.4	14.1	g	35.2	1.0	е	10.4	0.2	(*)	(*)	0.3	5.2	4.6	40.5	12.5
18	Electrical equipment and appliance	15.9	13.7	58.2	5.0	16.0	b	а	b	0.1	(*)	(*)	b	0.8	b	13.2	17.2
19	Transportation equipment	10.5	5.3	4.5	139.8	12.4	(*)	b	(*)	f	(*)	(*)	0.1	0.7	(*)	8.3	0.6
20	Wholesale trade	13.2	36.4	2.0	35.9	208.5	32.1	4.4	g	9.1	b	е	3.7	6.9	1.3	71.0	13.3
21	Retail trade	0.1	b	(*)	b	5.4	529.8	е	0.4	0.8	(*)	а	0.3	0.3	0.7	69.1	70.0
22	Transportation and warehousing	е	С	b	2.7	1.5	b	101.8	0.3	h	h	b	С	1.0	а	49.5	40.6
23	Information	b	5.8	(*)	(*)	8.0	7.5	0.2	210.1	1.6	(*)	а	i	14.8	е	31.2	-3.0
24	Finance and insurance Of which:	f	С	(*)	(*)	0.4	0.1	g	0.7	327.0	97.2	145.7	2.8	2.9	2.3	14.1	-23.6
25	Depository credit intermediation	(*)	(*)	(*)	(*)	а	а	(*)	b	96.4	87.4	е	b	а	(*)	3.7	3.0
26	Insurance	(*)	(*)	(*)	(*)	b	a	g `g	е	163.0	С	144.7	2.1	2.6	f	6.6	-12.2
27	Real estate and rental and leasing	(*)	0.1	b	(*)	1.0	1.2	0.1	0.2	11.7	i	b	16.0	1.5	6.7	3.7	-8.1
28	Professional, scientific, and technical	` '			`′												
	services	2.1	0.4	b	(*)	5.5	0.2	С	4.8	С	(*)	С	0.3	57.3	е	7.2	-1.8
29	Accommodation and food services	а	(*)	(*)	0.1	0.9	7.2	(*)	а	0.2	(*)	а	0.5	0.2	260.6	10.1	-10.7
30	Other	а	3.8	b	b	12.9	2.4	6.1	3.4	g	b	0.9	3.6	8.5	13.0	398.2	7.7

corporations are included. Payments to proprietors and partners of unincorporated concerns, to members of the armed forces, and to pensioners carried on the active payrolls of establishments are excluded.

Payroll as shown for foreign-owned establishments is definitionally equivalent to "wages and salaries" as shown for U.S. affiliates in the BEA enterprise data. Totals for the two measures may differ because, among other things, the Census Bureau payroll data are measured on a calendar-year basis, whereas the BEA wages and salaries data are measured on a fiscal-year basis.

Production worker hours

Data on production worker hours are presented for manufacturing establishments. Production worker hours consist of hours worked, including actual overtime hours (not straight-time-equivalent hours). They exclude hours paid for vacations, holidays, or sick leave.

Production workers

Data on production workers are presented for manufacturing establishments. Production workers are workers engaged in manual work and production operations or performing functions closely associated with production operations. They are workers up through the line-supervisor level at an operating establishment who are engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (power plant, etc.), record keeping, and other services closely associated with these production operations at the establishment. (See "Other workers.")

Shipments or sales

Data on shipments or sales are presented for all industries covered by the 1997 Economic Censuses. The definition of shipments or sales varies by sector.

For *mining*, the item shown is the value of "shipments and receipts." Shipments include all products physically shipped from the establishment. Receipts include contract work done for others, except custom milling, and the value of products bought and sold without further processing.

For *utilities*, the item shown is "revenue." Revenue includes all business activities.

For *construction*, the item shown is the "value of construction work." Construction work consists of the value of all work performed by general contractors, special trades contractors, and subcontractors and of land development and improvement work.

For *manufacturing*, the item shown is the value of "shipments." Shipments covers the net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped as well as miscellaneous receipts.

Totals for value of shipments for major industry groups within manufacturing and for manufacturing as a whole include large amounts of duplication because the products of some industries are used as materials by others. This duplication results, in part, from the combination of related industries that represent successive stages in the production of a finished manufactured product. Examples are the combination of flour mills and bakeries in the food group and of pulp mills and paper mills in the paper and allied products group.

For wholesale or retail trade, the item shown is "sales." Sales includes sales of merchandise plus receipts for delivery, installation, maintenance, repair, alteration, storage, equipment rental, and other services.

For *transportation and warehousing*, the item shown is "revenue." Revenue includes all business activities including commissions and fees for arranging the transportation of freight.

For *finance and insurance* the item shown is "revenue." Revenue includes net premiums earned by insurance carriers, commissions and fees from all sources, net investment income, interest, dividends, the total value of service contracts, royalties, and dues and assessments from members.

For *real estate and rental and leasing*, the item shown is "revenue." Revenue includes commissions and fees, rents, net investment income, interest, dividends, and royalties.

For *information*, the item shown is "receipts." Receipts include income for services rendered and sales of merchandise as well royalties, license fees, and other payments from the marketing of intangible products.

For management of companies and enterprises, the item shown is "revenue" or "sales." For holding companies, the item is revenue. Revenue primarily includes net investment income, interest, and dividends. For corporate, subsidiary, and regional managing offices the item is sales. Sales is defined as income received from sources outside the company.

For the *service sectors* such as professional, scientific, and technical services; administrative support and waste management; educational services; health care and social assistance; arts, entertainment, and recreation; and other services the item shown is "receipts." Receipts includes receipts for services rendered, for the leasing of facilities and equipment, and for the sale of merchandise by service establishments. It also includes the total value of service contracts, amounts received

for work subcontracted to others, and dues and assessments from members and affiliates.

For accommodation and food services, the item shown is "sales." Sales include sales from consumers for services rendered, from the use of facilities, and from merchandise sold.

For auxiliaries, except managing offices, the item shown is sales; sales is defined as income received from sources outside of the company.

The shipments or sales measure shown here for foreign-owned establishments differs significantly in concept from the "sales" measure in the BEA enterprise data for U.S. affiliates. Because the shipments or sales data shown here are based on data reported at the establishment level, they include the value of shipments or sales between establishments within the same enterprise, as well as the shipments or sales of the establishment to outsiders. The BEA sales measure does not include shipments or sales between establishments within an enterprise, because the BEA data are reported on a consolidated enterprise basis, and, on this basis, only sales by the consolidated enterprise to outside individuals or firms are counted.14 As a result of this difference, the shipments or sales total for an enterprise obtained by summing across all establishments of the enterprise based on the Census Bureau data could be significantly higher than the sales total for the same enterprise based on the BEA data. Another difference is that, like payroll data, the Census Bureau measure is on a calendar-year basis while the BEA measure is on a fiscal-year basis.

Value added by manufacture

Value added by manufacture is derived by subtracting the cost of materials (including materials, supplies, containers, fuel, purchased electricity, and cost of contract work) from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change between beginning- and end-of-year finished goods and work-in-process in-

Value added by manufacture avoids the duplication in the value of shipments that results when the products of one establishment are used as materials by another. Value added by manufacture is considered the best value measure available for assessing the relative economic importance of manufacturing among industries and geographic areas.

Although value added by manufacture and BEA's enterprise measure of gross product are similar measures, they differ in definition and in method of computation. BEA's gross product measure is calculated as the sum of (1) factor incomes (that is, compensation of employees, profits, and net interest paid), (2) nonfactor income (that is, indirect business taxes), and (3) consumption of fixed capital (that is, depreciation). Value added by manufacture, on the other hand, is calculated as the difference between the value of output (value of shipments plus the change in finished goods and work-in-process inventories) and the cost of materials consumed. The two measures differ because purchased services are excluded from gross product but are included in value added by manufacture and because sales, excise, and other indirect taxes are included in gross product but are excluded from value added by manufacture. Additionally, gross product reflects inventory change valued at replacement cost, whereas value added by manufacture reflects inventory change valued at book value.

Confidentiality

The Census Bureau and BEA are prohibited by law from publishing data that disclose the identity of, or information reported by, individual companies. In this publication, data in each cell were tested to determine whether they should be suppressed to maintain confidentiality. The data on numbers of establishments and their distribution by employment size class are not considered confidential, and these items are shown for countries, industries, or States in instances where other items are suppressed. For employment of foreign-owned establishments, cells that are suppressed contain letter symbols indicating the employment size range for the cell. For all other items, suppressed cells are indicated by a "(D)"; no size ranges are given.

Many tables in this publication present data in great detail by industry. In tables that cross-classify the detailed industry data, by, for example, State or investing country, many cells may be suppressed. The large number of suppressed cells is an unavoidable consequence of distributing data for a relatively small number of companies among a large number of highly detailed categories while upholding the legal requirement to preserve the confidentiality of the data of individual companies.

^{14.} The consolidated enterprise includes all U.S. businesses that are owned more than 50 percent by the reporting company and in which the foreign owner of the reporting company has a direct investment ownership interest. The consolidation excludes all other U.S. businesses and all foreign business enterprises owned by the reporting company.

Appendix

The Relation of Detail to Totals in the Data Tabulation

Subtotals for industry sectors, subsectors, and industry groups may not equal the sum of the more detailed industry data included in these subtotals. One reason is that the industry classifications of some establishments included on the SSEL are not known at the detailed industry level. This occurs when the Census Bureau receives reports for new establishments but does not receive the information needed to classify them at the detailed industry level. In such cases, data for the establishments may be included in the sector, subsector or industry group subtotals but may not be included in the more detailed data below those subtotals.

In the tables for individual States, industry subtotals may not equal the sum of the more detailed industries shown below those subtotals because some industries may not be shown. The industries not shown are those not shown in the 1997 Economic Census publications because employment in them is small. In addition, in the State tables and in the tables that show data by industry for individual countries, small cells are not shown. The following table shows the threshold number of employees below which the industry subtotals and individual industries are not shown.

Tables	Number
A2.1 and M2.11	250
A3.15–A3.21 and M3.15–M3.21 ²	100
A3.1-A3.7	1,000
M3.1–M3.7 ³	2,500

^{1.} Except for sectors; all sector totals are shown in these tables.

However, data for an unpublished industry are nevertheless included in the total shown for the broader industry group of which it is a part.

For all U.S. establishments, totals shown for the United States as a whole do not equal the sum across States because Economic Census CD-ROM files that provide data by detailed industry were the sources for the totals for the U.S. as whole, whereas the CD-ROM files that provide data by State were the sources of the data by State. In some cases, the files that contain data by industry reflect late revisions to the data that were not incorporated into the files that contain data by State. In addition, State totals for all U.S. establishments were computed by summing across industry sectors, and employment and payroll for a few industry sectors for some States were obtained from County Business Patterns.

For both foreign-owned establishments and all U.S. establishments, the sum of the data across States for some industries may not equal the industry totals shown in tables that present data for the United States as a whole because some industries may not be shown for individual States.

Except for total manufacturing, which is shown.
 Only applies to six-digit industries; all industry subtotals are shown.