

New Jersey

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1997 Economic Census

Manufacturing

Geographic Area Series



U S C E N S U S B U R E A U

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Economics and Statistics Administration
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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Manufacturing

SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

While logging and publishing are no longer in the scope of manufacturing, data for these industries are included in the manufacturing industry reports, but are not included in the manufacturing state, summary, and other reports.

GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the “all manufacturing” level for each state and its metropolitan areas (MAs) with 250

employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

GEOGRAPHIC AREAS COVERED

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more.

The state reports also include data at the “all manufacturing” level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the

component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semi-independent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census – Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

Table 1. Industry Statistics for the State: 1997

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments			All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NEW JERSEY													
31-33	Manufacturing	1	11 812	3 828	409 788	15 430 197	275 840	557 459	8 152 112	50 101 691	47 025 139	97 060 800	3 113 961
311	Food mfg.....	2	1 035	263	29 339	939 341	20 728	41 125	567 872	3 616 729	4 268 065	7 888 559	189 419
3111	Animal food mfg.....	5	8	4	382	14 284	262	586	9 196	67 596	102 069	169 318	5 302
31111	Animal food mfg.....	5	8	4	382	14 284	262	586	9 196	67 596	102 069	169 318	5 302
311111	Dog & cat food mfg...	-	2	1	c	D	D	D	D	D	D	D	D
311119	Other animal food mfg.....	9	6	3	c	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling....	2	9	5	364	12 669	214	487	6 265	53 776	237 684	291 528	2 838
31121	Flour milling & malt mfg..	9	4	2	114	3 513	87	180	2 522	19 004	57 124	76 370	1 370
311211	Flour milling.....	9	4	2	114	3 513	87	180	2 522	19 004	57 124	76 370	1 370
31122	Starch & vegetable fats & oils mfg.....	-	5	3	250	9 156	127	307	3 743	34 772	180 560	215 158	1 468
311223	Other oilseed processing.....	-	2	1	c	D	D	D	D	D	D	D	D
311225	Fats & oils refining & blending.....	-	3	2	c	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg.....	1	71	15	1 633	69 581	1 316	2 664	45 650	394 910	336 202	723 658	23 181
31132	Chocolate & confectionery mfg from cacao beans.....	7	11	3	c	D	D	D	D	D	D	D	1 549
311320	Chocolate & confectionery mfg from cacao beans...	7	11	3	c	D	D	D	D	D	D	D	1 549
31133	Confectionery mfg from purchased chocolate...	-	34	6	f	D	D	D	D	D	D	D	792
311330	Confectionery mfg from purchased chocolate.....	-	34	6	f	D	D	D	D	D	D	D	792
31134	Nonchocolate confectionery mfg.....	1	26	6	617	25 943	461	921	13 693	48 937	88 167	138 459	20 840
311340	Nonchocolate confectionery mfg...	1	26	6	617	25 943	461	921	13 693	48 937	88 167	138 459	20 840
3114	Fruit & vegetable preserving & specialty food mfg.....	1	48	30	3 704	122 326	2 876	6 010	79 209	505 175	559 392	1 063 059	24 775
31141	Frozen food mfg.....	3	24	14	1 633	47 412	1 366	2 879	31 749	168 313	185 792	353 986	6 125
311411	Frozen fruit, juice, & vegetable mfg.....	1	4	4	569	16 318	506	1 215	12 584	31 949	66 201	98 061	1 953
311412	Frozen specialty food mfg.....	3	20	10	1 064	31 094	860	1 664	19 165	136 364	119 591	255 925	4 172
31142	Fruit & vegetable canning, pickling, & drying.....	1	24	16	2 071	74 914	1 510	3 131	47 460	336 862	373 600	709 073	18 650
311421	Fruit & vegetable canning.....	1	17	11	1 391	48 872	952	2 032	28 747	208 195	237 383	444 085	12 409
311422	Specialty canning.....	-	4	3	f	D	D	D	D	D	D	D	D
311423	Dried & dehydrated food mfg.....	-	3	2	c	D	D	D	D	D	D	D	D
3115	Dairy product mfg.....	2	51	22	3 251	118 295	1 938	4 119	65 144	389 056	901 626	1 288 059	27 542
31151	Dairy product (except frozen) mfg.....	3	34	20	2 823	104 394	1 578	3 401	53 667	263 286	817 259	1 078 275	20 386
311511	Fluid milk mfg.....	4	10	8	1 930	78 928	878	1 906	37 730	169 261	547 914	716 534	12 360
311513	Cheese mfg.....	2	15	7	595	14 982	468	1 065	10 551	51 699	172 213	222 790	5 579
311514	Dry, condensed, & evaporated dairy product mfg.....	2	9	5	298	10 484	232	430	5 386	42 326	97 132	138 951	2 447
31152	Ice cream & frozen dessert mfg.....	-	17	2	428	13 901	360	718	11 477	125 770	84 367	209 784	7 156
311520	Ice cream & frozen dessert mfg.....	-	17	2	428	13 901	360	718	11 477	125 770	84 367	209 784	7 156
3116	Meat product mfg.....	3	82	37	3 586	105 924	2 710	5 459	60 130	305 095	410 599	711 357	17 261
31161	Animal slaughtering & processing.....	3	82	37	3 586	105 924	2 710	5 459	60 130	305 095	410 599	711 357	17 261
311611	Animal (except poultry) slaughtering.....	6	20	3	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses.....	3	49	22	1 815	67 485	1 400	2 880	37 427	181 926	255 549	435 723	10 231
311613	Rendering & meat byproduct processing.....	-	2	2	c	D	D	D	D	D	D	D	D
311615	Poultry processing....	2	11	10	1 255	23 255	1 016	2 037	16 378	62 232	90 674	152 013	3 773
3117	Seafood product preparation & packaging..	-	14	8	618	13 608	513	957	9 425	41 661	78 744	120 181	1 855
31171	Seafood product preparation & packaging.....	-	14	8	618	13 608	513	957	9 425	41 661	78 744	120 181	1 855
311711	Seafood canning.....	1	6	5	301	6 870	241	426	5 005	27 653	45 425	73 039	1 407
311712	Fresh & frozen seafood processing..	-	8	3	317	6 738	272	531	4 420	14 008	33 319	47 142	448

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
311	Food mfg—Con.												
3118	Bakeries & tortilla mfg.....	1	662	98	11 319	304 214	7 777	14 491	190 344	1 014 147	627 032	1 648 711	46 097
31181	Bread & bakery product mfg.....	2	615	74	i	D	D	D	D	D	D	D	D
311811	Retail bakeries.....	3	466	29	3 060	45 806	1 834	2 591	24 467	95 228	56 186	152 101	4 523
311812	Commercial bakeries..	2	136	40	3 314	92 366	2 053	3 936	49 896	279 899	149 737	430 054	10 660
311813	Frozen cakes, pies, & other pastries mfg...	7	13	5	c	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg.....	1	44	23	4 731	160 546	3 738	7 606	112 725	626 366	406 373	1 039 078	30 134
311821	Cookie & cracker mfg..	1	22	13	3 473	110 979	2 845	5 777	84 692	442 755	247 203	694 797	20 576
311822	Flour mixes & dough mfg from purchased flour.....	1	11	7	596	23 961	354	753	9 606	80 077	89 100	170 609	4 114
311823	Dry pasta mfg.....	-	11	3	662	25 606	539	1 076	18 427	103 534	70 070	173 672	5 444
3119	Other food mfg.....	1	90	44	4 482	178 440	3 122	6 352	102 509	845 313	1 014 717	1 872 688	40 568
31191	Snack food mfg.....	1	8	5	274	5 182	209	280	3 325	28 524	30 345	59 776	1 697
311911	Roasted nuts & peanut butter mfg.....	-	3	3	153	3 154	113	194	1 981	16 867	26 338	44 106	D
311919	Other snack food mfg..	5	5	2	121	2 028	96	86	1 344	11 657	4 007	15 670	D
31192	Coffee & tea mfg.....	-	7	6	590	26 037	416	879	17 216	114 191	207 076	324 943	6 298
311920	Coffee & tea mfg.....	-	7	6	590	26 037	416	879	17 216	114 191	207 076	324 943	6 298
31193	Flavoring syrup & concentrate mfg.....	1	15	8	479	20 756	335	600	13 740	108 962	132 289	248 463	3 861
311930	Flavoring syrup & concentrate mfg.....	1	15	8	479	20 756	335	600	13 740	108 962	132 289	248 463	3 861
31194	Seasoning & dressing mfg.....	5	25	12	876	39 579	468	970	14 551	220 389	181 115	402 966	9 997
311941	Mayonnaise, dressing, & other prepared sauce mfg.....	7	7	4	302	12 876	186	370	7 089	158 840	85 780	245 380	3 005
311942	Spice & extract mfg...	1	18	8	574	26 703	282	600	7 462	61 549	95 335	157 586	6 992
31199	All other food mfg.....	-	35	13	2 263	86 886	1 694	3 623	53 677	373 247	463 892	836 540	18 715
311991	Perishable prepared food mfg.....	1	7	1	210	5 642	159	304	3 412	18 697	19 612	38 380	1 030
311999	All other miscellaneous food mfg.....	-	28	12	2 053	81 244	1 535	3 319	50 265	354 550	444 280	798 160	17 685
312	Beverage & tobacco product mfg.....	-	49	15	3 698	170 497	2 491	5 328	104 096	1 322 307	976 462	2 303 949	86 652
3121	Beverage mfg.....	-	47	15	h	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg.....	-	32	12	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg.....	-	20	10	2 326	96 186	1 386	3 086	48 899	636 467	643 941	1 286 018	D
31212	Breweries.....	-	10	1	g	D	D	D	D	D	D	D	D
312120	Breweries.....	-	10	1	g	D	D	D	D	D	D	D	D
313	Textile mills.....	3	372	112	9 089	296 755	6 969	14 669	183 279	663 211	585 976	1 244 145	40 022
3131	Fiber, yarn, & thread mills..	1	11	6	299	9 303	207	392	3 736	17 808	40 173	58 147	1 221
31311	Fiber, yarn, & thread mills.....	1	11	6	299	9 303	207	392	3 736	17 808	40 173	58 147	1 221
313112	Yarn texturing, throwing, & twisting mills.....	-	4	3	183	6 062	111	212	1 912	10 574	32 880	43 620	590
3132	Fabric mills.....	2	210	50	4 050	116 640	3 093	6 395	72 181	247 308	234 098	480 030	17 892
31321	Broadwoven fabric mills..	3	29	6	672	18 598	547	1 076	11 614	39 538	55 811	95 119	4 522
313210	Broadwoven fabric mills.....	3	29	6	672	18 598	547	1 076	11 614	39 538	55 811	95 119	4 522
31322	Narrow fabric mills & schiffli machine embroidery.....	1	124	18	1 582	39 927	1 145	2 235	21 373	88 992	44 647	132 885	3 435
313221	Narrow fabric mills....	2	15	7	529	17 543	349	636	6 268	32 870	17 040	49 735	1 953
313222	Schiffli machine embroidery.....	1	109	11	1 053	22 384	796	1 599	15 105	56 122	27 607	83 150	1 482
31323	Nonwoven fabric mills...	-	8	4	337	11 155	221	511	5 658	18 983	59 956	79 126	2 760
313230	Nonwoven fabric mills..	-	8	4	337	11 155	221	511	5 658	18 983	59 956	79 126	2 760
31324	Knit fabric mills.....	4	49	22	1 459	46 960	1 180	2 573	33 536	99 795	73 684	172 900	7 175
313241	Weft knit fabric mills..	1	17	9	721	22 047	593	1 286	16 709	38 184	23 146	60 838	3 609
313249	Other knit fabric & lace mills.....	6	32	13	738	24 913	587	1 287	16 827	61 611	50 538	112 062	3 566
3133	Textile & fabric finishing & fabric coating mills.....	4	151	56	4 740	170 812	3 669	7 882	107 362	398 095	311 705	705 968	20 909
31331	Textile & fabric finishing mills.....	5	128	48	3 957	144 202	3 083	6 680	91 131	313 987	241 120	554 452	16 925
313311	Broadwoven fabric finishing mills.....	4	90	33	2 671	100 899	2 041	4 540	65 938	237 181	192 917	429 619	12 642
313312	Textile & fabric finishing mills.....	6	38	15	1 286	43 303	1 042	2 140	25 193	76 806	48 203	124 833	4 283
31332	Fabric coating mills.....	2	23	8	783	26 610	586	1 202	16 231	84 108	70 585	151 516	3 984
313320	Fabric coating mills...	2	23	8	783	26 610	586	1 202	16 231	84 108	70 585	151 516	3 984

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[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NEW JERSEY—Con.													
31-33	Manufacturing—Con.												
314	Textile product mills	1	315	75	6 024	126 247	4 820	9 001	80 011	325 900	273 936	597 196	11 005
3141	Textile furnishings mills	—	97	30	2 357	47 031	1 909	3 670	28 179	127 686	130 473	256 901	4 092
31412	Curtain & linen mills	—	92	30	2 331	46 349	1 890	3 631	27 683	128 618	128 618	253 230	3 981
314121	Curtain & drapery mills	—	52	6	645	13 402	515	997	7 923	28 067	23 802	52 664	1 681
314129	Other household textile product mills	—	40	24	1 686	32 947	1 375	2 634	19 760	97 804	104 816	200 566	2 300
3149	Other textile product mills	2	218	45	3 667	79 216	2 911	5 331	51 832	198 214	143 463	340 295	6 913
31491	Textile bag & canvas mills	1	65	6	666	13 568	542	918	8 220	28 252	28 340	55 807	1 167
314911	Textile bag mills	—	8	4	388	7 808	321	580	4 652	17 908	20 292	37 455	511
314912	Canvas & related product mills	4	57	2	278	5 760	221	338	3 568	10 344	8 048	18 352	656
31499	All other textile product mills	2	153	39	3 001	65 648	2 369	4 413	43 612	169 962	115 123	284 488	5 746
314991	Rope, cordage, & twine mills	4	7	3	c	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	2	145	36	2 857	61 808	2 288	4 248	41 674	160 207	104 394	264 107	5 112
315	Apparel mfg	1	607	235	22 567	528 778	16 542	31 741	285 272	1 126 366	1 305 992	2 457 069	25 676
3151	Apparel knitting mills	1	54	22	1 519	29 161	1 289	2 348	20 575	73 188	78 744	151 280	2 500
31519	Other apparel knitting mills	1	50	21	g	D	D	D	D	D	D	D	2 371
315191	Outerwear knitting mills	1	48	20	1 360	26 524	1 143	2 128	18 488	69 059	75 761	144 227	D
3152	Cut & sew apparel mfg	1	462	190	19 306	464 150	13 821	26 747	239 894	976 617	1 169 019	2 171 657	21 278
31521	Cut & sew apparel contractors	3	264	103	7 692	116 433	6 695	12 276	91 698	201 951	32 476	234 070	5 207
315211	Men's & boys' cut & sew apparel contractors	1	20	10	864	13 727	807	1 335	10 650	27 076	1 470	28 551	458
315212	Women's, girls', & infants' cut & sew apparel contractors	4	244	93	6 828	102 706	5 888	10 941	81 048	174 875	31 006	205 519	4 749
31522	Men's & boys' cut & sew apparel mfg	3	37	16	2 772	59 986	2 078	4 386	38 094	126 938	107 636	226 977	6 119
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	—	7	4	318	6 821	290	556	4 696	11 093	3 896	14 982	372
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	4	9	5	1 552	33 395	1 195	2 581	20 276	76 504	66 289	136 313	4 964
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	2	5	1	c	D	D	D	D	D	D	D	D
315228	Men's & boys' cut & sew other outerwear mfg	4	14	6	792	17 577	492	1 075	11 713	35 680	32 174	66 508	731
31523	Women's & girls' cut & sew apparel mfg	1	129	63	8 060	271 610	4 486	8 994	101 154	618 951	1 000 637	1 653 883	9 681
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	1	23	9	1 604	34 680	1 009	2 259	17 639	80 970	144 973	269 671	894
315232	Women's & girls' cut & sew blouse & shirt mfg	1	24	10	797	21 736	621	1 259	10 532	63 363	124 148	186 172	1 098
315233	Women's & girls' cut & sew dress mfg	3	19	7	364	7 557	258	382	3 583	22 033	36 285	57 747	344
315234	Women's & girls' cut & sew suit, coat, skirt mfg	2	33	20	1 053	27 615	762	1 314	12 892	102 108	139 028	236 780	873
315239	Women's & girls' cut & sew other outerwear mfg	—	30	17	4 242	180 022	1 836	3 780	56 508	350 477	556 203	903 513	6 472
31529	Other cut & sew apparel mfg	2	32	8	782	16 121	562	1 091	8 948	28 777	28 270	56 727	271
315291	Infants' cut & sew apparel mfg	—	3	2	c	D	D	D	D	D	D	D	D
315292	Fur & leather apparel mfg	2	5	2	268	7 235	226	455	3 644	11 888	11 495	23 166	D
315299	All other cut & sew apparel mfg	4	24	4	e	D	D	D	D	D	D	D	190
3159	Apparel accessories & other apparel mfg	4	91	23	1 742	35 467	1 432	2 646	24 803	76 561	58 229	134 132	1 898
31599	Apparel accessories & other apparel mfg	4	91	23	1 742	35 467	1 432	2 646	24 803	76 561	58 229	134 132	1 898
315991	Hat, cap, & millinery mfg	—	11	7	389	6 971	326	545	5 437	10 136	11 706	22 062	85
315993	Men's & boys' neckwear mfg	1	7	2	151	3 362	141	303	2 791	5 067	2 109	7 177	163
315999	Other apparel accessories & other apparel mfg	5	73	14	1 202	25 134	965	1 798	16 575	61 358	44 414	104 893	1 650

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
316	Leather & allied product mfg .	2	56	18	2 632	62 151	2 003	4 211	37 545	144 509	179 456	323 522	5 858
3161	Leather & hide tanning & finishing	2	11	4	220	6 588	187	406	4 873	13 748	26 504	44 112	496
31611	Leather & hide tanning & finishing	2	11	4	220	6 588	187	406	4 873	13 748	26 504	44 112	496
316110	Leather & hide tanning & finishing	2	11	4	220	6 588	187	406	4 873	13 748	26 504	44 112	496
3162	Footwear mfg	3	8	6	1 198	32 493	985	2 057	17 995	76 689	97 479	170 700	2 022
31621	Footwear mfg	3	8	6	1 198	32 493	985	2 057	17 995	76 689	97 479	170 700	2 022
316211	Rubber & plastics footwear mfg	—	1	1	c	D	D	D	D	D	D	D	D
316212	House slipper mfg	—	3	2	f	D	D	D	D	D	D	D	D
316214	Women's footwear (except athletic) mfg .	9	1	1	e	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	—	37	8	1 214	23 070	831	1 748	14 677	54 072	55 473	108 710	3 340
31699	Other leather & allied product mfg	—	37	8	1 214	23 070	831	1 748	14 677	54 072	55 473	108 710	3 340
316991	Luggage mfg	—	11	4	459	11 322	331	751	6 045	23 246	31 272	53 379	484
316992	Women's handbag & purse mfg	—	8	1	f	D	D	D	D	D	D	D	D
316993	Personal leather good (except women's handbag & purse) mfg	3	6	2	c	D	D	D	D	D	D	D	D
316999	All other leather good mfg	2	12	1	110	2 013	74	138	1 094	6 791	4 461	11 581	D
321	Wood product mfg	3	161	37	2 793	80 339	2 110	4 160	46 786	188 453	221 125	406 402	7 865
3212	Veneer, plywood, & engineered wood product mfg	1	11	8	501	18 850	342	743	9 181	45 562	68 809	111 957	1 983
32121	Veneer, plywood, & engineered wood product mfg	1	11	8	501	18 850	342	743	9 181	45 562	68 809	111 957	1 983
321211	Hardwood veneer & plywood mfg	1	3	2	c	D	D	D	D	D	D	D	983
321214	Truss mfg	2	8	6	e	D	D	D	D	D	D	D	1 000
3219	Other wood product mfg	3	141	29	2 236	59 574	1 720	3 312	36 022	137 813	142 800	279 934	5 520
32191	Millwork	3	65	13	1 058	33 500	791	1 580	20 084	79 122	76 222	154 508	2 886
321911	Wood window & door mfg	5	33	7	600	16 196	443	824	10 587	41 383	29 638	71 085	1 671
321912	Cut stock, resawing lumber, & planing	—	6	1	c	D	D	D	D	D	D	D	518
321918	Other millwork (including flooring)	3	26	5	e	D	D	D	D	D	D	D	697
32192	Wood container & pallet mfg	3	45	9	559	11 794	453	803	7 563	26 631	29 817	56 698	1 354
321920	Wood container & pallet mfg	3	45	9	559	11 794	453	803	7 563	26 631	29 817	56 698	1 354
32199	All other wood product mfg	3	31	7	619	14 280	476	929	8 375	32 060	36 761	68 728	1 280
321992	Prefabricated wood building mfg	9	7	1	196	3 612	151	306	2 264	7 247	10 639	17 971	366
321999	All other miscellaneous wood product mfg	1	24	6	423	10 668	325	623	6 111	24 813	26 122	50 757	914
322	Paper mfg	1	258	162	17 095	619 535	12 839	26 708	384 696	1 511 335	1 698 932	3 210 798	115 503
3221	Pulp, paper, & paperboard mills	—	16	16	2 579	123 076	1 899	4 380	82 785	396 392	318 413	712 029	44 795
32212	Paper mills	—	6	6	1 795	90 286	1 309	2 982	58 282	305 193	243 888	545 762	36 314
322121	Paper (except newsprint) mills	—	5	5	g	D	D	D	D	D	D	D	D
322122	Newsprint mills	—	1	1	e	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	10	10	784	32 790	590	1 398	24 503	91 199	74 525	166 267	8 481
322130	Paperboard mills	—	10	10	784	32 790	590	1 398	24 503	91 199	74 525	166 267	8 481
3222	Converted paper product mfg	1	242	146	14 516	496 459	10 940	22 328	301 911	1 114 943	1 380 519	2 498 769	70 708
32221	Paperboard container mfg	1	122	77	8 055	284 171	6 010	12 192	171 586	619 965	714 421	1 339 146	43 875
322211	Corrugated & solid fiber box mfg	2	71	42	4 683	172 502	3 337	6 603	97 140	357 690	488 037	847 391	30 332
322212	Folding paperboard box mfg	1	28	20	2 440	84 577	1 896	4 079	55 086	190 947	134 549	327 995	11 803
322213	Setup paperboard box mfg	3	8	3	c	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, & similar products mfg	—	13	10	512	15 009	437	842	11 624	44 878	51 820	97 437	1 117
322215	Nonfolding sanitary food container mfg	—	2	2	c	D	D	D	D	D	D	D	D

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31-33	NEW JERSEY—Con. Manufacturing—Con.												
322	Paper mfg—Con.												
3222	Converted paper product mfg—Con.												
32222	Paper bag & coated & treated paper mfg	1	58	34	3 508	128 303	2 477	5 407	71 659	316 476	429 015	744 273	20 107
322221	Coated & laminated packaging paper & plastics film mfg	—	5	3	199	6 939	144	296	4 987	16 763	25 943	42 402	825
322222	Coated & laminated paper mfg	1	37	19	1 963	73 242	1 317	2 787	41 086	183 327	236 840	421 730	11 669
322223	Plastics, foil, & coated paper bag mfg	—	4	2	309	10 249	189	393	4 889	22 247	23 602	45 667	1 935
322224	Uncoated paper & multiwall bag mfg	—	4	3	589	21 835	510	1 236	11 731	49 659	70 258	117 490	D
322225	Laminated aluminum foil mfg for flexible packaging uses	—	3	3	153	6 313	97	227	3 329	20 181	28 953	49 443	D
322226	Surface-coated paperboard mfg	—	5	4	295	9 725	220	468	5 637	24 299	43 419	67 541	743
32223	Stationery product mfg	1	34	17	1 718	53 001	1 397	2 843	36 233	94 192	110 768	205 560	2 772
322231	Die-cut paper & paperboard office supplies mfg	3	21	8	454	14 882	356	707	8 178	23 456	21 707	45 138	1 038
322232	Envelope mfg	—	7	5	955	30 363	795	1 588	22 840	57 739	72 229	130 385	1 432
322233	Stationery, tablet, & related product mfg	1	6	4	309	7 756	246	548	5 215	12 997	16 832	30 037	302
32229	Other converted paper product mfg	1	28	18	1 235	30 984	1 056	1 886	22 433	84 310	126 315	209 790	3 954
322291	Sanitary paper product mfg	—	6	4	329	7 561	312	608	6 383	25 520	39 621	63 917	913
322299	All other converted paper product mfg	1	22	14	906	23 423	744	1 278	16 050	58 790	86 694	145 873	3 041
323	Printing & related support activities	3	1 661	331	32 226	1 192 476	22 986	44 885	740 336	2 422 220	1 564 087	3 985 692	173 318
3231	Printing & related support activities	3	1 661	331	32 226	1 192 476	22 986	44 885	740 336	2 422 220	1 564 087	3 985 692	173 318
32311	Printing	3	1 419	261	26 471	987 892	18 601	35 804	603 081	2 030 830	1 470 199	3 500 536	156 968
323110	Commercial lithographic printing	3	684	149	15 432	651 282	10 661	21 379	401 200	1 294 359	940 040	2 231 834	108 504
323111	Commercial gravure printing	7	19	4	274	8 860	233	401	6 665	21 944	16 822	38 552	2 350
323112	Commercial flexographic printing	1	40	10	786	30 902	591	1 194	18 935	68 236	56 851	124 264	3 993
323113	Commercial screen printing	3	148	30	2 965	70 144	2 318	4 136	43 673	141 703	90 733	232 570	7 641
323114	Quick printing	1	300	13	1 946	56 332	1 299	2 224	33 040	125 041	62 945	187 163	15 392
323116	Manifold business form printing	6	32	16	1 832	63 473	1 183	2 211	35 728	123 342	143 545	271 984	6 010
323117	Book printing	2	29	10	601	20 516	483	869	13 745	56 180	33 211	89 142	1 555
323118	Blankbook, looseleaf binder, & device mfg	3	14	7	373	9 392	290	549	6 391	32 054	11 623	43 375	513
323119	Other commercial printing	4	143	21	2 172	73 911	1 484	2 709	41 902	161 910	110 409	271 567	10 433
32312	Support activities for printing	3	242	70	5 755	204 584	4 385	9 081	137 255	391 390	93 888	485 156	16 350
323121	Tradebinding & related work	2	69	33	2 433	64 320	2 024	4 325	46 736	119 584	26 002	146 922	4 962
323122	Prepress services	4	173	37	3 322	140 264	2 361	4 756	90 519	271 806	67 886	338 234	11 388
324	Petroleum & coal products mfg	—	67	27	3 996	222 559	2 407	5 380	122 705	1 571 195	6 646 820	8 043 819	93 217
3241	Petroleum & coal products mfg	—	67	27	3 996	222 559	2 407	5 380	122 705	1 571 195	6 646 820	8 043 819	93 217
32411	Petroleum refineries	—	8	7	2 277	137 553	1 412	3 195	81 486	1 276 636	5 767 682	6 861 602	76 405
324110	Petroleum refineries	—	8	7	2 277	137 553	1 412	3 195	81 486	1 276 636	5 767 682	6 861 602	76 405
32412	Asphalt paving, roofing, & saturated materials mfg	1	43	12	989	46 615	617	1 278	24 350	145 570	237 455	386 322	12 625
324121	Asphalt paving mixture & block mfg	1	36	6	665	33 991	390	811	17 266	104 325	159 236	264 789	11 331
324122	Asphalt shingle & coating materials mfg	—	7	6	324	12 624	227	467	7 084	41 245	78 219	121 533	1 294
32419	Other petroleum & coal products mfg	2	16	8	730	38 391	378	907	16 869	148 989	641 683	795 895	4 187
324191	Petroleum lubricating oil & grease mfg	2	16	8	730	38 391	378	907	16 869	148 989	641 683	795 895	4 187
325	Chemical mfg	1	793	436	60 988	3 024 053	32 659	67 280	1 187 897	17 662 042	11 473 449	29 189 933	1 009 880
3251	Basic chemical mfg	—	144	91	9 995	528 279	5 609	11 482	252 583	2 367 794	2 654 098	5 056 910	192 160
32512	Industrial gas mfg	—	14	4	2 080	119 667	1 028	1 845	58 116	226 422	178 026	421 329	26 765
325120	Industrial gas mfg	—	14	4	2 080	119 667	1 028	1 845	58 116	226 422	178 026	421 329	26 765
32513	Dye & pigment mfg	—	26	16	g	D	D	D	D	D	D	D	D
325132	Synthetic organic dye & pigment mfg	—	23	16	1 241	54 712	789	1 605	29 962	198 306	211 042	418 606	13 141

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
325	Chemical mfg—Con.												
3251	Basic chemical mfg—Con.												
32518	Other basic inorganic chemical mfg	-	32	20	1 549	76 535	986	2 191	42 490	537 303	618 744	1 156 004	31 184
325188	All other basic inorganic chemical mfg	-	31	20	g	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg	1	70	50	5 072	275 469	2 764	5 745	120 687	1 396 592	1 630 906	3 036 734	119 320
325192	Cyclic crude & intermediate mfg	-	6	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg	1	62	47	4 636	245 847	2 597	5 357	113 744	1 009 014	1 298 262	2 320 485	113 684
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1	27	22	2 162	109 844	1 308	2 801	60 521	473 901	720 950	1 186 553	60 152
32521	Resin & synthetic rubber mfg	1	27	22	2 162	109 844	1 308	2 801	60 521	473 901	720 950	1 186 553	60 152
325211	Plastics material & resin mfg	1	22	19	1 898	96 403	1 171	2 479	54 512	369 878	596 492	956 201	55 521
325212	Synthetic rubber mfg..	1	5	3	264	13 441	137	322	6 009	104 023	124 458	230 352	4 631
3253	Pesticide, fertilizer, & other agricultural chemical mfg .	7	13	3	292	9 696	217	474	6 255	117 715	78 149	193 893	3 440
32531	Fertilizer mfg	3	11	2	c	D	D	D	D	D	D	D	D
32532	Pesticide & other agricultural chemical mfg	9	2	1	c	D	D	D	D	D	D	D	D
325320	Pesticide & other agricultural chemical mfg	9	2	1	c	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	146	92	23 881	1 370 271	11 348	24 245	429 755	9 373 398	4 058 020	13 421 106	493 255
32541	Pharmaceutical & medicine mfg	-	146	92	23 881	1 370 271	11 348	24 245	429 755	9 373 398	4 058 020	13 421 106	493 255
325411	Medicinal & botanical mfg	2	28	13	3 297	204 117	1 491	3 585	88 941	799 928	585 697	1 401 392	118 668
325412	Pharmaceutical preparation mfg	-	99	64	18 719	1 063 195	9 066	19 143	306 485	8 078 499	3 292 628	11 357 855	317 668
325413	In-vitro diagnostic substance mfg	-	14	11	1 383	83 568	506	886	19 895	456 311	146 578	590 879	51 128
325414	Biological product (except diagnostic) mfg	4	5	4	482	19 391	285	631	14 434	38 660	33 117	70 980	5 791
3255	Paint, coating, & adhesive mfg	1	130	51	3 715	155 831	2 002	4 064	68 480	730 810	745 818	1 471 612	42 358
32551	Paint & coating mfg	2	77	29	2 207	92 515	1 193	2 336	41 162	484 649	450 172	931 857	25 570
325510	Paint & coating mfg	2	77	29	2 207	92 515	1 193	2 336	41 162	484 649	450 172	931 857	25 570
32552	Adhesive mfg	1	53	22	1 508	63 316	809	1 728	27 318	246 161	295 646	539 755	16 788
325520	Adhesive mfg	1	53	22	1 508	63 316	809	1 728	27 318	246 161	295 646	539 755	16 788
3256	Soap, cleaning compound, & toilet preparation mfg ..	3	179	106	15 912	641 138	9 188	17 932	269 002	3 684 800	2 423 523	6 142 968	167 538
32561	Soap & cleaning compound mfg	2	88	44	3 914	175 217	2 400	5 395	86 883	1 131 977	851 485	1 983 798	48 661
325611	Soap & other detergent mfg	2	41	23	1 921	93 566	1 150	2 670	44 425	560 570	415 580	973 520	20 376
325612	Polish & other sanitation good mfg ..	1	28	11	1 295	41 626	916	1 982	25 899	417 250	218 238	636 532	7 435
325613	Surface active agent mfg	3	19	10	698	40 025	334	743	16 559	154 157	217 667	373 746	20 850
32562	Toilet preparation mfg ...	3	91	62	11 998	465 921	6 788	12 537	182 119	2 552 823	1 572 038	4 159 170	118 877
325620	Toilet preparation mfg .	3	91	62	11 998	465 921	6 788	12 537	182 119	2 552 823	1 572 038	4 159 170	118 877
3259	Other chemical product mfg	1	154	71	5 031	208 994	2 987	6 282	101 301	913 624	792 891	1 716 891	50 977
32591	Printing ink mfg	-	33	19	797	33 358	391	824	14 035	111 932	105 827	219 613	2 819
325910	Printing ink mfg	-	33	19	797	33 358	391	824	14 035	111 932	105 827	219 613	2 819
32599	All other chemical product & preparation mfg	1	121	52	4 234	175 636	2 596	5 458	87 266	801 692	687 064	1 497 278	48 158
325991	Custom compounding of purchased resin ...	2	49	26	2 024	77 703	1 356	2 839	40 666	197 052	361 425	563 625	17 683
325992	Photographic film, paper, plate, & chemical mfg	-	17	7	880	44 010	511	1 097	23 824	254 872	106 562	366 686	20 169
325998	All other miscellaneous chemical product & preparation mfg	2	55	19	1 330	53 923	729	1 522	22 776	349 768	219 077	566 967	10 306

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NEW JERSEY—Con.													
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg.....	2	607	337	33 170	1 002 865	25 356	52 043	623 412	2 471 083	2 245 973	4 703 226	203 094
3261	Plastics product mfg.....	2	527	307	30 352	906 556	23 353	47 875	569 973	2 264 793	2 075 294	4 327 583	192 211
32611	Unsupported plastics film, sheet, & bag mfg..	3	98	61	4 909	152 148	3 504	7 049	92 288	384 489	557 936	941 307	29 347
326111	Unsupported plastics bag mfg.....	1	29	22	1 346	35 474	1 032	2 034	21 564	98 765	141 145	240 632	7 316
326112	Unsupported plastics packaging film & sheet mfg.....	5	9	6	482	17 808	358	759	11 929	40 539	60 704	101 933	2 952
326113	Unsupported plastics film & sheet (except packaging) mfg.....	3	60	33	3 081	98 866	2 114	4 256	58 795	245 185	356 087	598 742	19 079
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg.....	1	51	31	1 976	68 446	1 437	2 858	40 498	160 065	109 004	267 445	11 894
326121	Unsupported plastics profile shape mfg....	1	43	26	1 726	61 382	1 260	2 525	36 669	143 232	86 297	228 052	10 657
326122	Plastics pipe & pipe fitting mfg.....	4	8	5	250	7 064	177	333	3 829	16 833	22 707	39 393	1 237
32613	Laminated plastics plate, sheet, & shape mfg....	-	18	5	472	18 334	363	754	10 976	63 100	50 156	112 624	2 833
326130	Laminated plastics plate, sheet, & shape mfg.....	-	18	5	472	18 334	363	754	10 976	63 100	50 156	112 624	2 833
32614	Polystyrene foam product mfg.....	1	12	5	372	11 673	289	634	7 973	34 101	39 687	73 254	1 533
326140	Polystyrene foam product mfg.....	1	12	5	372	11 673	289	634	7 973	34 101	39 687	73 254	1 533
32615	Urethane & other foam product (except polystyrene) mfg.....	2	21	12	1 174	48 356	916	1 927	29 869	84 149	91 551	177 108	9 327
326150	Urethane & other foam product (except polystyrene) mfg....	2	21	12	1 174	48 356	916	1 927	29 869	84 149	91 551	177 108	9 327
32616	Plastics bottle mfg.....	3	30	23	2 426	75 967	1 933	4 087	54 217	194 493	181 342	373 902	26 461
326160	Plastics bottle mfg....	3	30	23	2 426	75 967	1 933	4 087	54 217	194 493	181 342	373 902	26 461
32619	Other plastics product mfg.....	2	297	170	19 023	531 632	14 911	30 566	334 152	1 344 396	1 045 618	2 381 943	110 816
326191	Plastics plumbing fixture mfg.....	3	7	2	c	D	D	D	D	D	D	D	D
326192	Resilient floor covering mfg.....	2	4	3	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	2	286	165	17 407	466 991	13 760	28 191	295 600	1 094 668	896 855	1 983 123	D
3262	Rubber product mfg.....	1	80	30	2 818	96 309	2 003	4 168	53 439	206 290	170 679	375 643	10 883
32621	Tire mfg.....	1	17	1	239	7 805	200	512	5 607	12 963	18 345	31 217	D
326212	Tire retreading.....	1	17	1	239	7 805	200	512	5 607	12 963	18 345	31 217	D
32622	Rubber & plastics hoses & belting mfg.....	-	6	4	250	7 457	145	276	3 680	12 656	14 544	27 392	D
326220	Rubber & plastics hoses & belting mfg..	-	6	4	250	7 457	145	276	3 680	12 656	14 544	27 392	D
32629	Other rubber product mfg.....	1	57	25	2 329	81 047	1 658	3 380	44 152	180 671	137 790	317 034	10 079
326291	Rubber product mfg for mechanical use.....	2	28	11	1 063	36 914	720	1 500	18 623	61 260	41 345	101 880	5 147
326299	All other rubber product mfg.....	1	29	14	1 266	44 133	938	1 880	25 529	119 411	96 445	215 154	4 932
327	Nonmetallic mineral product mfg.....	1	360	148	14 439	507 736	11 073	22 900	355 825	1 307 950	856 739	2 144 930	102 025
3271	Clay product & refractory mfg.....	-	43	19	2 440	76 673	2 005	3 984	58 178	192 385	70 233	256 551	6 937
32711	Pottery, ceramics, & plumbing fixture mfg....	-	24	13	1 994	60 471	1 661	3 245	46 804	143 839	41 069	178 282	4 027
327111	Vitreous china plumbing fixture & bathroom accessories mfg.....	-	4	3	566	19 941	475	984	16 129	52 786	18 162	69 546	1 218
327112	Vitreous china, fine earthenware, & other pottery product mfg..	-	14	5	1 122	30 670	969	1 840	24 546	71 930	16 742	82 950	1 544
327113	Porcelain electrical supply mfg.....	-	6	5	306	9 860	217	421	6 129	19 123	6 165	25 786	1 265
32712	Clay building material & refractories mfg.....	1	19	6	446	16 202	344	739	11 374	48 546	29 164	78 269	2 910
327121	Brick & structural clay tile mfg.....	1	3	2	109	3 400	82	166	2 545	10 351	3 786	14 144	683
327125	Nonclay refractory mfg.....	-	3	2	c	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW JERSEY—Con.												
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product mfg—Con.												
3272	Glass & glass product mfg.	—	102	41	6 793	237 376	5 453	11 234	179 811	564 061	300 644	862 109	59 297
32721	Glass & glass product mfg	—	102	41	6 793	237 376	5 453	11 234	179 811	564 061	300 644	862 109	59 297
327211	Flat glass mfg.	—	1	1	c	D	D	D	D	D	D	D	D
327212	Other pressed & blown glass & glassware mfg	—	21	4	g	D	D	D	D	D	D	D	D
327213	Glass container mfg . .	—	5	5	2 193	81 808	1 784	3 689	65 715	182 455	95 990	276 449	17 413
327215	Glass product mfg made of purchased glass.	1	75	31	2 599	83 211	1 937	3 763	53 290	187 558	119 246	306 838	9 100
3273	Cement & concrete product mfg	3	147	63	3 548	127 251	2 370	5 015	74 925	317 396	320 167	635 846	24 517
32732	Ready-mix concrete mfg.	5	65	32	1 753	66 716	1 238	2 661	44 643	141 969	186 039	328 143	14 605
327320	Ready-mix concrete mfg	5	65	32	1 753	66 716	1 238	2 661	44 643	141 969	186 039	328 143	14 605
32733	Concrete pipe, brick, & block mfg.	—	31	16	971	36 044	610	1 301	17 452	100 176	84 457	181 846	7 963
327331	Concrete block & brick mfg	—	25	13	759	28 900	466	979	13 065	80 911	70 033	147 801	7 457
327332	Concrete pipe mfg. . . .	—	6	3	212	7 144	144	322	4 387	19 265	14 424	34 045	506
32739	Other concrete product mfg	2	46	15	f	D	D	D	D	D	D	D	D
327390	Other concrete product mfg	2	46	15	f	D	D	D	D	D	D	D	D
3274	Lime & gypsum product mfg	—	9	5	419	19 024	334	807	12 776	83 431	60 936	140 070	4 582
32742	Gypsum product mfg. . .	—	8	4	e	D	D	D	D	D	D	D	D
327420	Gypsum product mfg. . .	—	8	4	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg.	2	59	20	1 239	47 412	911	1 860	30 135	150 677	104 759	250 354	6 692
32791	Abrasive product mfg . .	1	15	8	392	15 001	289	601	9 354	36 647	29 891	66 809	1 176
327910	Abrasive product mfg . .	1	15	8	392	15 001	289	601	9 354	36 647	29 891	66 809	1 176
32799	All other nonmetallic mineral product mfg	2	44	12	847	32 411	622	1 259	20 781	114 030	74 868	183 545	5 516
327992	Ground or treated mineral & earth mfg. . .	5	12	6	291	11 564	185	369	5 347	43 474	30 643	67 557	3 277
327993	Mineral wool mfg	1	7	2	315	12 596	264	547	10 498	47 041	27 386	75 387	1 012
327999	All other miscellaneous nonmetallic mineral product mfg.	—	9	4	151	5 855	105	207	3 329	18 921	12 846	31 954	1 045
331	Primary metal mfg	—	139	80	10 746	411 658	7 893	16 307	251 033	1 073 818	1 637 484	2 747 497	101 183
3311	Iron & steel mills & ferroalloy mfg	—	10	8	1 750	90 662	1 213	2 690	56 653	264 320	578 828	824 747	43 960
33111	Iron & steel mills & ferroalloy mfg	—	10	8	1 750	90 662	1 213	2 690	56 653	264 320	578 828	824 747	43 960
331111	Iron & steel mills	—	8	6	g	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product mfg	1	2	2	e	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	1	18	12	1 052	38 379	782	1 587	21 715	91 494	121 892	212 603	11 425
33121	Iron & steel pipes & tubes mfg from purchased steel	2	7	5	409	17 330	288	532	8 779	37 528	53 459	89 244	3 603
331210	Iron & steel pipes & tubes mfg from purchased steel	2	7	5	409	17 330	288	532	8 779	37 528	53 459	89 244	3 603
33122	Rolling & drawing of purchased steel	—	11	7	643	21 049	494	1 055	12 936	53 966	68 433	123 359	7 822
331222	Steel wire drawing	—	8	6	615	20 331	473	1 029	12 422	51 891	64 026	116 832	7 658
3313	Alumina & aluminum production & processing . .	—	4	3	1 352	43 775	1 140	1 856	27 924	98 850	179 199	273 690	D
33131	Alumina & aluminum production & processing	—	4	3	1 352	43 775	1 140	1 856	27 924	98 850	179 199	273 690	D
331315	Aluminum sheet, plate, & foil mfg	—	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	—	2	2	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW JERSEY—Con.												
31-33	Manufacturing—Con.												
331	Primary metal mfg—Con.												
3314	Nonferrous metal (except aluminum) production & processing.....	1	54	29	3 349	130 248	2 337	4 990	75 113	305 821	558 412	926 729	25 578
33141	Nonferrous metal (except aluminum) smelting & refining.....	—	10	3	563	23 195	310	775	8 831	63 136	93 394	157 232	8 226
331419	Other nonferrous metal primary smelting & refining.....	—	10	3	563	23 195	310	775	8 831	63 136	93 394	157 232	8 226
33142	Copper rolling, drawing, extruding, & alloying ...	—	13	12	1 142	36 128	858	1 846	22 758	108 515	114 518	225 254	7 232
331421	Copper rolling, drawing, & extruding .	—	10	9	935	28 145	728	1 579	19 052	59 968	87 389	149 860	6 076
331423	Secondary smelting, refining, & alloying of copper	—	3	3	207	7 983	130	267	3 706	48 547	27 129	75 394	1 156
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	2	31	14	1 644	70 925	1 169	2 369	43 524	134 170	350 500	544 243	10 120
331491	Other nonferrous metal rolling, drawing, & extruding	4	17	8	1 149	50 064	840	1 739	32 371	50 529	154 533	267 298	6 525
331492	Other nonferrous metal secondary smelting, refining, & alloying ...	—	14	6	495	20 861	329	630	11 153	83 641	195 967	276 945	3 595
3315	Foundries	—	53	28	3 243	108 594	2 421	5 184	69 628	313 333	199 153	509 728	D
33151	Ferrous metal foundries ..	—	14	8	1 991	75 059	1 465	3 306	48 328	231 092	151 353	383 554	8 458
331511	Iron foundries	—	10	5	g	D	D	D	D	D	D	D	D
331512	Steel investment foundries	—	4	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	39	20	1 252	33 535	956	1 878	21 300	82 241	47 800	126 174	D
331521	Aluminum die-casting foundries	—	5	2	e	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	—	11	6	346	9 252	269	506	5 614	21 825	12 426	34 019	881
331524	Aluminum foundries (except die-casting) ..	—	12	4	331	9 252	250	546	6 017	19 490	7 636	26 890	785
331525	Copper foundries (except die-casting) ..	2	7	5	209	6 614	155	354	4 257	15 590	12 933	25 234	D
331528	Other nonferrous foundries (except die-casting)	—	4	3	c	D	D	D	D	D	D	D	95
332	Fabricated metal product mfg	1	1 806	482	39 023	1 418 613	27 790	59 031	837 637	2 912 327	2 360 322	5 282 040	157 283
3321	Forging & stamping	—	118	50	3 790	144 554	2 845	5 834	86 516	276 689	212 042	485 673	14 213
33211	Forging & stamping	—	118	50	3 790	144 554	2 845	5 834	86 516	276 689	212 042	485 673	14 213
332111	Iron & steel forging	1	7	2	192	7 507	139	305	4 451	16 651	18 910	34 490	1 751
332114	Custom roll forming	—	7	4	193	8 063	148	310	4 313	18 883	28 626	47 317	D
332116	Metal stamping	1	101	41	3 211	123 694	2 431	5 010	74 729	227 557	154 895	379 131	11 299
332117	Powder metallurgy part mfg	—	2	2	c	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg	3	54	20	2 039	57 924	1 531	3 065	33 831	159 754	102 746	261 071	6 877
33221	Cutlery & handtool mfg ..	3	54	20	2 039	57 924	1 531	3 065	33 831	159 754	102 746	261 071	6 877
332211	Cutlery & flatware (except precious) mfg	—	7	6	423	11 195	338	703	6 944	39 467	28 382	67 515	1 700
332212	Hand & edge tool mfg ..	5	41	11	1 395	40 580	1 059	2 129	23 866	95 648	52 027	146 393	4 660
332213	Saw blade & handsaw mfg	1	4	2	c	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	1	363	104	7 971	276 989	5 655	11 978	162 476	605 401	618 381	1 204 866	25 391
33231	Plate work & fabricated structural product mfg ..	—	101	23	1 700	61 291	1 179	2 499	35 160	136 603	187 180	325 114	4 557
332311	Prefabricated metal building & component mfg	—	7	3	141	5 022	93	201	2 428	8 745	14 194	23 029	196
332312	Fabricated structural metal mfg	—	77	14	1 216	43 612	853	1 704	25 576	102 772	156 943	260 571	2 827
332313	Plate work mfg	—	17	6	343	12 657	233	594	7 156	25 086	16 043	41 514	1 534
33232	Ornamental & architectural metal products mfg	1	262	81	6 271	215 698	4 476	9 479	127 316	468 798	431 201	879 752	20 834
332321	Metal window & door mfg	1	41	17	1 169	33 955	813	1 653	18 180	66 096	55 964	122 107	947
332322	Sheet metal work mfg ..	—	165	56	4 481	158 500	3 278	7 074	98 459	346 605	328 886	655 375	18 597
332323	Ornamental & architectural metal work mfg	2	56	8	621	23 243	385	752	10 677	56 097	46 351	102 270	1 290

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3324	Boiler, tank, & shipping container mfg	1	55	27	2 369	95 040	1 696	3 593	60 845	198 238	290 215	495 544	12 678
33241	Power boiler & heat exchanger mfg	1	15	7	518	18 445	314	606	9 145	38 709	43 575	81 065	1 746
332410	Power boiler & heat exchanger mfg	1	15	7	518	18 445	314	606	9 145	38 709	43 575	81 065	1 746
33242	Metal tank (heavy gauge) mfg	—	13	9	478	21 135	307	641	10 632	24 848	30 893	59 970	1 025
332420	Metal tank (heavy gauge) mfg	—	13	9	478	21 135	307	641	10 632	24 848	30 893	59 970	1 025
33243	Metal can, box, & other metal container (light gauge) mfg	1	27	11	1 373	55 460	1 075	2 346	41 068	134 681	215 747	354 509	9 907
332431	Metal can mfg	—	9	6	792	38 247	604	1 441	29 559	107 341	151 519	260 895	6 767
332439	Other metal container mfg	2	18	5	581	17 213	471	905	11 509	27 340	64 228	93 614	3 140
3325	Hardware mfg	—	19	5	1 104	52 151	868	2 365	41 531	78 902	150 215	230 646	1 090
33251	Hardware mfg	—	19	5	1 104	52 151	868	2 365	41 531	78 902	150 215	230 646	1 090
332510	Hardware mfg	—	19	5	1 104	52 151	868	2 365	41 531	78 902	150 215	230 646	1 090
3326	Spring & wire product mfg	1	67	26	1 860	55 621	1 406	2 744	31 260	112 375	82 936	195 799	7 396
33261	Spring & wire product mfg	1	67	26	1 860	55 621	1 406	2 744	31 260	112 375	82 936	195 799	7 396
332612	Spring (light gauge) mfg	7	6	2	c	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg	1	60	24	1 721	51 285	1 297	2 536	28 364	103 097	75 709	179 309	6 760
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	760	124	9 503	358 079	6 840	15 260	219 398	667 671	395 631	1 075 456	45 681
33271	Machine shops	1	637	81	6 595	247 907	4 776	9 418	152 260	435 404	278 192	731 310	29 755
332710	Machine shops	1	637	81	6 595	247 907	4 776	9 418	152 260	435 404	278 192	731 310	29 755
33272	Turned product & screw, nut, & bolt mfg	2	123	43	2 908	110 172	2 064	5 842	67 138	232 267	117 439	344 146	15 926
332721	Precision turned product mfg	1	84	24	1 556	56 965	1 217	4 149	37 975	96 985	36 546	133 873	5 544
332722	Bolt, nut, screw, rivet, & washer mfg	3	39	19	1 352	53 207	847	1 693	29 163	135 282	80 893	210 273	10 382
3328	Coating, engraving, heat treating, & allied activities	1	186	62	3 487	113 204	2 594	5 241	65 303	224 768	97 886	320 688	16 481
33281	Coating, engraving, heat treating, & allied activities	1	186	62	3 487	113 204	2 594	5 241	65 303	224 768	97 886	320 688	16 481
332811	Metal heat treating	2	20	11	523	18 185	394	816	11 097	39 899	16 925	56 848	1 827
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	—	60	19	1 174	37 197	904	1 875	23 093	75 876	27 500	101 677	9 238
332813	Electroplating, plating, polishing, anodizing, & coloring	1	106	32	1 790	57 822	1 296	2 550	31 113	108 993	53 461	162 163	5 416
3329	Other fabricated metal product mfg	—	184	64	6 900	265 051	4 355	8 951	136 477	588 529	410 270	1 012 297	27 476
33291	Metal valve mfg	—	37	23	2 982	127 414	1 546	3 259	52 102	265 463	169 892	446 740	9 686
332911	Industrial valve mfg	—	20	16	2 403	105 524	1 176	2 458	42 003	227 874	119 987	357 966	8 651
332912	Fluid power valve & hose fitting mfg	—	10	4	402	16 704	234	520	6 839	29 124	38 001	67 838	763
332919	Other metal valve & pipe fitting mfg	—	6	3	c	D	D	D	D	D	D	D	272
33299	All other fabricated metal product mfg	—	147	41	3 918	137 637	2 809	5 692	84 375	323 066	240 378	565 557	17 790
332991	Ball & roller bearing mfg	1	6	4	570	23 802	423	870	15 494	65 565	28 637	92 917	5 671
332993	Ammunition (except small arms) mfg	—	3	1	c	D	D	D	D	D	D	D	D
332996	Fabricated pipe & pipe fitting mfg	1	28	7	700	19 631	488	922	10 922	42 701	32 266	74 883	3 054
332997	Industrial pattern mfg	3	14	1	120	3 825	99	177	2 868	6 214	2 402	8 563	357
332999	All other miscellaneous fabricated metal product mfg	—	90	27	2 284	81 781	1 608	3 323	49 234	197 859	156 115	353 731	8 101
333	Machinery mfg	1	915	280	25 858	1 028 577	15 712	32 264	511 837	2 153 163	2 050 556	4 187 160	122 647
3331	Agriculture, construction, & mining machinery mfg	6	19	5	450	19 305	269	502	8 908	38 595	43 421	83 565	2 407
33311	Agricultural implement mfg	—	4	2	c	D	D	D	D	D	D	D	205
333111	Farm machinery & equipment mfg	—	3	1	c	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	8	10	1	204	10 420	136	288	5 799	21 702	27 773	50 912	1 471
333120	Construction machinery mfg	8	10	1	204	10 420	136	288	5 799	21 702	27 773	50 912	1 471
33313	Mining & oil & gas field machinery mfg	5	5	2	c	D	D	D	D	D	D	D	731

Table 1. Industry Statistics for the State: 1997—Con.

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
333	Machinery mfg—Con.												
3332	Industrial machinery mfg ..	1	187	67	5 194	231 900	2 844	5 951	109 655	521 859	583 401	1 089 627	32 964
33322	Plastics & rubber industry machinery mfg	1	15	4	329	14 884	172	375	7 022	35 471	38 486	74 884	D
333220	Plastics & rubber industry machinery mfg	1	15	4	329	14 884	172	375	7 022	35 471	38 486	74 884	D
33329	Other industrial machinery mfg	1	169	62	4 818	215 186	2 643	5 506	101 712	484 328	541 970	1 009 732	32 064
333291	Paper industry machinery mfg	—	16	7	1 236	62 571	540	1 229	26 623	166 691	290 091	439 081	14 914
333292	Textile machinery mfg	2	21	6	300	11 659	200	352	7 228	18 016	14 090	33 207	651
333293	Printing machinery & equipment mfg	—	34	12	723	33 014	379	718	16 635	74 448	51 680	126 306	3 387
333294	Food product machinery mfg	1	17	4	220	7 989	136	266	4 015	28 820	24 444	53 169	688
333295	Semiconductor machinery mfg	6	5	3	443	21 518	263	654	9 719	44 216	34 592	79 079	3 215
333298	All other industrial machinery mfg	1	76	30	1 896	78 435	1 125	2 287	37 492	152 137	127 073	278 890	9 209
3333	Commercial & service industry machinery mfg ..	3	100	38	4 123	142 948	2 023	4 181	50 265	273 539	263 461	530 373	13 999
33331	Commercial & service industry machinery mfg	3	100	38	4 123	142 948	2 023	4 181	50 265	273 539	263 461	530 373	13 999
333313	Office machinery mfg	5	7	5	f	D	D	D	D	D	D	D	3 186
333314	Optical instrument & lens mfg	1	22	9	655	23 928	295	626	8 714	69 598	38 128	99 851	D
333315	Photographic & photocopying equipment mfg	3	27	8	663	20 931	372	684	7 982	37 742	54 193	98 044	3 115
333319	Other commercial & service industry machinery mfg	4	42	15	1 954	62 771	1 084	2 290	25 907	117 676	115 437	228 653	5 029
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	49	23	3 711	114 797	3 097	6 240	84 327	326 912	328 000	665 659	19 413
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	—	49	23	3 711	114 797	3 097	6 240	84 327	326 912	328 000	665 659	19 413
333411	Air purification equipment mfg	—	10	5	e	D	D	D	D	D	D	D	1 986
333412	Industrial & commercial fan & blower mfg	—	4	1	c	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) mfg	—	21	8	515	17 674	393	782	9 954	35 844	26 897	62 253	D
333415	AC & warm air heating & commercial/ industrial refriger equip mfg	—	14	9	2 712	80 770	2 336	4 632	64 783	265 535	266 864	537 651	12 923
3335	Metalworking machinery mfg	2	292	47	3 695	149 464	2 758	5 871	96 874	274 853	131 317	401 788	19 759
33351	Metalworking machinery mfg	2	292	47	3 695	149 464	2 758	5 871	96 874	274 853	131 317	401 788	19 759
333511	Industrial mold mfg	—	92	18	1 256	56 412	1 014	2 203	39 653	89 789	30 631	119 270	6 434
333512	Machine tool (metal cutting types) mfg ..	7	7	2	131	5 609	88	185	2 880	9 006	7 701	16 324	545
333514	Special die & tool, die set, jig, & fixture mfg ..	2	128	11	1 347	48 049	1 049	2 182	33 163	81 168	31 257	111 877	4 692
333515	Cutting tool & machine tool accessory mfg ..	2	45	6	539	19 394	369	773	12 133	53 022	18 284	71 445	5 261
333518	Other metalworking machinery mfg	3	15	9	378	17 960	210	467	8 078	38 853	40 714	76 669	2 768
3336	Engine, turbine, & power transmission equipment mfg	—	25	11	1 256	59 457	657	1 135	27 548	76 520	126 915	204 797	6 651
33361	Engine, turbine, & power transmission equipment mfg	—	25	11	1 256	59 457	657	1 135	27 548	76 520	126 915	204 797	6 651
333611	Turbine & turbine generator set unit mfg	—	2	1	f	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, & gear mfg	—	11	4	327	13 202	191	386	6 896	34 323	20 879	55 701	1 764
333613	Mechanical power transmission equipment mfg	—	7	4	322	11 229	209	415	6 266	28 158	10 878	38 854	D
3339	Other general-purpose machinery mfg	2	243	89	7 429	310 706	4 064	8 384	134 260	640 885	574 041	1 211 351	27 454

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
333	Machinery mfg—Con.												
3339	Other general-purpose machinery mfg—Con.												
33391	Pump & compressor mfg	1	22	9	1 337	59 655	743	1 499	24 180	109 003	127 613	246 376	4 466
333911	Pump & pumping equipment mfg	—	13	5	805	36 939	413	844	14 964	63 225	83 768	151 734	2 778
333912	Air & gas compressor mfg	1	8	3	e	D	D	D	D	D	D	D	D
333913	Measuring & dispensing pump mfg	9	1	1	c	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	1	54	23	1 748	67 591	1 009	2 056	33 004	138 111	133 936	266 893	5 332
333921	Elevator & moving stairway mfg	3	10	5	205	7 672	170	361	5 361	17 486	13 688	31 810	1 276
333922	Conveyor & conveying equipment mfg	—	30	10	1 025	38 849	524	1 030	17 413	69 776	80 772	147 832	2 650
333923	Overhead traveling crane, hoist, & monorail system mfg	—	8	4	281	13 239	149	307	5 732	36 820	17 442	51 551	674
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	—	6	4	237	7 831	166	358	4 498	14 029	22 034	35 700	732
33399	All other general-purpose machinery mfg	3	167	57	4 344	183 460	2 312	4 829	77 076	393 771	312 492	698 082	17 656
333992	Welding & soldering equipment mfg	—	7	3	175	6 935	76	156	2 575	14 892	9 083	24 088	657
333993	Packaging machinery mfg	2	43	20	1 227	47 813	576	1 149	18 744	86 874	61 937	149 212	2 274
333994	Industrial process furnace & oven mfg ..	5	29	11	1 112	51 272	559	1 282	21 961	133 263	146 545	270 932	5 663
333995	Fluid power cylinder & actuator mfg	—	5	2	306	9 095	91	229	2 754	14 205	9 469	24 107	901
333999	All other miscellaneous general-purpose machinery mfg	1	74	21	1 457	65 951	968	1 925	29 796	139 593	81 703	221 071	7 931
334	Computer & electronic product mfg	2	640	276	39 058	1 764 314	21 546	42 452	738 789	4 057 699	2 638 580	6 742 332	290 187
3341	Computer & peripheral equipment mfg	2	41	14	1 186	44 832	529	1 185	17 042	100 262	98 772	200 688	4 849
33411	Computer & peripheral equipment mfg	2	41	14	1 186	44 832	529	1 185	17 042	100 262	98 772	200 688	4 849
334111	Electronic computer mfg	3	14	6	286	9 025	111	223	2 963	21 760	47 962	69 937	1 104
334112	Computer storage device mfg	8	5	2	c	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg	1	20	6	783	29 668	363	817	9 951	63 835	38 184	103 228	1 838
3342	Communications equipment mfg	3	111	58	10 594	527 551	5 038	10 212	184 402	1 124 292	859 254	2 034 405	98 764
33421	Telephone apparatus mfg	—	24	12	1 492	66 301	786	1 384	23 996	207 412	229 820	446 538	15 750
334210	Telephone apparatus mfg	—	24	12	1 492	66 301	786	1 384	23 996	207 412	229 820	446 538	15 750
33422	Radio & TV broadcasting & wireless communications equipment mfg	4	61	42	8 130	423 331	3 762	7 844	148 772	784 752	560 699	1 384 961	78 072
334220	Radio & TV broadcasting & wireless communications equipment mfg	4	61	42	8 130	423 331	3 762	7 844	148 772	784 752	560 699	1 384 961	78 072
33429	Other communications equipment mfg	—	26	4	972	37 919	490	984	11 634	132 128	68 735	202 906	4 942
334290	Other communications equipment mfg	—	26	4	972	37 919	490	984	11 634	132 128	68 735	202 906	4 942
3343	Audio & video equipment mfg	9	15	2	487	13 918	337	726	7 592	15 280	40 173	55 318	1 170
33431	Audio & video equipment mfg	9	15	2	487	13 918	337	726	7 592	15 280	40 173	55 318	1 170
334310	Audio & video equipment mfg	9	15	2	487	13 918	337	726	7 592	15 280	40 173	55 318	1 170
3344	Semiconductor & other electronic component mfg	2	224	111	10 828	377 200	7 542	14 680	192 866	963 129	601 146	1 534 617	105 125

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con. Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg—Con.												
33441	Semiconductor & other electronic component mfg	2	224	111	10 828	377 200	7 542	14 680	192 866	963 129	601 146	1 534 617	105 125
334411	Electron tube mfg	1	12	8	575	17 610	409	657	9 859	35 370	26 648	63 671	1 081
334412	Bare printed circuit board mfg	2	37	12	804	21 601	580	1 015	11 254	42 099	40 265	82 035	5 185
334413	Semiconductor & related device mfg ...	2	41	20	1 994	81 694	1 320	2 476	35 728	247 052	70 651	307 171	74 536
334414	Electronic capacitor mfg	—	5	3	363	11 817	242	542	4 903	23 796	10 780	34 269	1 182
334415	Electronic resistor mfg	1	6	3	374	11 441	289	482	5 708	30 479	10 344	41 134	1 346
334416	Electronic coil, transformer, & other inductor mfg	1	16	8	796	24 421	601	1 267	13 833	48 297	18 951	66 615	1 350
334417	Electronic connector mfg	4	17	11	1 055	30 361	578	1 152	15 422	75 324	71 166	135 185	4 630
334418	Printed circuit assembly (electronic assembly) mfg	4	16	13	815	34 360	471	976	13 699	80 967	93 435	175 230	5 602
334419	Other electronic component mfg	1	74	33	4 052	143 895	3 052	6 113	82 460	379 745	258 906	629 307	10 213
3345	Navigational, measuring, medical, & control instruments mfg	—	216	84	14 738	754 330	7 261	13 872	304 211	1 764 616	980 989	2 768 814	67 450
33451	Navigational, measuring, medical, & control instruments mfg	—	216	84	14 738	754 330	7 261	13 872	304 211	1 764 616	980 989	2 768 814	67 450
334510	Electromedical & electrotherapeutic apparatus mfg	1	25	14	1 688	73 651	604	1 091	18 375	199 325	112 584	310 946	13 092
334511	Search, detection, navigation, & guidance instrument mfg	—	39	17	9 015	501 230	4 906	9 297	229 981	1 169 747	496 106	1 680 172	33 347
334512	Automatic environmental control mfg	7	9	2	121	4 644	59	117	1 791	13 400	5 783	19 259	351
334513	Industrial process control instrument mfg	6	33	6	434	18 161	201	396	5 381	37 325	20 599	59 248	1 312
334515	Electricity measuring & testing instrument mfg	—	36	15	999	43 514	487	979	15 690	118 008	87 139	200 905	8 913
334516	Analytical laboratory instrument mfg	—	31	15	1 434	71 319	476	986	19 224	136 196	201 890	350 564	6 196
334517	Irradiation apparatus mfg	9	7	1	109	4 317	56	86	1 689	10 929	8 075	19 300	579
334519	Other measuring & controlling device mfg	1	27	12	815	31 994	397	774	10 312	65 043	39 124	104 610	2 696
3346	Mfg & reproducing magnetic & optical media .	2	33	7	1 225	46 483	839	1 777	32 676	90 120	58 246	148 490	12 829
33461	Mfg & reproducing magnetic & optical media	2	33	7	1 225	46 483	839	1 777	32 676	90 120	58 246	148 490	12 829
334612	Prerecorded CD (except software), tape, & record reproducing	1	23	6	1 155	44 542	784	1 683	31 488	85 263	54 381	139 705	12 017
335	Electrical equipment, appliance, & component mfg	1	271	120	10 893	345 482	7 867	15 183	204 167	881 697	718 034	1 597 964	37 398
3351	Electric lighting equipment mfg	—	66	32	2 775	77 481	2 117	3 873	46 623	246 929	214 305	461 216	6 658
33511	Electric lamp bulb & part mfg	—	7	3	374	10 883	293	565	7 685	45 246	19 342	66 507	1 200
335110	Electric lamp bulb & part mfg	—	7	3	374	10 883	293	565	7 685	45 246	19 342	66 507	1 200
33512	Lighting fixture mfg	—	59	29	2 401	66 598	1 824	3 308	38 938	201 683	194 963	394 709	5 458
335121	Residential electric lighting fixture mfg ...	1	26	12	1 046	19 916	850	1 259	13 213	45 175	59 380	103 768	1 533
335122	Commercial/industrial/institutional electric lighting fixture mfg ...	—	19	11	984	33 122	740	1 560	19 490	107 660	92 372	199 384	2 173
335129	Other lighting equipment mfg	—	14	6	371	13 560	234	489	6 235	48 848	43 211	91 557	1 752
3352	Household appliance mfg..	2	12	4	326	6 516	275	508	4 208	14 631	17 525	32 191	643
33521	Small electrical appliance mfg	4	7	2	213	3 616	182	346	2 504	12 027	6 869	18 818	D
335211	Electric housewares & household fan mfg ...	1	5	1	c	D	D	D	D	D	D	D	93
33522	Major appliance mfg	—	5	2	113	2 900	93	162	1 704	2 604	10 656	13 373	D

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW JERSEY—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3353	Electrical equipment mfg ..	2	102	30	2 848	96 232	1 894	3 808	51 266	187 221	143 175	329 245	10 060
33531	Electrical equipment mfg	2	102	30	2 848	96 232	1 894	3 808	51 266	187 221	143 175	329 245	10 060
335311	Power, distribution, & specialty transformer mfg	3	19	7	630	20 383	492	1 108	14 098	46 021	38 047	85 305	3 950
335312	Motor & generator mfg	2	17	5	379	12 617	248	496	6 888	26 921	14 929	40 659	473
335313	Switchgear & switchboard apparatus mfg	1	21	7	1 036	35 464	677	1 243	18 914	63 850	57 204	119 511	4 051
335314	Relay & industrial control mfg	2	45	11	803	27 768	477	961	11 366	50 429	32 995	83 770	1 586
3359	Other electrical equipment & component mfg	1	91	54	4 944	165 253	3 581	6 994	102 070	432 916	343 029	775 312	20 037
33591	Battery mfg	2	7	5	1 134	39 178	918	1 721	30 950	129 480	72 977	202 997	6 766
335911	Storage battery mfg	2	5	3	f	D	D	D	D	D	D	D	D
335912	Primary battery mfg	—	2	2	e	D	D	D	D	D	D	D	D
33592	Communication & energy wire & cable mfg	1	13	11	775	25 254	510	1 110	13 885	59 212	73 380	130 401	3 426
335921	Fiber optic cable mfg ..	3	3	3	102	3 850	52	109	1 671	13 120	12 352	25 747	D
335929	Other communication & energy wire mfg	—	10	8	673	21 404	458	1 001	12 214	46 092	61 028	104 654	D
33593	Wiring device mfg	1	31	17	1 290	40 704	1 038	2 178	29 015	118 131	95 134	214 369	4 155
335931	Current-carrying wiring device mfg	1	25	13	833	26 039	668	1 372	18 429	76 927	53 511	131 126	2 664
335932	Noncurrent-carrying wiring device mfg	2	6	4	457	14 665	370	806	10 586	41 204	41 623	83 243	1 491
33599	All other electrical equipment & component mfg	1	40	21	1 745	60 117	1 115	1 985	28 220	126 093	101 538	227 545	5 690
335991	Carbon & graphite product mfg	2	4	4	257	9 139	202	406	5 994	22 608	10 406	33 227	2 322
335999	All other miscellaneous electrical equipment & component mfg	1	36	17	1 488	50 978	913	1 579	22 226	103 485	91 132	194 318	3 368
336	Transportation equipment mfg	—	187	57	10 683	443 387	8 519	17 696	325 293	1 740 905	3 377 172	5 119 326	144 103
3361	Motor vehicle mfg	—	6	3	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	—	5	2	h	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	—	4	2	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg	—	17	5	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg	—	17	5	e	D	D	D	D	D	D	D	D
336211	Motor vehicle body mfg	—	10	4	e	D	D	D	D	D	D	D	D
336212	Truck trailer mfg	—	5	1	c	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	2	95	24	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg	1	22	5	587	19 093	448	804	10 994	42 297	88 066	144 257	4 856
336312	Gasoline engine & engine parts mfg	1	19	5	565	18 459	431	770	10 512	40 963	87 199	142 064	4 743
33632	Motor vehicle electrical & electronic equipment mfg	3	27	6	589	18 748	418	820	11 134	36 096	38 387	77 121	2 968
336322	Other motor vehicle electrical & electronic equipment mfg	4	25	5	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg	1	6	3	158	3 896	116	186	1 948	8 013	11 535	20 049	205
336340	Motor vehicle brake system mfg	1	6	3	158	3 896	116	186	1 948	8 013	11 535	20 049	205
33635	Motor vehicle transmission & power train parts mfg	—	3	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg	—	3	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg	4	28	7	405	13 125	270	469	6 999	48 692	47 360	94 215	3 181
336399	All other motor vehicle parts mfg	4	28	7	405	13 125	270	469	6 999	48 692	47 360	94 215	3 181

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NEW JERSEY—Con.													
31-33	Manufacturing—Con.												
336	Transportation equipment mfg—Con.												
3364	Aerospace product & parts mfg	—	26	11	2 166	86 575	1 318	2 750	41 805	191 540	117 471	311 750	12 711
33641	Aerospace product & parts mfg	—	26	11	2 166	86 575	1 318	2 750	41 805	191 540	117 471	311 750	12 711
336412	Aircraft engine & engine parts mfg	—	3	2	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	—	20	7	1 373	50 800	864	1 795	21 994	111 436	31 690	142 752	7 919
3366	Ship & boat building	1	37	12	1 671	45 123	1 435	2 949	36 394	86 929	106 709	192 607	D
33661	Ship & boat building	1	37	12	1 671	45 123	1 435	2 949	36 394	86 929	106 709	192 607	D
336611	Ship building & repairing	2	17	7	864	24 449	753	1 600	20 040	23 658	43 163	66 821	D
336612	Boat building	1	20	5	807	20 674	682	1 349	16 354	63 271	63 546	125 786	D
337	Furniture & related product mfg	3	534	113	8 920	262 569	6 883	13 317	166 415	532 523	477 114	1 008 286	24 055
3371	Household & institutional furniture & kitchen cabinet mfg	3	350	46	3 414	94 583	2 797	5 194	66 102	174 645	146 507	321 015	6 994
33711	Wood kitchen cabinet & counter top mfg	2	186	14	1 286	36 331	1 044	1 888	25 166	62 276	49 319	111 074	3 155
337110	Wood kitchen cabinet & counter top mfg ...	2	186	14	1 286	36 331	1 044	1 888	25 166	62 276	49 319	111 074	3 155
33712	Household & institutional furniture mfg	3	164	32	2 128	58 252	1 753	3 306	40 936	112 369	97 188	209 941	3 839
337121	Upholstered household furniture mfg	2	28	6	458	12 263	382	771	9 619	24 810	21 688	46 446	537
337122	Nonupholstered wood household furniture mfg	4	92	11	775	18 842	658	1 130	14 300	34 276	35 695	70 001	1 876
337127	Institutional furniture mfg	4	34	14	785	23 229	623	1 239	14 007	45 626	31 370	77 381	1 244
3372	Office furniture (including fixtures) mfg	3	143	50	3 743	121 764	2 749	5 313	70 545	231 828	181 733	412 284	10 042
33721	Office furniture (including fixtures) mfg	3	143	50	3 743	121 764	2 749	5 313	70 545	231 828	181 733	412 284	10 042
337211	Wood office furniture mfg	3	19	7	353	9 552	284	582	6 743	14 770	9 610	24 386	1 265
337212	Custom architectural woodwork & millwork mfg	1	34	10	576	23 167	416	822	14 020	46 010	25 574	73 228	1 447
337214	Office furniture (except wood) mfg	1	11	1	279	6 743	211	356	4 470	18 933	19 396	38 504	1 064
337215	Showcase, partition, shelving, & locker mfg	4	79	32	2 535	82 302	1 838	3 553	45 312	152 115	127 153	276 166	6 266
3379	Other furniture related product mfg	1	41	17	1 763	46 222	1 337	2 810	29 768	126 050	148 874	274 987	7 019
33791	Mattress mfg	2	18	10	908	25 715	719	1 522	16 731	87 091	88 001	177 112	5 611
337910	Mattress mfg	2	18	10	908	25 715	719	1 522	16 731	87 091	88 001	177 112	5 611
33792	Blind & shade mfg	—	23	7	855	20 507	618	1 288	13 037	38 959	60 873	97 875	1 408
337920	Blind & shade mfg	—	23	7	855	20 507	618	1 288	13 037	38 959	60 873	97 875	1 408
339	Miscellaneous mfg	1	979	224	26 551	982 265	16 647	31 778	397 209	2 416 259	1 468 865	3 876 955	173 571
3391	Medical equipment & supplies mfg	1	428	88	12 756	582 164	7 052	13 346	196 579	1 430 289	602 573	2 032 289	119 076
33911	Medical equipment & supplies mfg	1	428	88	12 756	582 164	7 052	13 346	196 579	1 430 289	602 573	2 032 289	119 076
339111	Laboratory apparatus & furniture mfg	—	23	10	1 477	50 771	804	1 465	18 314	115 198	52 660	166 172	4 260
339112	Surgical & medical instrument mfg	2	58	27	2 110	85 825	1 269	2 440	33 136	253 490	100 313	350 681	17 931
339113	Surgical appliance & supplies mfg	—	53	26	6 521	369 787	3 160	5 949	104 449	893 085	379 188	1 276 888	87 971
339114	Dental equipment & supplies mfg	—	31	9	783	27 207	469	951	10 273	60 192	27 965	86 910	2 279
339115	Ophthalmic goods mfg	9	21	5	663	13 925	432	888	7 467	34 429	16 347	50 954	4 737
339116	Dental laboratories ...	5	242	11	1 202	34 649	918	1 653	22 940	73 895	26 100	100 684	1 898
3399	Other miscellaneous mfg ...	1	551	136	13 795	400 101	9 595	18 432	200 630	985 970	866 292	1 844 666	54 495
33991	Jewelry & silverware mfg	1	98	22	2 082	64 939	1 418	2 642	31 889	157 776	226 598	384 578	4 488
339911	Jewelry (except costume) mfg	2	62	12	1 594	51 055	1 080	1 946	24 289	121 371	186 490	308 107	3 549
339912	Silverware & plated ware mfg	—	7	4	187	5 533	111	249	3 069	17 136	10 683	27 904	310
339913	Jewelers' material & lapidary work mfg ...	1	12	5	192	5 991	146	309	3 280	14 533	26 643	41 115	475
339914	Costume jewelry & novelty mfg	7	17	1	109	2 360	81	138	1 251	4 736	2 782	7 452	154
33992	Sporting & athletic goods mfg	1	37	10	1 253	30 354	985	1 911	18 230	75 597	69 374	142 840	3 433
339920	Sporting & athletic goods mfg	1	37	10	1 253	30 354	985	1 911	18 230	75 597	69 374	142 840	3 433

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW JERSEY—Con.												
	Manufacturing—Con.												
339	Miscellaneous mfg—Con.												
3399	Other miscellaneous mfg—Con.												
33993	Doll, toy, & game mfg ...	—	29	10	1 723	39 089	1 402	2 804	21 422	166 084	109 525	275 236	10 634
339932	Game, toy, & children's vehicle mfg	—	24	9	1 637	37 061	1 360	2 727	20 556	154 662	103 549	256 579	D
33994	Office supplies (except paper) mfg	2	62	20	1 774	52 684	1 107	2 147	27 110	132 579	99 044	229 660	7 215
339941	Pen & mechanical pencil mfg	4	17	5	382	10 900	319	622	7 224	27 545	19 249	46 627	1 564
339942	Lead pencil & art good mfg	2	13	7	634	21 476	371	699	8 834	55 843	34 991	90 707	2 756
339943	Marking device mfg ...	1	23	4	324	8 509	215	422	4 451	21 805	17 082	38 407	1 483
339944	Carbon paper & inked ribbon mfg	—	9	4	434	11 799	202	404	6 601	27 386	27 722	53 919	1 412
33995	Sign mfg	1	193	38	3 944	127 025	2 714	5 183	59 131	260 547	195 904	452 376	10 535
339950	Sign mfg	1	193	38	3 944	127 025	2 714	5 183	59 131	260 547	195 904	452 376	10 535
33999	All other miscellaneous mfg	1	132	36	3 019	86 010	1 969	3 745	42 848	193 387	165 847	359 976	18 190
339991	Gasket, packing, & sealing device mfg ...	2	26	8	914	28 006	526	1 116	14 977	58 210	51 587	109 810	4 838
339993	Fastener, button, needle, & pin mfg ...	1	10	3	178	5 410	147	299	3 717	12 617	7 436	20 042	1 002
339994	Broom, brush, & mop mfg	—	15	6	333	9 191	241	448	5 527	26 076	33 079	58 896	1 454
339999	All other miscellaneous mfg	1	66	19	1 509	41 305	990	1 765	17 259	90 638	71 145	162 779	10 793

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 2. Industry Statistics for Metropolitan Areas: 1997

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW YORK–NORTHERN NEW JERSEY–LONG ISLAND, NY–NJ–CT–PA CMSA												
	Manufacturing	1	29 610	8 242	837 259	29 316 270	556 831	1 099 707	14 974 104	88 559 145	75 447 144	164 000 119	5 662 912
	New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA (CT Part)	1	3 136	1 014	126 073	5 105 182	77 123	159 649	2 450 980	15 589 132	10 842 000	26 362 516	999 073
	New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA (NJ Part)	1	9 881	3 185	336 041	12 775 550	224 381	456 137	6 591 608	41 940 178	37 053 679	78 851 460	2 605 396
	New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA (NY Part)	2	16 565	4 039	374 810	11 425 439	255 150	483 656	5 928 336	31 004 045	27 448 245	58 649 812	2 055 055
	New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA (PA Part)	—	28	4	335	10 099	177	265	3 180	25 790	103 220	136 331	3 388
311	Food mfg	2	2 571	447	i	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	2	100	32	i	D	D	D	D	D	D	D	D
313	Textile mills	3	922	248	j	D	D	D	D	D	D	D	D
314	Textile product mills	2	809	173	j	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
31-33	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.													
	Manufacturing—Con.													
315	Apparel mfg	3	4 418	1 362	m	D	D	D	D	D	D	D	D	
316	Leather & allied product mfg .	1	230	55	i	D	D	D	D	D	D	D	D	
321	Wood product mfg	4	326	66	h	D	D	D	D	D	D	D	D	
322	Paper mfg	1	490	276	k	D	D	D	D	D	D	D	D	
323	Printing & related support activities.....	4	3 936	722	l	D	D	D	D	D	D	D	D	
324	Petroleum & coal products mfg	1	118	27	h	D	D	D	D	D	D	D	D	
325	Chemical mfg	1	1 205	587	l	D	D	D	D	D	D	D	D	
326	Plastics & rubber products mfg	2	1 052	540	l	D	D	D	D	D	D	D	D	
327	Nonmetallic mineral product mfg	2	617	176	j	D	D	D	D	D	D	D	D	
331	Primary metal mfg	—	286	135	j	D	D	D	D	D	D	D	D	
332	Fabricated metal product mfg	1	3 722	960		80 405	2 878 544	58 220	121 941	1 709 920	6 078 011	4 482 749	10 584 180	356 089
333	Machinery mfg	1	1 672	489	k	D	D	D	D	D	D	D	D	
334	Computer & electronic product mfg	1	1 402	576	l	D	D	D	D	D	D	D	D	
335	Electrical equipment, appliance, & component mfg	1	637	297	k	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg	—	450	166	k	D	D	D	D	D	D	D	D	
337	Furniture & related product mfg	3	1 452	259	j	D	D	D	D	D	D	D	D	
339	Miscellaneous mfg	1	3 195	649	l	D	D	D	D	D	D	D	D	
	Bergen—Passaic, NJ PMSA													
31-33	Manufacturing	1	2 865	964		94 466	3 461 370	63 710	128 291	1 756 486	9 292 632	7 518 070	16 883 899	563 414
311	Food mfg	1	244	58		6 524	226 083	4 494	9 215	127 736	776 831	970 681	1 746 377	45 199
3115	Dairy product mfg	—	13	4		623	19 580	363	888	12 366	64 888	197 588	261 957	5 044
31151	Dairy product (except frozen) mfg	—	8	4	f	D	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	—	1	1	e	D	D	D	D	D	D	D	D	D
311513	Cheese mfg	1	7	3	e	D	D	D	D	D	D	D	D	D
3116	Meat product mfg	3	14	9		859	31 300	726	1 639	18 738	93 856	154 531	248 603	4 715
31161	Animal slaughtering & processing.....	3	14	9		859	31 300	726	1 639	18 738	93 856	154 531	248 603	4 715
311612	Meat processed from carcasses	3	11	7		704	29 017	591	1 373	16 921	80 865	138 120	219 244	4 637
3118	Bakeries & tortilla mfg	1	169	28		3 332	110 246	2 284	4 535	65 790	326 305	223 118	548 577	21 267
31181	Bread & bakery product mfg	2	151	18	g	D	D	D	D	D	D	D	D	D
311811	Retail bakeries	3	111	6		677	9 258	394	544	4 573	20 585	12 613	33 460	899
311812	Commercial bakeries .	1	36	11		1 069	37 878	606	1 250	19 756	139 172	59 457	198 629	5 386
31182	Cookie, cracker, & pasta mfg	—	17	9		1 523	61 588	1 237	2 624	40 374	162 433	145 245	306 433	14 680
311821	Cookie & cracker mfg .	—	8	5		1 061	39 238	942	1 922	31 300	96 198	75 808	170 750	D
311823	Dry pasta mfg	—	4	2	e	D	D	D	D	D	D	D	D	D
3119	Other food mfg	—	24	12		1 168	48 662	699	1 302	20 521	196 739	217 395	412 692	10 441
31194	Seasoning & dressing mfg	—	7	3		251	12 869	109	218	3 969	48 701	20 735	69 635	1 409
31199	All other food mfg	—	12	5		670	27 054	417	730	10 344	85 948	66 544	152 573	5 366
311999	All other miscellaneous food mfg	—	9	4	e	D	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA CMSA—Con. Bergen-Passaic, NJ PMSA—Con. Manufacturing—Con.												
313	Textile mills	3	165	58	5 295	189 512	4 007	8 875	113 722	443 596	348 163	786 729	25 418
3132	Fabric mills	2	83	20	1 810	54 458	1 335	2 817	30 042	118 363	81 015	198 285	8 132
31321	Broadwoven fabric mills ..	4	12	4	401	12 132	342	665	7 372	20 599	28 129	48 930	2 658
313210	Broadwoven fabric mills	4	12	4	401	12 132	342	665	7 372	20 599	28 129	48 930	2 658
31322	Narrow fabric mills & schiffli machine embroidery	—	46	6	815	23 197	497	978	9 154	50 065	23 387	72 913	D
313221	Narrow fabric mills	—	4	2	321	13 178	165	319	3 101	23 548	9 275	33 002	D
313222	Schiffli machine embroidery	1	42	4	494	10 019	332	659	6 053	26 517	14 112	39 911	D
31324	Knit fabric mills	3	23	10	f	D	D	D	D	D	D	D	3 033
313241	Weft knit fabric mills ..	1	8	4	e	D	D	D	D	D	D	D	1 763
313249	Other knit fabric & lace mills	4	15	6	285	9 877	256	570	7 148	28 513	19 102	47 235	1 270
3133	Textile & fabric finishing & fabric coating mills	4	77	35	3 304	128 464	2 554	5 816	81 449	312 135	234 955	542 902	16 623
31331	Textile & fabric finishing mills	5	63	27	2 612	104 550	2 021	4 699	66 532	233 828	172 064	405 179	13 045
313311	Broadwoven fabric finishing mills	5	51	20	1 892	78 658	1 443	3 384	52 140	190 528	146 073	336 141	10 659
313312	Textile & fabric finishing mills	6	12	7	720	25 892	578	1 315	14 392	43 300	25 991	69 038	2 386
31332	Fabric coating mills	1	14	8	692	23 914	533	1 117	14 917	78 307	62 891	137 723	3 578
313320	Fabric coating mills ...	1	14	8	692	23 914	533	1 117	14 917	78 307	62 891	137 723	3 578
314	Textile product mills	2	75	23	1 540	35 565	1 273	2 589	22 342	78 146	85 439	163 796	3 835
3141	Textile furnishings mills	—	24	11	796	18 511	649	1 331	10 644	31 083	48 477	79 865	1 974
31412	Curtain & linen mills	—	24	11	796	18 511	649	1 331	10 644	31 083	48 477	79 865	1 974
314121	Curtain & drapery mills	—	15	3	387	8 967	313	675	5 269	17 758	15 885	34 520	D
314129	Other household textile product mills	—	9	8	409	9 544	336	656	5 375	13 325	32 592	45 345	D
3149	Other textile product mills ..	4	51	12	744	17 054	624	1 258	11 698	47 063	36 962	83 931	1 861
31499	All other textile product mills	4	46	12	722	16 647	604	1 233	11 448	46 201	36 479	82 587	1 818
314999	All other miscellaneous textile product mills ..	4	46	12	722	16 647	604	1 233	11 448	46 201	36 479	82 587	1 818
315	Apparel mfg	3	141	58	4 898	94 475	4 042	7 870	64 040	212 242	230 742	443 067	D
3152	Cut & sew apparel mfg	3	101	47	4 244	80 390	3 481	6 874	53 818	184 291	211 710	396 256	D
31521	Cut & sew apparel contractors	4	53	25	1 959	29 692	1 781	3 253	23 713	45 663	6 996	52 709	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	5	50	23	g	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	7	7	1	279	5 161	90	215	3 585	9 740	10 663	20 787	D
31523	Women's & girls' cut & sew apparel mfg	2	35	20	1 890	42 888	1 527	3 216	24 753	121 378	187 848	309 018	2 150
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	—	3	2	f	D	D	D	D	D	D	D	D
315232	Women's & girls' cut & sew blouse & shirt mfg	1	10	5	515	10 078	426	817	6 342	25 342	40 077	67 021	430
315234	Women's & girls' cut & sew suit, coat, skirt mfg	5	11	7	320	9 458	229	457	4 535	59 909	65 214	123 444	633
315239	Women's & girls' cut & sew other outerwear mfg	—	7	5	e	D	D	D	D	D	D	D	418
3159	Apparel accessories & other apparel mfg	4	30	6	449	10 694	372	658	7 313	21 717	17 280	38 825	D
31599	Apparel accessories & other apparel mfg	4	30	6	449	10 694	372	658	7 313	21 717	17 280	38 825	D
315999	Other apparel accessories & other apparel mfg	5	26	5	316	7 644	258	452	4 753	17 192	12 890	29 845	D
316	Leather & allied product mfg .	—	18	10	1 592	38 494	1 163	2 461	22 202	89 962	112 181	199 279	4 368
3162	Footwear mfg	—	4	2	f	D	D	D	D	D	D	D	D
31621	Footwear mfg	—	4	2	f	D	D	D	D	D	D	D	D
316212	House slipper mfg	—	2	1	e	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	—	12	6	1 040	20 232	685	1 482	12 654	48 343	49 794	96 592	D
31699	Other leather & allied product mfg	—	12	6	1 040	20 232	685	1 482	12 654	48 343	49 794	96 592	D
316991	Luggage mfg	—	6	3	417	10 629	298	694	5 562	22 193	29 719	50 133	D
316992	Women's handbag & purse mfg	—	3	1	f	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW YORK–NORTHERN NEW JERSEY–LONG ISLAND, NY–NJ–CT–PA CMSA—Con. Bergen–Passaic, NJ PMSA—Con. Manufacturing—Con.												
321	Wood product mfg	2	27	4	304	12 003	238	480	5 173	30 060	40 486	69 830	D
3219	Other wood product mfg ...	1	24	4	e	D	D	D	D	D	D	D	D
322	Paper mfg	1	72	43	5 240	203 145	3 936	8 048	122 663	524 842	506 128	1 026 689	41 996
3221	Pulp, paper, & paperboard mills	—	4	4	1 037	52 666	678	1 534	29 644	219 741	163 659	379 528	21 153
32212	Paper mills	—	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	f	D	D	D	D	D	D	D	D
322122	Newsprint mills	—	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	1	68	39	4 203	150 479	3 258	6 514	93 019	305 101	342 469	647 161	20 843
32221	Paperboard container mfg	2	32	17	2 267	79 596	1 732	3 287	51 679	162 725	168 558	331 787	14 178
322211	Corrugated & solid fiber box mfg	2	15	7	1 181	41 014	870	1 582	24 108	75 826	96 820	172 554	6 300
322212	Folding paperboard box mfg	2	13	8	1 002	35 915	793	1 569	25 463	80 876	64 956	146 377	7 648
32222	Paper bag & coated & treated paper mfg	—	19	11	967	38 407	726	1 586	19 845	84 939	105 173	188 880	4 537
322222	Coated & laminated paper mfg	—	10	4	e	D	D	D	D	D	D	D	2 046
322224	Uncoated paper & multiwall bag mfg	—	2	2	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg ..	—	13	9	865	30 170	713	1 512	19 853	51 909	62 063	114 185	1 542
322232	Envelope mfg	—	3	3	488	16 839	412	851	12 666	35 822	46 664	82 716	878
323	Printing & related support activities.....	3	420	88	7 985	295 255	5 827	11 623	184 828	603 809	351 691	953 893	47 655
3231	Printing & related support activities	3	420	88	7 985	295 255	5 827	11 623	184 828	603 809	351 691	953 893	47 655
32311	Printing	2	338	62	5 516	204 657	3 865	7 528	120 449	423 529	309 342	731 906	39 915
323110	Commercial lithographic printing ..	3	177	32	2 761	122 796	1 812	3 583	70 385	243 722	201 869	444 788	21 139
323113	Commercial screen printing	—	37	11	1 062	22 983	824	1 631	14 227	44 822	26 084	71 064	1 878
323114	Quick printing	1	59	5	656	22 511	440	723	12 237	45 537	16 375	61 941	10 828
323119	Other commercial printing	5	32	6	471	14 209	347	678	8 242	29 832	18 373	48 386	2 316
32312	Support activities for printing	5	82	26	2 469	90 598	1 962	4 095	64 379	180 280	42 349	221 987	7 740
323121	Tradebinding & related work	2	25	13	1 017	24 269	912	1 901	18 696	49 647	6 872	56 140	2 275
323122	Prepress services	6	57	13	1 452	66 329	1 050	2 194	45 683	130 633	35 477	165 847	5 465
325	Chemical mfg	1	202	111	10 109	410 196	5 938	12 199	188 337	2 243 081	1 535 976	3 789 690	119 966
3251	Basic chemical mfg	1	29	19	1 627	79 973	968	1 984	38 067	260 860	307 186	574 217	19 085
32513	Dye & pigment mfg	—	9	5	423	16 849	273	537	9 986	75 530	87 645	162 943	5 704
325132	Synthetic organic dye & pigment mfg	—	8	5	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg	2	15	10	994	53 368	552	1 146	22 539	173 310	199 795	374 774	11 324
325199	All other basic organic chemical mfg	2	13	9	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	—	33	15	1 734	76 977	1 034	2 115	37 176	869 481	377 524	1 241 009	27 153
32541	Pharmaceutical & medicine mfg	—	33	15	1 734	76 977	1 034	2 115	37 176	869 481	377 524	1 241 009	27 153
325411	Medicinal & botanical mfg	2	9	3	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	—	22	10	1 167	50 829	701	1 428	23 822	825 852	326 797	1 147 679	19 621
3255	Paint, coating, & adhesive mfg	2	37	14	f	D	D	D	D	D	D	D	9 499
32551	Paint & coating mfg	5	20	7	e	D	D	D	D	D	D	D	1 488
325510	Paint & coating mfg ...	5	20	7	e	D	D	D	D	D	D	D	1 488
32552	Adhesive mfg	—	17	7	516	21 361	257	522	8 778	81 380	72 861	154 664	8 011
325520	Adhesive mfg	—	17	7	516	21 361	257	522	8 778	81 380	72 861	154 664	8 011
3256	Soap, cleaning compound, & toilet preparation mfg ..	2	64	41	4 429	164 990	2 677	5 486	73 510	833 378	542 117	1 378 145	56 398
32561	Soap & cleaning compound mfg	3	27	15	1 319	58 272	815	1 990	28 722	307 898	260 394	568 974	22 055
325611	Soap & other detergent mfg	—	12	7	676	30 157	445	1 196	15 742	201 648	127 340	326 217	7 233
325612	Polish & other sanitation good mfg ..	8	7	4	292	8 433	188	401	3 974	35 199	19 957	57 037	969
325613	Surface active agent mfg	5	8	4	351	19 682	182	393	9 006	71 051	113 097	185 720	13 853
32562	Toilet preparation mfg ...	1	37	26	3 110	106 718	1 862	3 496	44 788	525 480	281 723	809 171	34 343
325620	Toilet preparation mfg .	1	37	26	3 110	106 718	1 862	3 496	44 788	525 480	281 723	809 171	34 343

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Bergen—Passaic, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg—Con.												
3259	Other chemical product mfg.....	2	37	22	1 470	54 288	819	1 754	25 449	166 090	193 732	366 686	D
32591	Printing ink mfg.....	—	15	11	477	20 328	213	469	8 370	64 751	56 633	122 765	D
325910	Printing ink mfg.....	—	15	11	477	20 328	213	469	8 370	64 751	56 633	122 765	D
32599	All other chemical product & preparation mfg.....	4	22	11	993	33 960	606	1 285	17 079	101 339	137 099	243 921	5 921
325991	Custom compounding of purchased resin...	7	9	4	512	15 781	381	866	9 846	41 185	76 970	124 911	3 328
325998	All other miscellaneous chemical product & preparation mfg.....	—	10	5	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	3	132	78	6 903	204 432	4 974	9 899	121 272	522 704	564 137	1 086 623	36 356
3261	Plastics product mfg.....	3	115	68	6 219	181 224	4 472	8 859	107 578	475 174	525 733	1 000 838	34 145
32611	Unsupported plastics film, sheet, & bag mfg..	4	35	21	2 006	57 676	1 321	2 700	34 314	138 360	216 508	352 818	7 685
326111	Unsupported plastics bag mfg.....	—	8	6	e	D	D	D	D	D	D	D	D
326112	Unsupported plastics packaging film & sheet mfg.....	7	4	3	e	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg.....	4	23	12	1 325	36 281	803	1 589	20 735	80 167	133 959	211 977	4 953
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg.....	5	10	6	360	10 003	251	503	5 973	20 620	18 089	38 879	1 530
326121	Unsupported plastics profile shape mfg.....	4	8	4	e	D	D	D	D	D	D	D	D
32615	Urethane & other foam product (except polystyrene) mfg.....	3	9	5	510	26 389	427	818	17 634	39 521	46 574	86 687	5 174
326150	Urethane & other foam product (except polystyrene) mfg.....	3	9	5	510	26 389	427	818	17 634	39 521	46 574	86 687	5 174
32619	Other plastics product mfg.....	2	53	35	3 210	83 844	2 366	4 660	47 259	267 054	233 340	501 653	18 137
326199	All other plastics product mfg.....	2	52	34	h	D	D	D	D	D	D	D	D
3262	Rubber product mfg.....	2	17	10	684	23 208	502	1 040	13 694	47 530	38 404	85 785	2 211
32629	Other rubber product mfg.....	2	13	8	554	19 090	453	958	12 488	43 166	32 171	75 236	D
326299	All other rubber product mfg.....	2	9	6	452	15 956	368	775	10 143	38 165	28 750	66 808	1 895
327	Nonmetallic mineral product mfg.....	1	52	19	1 031	35 022	690	1 385	20 800	79 723	64 351	145 102	D
3272	Glass & glass product mfg.....	3	16	4	256	6 911	185	349	4 899	16 330	11 418	27 577	D
32721	Glass & glass product mfg.....	3	16	4	256	6 911	185	349	4 899	16 330	11 418	27 577	D
3273	Cement & concrete product mfg.....	—	18	8	320	12 445	177	369	5 586	26 187	23 895	50 314	D
3279	Other nonmetallic mineral product mfg.....	1	12	4	285	10 252	216	446	6 821	27 600	24 691	52 929	D
331	Primary metal mfg.....	2	24	12	1 067	35 949	803	1 725	21 637	91 951	97 578	187 640	6 377
3312	Steel product mfg from purchased steel.....	—	7	3	479	16 715	386	863	10 613	33 661	43 882	75 559	D
33122	Rolling & drawing of purchased steel.....	—	5	2	e	D	D	D	D	D	D	D	D
331222	Steel wire drawing.....	—	4	2	e	D	D	D	D	D	D	D	D
3315	Foundries.....	—	7	5	326	9 045	249	487	5 473	28 184	8 548	36 488	618
33152	Nonferrous metal foundries.....	—	6	5	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con. Bergen—Passaic, NJ PMSA—Con. Manufacturing—Con.												
332	Fabricated metal product mfg	1	415	121	8 706	306 327	6 205	12 591	176 121	580 836	509 009	1 114 153	32 227
3321	Forging & stamping	1	24	9	458	18 820	326	676	10 628	41 298	21 829	63 559	976
33211	Forging & stamping	1	24	9	458	18 820	326	676	10 628	41 298	21 829	63 559	976
332116	Metal stamping	2	22	8	e	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg	7	14	7	867	22 249	662	1 307	14 194	58 252	36 920	94 116	2 552
33221	Cutlery & handtool mfg	7	14	7	867	22 249	662	1 307	14 194	58 252	36 920	94 116	2 552
332212	Hand & edge tool mfg	8	11	4	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	1	86	27	1 727	58 192	1 221	2 344	33 347	117 435	107 430	224 541	4 423
33232	Ornamental & architectural metal products mfg	1	70	23	1 519	49 868	1 076	2 036	28 106	96 031	86 291	181 876	3 822
332321	Metal window & door mfg	1	20	11	770	22 182	547	992	11 936	41 643	34 573	76 275	402
332322	Sheet metal work mfg	1	38	12	679	25 517	484	951	14 792	49 985	49 074	98 560	3 251
3324	Boiler, tank, & shipping container mfg	2	11	5	319	12 523	219	477	6 839	25 983	27 558	53 103	922
3326	Spring & wire product mfg	1	21	9	558	15 926	434	801	8 708	27 667	22 404	50 537	1 413
33261	Spring & wire product mfg	1	21	9	558	15 926	434	801	8 708	27 667	22 404	50 537	1 413
332618	Other fabricated wire product mfg	1	20	9	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	175	32	2 476	100 236	1 745	3 666	57 943	160 827	176 204	357 876	13 567
33271	Machine shops	1	147	23	1 869	78 875	1 279	2 730	44 150	122 998	158 443	302 365	10 995
332710	Machine shops	1	147	23	1 869	78 875	1 279	2 730	44 150	122 998	158 443	302 365	10 995
33272	Turned product & screw, nut, & bolt mfg	3	28	9	607	21 361	466	936	13 793	37 829	17 761	55 511	2 572
332721	Precision turned product mfg	3	19	5	420	15 401	337	704	10 430	27 537	10 732	38 097	1 347
3328	Coating, engraving, heat treating, & allied activities	—	46	20	837	24 014	672	1 277	15 273	45 199	16 911	62 098	2 187
33281	Coating, engraving, heat treating, & allied activities	—	46	20	837	24 014	672	1 277	15 273	45 199	16 911	62 098	2 187
332813	Electroplating, plating, polishing, anodizing, & coloring	1	27	13	455	11 835	364	652	7 631	21 253	9 880	31 191	1 362
3329	Other fabricated metal product mfg	—	35	11	1 430	53 427	901	1 997	28 534	102 724	97 549	204 564	6 120
33291	Metal valve mfg	—	8	4	554	19 789	300	640	8 469	22 868	26 058	49 176	1 549
332911	Industrial valve mfg	—	4	2	300	11 607	147	304	4 532	8 705	8 883	17 442	D
33299	All other fabricated metal product mfg	—	27	7	876	33 638	601	1 357	20 065	79 856	71 491	155 388	4 571
332999	All other miscellaneous fabricated metal product mfg	—	23	5	f	D	D	D	D	D	D	D	4 016
333	Machinery mfg	2	246	81	5 362	216 835	3 127	6 378	101 148	449 444	362 856	813 039	24 827
3332	Industrial machinery mfg	1	64	27	1 608	67 193	924	1 816	32 964	126 552	117 718	247 034	8 038
33329	Other industrial machinery mfg	1	57	26	1 534	64 417	883	1 721	31 609	122 402	112 047	237 325	7 964
333293	Printing machinery & equipment mfg	—	9	5	346	15 854	154	287	7 185	35 940	36 462	72 367	1 925
333298	All other industrial machinery mfg	—	25	14	784	32 550	475	958	15 207	61 161	47 376	108 385	4 790
3333	Commercial & service industry machinery mfg	3	37	16	993	36 861	493	1 036	13 731	101 302	71 030	165 048	5 264
33331	Commercial & service industry machinery mfg	3	37	16	993	36 861	493	1 036	13 731	101 302	71 030	165 048	5 264
333314	Optical instrument & lens mfg	2	7	4	278	9 016	117	267	3 819	30 063	18 252	44 927	1 800
333319	Other commercial & service industry machinery mfg	—	16	6	263	11 614	107	200	3 132	30 403	21 774	48 614	816
3335	Metalworking machinery mfg	3	54	9	735	32 869	529	1 118	20 237	76 312	33 115	109 133	6 385
33351	Metalworking machinery mfg	3	54	9	735	32 869	529	1 118	20 237	76 312	33 115	109 133	6 385
333515	Cutting tool & machine tool accessory mfg	1	15	4	250	10 532	188	407	7 226	36 282	9 360	45 677	4 309

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	Bergen—Passaic, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3339	Other general-purpose machinery mfg	1	77	25	1 641	65 261	924	1 901	27 798	111 688	112 970	230 129	3 523
33391	Pump & compressor mfg	—	4	2	302	13 013	178	412	5 579	23 590	35 053	62 099	986
33392	Material handling equipment mfg	2	18	4	278	11 971	176	388	5 932	19 965	30 483	49 672	551
33399	All other general-purpose machinery mfg	1	55	19	1 061	40 277	570	1 101	16 287	68 133	47 434	118 358	1 986
333993	Packaging machinery mfg	1	18	11	584	21 486	302	617	8 739	35 249	26 088	63 038	985
333999	All other miscellaneous general-purpose machinery mfg	1	25	6	284	10 257	163	279	4 051	17 765	11 231	30 277	660
334	Computer & electronic product mfg	—	142	68	11 602	555 560	5 940	11 277	196 887	1 065 916	770 446	1 896 740	75 323
3342	Communications equipment mfg	1	24	11	1 211	68 382	702	1 546	38 286	109 651	139 933	286 672	35 923
33422	Radio & TV broadcasting & wireless communications equipment mfg	2	16	8	874	53 622	539	1 202	33 651	59 037	65 040	161 409	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	2	16	8	874	53 622	539	1 202	33 651	59 037	65 040	161 409	D
3343	Audio & video equipment mfg	9	5	2	433	12 173	301	653	6 757	11 638	31 352	42 895	987
33431	Audio & video equipment mfg	9	5	2	433	12 173	301	653	6 757	11 638	31 352	42 895	987
334310	Audio & video equipment mfg	9	5	2	433	12 173	301	653	6 757	11 638	31 352	42 895	987
3344	Semiconductor & other electronic component mfg	—	43	24	2 728	86 637	2 000	3 857	44 817	214 357	166 522	381 704	7 450
33441	Semiconductor & other electronic component mfg	—	43	24	2 728	86 637	2 000	3 857	44 817	214 357	166 522	381 704	7 450
334411	Electron tube mfg	1	6	4	409	10 716	270	404	5 585	17 301	18 033	36 701	389
334413	Semiconductor & related device mfg	1	11	5	474	14 581	299	572	6 641	35 668	18 530	53 457	3 239
334416	Electronic coil, transformer, & other inductor mfg	1	3	2	265	7 615	219	442	3 623	17 424	1 753	19 064	D
334419	Other electronic component mfg	—	12	8	1 295	46 257	985	2 006	24 531	130 573	119 883	250 069	2 772
3345	Navigational, measuring, medical, & control instruments mfg	—	54	27	7 028	381 246	2 836	4 910	104 171	716 257	422 760	1 161 533	30 106
33451	Navigational, measuring, medical, & control instruments mfg	—	54	27	7 028	381 246	2 836	4 910	104 171	716 257	422 760	1 161 533	30 106
334510	Electromedical & electrotherapeutic apparatus mfg	—	4	3	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	—	14	8	5 158	293 243	2 173	3 567	84 932	534 475	207 846	756 397	18 153
334516	Analytical laboratory instrument mfg	—	6	4	f	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg	1	7	3	273	10 295	173	347	4 271	19 597	11 877	31 893	732
335	Electrical equipment, appliance, & component mfg	1	72	31	3 125	90 777	2 219	4 695	53 079	246 302	173 491	420 723	8 949
3351	Electric lighting equipment mfg	—	25	12	1 207	35 623	873	1 850	21 446	126 929	63 538	191 702	D
33511	Electric lamp bulb & part mfg	—	1	1	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb & part mfg	—	1	1	e	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg	—	24	11	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg	—	8	3	297	5 860	216	423	4 107	9 104	10 964	19 276	D
335122	Commercial/industrial/institutional electric lighting fixture mfg	—	10	5	500	16 749	352	815	9 703	60 430	25 717	85 507	781

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con. Bergen—Passaic, NJ PMSA—Con. Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3353	Electrical equipment mfg ..	2	22	6	464	16 065	267	616	6 768	31 435	19 366	50 720	936
33531	Electrical equipment mfg	2	22	6	464	16 065	267	616	6 768	31 435	19 366	50 720	936
335314	Relay & industrial control mfg	1	9	2	292	11 347	148	389	4 525	23 759	11 788	35 586	394
3359	Other electrical equipment & component mfg	2	22	13	1 445	38 796	1 072	2 215	24 693	87 651	89 588	176 991	6 109
33591	Battery mfg	4	3	3	663	15 347	480	990	9 546	38 723	39 635	78 499	3 358
335911	Storage battery mfg ...	7	2	2	e	D	D	D	D	D	D	D	D
335912	Primary battery mfg ...	—	1	1	e	D	D	D	D	D	D	D	D
33592	Communication & energy wire & cable mfg	—	4	4	370	12 060	240	519	7 088	26 337	33 228	58 569	1 992
335929	Other communication & energy wire mfg ...	—	4	4	370	12 060	240	519	7 088	26 337	33 228	58 569	1 992
33593	Wiring device mfg	1	10	5	353	9 264	321	651	7 258	18 522	13 933	33 054	645
335931	Current-carrying wiring device mfg	2	9	4	e	D	D	D	D	D	D	D	645
336	Transportation equipment mfg	2	38	14	g	D	D	D	D	D	D	D	11 982
3363	Motor vehicle parts mfg ...	2	23	9	987	32 411	775	1 671	21 330	61 620	68 702	132 634	D
33632	Motor vehicle electrical & electronic equipment mfg	1	7	3	e	D	D	D	D	D	D	D	1 811
336322	Other motor vehicle electrical & electronic equipment mfg	1	7	3	e	D	D	D	D	D	D	D	1 811
33635	Motor vehicle transmission & power train parts mfg	—	1	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg	—	1	1	e	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	1	8	3	643	15 190	537	1 139	9 372	32 725	11 329	43 809	4 227
33641	Aerospace product & parts mfg	1	8	3	643	15 190	537	1 139	9 372	32 725	11 329	43 809	4 227
336413	Other aircraft part & auxiliary equipment mfg	1	7	2	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	131	20	1 561	43 818	1 238	2 226	29 274	91 749	83 323	173 414	4 944
3371	Household & institutional furniture & kitchen cabinet mfg	1	91	13	994	28 881	792	1 388	20 263	55 503	53 616	109 006	2 040
33711	Wood kitchen cabinet & counter top mfg	1	44	5	287	8 846	233	451	5 011	15 434	13 218	28 754	494
337110	Wood kitchen cabinet & counter top mfg ...	1	44	5	287	8 846	233	451	5 011	15 434	13 218	28 754	494
33712	Household & institutional furniture mfg	1	47	8	707	20 035	559	937	15 252	40 069	40 398	80 252	1 546
337122	Nonupholstered wood household furniture mfg	2	25	2	261	5 991	206	232	4 523	10 875	15 395	26 209	790
3372	Office furniture (including fixtures) mfg	2	30	4	317	8 748	261	482	5 800	16 749	11 409	28 022	960
33721	Office furniture (including fixtures) mfg	2	30	4	317	8 748	261	482	5 800	16 749	11 409	28 022	960
3379	Other furniture related product mfg	6	10	3	250	6 189	185	356	3 211	19 497	18 298	36 386	1 944
339	Miscellaneous mfg	1	233	64	9 629	402 513	6 079	11 478	145 780	997 405	516 104	1 504 518	57 830
3391	Medical equipment & supplies mfg	—	100	21	4 771	270 440	2 436	4 522	79 006	668 902	239 019	903 900	39 532
33911	Medical equipment & supplies mfg	—	100	21	4 771	270 440	2 436	4 522	79 006	668 902	239 019	903 900	39 532
339112	Surgical & medical instrument mfg	6	11	5	360	15 504	232	498	7 607	36 139	27 862	61 741	D
339113	Surgical appliance & supplies mfg	—	19	11	3 760	230 940	1 872	3 401	63 148	584 232	187 124	770 171	35 863
339114	Dental equipment & supplies mfg	—	4	3	318	13 159	103	198	2 199	26 072	14 701	39 858	1 036

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	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Bergen—Passaic, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
339	Miscellaneous mfg—Con.												
3399	Other miscellaneous mfg ..	1	133	43	4 858	132 073	3 643	6 956	66 774	328 503	277 085	600 618	18 298
33991	Jewelry & silverware mfg ..	—	20	6	655	19 524	445	597	6 827	39 057	66 915	107 119	1 608
339911	Jewelry (except costume) mfg ..	—	10	3	490	15 527	329	355	4 439	27 637	53 780	83 180	D
33992	Sporting & athletic goods mfg ..	1	9	3	402	9 770	319	663	6 050	22 502	11 368	32 580	229
339920	Sporting & athletic goods mfg ..	1	9	3	402	9 770	319	663	6 050	22 502	11 368	32 580	229
33993	Doll, toy, & game mfg ...	1	11	4	1 059	18 088	976	2 046	14 128	92 134	76 796	164 579	9 196
339932	Game, toy, & children's vehicle mfg ..	1	10	4	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) mfg ..	7	15	6	286	9 005	214	400	5 423	21 736	15 024	36 771	1 398
33995	Sign mfg ..	1	43	11	1 559	45 455	1 098	2 141	22 404	96 441	64 117	159 398	3 763
339950	Sign mfg ..	1	43	11	1 559	45 455	1 098	2 141	22 404	96 441	64 117	159 398	3 763
33999	All other miscellaneous mfg ..	—	35	13	897	30 231	591	1 109	11 942	56 633	42 865	100 171	2 104
339999	All other miscellaneous mfg ..	—	14	7	567	18 786	365	641	6 292	31 479	27 045	59 230	1 362
	Jersey City, NJ PMSA												
31-33	Manufacturing	2	979	283	26 470	787 822	18 236	35 676	420 484	2 063 415	2 114 340	4 220 836	94 019
311	Food mfg ..	5	104	24	2 108	62 364	1 482	2 601	36 898	317 780	335 924	655 593	13 737
3118	Bakeries & tortilla mfg ..	—	71	12	1 213	32 751	864	1 380	20 436	115 760	74 490	190 086	5 490
31181	Bread & bakery product mfg ..	1	67	10	f	D	D	D	D	D	D	D	D
311811	Retail bakeries ..	2	48	3	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	1	19	7	445	11 270	299	459	5 766	32 928	25 523	58 140	763
31182	Cookie, cracker, & pasta mfg ..	—	4	2	e	D	D	D	D	D	D	D	D
311823	Dry pasta mfg ..	—	2	1	e	D	D	D	D	D	D	D	D
3119	Other food mfg ..	6	13	8	485	16 400	316	602	8 036	152 342	148 744	304 464	3 996
31194	Seasoning & dressing mfg ..	7	5	4	e	D	D	D	D	D	D	D	3 214
313	Textile mills ..	6	114	23	1 489	36 324	1 175	2 288	25 158	86 247	56 610	143 625	4 495
3132	Fabric mills ..	6	85	13	997	24 256	802	1 607	17 387	60 169	36 834	97 405	2 887
31322	Narrow fabric mills & schiffli machine embroidery ..	2	71	9	653	14 626	544	1 100	10 698	34 365	17 778	52 203	1 180
313222	Schiffli machine embroidery ..	2	65	7	f	D	D	D	D	D	D	D	D
31324	Knit fabric mills ..	9	10	4	322	9 196	237	478	6 354	25 089	18 108	43 556	D
3133	Textile & fabric finishing & fabric coating mills ..	8	24	8	e	D	D	D	D	D	D	D	D
31331	Textile & fabric finishing mills ..	8	22	8	380	9 381	287	521	6 152	22 036	11 384	33 871	D
314	Textile product mills ..	1	77	15	1 204	22 366	877	1 620	11 968	103 595	64 911	167 472	1 396
3141	Textile furnishings mills ..	—	11	4	449	6 534	322	611	2 994	52 701	37 468	89 001	505
31412	Curtain & linen mills ..	—	10	4	e	D	D	D	D	D	D	D	D
314129	Other household textile product mills ..	—	9	3	e	D	D	D	D	D	D	D	D
3149	Other textile product mills ..	1	66	11	755	15 832	555	1 009	8 974	50 894	27 443	78 471	891
31499	All other textile product mills ..	2	60	9	609	12 666	433	775	7 167	44 521	15 481	60 097	843
314999	All other miscellaneous textile product mills ..	2	60	9	609	12 666	433	775	7 167	44 521	15 481	60 097	843

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	Jersey City, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
315	Apparel mfg	1	257	89	9 413	258 315	5 873	11 212	111 756	473 450	519 120	1 034 936	8 416
3151	Apparel knitting mills	1	27	11	828	14 950	701	1 317	11 216	43 457	55 195	98 307	1 043
31519	Other apparel knitting mills	1	26	11	f	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills	1	25	11	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	1	211	71	8 210	236 557	4 882	9 370	96 005	413 124	453 970	909 934	7 013
31521	Cut & sew apparel contractors	4	134	42	3 133	44 460	2 568	4 668	33 340	76 818	16 785	93 318	2 005
315212	Women's, girls', & infants' cut & sew apparel contractors	3	129	42	3 085	44 026	2 523	4 619	32 982	75 928	16 654	92 297	1 970
31523	Women's & girls' cut & sew apparel mfg	—	57	25	4 850	188 744	2 138	4 387	60 245	330 730	431 517	805 368	4 823
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	1	14	3	649	16 001	348	704	5 362	48 299	81 122	174 310	D
315234	Women's & girls' cut & sew suit, coat, skirt mfg	—	15	9	415	12 036	306	542	5 239	24 848	42 311	65 990	D
315239	Women's & girls' cut & sew other outerwear mfg	—	12	8	3 503	149 122	1 305	2 755	45 600	217 658	216 265	435 711	3 780
3159	Apparel accessories & other apparel mfg	1	19	7	375	6 808	290	525	4 535	16 869	9 955	26 695	360
31599	Apparel accessories & other apparel mfg	1	19	7	375	6 808	290	525	4 535	16 869	9 955	26 695	360
316	Leather & allied product mfg	8	10	2	552	11 111	464	993	7 603	33 588	28 673	61 256	D
3162	Footwear mfg	8	2	2	f	D	D	D	D	D	D	D	D
31621	Footwear mfg	8	2	2	f	D	D	D	D	D	D	D	D
316214	Women's footwear (except athletic) mfg	9	1	1	e	D	D	D	D	D	D	D	D
322	Paper mfg	2	21	17	1 402	46 977	1 055	2 198	30 277	90 493	88 142	178 053	3 654
3222	Converted paper product mfg	2	18	14	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	10	7	712	25 869	519	1 079	16 738	52 861	44 439	96 636	D
322211	Corrugated & solid fiber box mfg	1	7	4	357	12 827	236	481	8 097	24 429	29 264	53 738	723
322212	Folding paperboard box mfg	—	2	2	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	3	70	17	2 187	88 818	1 703	3 512	58 331	205 899	118 674	324 643	12 941
3231	Printing & related support activities	3	70	17	2 187	88 818	1 703	3 512	58 331	205 899	118 674	324 643	12 941
32311	Printing	3	61	10	1 727	72 437	1 375	2 813	47 742	174 306	111 989	286 337	11 624
323110	Commercial lithographic printing	3	28	7	1 371	62 590	1 096	2 344	42 068	143 984	94 145	237 949	10 570
32312	Support activities for printing	5	9	7	460	16 381	328	699	10 589	31 593	6 685	38 306	1 317
323121	Tradebinding & related work	9	3	3	250	7 473	210	465	5 889	13 513	2 928	16 472	D
325	Chemical mfg	2	47	26	2 061	76 941	1 147	2 474	34 078	307 595	352 490	658 824	14 962
3251	Basic chemical mfg	—	7	6	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	—	4	4	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	—	4	4	e	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	4	9	3	e	D	D	D	D	D	D	D	2 533
3256	Soap, cleaning compound, & toilet preparation mfg	5	16	8	f	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg	2	11	6	e	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg	1	7	5	332	12 566	195	433	5 541	25 893	99 532	126 612	D
3259	Other chemical product mfg	—	10	4	344	15 804	221	502	8 115	96 611	60 150	157 756	D
32599	All other chemical product & preparation mfg	—	10	4	344	15 804	221	502	8 115	96 611	60 150	157 756	D
325998	All other miscellaneous chemical product & preparation mfg	—	8	3	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Jersey City, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg	2	29	10	891	23 952	735	1 677	17 746	43 897	61 947	105 771	5 079
3261	Plastics product mfg	2	23	10	f	D	D	D	D	D	D	D	5 005
32619	Other plastics product mfg	3	13	5	571	14 618	466	1 181	10 905	19 857	30 725	50 531	D
326199	All other plastics product mfg	3	13	5	571	14 618	466	1 181	10 905	19 857	30 725	50 531	D
331	Primary metal mfg	—	17	10	1 152	45 223	749	1 651	21 503	130 917	211 226	345 357	15 209
3314	Nonferrous metal (except aluminum) production & processing	—	10	6	812	33 504	500	1 132	15 106	93 568	181 542	278 215	D
33141	Nonferrous metal (except aluminum) smelting & refining	—	2	2	e	D	D	D	D	D	D	D	D
331419	Other nonferrous metal primary smelting & refining	—	2	2	e	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	—	7	3	290	11 805	219	444	7 016	36 242	82 520	121 130	D
332	Fabricated metal product mfg	1	60	13	1 007	26 377	799	1 343	17 564	51 726	43 258	94 594	2 122
3323	Architectural & structural metals mfg	—	20	5	303	9 303	219	469	6 216	18 711	26 227	44 520	511
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	14	3	293	6 602	254	270	4 437	13 625	3 663	17 335	700
33271	Machine shops	1	14	3	293	6 602	254	270	4 437	13 625	3 663	17 335	700
332710	Machine shops	1	14	3	293	6 602	254	270	4 437	13 625	3 663	17 335	700
333	Machinery mfg	4	28	6	385	13 088	278	535	7 135	29 115	18 319	48 570	1 337
335	Electrical equipment, appliance, & component mfg	2	8	4	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	29	7	399	9 387	309	630	5 986	20 725	16 097	37 213	926
339	Miscellaneous mfg	3	60	10	1 068	30 146	741	1 336	14 005	76 007	100 879	174 391	5 401
3399	Other miscellaneous mfg ..	3	37	9	969	27 676	667	1 231	12 800	70 062	97 940	165 423	5 206
33995	Sign mfg	—	7	2	e	D	D	D	D	D	D	D	D
339950	Sign mfg	—	7	2	e	D	D	D	D	D	D	D	D
	Middlesex—Somerset—Hunterdon, NJ PMSA												
31-33	Manufacturing	1	1 528	567	71 336	3 002 108	46 041	94 339	1 519 504	9 992 589	9 897 953	19 940 813	829 834
311	Food mfg	—	110	33	4 530	162 711	3 343	6 821	106 991	749 078	647 667	1 400 497	55 301
3113	Sugar & confectionery product mfg	—	7	2	e	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery mfg	—	4	2	e	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg ...	—	4	2	e	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	—	5	3	e	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	—	4	2	e	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	—	3	2	e	D	D	D	D	D	D	D	D
3115	Dairy product mfg	—	7	4	736	25 827	570	1 167	17 827	158 005	226 288	383 258	9 252
31151	Dairy product (except frozen) mfg	—	5	3	e	D	D	D	D	D	D	D	D
31152	Ice cream & frozen dessert mfg	—	2	1	e	D	D	D	D	D	D	D	D
311520	Ice cream & frozen dessert mfg	—	2	1	e	D	D	D	D	D	D	D	D
3116	Meat product mfg	2	5	2	296	14 099	145	322	5 841	34 844	20 695	55 477	D
31161	Animal slaughtering & processing	2	5	2	296	14 099	145	322	5 841	34 844	20 695	55 477	D
311612	Meat processed from carcasses	1	2	2	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

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	Middlesex—Somerset—Hunterdon, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
311	Food mfg—Con.												
3118	Bakeries & tortilla mfg	—	66	10	1 366	38 084	1 095	2 172	29 896	227 011	85 039	316 610	1 140
31181	Bread & bakery product mfg	5	63	8	f	D	D	D	D	D	D	D	D
311811	Retail bakeries	3	48	5	e	D	D	D	D	D	D	D	500
31182	Cookie, cracker, & pasta mfg	—	2	2	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	—	2	2	f	D	D	D	D	D	D	D	D
3119	Other food mfg	—	16	9	1 142	44 977	824	1 735	29 664	235 954	154 876	390 804	15 524
31199	All other food mfg	—	5	2	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg	—	5	2	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	7	3	785	32 560	331	739	12 499	221 897	179 323	402 056	D
3121	Beverage mfg	—	7	3	785	32 560	331	739	12 499	221 897	179 323	402 056	D
31211	Soft drink & ice mfg	—	4	3	774	32 268	326	731	12 362	221 033	178 840	400 715	D
312111	Soft drink mfg	—	3	2	f	D	D	D	D	D	D	D	D
313	Textile mills	1	15	5	e	D	D	D	D	D	D	D	989
314	Textile product mills	3	24	5	355	8 209	240	426	4 852	21 027	20 546	41 856	D
315	Apparel mfg	1	24	10	1 904	49 197	1 467	3 224	25 859	97 056	113 920	203 950	5 626
3152	Cut & sew apparel mfg	2	13	7	1 795	46 796	1 400	3 099	24 354	89 155	108 713	190 877	D
31522	Men's & boys' cut & sew apparel mfg	2	4	3	1 363	31 500	1 064	2 456	19 648	68 367	74 635	138 129	D
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	3	2	2	g	D	D	D	D	D	D	D	D
315228	Men's & boys' cut & sew other outerwear mfg	—	2	1	e	D	D	D	D	D	D	D	D
316	Leather & allied product mfg	—	8	2	e	D	D	D	D	D	D	D	D
321	Wood product mfg	3	22	6	450	14 428	309	616	9 199	38 524	23 841	62 559	1 328
3219	Other wood product mfg	2	19	4	e	D	D	D	D	D	D	D	D
32191	Millwork	2	11	2	258	8 473	153	293	4 921	27 580	12 111	39 653	D
322	Paper mfg	1	43	31	3 386	129 211	2 585	5 419	85 649	307 211	380 284	692 594	24 762
3221	Pulp, paper, & paperboard mills	—	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	—	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	1	42	30	h	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	2	22	18	1 518	54 456	1 159	2 474	34 416	120 517	169 442	292 746	7 958
322211	Corrugated & solid fiber box mfg	2	15	12	913	33 238	679	1 401	18 293	66 646	117 448	184 390	5 180
322212	Folding paperboard box mfg	1	4	3	e	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	—	11	7	857	33 828	567	1 196	18 576	82 326	118 967	203 658	D
322222	Coated & laminated paper mfg	—	8	5	706	27 984	463	975	14 925	68 415	99 955	171 121	3 222
32229	Other converted paper product mfg	1	7	5	e	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg	1	4	3	301	7 556	256	413	5 591	19 855	35 204	55 817	D
323	Printing & related support activities	4	207	28	3 538	156 905	2 456	4 902	108 038	347 239	229 084	574 088	19 179
3231	Printing & related support activities	4	207	28	3 538	156 905	2 456	4 902	108 038	347 239	229 084	574 088	19 179
32311	Printing	4	177	26	3 327	150 856	2 280	4 578	103 840	334 694	225 649	558 235	18 312
323110	Commercial												
323114	lithographic printing	5	78	19	2 608	132 011	1 786	3 674	91 929	284 477	190 736	473 946	15 957
	Quick printing	1	52	1	266	6 605	174	313	4 589	21 327	15 922	36 648	754

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
31-33	Manufacturing—Con.												
324	Petroleum & coal products mfg	2	17	7	901	54 481	570	1 329	30 584	272 251	1 212 780	1 500 967	11 967
3241	Petroleum & coal products mfg	2	17	7	901	54 481	570	1 329	30 584	272 251	1 212 780	1 500 967	11 967
32412	Asphalt paving, roofing, & saturated materials mfg	—	10	3	415	22 432	244	517	10 619	63 977	78 541	144 306	D
324121	Asphalt paving mixture & block mfg	—	8	1	e	D	D	D	D	D	D	D	D
32419	Other petroleum & coal products mfg	7	5	2	e	D	D	D	D	D	D	D	2 992
324191	Petroleum lubricating oil & grease mfg	7	5	2	e	D	D	D	D	D	D	D	2 992
325	Chemical mfg	1	174	114	18 477	989 161	8 617	17 177	338 548	4 540 315	3 061 599	7 619 055	305 611
3251	Basic chemical mfg	—	35	23	2 201	112 947	1 390	3 000	64 134	444 887	378 578	821 122	62 523
32518	Other basic inorganic chemical mfg	—	11	6	486	23 894	314	708	13 722	123 235	66 303	187 515	14 918
325188	All other basic inorganic chemical mfg	—	11	6	486	23 894	314	708	13 722	123 235	66 303	187 515	14 918
32519	Other basic organic chemical mfg	—	17	14	1 581	83 238	993	2 174	47 679	295 191	298 768	594 373	46 364
325199	All other basic organic chemical mfg	—	16	14	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	—	5	5	434	21 221	232	525	10 720	72 190	202 304	266 956	11 681
32521	Resin & synthetic rubber mfg	—	5	5	434	21 221	232	525	10 720	72 190	202 304	266 956	11 681
325211	Plastics material & resin mfg	—	5	5	434	21 221	232	525	10 720	72 190	202 304	266 956	11 681
3254	Pharmaceutical & medicine mfg	—	35	27	7 229	455 442	2 586	4 706	109 775	2 036 738	1 036 015	3 065 702	126 284
32541	Pharmaceutical & medicine mfg	—	35	27	7 229	455 442	2 586	4 706	109 775	2 036 738	1 036 015	3 065 702	126 284
325412	Pharmaceutical preparation mfg	—	25	20	5 795	375 508	2 030	3 710	89 883	1 708 139	920 615	2 636 076	91 737
325413	In-vitro diagnostic substance mfg	—	4	3	f	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) mfg	3	2	2	e	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	1	20	10	833	35 784	410	798	14 295	141 386	224 370	364 763	D
32551	Paint & coating mfg	2	12	5	532	23 111	240	416	8 618	76 509	125 513	200 783	8 774
325510	Paint & coating mfg	2	12	5	532	23 111	240	416	8 618	76 509	125 513	200 783	8 774
32552	Adhesive mfg	1	8	5	301	12 673	170	382	5 677	64 877	98 857	163 980	D
325520	Adhesive mfg	1	8	5	301	12 673	170	382	5 677	64 877	98 857	163 980	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	4	37	29	6 232	287 442	3 101	6 243	102 029	1 420 620	962 197	2 415 783	67 050
32561	Soap & cleaning compound mfg	2	15	9	1 037	50 129	769	1 734	31 722	606 467	258 325	864 776	16 144
325611	Soap & other detergent mfg	4	11	5	561	31 378	400	819	20 019	277 655	109 020	388 289	8 962
325612	Polish & other sanitation good mfg ..	—	2	2	e	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg	5	22	20	5 195	237 313	2 332	4 509	70 307	814 153	703 872	1 551 007	50 906
325620	Toilet preparation mfg	5	22	20	5 195	237 313	2 332	4 509	70 307	814 153	703 872	1 551 007	50 906
3259	Other chemical product mfg	—	36	20	1 486	73 796	858	1 813	36 127	412 705	233 176	649 251	26 932
32599	All other chemical product & preparation mfg	—	33	17	1 400	70 520	808	1 714	34 228	394 017	205 415	602 787	26 574
325991	Custom compounding of purchased resin ...	2	12	8	e	D	D	D	D	D	D	D	5 760
325992	Photographic film, paper, plate, & chemical mfg	—	3	3	f	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product & preparation mfg	1	18	6	401	17 464	215	421	6 593	124 714	79 458	203 271	D

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	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Middlesex—Somerset—Hunterdon, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg	1	97	69	8 302	235 542	6 747	14 142	154 625	570 503	508 006	1 078 323	51 673
3261	Plastics product mfg	1	93	66	8 172	229 980	6 658	13 945	152 393	561 907	504 557	1 066 506	51 570
32611	Unsupported plastics film, sheet, & bag mfg	—	16	12	1 018	26 537	756	1 466	16 934	80 679	120 868	202 908	8 093
326111	Unsupported plastics bag mfg	—	7	6	496	11 860	372	718	7 630	29 237	52 019	82 798	2 652
326113	Unsupported plastics film & sheet (except packaging) mfg	1	9	6	522	14 677	384	748	9 304	51 442	68 849	120 110	5 441
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	—	9	6	516	19 958	426	796	13 789	55 282	22 910	78 350	2 607
326121	Unsupported plastics profile shape mfg	—	8	6	f	D	D	D	D	D	D	D	D
32615	Urethane & other foam product (except polystyrene) mfg	1	3	3	272	8 264	172	337	3 153	14 425	9 417	24 421	445
326150	Urethane & other foam product (except polystyrene) mfg	1	3	3	272	8 264	172	337	3 153	14 425	9 417	24 421	445
32616	Plastics bottle mfg	4	9	9	1 186	39 268	964	2 055	28 774	113 223	99 924	214 036	14 221
326160	Plastics bottle mfg	4	9	9	1 186	39 268	964	2 055	28 774	113 223	99 924	214 036	14 221
32619	Other plastics product mfg	1	50	32	4 773	123 765	3 991	8 543	80 478	263 131	229 960	490 625	25 228
326199	All other plastics product mfg	1	50	32	4 773	123 765	3 991	8 543	80 478	263 131	229 960	490 625	25 228
327	Nonmetallic mineral product mfg	1	39	15	1 404	47 329	1 030	2 160	32 567	129 130	93 208	222 472	8 746
3271	Clay product & refractory mfg	—	12	4	499	17 994	395	879	12 868	53 053	31 995	84 036	D
32712	Clay building material & refractories mfg	—	7	3	e	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg	—	5	1	e	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	—	5	1	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	2	16	9	560	15 846	357	726	9 588	41 426	39 158	81 300	1 901
331	Primary metal mfg	1	32	22	2 754	124 595	1 935	4 344	80 033	256 004	535 510	838 987	42 482
3311	Iron & steel mills & ferroalloy mfg	—	2	2	f	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	—	2	2	f	D	D	D	D	D	D	D	D
331111	Iron & steel mills	—	2	2	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing	4	12	8	1 086	47 720	797	1 685	31 889	43 106	146 484	250 720	6 173
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	4	6	5	837	38 504	604	1 234	25 918	22 511	125 517	209 916	5 507
331491	Other nonferrous metal rolling, drawing, & extruding	4	5	5	f	D	D	D	D	D	D	D	D
3315	Foundries	—	13	8	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	12	7	493	12 117	372	696	7 922	25 328	18 762	43 784	D
332	Fabricated metal product mfg	1	240	66	6 223	229 865	4 375	9 225	137 684	481 466	644 772	1 119 877	27 560
3321	Forging & stamping	—	15	7	513	19 171	395	799	11 654	40 455	41 858	81 944	1 845
33211	Forging & stamping	—	15	7	513	19 171	395	799	11 654	40 455	41 858	81 944	1 845
332116	Metal stamping	—	9	4	396	14 581	303	615	8 656	28 058	20 317	48 363	1 024
3323	Architectural & structural metals mfg	—	50	15	1 657	58 135	1 159	2 571	34 935	132 924	269 712	392 897	4 658
33231	Plate work & fabricated structural product mfg	—	18	4	583	20 699	395	745	11 101	44 244	96 310	142 214	1 891
332312	Fabricated structural metal mfg	—	16	3	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	—	32	11	1 074	37 436	764	1 826	23 834	88 680	173 402	250 683	2 767
332322	Sheet metal work mfg	—	19	7	788	29 258	575	1 367	19 758	71 617	158 812	219 305	2 445

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	Middlesex—Somerset—Hunterdon, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3324	Boiler, tank, & shipping container mfg	—	8	7	670	30 235	538	1 130	24 506	67 312	171 723	243 082	5 685
33243	Metal can, box, & other metal container (light gauge) mfg	—	5	5	f	D	D	D	D	D	D	D	D
332431	Metal can mfg	—	3	3	e	D	D	D	D	D	D	D	D
332439	Other metal container mfg	—	2	2	e	D	D	D	D	D	D	D	D
3326	Spring & wire product mfg .	1	9	3	507	16 600	363	744	7 949	32 215	25 995	58 484	919
33261	Spring & wire product mfg	1	9	3	507	16 600	363	744	7 949	32 215	25 995	58 484	919
332618	Other fabricated wire product mfg	—	8	2	e	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	4	106	17	1 416	52 096	980	2 025	31 037	99 848	46 214	145 419	8 754
33271	Machine shops	1	93	12	854	30 768	639	1 275	19 412	55 109	22 113	76 579	3 721
332710	Machine shops	1	93	12	854	30 768	639	1 275	19 412	55 109	22 113	76 579	3 721
33272	Turned product & screw, nut, & bolt mfg	8	13	5	562	21 328	341	750	11 625	44 739	24 101	68 840	5 033
332722	Bolt, nut, screw, rivet, & washer mfg	9	5	3	418	17 584	239	550	9 206	36 333	21 952	58 450	4 914
3328	Coating, engraving, heat treating, & allied activities.	—	20	5	290	10 941	192	394	5 875	19 185	7 952	27 147	1 297
33281	Coating, engraving, heat treating, & allied activities	—	20	5	290	10 941	192	394	5 875	19 185	7 952	27 147	1 297
3329	Other fabricated metal product mfg	—	28	11	1 063	39 198	685	1 431	20 455	82 380	73 585	156 402	4 123
33299	All other fabricated metal product mfg	—	24	7	839	28 496	549	1 121	16 435	62 436	47 125	109 381	D
332996	Fabricated pipe & pipe fitting mfg	—	7	3	424	11 780	287	526	6 337	28 026	15 799	44 017	2 497
332999	All other miscellaneous fabricated metal product mfg	—	14	4	390	15 822	241	551	9 406	32 570	30 465	62 664	D
333	Machinery mfg	2	110	33	3 093	120 318	2 178	4 680	71 896	320 552	301 056	622 339	16 394
3332	Industrial machinery mfg . .	3	26	11	705	34 354	410	940	16 897	76 129	76 319	153 865	3 031
33329	Other industrial machinery mfg	5	24	10	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	7	3	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	—	7	3	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refriger equip mfg	—	2	1	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	3	36	5	330	13 969	242	486	9 458	21 940	10 517	32 500	1 273
33351	Metalworking machinery mfg	3	36	5	330	13 969	242	486	9 458	21 940	10 517	32 500	1 273
3339	Other general-purpose machinery mfg	4	33	10	815	33 308	428	972	14 460	82 169	54 821	136 354	3 188
33399	All other general-purpose machinery mfg	4	27	8	711	29 321	371	863	12 830	71 455	44 018	114 999	2 950
333999	All other miscellaneous general-purpose machinery mfg	—	12	3	285	12 472	181	426	6 393	34 174	12 527	47 259	1 481
334	Computer & electronic product mfg	2	95	43	4 441	183 869	2 607	4 939	80 462	410 834	381 833	777 728	75 033
3341	Computer & peripheral equipment mfg	3	11	6	311	11 475	142	353	5 210	28 533	56 328	85 977	2 077
33411	Computer & peripheral equipment mfg	3	11	6	311	11 475	142	353	5 210	28 533	56 328	85 977	2 077

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Middlesex—Somerset—Hunterdon, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3342	Communications equipment mfg	-	10	6	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	2	4	2	325	12 883	211	258	7 421	5 188	20 528	30 369	D
334210	Telephone apparatus mfg	2	4	2	325	12 883	211	258	7 421	5 188	20 528	30 369	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	5	4	f	D	D	D	D	D	D	D	1 839
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	5	4	f	D	D	D	D	D	D	D	1 839
3344	Semiconductor & other electronic component mfg	3	34	17	1 710	75 577	1 054	2 132	33 281	215 355	157 282	352 311	62 957
33441	Semiconductor & other electronic component mfg	3	34	17	1 710	75 577	1 054	2 132	33 281	215 355	157 282	352 311	62 957
334413	Semiconductor & related device mfg ...	-	8	4	575	32 907	348	688	10 966	114 910	19 055	123 964	D
334417	Electronic connector mfg	6	4	3	373	12 427	210	439	7 155	40 394	48 884	77 535	3 062
334419	Other electronic component mfg	9	11	3	321	14 295	234	509	7 544	14 765	24 353	40 553	1 804
3345	Navigational, measuring, medical, & control instruments mfg	1	33	13	1 333	62 273	589	1 089	21 645	118 957	96 882	214 556	D
33451	Navigational, measuring, medical, & control instruments mfg	1	33	13	1 333	62 273	589	1 089	21 645	118 957	96 882	214 556	D
334510	Electromedical & electrotherapeutic apparatus mfg	-	4	4	498	22 896	248	385	8 154	41 700	39 310	80 131	860
334516	Analytical laboratory instrument mfg	1	10	5	367	17 531	151	297	7 032	34 933	32 377	68 093	1 485
335	Electrical equipment, appliance, & component mfg	-	44	21	1 945	75 003	1 432	2 593	45 701	188 577	122 039	310 276	6 698
3353	Electrical equipment mfg ..	1	24	7	679	24 917	460	990	13 680	47 204	36 218	83 380	2 610
33531	Electrical equipment mfg	1	24	7	679	24 917	460	990	13 680	47 204	36 218	83 380	2 610
335311	Power, distribution, & specialty transformer mfg	1	7	3	331	11 847	255	615	8 051	25 026	22 680	48 367	1 837
3359	Other electrical equipment & component mfg	-	13	11	1 139	46 790	868	1 420	29 610	133 919	79 197	212 861	3 995
33591	Battery mfg	-	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery mfg ...	-	1	1	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	1	8	6	555	19 422	341	471	6 372	31 963	27 211	60 714	633
335999	All other miscellaneous electrical equipment & component mfg	1	8	6	555	19 422	341	471	6 372	31 963	27 211	60 714	633
336	Transportation equipment mfg	-	23	7	2 055	104 284	1 750	3 494	84 012	391 559	1 043 782	1 419 043	D
3361	Motor vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	5	17	4	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg.....	2	68	19	1 250	37 910	963	1 919	23 761	84 197	69 643	154 280	3 005
3371	Household & institutional furniture & kitchen cabinet mfg.....	4	46	7	345	8 653	284	550	6 157	16 323	12 791	29 184	815
3372	Office furniture (including fixtures) mfg.....	3	15	9	461	18 405	329	611	9 931	36 328	20 630	57 226	1 110
33721	Office furniture (including fixtures) mfg.....	3	15	9	461	18 405	329	611	9 931	36 328	20 630	57 226	1 110
337215	Showcase, partition, shelving, & locker mfg.....	8	9	5	262	7 879	200	312	3 957	13 643	9 737	23 482	639
3379	Other furniture related product mfg.....	—	7	3	444	10 852	350	758	7 673	31 546	36 222	67 870	1 080
33792	Blind & shade mfg.....	—	4	2	e	D	D	D	D	D	D	D	D
337920	Blind & shade mfg.....	—	4	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	—	129	28	4 998	227 195	2 659	5 268	73 921	527 551	281 300	812 284	60 500
3391	Medical equipment & supplies mfg.....	—	59	14	3 134	160 955	1 502	3 046	47 855	351 554	190 168	544 631	54 236
33911	Medical equipment & supplies mfg.....	—	59	14	3 134	160 955	1 502	3 046	47 855	351 554	190 168	544 631	54 236
339111	Laboratory apparatus & furniture mfg.....	—	5	2	e	D	D	D	D	D	D	D	D
339112	Surgical & medical instrument mfg.....	—	7	4	593	29 122	310	575	8 486	66 771	13 076	79 879	5 358
339113	Surgical appliance & supplies mfg.....	—	12	5	1 992	113 516	907	1 921	31 473	236 119	162 645	403 705	D
3399	Other miscellaneous mfg ..	—	70	14	1 864	66 240	1 157	2 222	26 066	175 997	91 132	267 653	6 264
33993	Doll, toy, & game mfg ...	—	8	4	508	16 300	316	552	5 075	59 455	18 597	81 753	D
339932	Game, toy, & children's vehicle mfg.....	—	6	3	e	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) mfg.....	—	7	4	613	20 226	354	703	8 036	52 027	37 248	88 428	2 999
339942	Lead pencil & art good mfg.....	—	3	2	e	D	D	D	D	D	D	D	D
33995	Sign mfg.....	—	20	3	392	19 944	216	462	7 172	40 437	18 551	57 051	613
339950	Sign mfg.....	—	20	3	392	19 944	216	462	7 172	40 437	18 551	57 051	613
	Monmouth—Ocean, NJ PMSA												
31-33	Manufacturing	2	896	198	19 994	603 759	14 198	27 445	338 556	1 647 694	1 618 962	3 258 078	98 156
311	Food mfg.....	—	92	10	1 227	32 737	927	1 562	20 750	110 713	147 278	257 446	4 365
3118	Bakeries & tortilla mfg.....	1	67	4	510	9 312	380	595	5 855	28 077	20 776	48 879	D
31181	Bread & bakery product mfg.....	3	62	3	e	D	D	D	D	D	D	D	D
3119	Other food mfg.....	—	5	1	e	D	D	D	D	D	D	D	D
31192	Coffee & tea mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
311920	Coffee & tea mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills.....	1	45	6	621	12 366	533	980	8 174	21 704	17 609	38 907	1 245
3141	Textile furnishings mills....	—	14	3	394	8 343	350	678	5 454	15 502	11 110	26 257	D
31412	Curtain & linen mills.....	—	14	3	394	8 343	350	678	5 454	15 502	11 110	26 257	D
314129	Other household textile product mills.....	—	6	3	361	7 553	327	631	5 111	13 553	9 935	23 148	D
322	Paper mfg.....	1	11	7	309	8 416	264	498	6 435	28 405	25 913	54 418	2 004
3222	Converted paper product mfg.....	1	11	7	309	8 416	264	498	6 435	28 405	25 913	54 418	2 004
323	Printing & related support activities.....	4	132	11	1 305	36 499	944	1 571	21 912	74 396	44 807	118 951	4 317
3231	Printing & related support activities.....	4	132	11	1 305	36 499	944	1 571	21 912	74 396	44 807	118 951	4 317
32311	Printing.....	5	121	8	1 069	30 262	756	1 279	17 561	62 392	41 946	104 082	3 778
323110	Commercial lithographic printing..	4	53	4	465	15 500	306	601	9 004	28 138	16 218	44 442	1 809
323113	Commercial screen printing.....	4	17	2	279	5 258	211	237	2 262	10 963	8 601	19 343	767

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Monmouth—Ocean, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg	1	41	20	3 968	99 654	3 234	6 691	63 033	443 614	547 593	980 512	26 071
3251	Basic chemical mfg	—	5	4	265	7 589	213	254	4 629	66 733	146 388	207 653	4 584
3254	Pharmaceutical & medicine mfg	1	8	4	1 869	33 540	1 685	3 814	26 460	124 107	116 332	239 718	11 267
32541	Pharmaceutical & medicine mfg	1	8	4	1 869	33 540	1 685	3 814	26 460	124 107	116 332	239 718	11 267
325412	Pharmaceutical preparation mfg	1	6	4	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg	—	9	4	g	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg	—	8	4	1 334	38 589	1 023	1 868	21 944	161 290	116 793	276 291	4 124
325620	Toilet preparation mfg	—	8	4	1 334	38 589	1 023	1 868	21 944	161 290	116 793	276 291	4 124
3259	Other chemical product mfg	4	10	5	334	13 302	217	524	6 606	72 381	112 396	183 977	3 777
32599	All other chemical product & preparation mfg	4	10	5	334	13 302	217	524	6 606	72 381	112 396	183 977	3 777
326	Plastics & rubber products mfg	1	38	17	1 636	47 683	1 171	2 531	32 259	124 566	99 000	222 290	7 047
3261	Plastics product mfg	1	31	14	1 170	32 334	844	1 913	23 441	77 174	54 126	130 336	5 136
32619	Other plastics product mfg	2	20	10	786	21 912	551	1 312	16 024	55 908	30 845	85 608	3 206
326199	All other plastics product mfg	2	20	10	786	21 912	551	1 312	16 024	55 908	30 845	85 608	3 206
3262	Rubber product mfg	—	7	3	466	15 349	327	618	8 818	47 392	44 874	91 954	1 911
32629	Other rubber product mfg	—	5	3	e	D	D	D	D	D	D	D	1 911
326299	All other rubber product mfg	—	4	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	4	28	17	954	34 791	707	1 398	23 541	81 668	102 076	182 648	D
3273	Cement & concrete product mfg	5	22	14	854	32 915	635	1 289	22 487	73 591	97 658	170 220	D
32732	Ready-mix concrete mfg	8	8	6	385	17 186	338	693	14 526	31 098	63 195	94 467	D
327320	Ready-mix concrete mfg	8	8	6	385	17 186	338	693	14 526	31 098	63 195	94 467	D
32733	Concrete pipe, brick, & block mfg	—	5	4	286	10 185	158	341	4 319	31 784	27 871	58 603	D
332	Fabricated metal product mfg	1	112	11	1 039	33 691	740	1 456	20 398	78 474	51 623	129 826	3 398
3323	Architectural & structural metals mfg	1	27	2	257	8 886	167	331	4 692	24 430	18 560	42 847	634
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	47	3	309	9 866	247	458	6 916	18 915	6 748	25 847	1 427
333	Machinery mfg	2	60	21	1 994	66 455	1 132	2 389	30 844	138 333	103 350	242 406	6 349
3333	Commercial & service industry machinery mfg	3	11	5	508	13 771	280	556	5 478	31 340	21 134	53 046	1 175
33331	Commercial & service industry machinery mfg	3	11	5	508	13 771	280	556	5 478	31 340	21 134	53 046	1 175
333319	Other commercial & service industry machinery mfg	4	6	4	431	11 110	239	473	4 383	28 888	17 893	47 324	1 060
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	5	4	420	13 175	304	700	8 842	23 149	26 440	49 356	1 191
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	5	4	420	13 175	304	700	8 842	23 149	26 440	49 356	1 191
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	—	2	2	e	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	3	18	6	722	27 152	347	723	10 454	45 475	34 390	82 265	2 782
33399	All other general-purpose machinery mfg	1	13	4	469	15 609	164	363	5 246	28 717	18 865	48 253	1 641
333995	Fluid power cylinder & actuator mfg	—	2	1	e	D	D	D	D	D	D	D	D

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	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Monmouth—Ocean, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg.....	2	68	31	3 201	114 511	1 896	3 553	47 823	268 046	226 462	496 872	21 821
3342	Communications equipment mfg.....	-	16	7	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	7	5	f	D	D	D	D	D	D	D	1 639
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	7	5	f	D	D	D	D	D	D	D	1 639
33429	Other communications equipment mfg.....	-	6	1	384	12 332	230	472	4 984	23 485	17 041	41 332	D
334290	Other communications equipment mfg.....	-	6	1	384	12 332	230	472	4 984	23 485	17 041	41 332	D
3344	Semiconductor & other electronic component mfg.....	4	22	14	1 426	48 464	964	1 833	24 370	102 828	75 689	178 811	12 724
33441	Semiconductor & other electronic component mfg.....	4	22	14	1 426	48 464	964	1 833	24 370	102 828	75 689	178 811	12 724
334412	Bare printed circuit board mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg...	9	5	4	270	9 588	173	368	4 493	28 283	11 772	40 187	8 026
334419	Other electronic component mfg.....	1	8	3	355	11 207	265	521	6 707	21 737	13 672	35 530	471
3345	Navigational, measuring, medical, & control instruments mfg.....	2	23	10	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg.....	2	23	10	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg.....	2	5	2	264	9 173	91	177	2 434	10 617	20 558	31 567	274
334515	Electricity measuring & testing instrument mfg.....	-	6	3	284	13 929	125	224	3 924	41 121	49 730	89 623	3 766
335	Electrical equipment, appliance, & component mfg.....	3	18	5	479	16 322	343	655	9 885	39 105	36 779	76 087	2 503
3359	Other electrical equipment & component mfg.....	3	7	4	389	13 555	281	554	8 469	32 175	32 200	64 411	2 314
336	Transportation equipment mfg.....	1	22	7	f	D	D	D	D	D	D	D	2 626
3364	Aerospace product & parts mfg.....	1	4	3	e	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	1	4	3	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	1	61	5	512	13 634	392	618	6 609	26 596	25 923	52 503	1 108
3371	Household & institutional furniture & kitchen cabinet mfg.....	2	47	2	332	7 842	266	461	4 893	17 903	13 484	31 436	453
339	Miscellaneous mfg.....	2	95	13	990	29 712	717	1 293	14 883	72 944	42 128	114 687	2 863
3391	Medical equipment & supplies mfg.....	2	52	9	670	21 266	474	885	10 220	54 925	26 134	80 295	D
33911	Medical equipment & supplies mfg.....	2	52	9	670	21 266	474	885	10 220	54 925	26 134	80 295	D
3399	Other miscellaneous mfg..	3	43	4	320	8 446	243	408	4 663	18 019	15 994	34 392	D
	Newark, NJ PMSA												

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Newark, NJ PMSA—Con.												
31-33	Manufacturing	1	3 261	1 066	110 238	4 340 778	73 843	153 202	2 264 830	17 628 675	14 817 917	32 134 270	941 207
311	Food mfg	2	246	59	6 908	244 872	4 804	9 868	149 537	899 057	1 263 843	2 164 341	32 836
3113	Sugar & confectionery product mfg	-	17	4	f	D	D	D	D	D	D	D	838
31133	Confectionery mfg from purchased chocolate ...	-	5	2	f	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate	-	5	2	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	4	10	7	607	19 273	522	1 147	13 661	58 621	114 617	173 071	3 158
31141	Frozen food mfg	3	7	5	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food mfg	4	5	3	e	D	D	D	D	D	D	D	D
3115	Dairy product mfg	7	13	6	1 259	55 473	606	1 297	26 238	97 212	289 641	386 384	10 023
31151	Dairy product (except frozen) mfg	7	8	5	g	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	7	3	3	1 142	52 429	521	1 130	24 377	86 007	269 480	355 204	D
3116	Meat product mfg	1	22	7	498	18 328	320	581	7 911	57 824	63 290	118 977	3 231
31161	Animal slaughtering & processing	1	22	7	498	18 328	320	581	7 911	57 824	63 290	118 977	3 231
311612	Meat processed from carcasses	1	14	4	273	10 408	209	387	5 818	26 954	30 767	56 882	980
3118	Bakeries & tortilla mfg	3	158	22	2 530	66 383	1 724	3 226	42 593	184 739	109 122	295 611	9 235
31181	Bread & bakery product mfg	3	149	18	1 551	33 739	901	1 606	17 967	67 673	41 074	108 924	3 106
311811	Retail bakeries	3	109	7	720	11 913	372	524	5 870	23 970	12 889	37 067	906
311812	Commercial bakeries ..	3	35	9	751	19 403	473	950	10 935	39 328	23 175	62 515	2 017
31182	Cookie, cracker, & pasta mfg	3	9	4	979	32 644	823	1 620	24 626	117 066	68 048	186 687	6 129
311821	Cookie & cracker mfg ..	2	5	3	889	30 663	746	1 518	23 250	110 746	62 037	174 228	5 864
3119	Other food mfg	-	19	9	973	36 717	816	1 790	27 052	139 930	366 680	518 126	5 852
31199	All other food mfg	-	8	3	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg	-	7	3	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	-	10	2	g	D	D	D	D	D	D	D	D
3121	Beverage mfg	-	10	2	g	D	D	D	D	D	D	D	D
31212	Breweries	-	3	1	g	D	D	D	D	D	D	D	D
312120	Breweries	-	3	1	g	D	D	D	D	D	D	D	D
313	Textile mills	3	39	15	1 202	37 732	958	1 894	24 167	67 778	80 647	148 206	4 489
3132	Fabric mills	2	17	7	520	16 988	436	857	12 429	29 723	32 550	62 055	2 647
31324	Knit fabric mills	2	9	5	411	14 417	344	691	10 525	23 389	21 695	44 984	2 262
313241	Wett knit fabric mills ..	1	6	4	340	11 743	290	585	9 375	17 974	14 730	32 679	1 547
3133	Textile & fabric finishing & fabric coating mills	3	22	8	682	20 744	522	1 037	11 738	38 055	48 097	86 151	1 842
31331	Textile & fabric finishing mills	3	19	8	640	19 174	501	993	11 053	34 784	44 200	78 685	1 651
313311	Broadwoven fabric finishing mills	2	13	6	427	13 641	331	731	8 116	23 314	34 153	57 286	768
314	Textile product mills	2	54	19	1 551	32 278	1 266	2 293	21 426	65 274	56 019	120 770	2 532
3141	Textile furnishings mills	2	26	8	498	9 207	408	729	5 990	16 107	21 670	37 759	500
31412	Curtain & linen mills	2	24	8	e	D	D	D	D	D	D	D	D
314129	Other household textile product mills	2	9	7	384	7 042	320	592	4 587	11 775	18 472	30 248	362
3149	Other textile product mills ..	2	28	11	1 053	23 071	858	1 564	15 436	49 167	34 349	83 011	2 032
31499	All other textile product mills	2	21	10	952	20 327	789	1 450	14 223	40 672	28 910	69 753	D
314999	All other miscellaneous textile product mills ..	2	19	10	f	D	D	D	D	D	D	D	D
315	Apparel mfg	2	110	51	3 816	80 314	3 080	6 028	53 730	239 271	375 685	607 350	5 151
3152	Cut & sew apparel mfg	1	82	42	2 900	61 473	2 295	4 484	39 721	200 708	338 867	532 281	D
31521	Cut & sew apparel contractors	6	46	23	1 486	23 335	1 316	2 653	19 586	39 623	6 493	46 109	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	6	41	20	1 269	19 876	1 113	2 295	16 934	34 520	6 143	40 656	1 227
31522	Men's & boys' cut & sew apparel mfg	7	11	7	631	13 045	496	872	8 071	29 752	12 968	40 957	812
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	8	3	2	e	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	-	19	9	669	22 599	383	778	10 287	126 375	313 020	433 936	2 183
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	9	3	3	259	4 768	102	203	2 731	12 474	10 163	22 618	D

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[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Newark, NJ PMSA—Con.												
	Manufacturing—Con.												
315	Apparel mfg—Con.												
3159	Apparel accessories & other apparel mfg	4	20	7	697	14 551	590	1 227	10 811	31 086	25 473	56 211	D
31599	Apparel accessories & other apparel mfg	4	20	7	697	14 551	590	1 227	10 811	31 086	25 473	56 211	D
315999	Other apparel accessories & other apparel mfg	5	16	4	538	10 852	440	880	7 613	25 195	21 742	46 429	451
321	Wood product mfg	4	28	7	366	10 336	293	660	6 707	18 659	16 873	35 326	D
3219	Other wood product mfg ...	4	27	7	e	D	D	D	D	D	D	D	D
322	Paper mfg	1	76	44	4 761	159 798	3 565	7 620	101 024	388 368	482 220	869 467	29 850
3221	Pulp, paper, & paperboard mills	—	6	6	688	29 300	536	1 254	20 847	84 022	97 394	182 092	8 103
32212	Paper mills	—	3	3	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	3	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	1	70	38	4 073	130 498	3 029	6 366	80 177	304 346	384 826	687 375	21 747
32221	Paperboard container mfg	1	31	20	2 125	75 288	1 556	3 171	43 265	165 176	200 143	366 144	11 724
322211	Corrugated & solid fiber box mfg	2	19	11	1 409	54 334	970	1 961	29 547	119 204	149 514	268 897	10 812
322212	Folding paperboard box mfg	2	5	4	310	9 009	253	553	5 924	19 544	12 264	32 205	546
32222	Paper bag & coated & treated paper mfg	1	19	10	1 143	34 899	826	1 898	21 429	95 852	132 202	225 258	7 838
322222	Coated & laminated paper mfg	4	12	6	466	15 180	329	682	8 989	38 416	43 043	80 834	2 620
322224	Uncoated paper & multiwall bag mfg	—	2	1	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg ...	1	12	4	578	14 559	471	947	11 612	28 102	36 544	65 045	971
322232	Envelope mfg	—	2	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	3	442	97	8 942	332 955	6 223	12 364	192 423	626 400	415 412	1 042 703	51 440
3231	Printing & related support activities	3	442	97	8 942	332 955	6 223	12 364	192 423	626 400	415 412	1 042 703	51 440
32311	Printing	3	388	82	7 695	293 309	5 313	10 499	166 539	556 992	397 404	954 065	48 945
323110	Commercial lithographic printing ..	4	185	42	4 025	172 677	2 715	5 773	96 683	317 563	232 527	550 646	39 080
323112	Commercial flexographic printing ..	—	10	2	257	11 274	177	363	5 305	25 874	25 962	51 586	1 022
323113	Commercial screen printing	7	43	10	860	23 311	673	1 258	14 028	47 860	32 903	80 544	2 160
323114	Quick printing	2	75	3	397	10 893	272	482	6 722	23 785	11 881	35 686	1 166
323116	Manifold business form printing	—	8	6	803	28 819	571	910	16 749	39 565	38 221	78 832	1 041
323117	Book printing	2	11	5	255	10 759	197	414	7 381	24 233	12 200	35 816	316
323119	Other commercial printing	2	41	9	774	26 349	438	843	12 963	56 838	34 328	90 496	3 265
32312	Support activities for printing	2	54	15	1 247	39 646	910	1 865	25 884	69 408	18 008	88 638	2 495
323121	Tradebinding & related work	—	12	5	529	13 380	367	771	8 566	22 151	7 917	31 684	627
323122	Prepress services	2	42	10	718	26 266	543	1 094	17 318	47 257	10 091	56 954	1 868
324	Petroleum & coal products mfg	—	11	5	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	—	11	5	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries	—	3	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	—	3	2	g	D	D	D	D	D	D	D	D
325	Chemical mfg	1	222	108	19 564	1 104 306	9 864	21 129	399 385	8 432 629	4 119 080	12 572 559	417 622
3251	Basic chemical mfg	1	49	26	2 745	144 638	1 433	3 157	63 245	551 634	637 564	1 200 673	44 133
32513	Dye & pigment mfg	—	12	8	714	33 477	459	966	17 900	99 466	111 979	221 397	6 869
325132	Synthetic organic dye & pigment mfg	—	11	8	f	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical mfg	—	7	3	424	21 173	282	689	13 909	60 873	50 016	109 877	9 662
325188	All other basic inorganic chemical mfg	—	7	3	424	21 173	282	689	13 909	60 873	50 016	109 877	9 662
32519	Other basic organic chemical mfg	1	25	14	1 547	88 793	671	1 466	30 748	385 168	470 358	858 107	26 932
325199	All other basic organic chemical mfg	1	22	14	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Newark, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg—Con.												
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1	7	5	309	11 603	229	400	7 238	42 083	53 859	95 565	D
32521	Resin & synthetic rubber mfg	1	7	5	309	11 603	229	400	7 238	42 083	53 859	95 565	D
325211	Plastics material & resin mfg	1	7	5	309	11 603	229	400	7 238	42 083	53 859	95 565	D
3254	Pharmaceutical & medicine mfg	—	44	28	10 996	729 625	4 781	11 145	221 136	6 123 003	2 343 373	8 476 047	311 111
32541	Pharmaceutical & medicine mfg	—	44	28	10 996	729 625	4 781	11 145	221 136	6 123 003	2 343 373	8 476 047	311 111
325411	Medicinal & botanical mfg	2	9	5	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	—	31	20	8 418	550 925	3 647	8 273	139 051	5 247 992	1 799 789	7 038 228	183 910
3255	Paint, coating, & adhesive mfg	1	41	17	1 342	58 834	813	1 742	29 721	383 070	305 227	685 615	16 282
32551	Paint & coating mfg	1	27	13	1 022	45 427	606	1 261	22 475	344 156	235 090	576 748	12 517
325510	Paint & coating mfg	1	27	13	1 022	45 427	606	1 261	22 475	344 156	235 090	576 748	12 517
32552	Adhesive mfg	5	14	4	320	13 407	207	481	7 246	38 914	70 137	108 867	3 765
325520	Adhesive mfg	5	14	4	320	13 407	207	481	7 246	38 914	70 137	108 867	3 765
3256	Soap, cleaning compound, & toilet preparation mfg	2	37	18	2 967	118 583	1 839	3 193	57 525	1 130 251	619 049	1 751 080	32 297
32561	Soap & cleaning compound mfg	1	21	8	865	40 045	466	912	15 689	140 052	175 595	313 601	4 198
325611	Soap & other detergent mfg	—	6	3	251	16 342	66	136	2 087	48 084	68 918	114 366	D
325612	Polish & other sanitation good mfg	2	11	3	e	D	D	D	D	D	D	D	1 001
32562	Toilet preparation mfg	2	16	10	2 102	78 538	1 373	2 281	41 836	990 199	443 454	1 437 479	28 099
325620	Toilet preparation mfg	2	16	10	2 102	78 538	1 373	2 281	41 836	990 199	443 454	1 437 479	28 099
3259	Other chemical product mfg	1	43	13	g	D	D	D	D	D	D	D	D
32599	All other chemical product & preparation mfg	1	35	11	916	31 944	564	1 056	15 253	92 708	117 294	210 296	7 882
325991	Custom compounding of purchased resin	1	16	7	535	18 477	352	664	9 510	48 823	81 286	129 441	5 314
326	Plastics & rubber products mfg	2	197	107	9 345	289 668	7 160	14 660	174 078	636 497	581 134	1 210 285	64 656
3261	Plastics product mfg	2	174	99	8 345	253 707	6 475	13 143	154 732	569 854	523 829	1 086 498	60 247
32611	Unsupported plastics film, sheet, & bag mfg	4	29	16	1 231	47 175	904	1 862	26 382	109 928	147 752	256 916	10 121
326111	Unsupported plastics bag mfg	4	9	6	e	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg	4	18	10	901	36 380	660	1 381	20 602	84 517	113 399	197 547	6 490
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1	18	13	724	26 102	511	1 051	14 074	48 973	39 600	87 332	5 365
326121	Unsupported plastics profile shape mfg	1	16	11	f	D	D	D	D	D	D	D	D
32616	Plastics bottle mfg	2	11	7	474	12 955	419	910	10 735	33 982	35 964	69 283	8 584
326160	Plastics bottle mfg	2	11	7	474	12 955	419	910	10 735	33 982	35 964	69 283	8 584
32619	Other plastics product mfg	2	101	58	5 619	153 730	4 440	8 870	96 999	329 288	241 004	565 699	33 871
326199	All other plastics product mfg	2	97	58	5 586	152 954	4 419	8 826	96 426	327 513	239 610	562 519	D
3262	Rubber product mfg	1	23	8	1 000	35 961	685	1 517	19 346	66 643	57 305	123 787	4 409
32629	Other rubber product mfg	2	16	6	726	27 357	449	939	12 783	49 966	36 711	86 453	3 857
326291	Rubber product mfg for mechanical use	1	11	3	544	19 845	313	680	9 024	33 171	23 480	56 265	3 067

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31-33	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Newark, NJ PMSA—Con.												
	Manufacturing—Con.												
327	Nonmetallic mineral product mfg	3	90	30	1 905	68 252	1 338	2 862	39 987	201 776	154 821	345 613	14 428
3271	Clay product & refractory mfg	1	12	4	e	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg	3	23	5	289	10 258	199	364	5 226	24 229	12 882	37 228	D
32721	Glass & glass product mfg	3	23	5	289	10 258	199	364	5 226	24 229	12 882	37 228	D
327215	Glass product mfg made of purchased glass	2	18	5	273	9 653	187	337	4 750	22 487	12 202	34 798	1 787
3273	Cement & concrete product mfg	3	33	8	731	24 040	499	1 164	14 565	80 336	82 845	162 113	6 406
32732	Ready-mix concrete mfg	6	22	6	581	18 072	398	961	11 964	41 962	54 557	96 218	3 670
327320	Ready-mix concrete mfg	6	22	6	581	18 072	398	961	11 964	41 962	54 557	96 218	3 670
3279	Other nonmetallic mineral product mfg	5	20	11	455	18 664	302	629	9 402	48 275	36 200	78 342	D
32799	All other nonmetallic mineral product mfg	7	12	6	297	12 981	190	398	6 018	35 968	29 332	59 479	D
331	Primary metal mfg	—	42	23	2 931	100 499	2 113	4 553	59 822	322 218	299 850	616 733	19 216
3312	Steel product mfg from purchased steel	1	5	4	e	D	D	D	D	D	D	D	6 295
3314	Nonferrous metal (except aluminum) production & processing	—	15	9	1 103	35 233	796	1 637	19 855	129 076	149 610	276 933	6 969
33142	Copper rolling, drawing, extruding, & alloying	—	6	5	734	20 859	554	1 169	12 967	73 328	62 326	138 737	5 444
331421	Copper rolling, drawing, & extruding	—	5	4	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	1	8	3	e	D	D	D	D	D	D	D	1 525
3315	Foundries	—	21	9	1 511	55 011	1 103	2 495	34 634	154 384	94 549	247 685	D
33151	Ferrous metal foundries	—	6	2	g	D	D	D	D	D	D	D	D
331511	Iron foundries	—	4	1	e	D	D	D	D	D	D	D	D
331512	Steel investment foundries	—	2	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	1	15	7	e	D	D	D	D	D	D	D	1 033
332	Fabricated metal product mfg	1	630	173	14 761	552 784	10 377	23 078	312 992	1 171 944	649 901	1 816 765	65 970
3321	Forging & stamping	—	58	24	2 055	80 268	1 564	3 224	49 072	146 704	95 301	237 788	9 190
33211	Forging & stamping	—	58	24	2 055	80 268	1 564	3 224	49 072	146 704	95 301	237 788	9 190
332116	Metal stamping	—	55	23	g	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg	—	20	7	685	22 066	550	1 126	12 440	59 125	34 127	92 752	3 132
33221	Cutlery & handtool mfg	—	20	7	685	22 066	550	1 126	12 440	59 125	34 127	92 752	3 132
332211	Cutlery & flatware (except precious) mfg	—	4	3	303	7 991	247	486	5 033	26 705	22 008	48 424	1 373
332212	Hand & edge tool mfg	—	16	4	382	14 075	303	640	7 407	32 420	12 119	44 328	1 759
3323	Architectural & structural metals mfg	—	100	28	2 293	78 845	1 685	3 725	48 028	186 570	103 255	283 651	9 597
33231	Plate work & fabricated structural product mfg	1	27	5	298	11 849	209	418	7 124	23 390	18 758	41 986	532
33232	Ornamental & architectural metal products mfg	—	73	23	1 995	66 996	1 476	3 307	40 904	163 180	84 497	241 665	9 065
332322	Sheet metal work mfg	—	48	18	1 683	56 262	1 270	2 863	35 498	130 651	58 918	183 666	8 557
3324	Boiler, tank, & shipping container mfg	1	20	8	900	37 391	628	1 403	21 477	76 231	52 618	131 722	4 379
33242	Metal tank (heavy gauge) mfg	—	8	4	289	13 993	174	356	6 142	14 701	17 867	35 424	404
332420	Metal tank (heavy gauge) mfg	—	8	4	289	13 993	174	356	6 142	14 701	17 867	35 424	404
33243	Metal can, box, & other metal container (light gauge) mfg	2	8	4	573	22 210	427	1 016	14 591	59 737	33 747	93 511	3 873
332431	Metal can mfg	—	4	3	465	19 026	347	867	12 864	53 323	23 924	77 111	3 320
3326	Spring & wire product mfg	1	21	8	425	12 190	321	605	7 748	28 435	15 910	44 351	4 039
33261	Spring & wire product mfg	1	21	8	425	12 190	321	605	7 748	28 435	15 910	44 351	4 039
332618	Other fabricated wire product mfg	1	18	8	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	268	44	3 414	135 102	2 432	6 461	82 945	264 680	116 430	374 602	14 541
33271	Machine shops	1	212	25	2 092	81 429	1 476	2 951	49 991	144 830	54 387	198 020	8 328
332710	Machine shops	1	212	25	2 092	81 429	1 476	2 951	49 991	144 830	54 387	198 020	8 328
33272	Turned product & screw, nut, & bolt mfg	—	56	19	1 322	53 673	956	3 510	32 954	119 850	62 043	176 582	6 213
332721	Precision turned product mfg	1	38	11	679	27 650	538	2 719	18 078	40 185	16 344	57 127	2 510
332722	Bolt, nut, screw, rivet, & washer mfg	—	18	8	643	26 023	418	791	14 876	79 665	45 699	119 455	3 703
3328	Coating, engraving, heat treating, & allied activities.	2	73	24	1 699	57 168	1 249	2 607	31 776	115 368	54 633	169 433	11 271
33281	Coating, engraving, heat treating, & allied activities	2	73	24	1 699	57 168	1 249	2 607	31 776	115 368	54 633	169 433	11 271
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	—	19	8	667	21 266	491	1 047	13 146	41 383	13 678	54 923	7 540
332813	Electroplating, plating, polishing, anodizing, & coloring	2	47	13	908	31 182	663	1 352	15 644	62 493	33 793	95 929	3 030
3329	Other fabricated metal product mfg	—	66	29	3 207	127 696	1 883	3 808	58 153	291 264	174 551	475 776	9 602
33291	Metal valve mfg	—	18	11	2 027	89 747	998	2 063	35 368	206 818	108 627	325 890	6 943
332911	Industrial valve mfg	—	11	10	1 951	87 239	941	1 954	33 886	202 822	100 791	313 679	6 773
33299	All other fabricated metal product mfg	—	48	18	1 180	37 949	885	1 745	22 785	84 446	65 924	149 886	2 659
332999	All other miscellaneous fabricated metal product mfg	—	31	14	871	27 807	652	1 258	16 652	67 107	54 622	121 356	2 149
333	Machinery mfg	1	308	84	8 020	340 112	4 803	10 216	163 336	694 211	679 903	1 357 172	40 350
3332	Industrial machinery mfg	—	50	15	1 448	65 941	634	1 305	24 842	176 422	265 667	424 871	14 255
33329	Other industrial machinery mfg	—	46	14	1 356	61 689	593	1 210	23 190	167 027	256 319	404 758	14 093
333291	Paper industry machinery mfg	—	7	3	f	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg	3	20	7	556	25 690	306	693	12 527	46 867	37 670	84 942	D
3333	Commercial & service industry machinery mfg	2	33	6	793	32 557	451	1 017	13 163	65 862	59 627	122 526	3 062
33331	Commercial & service industry machinery mfg	2	33	6	793	32 557	451	1 017	13 163	65 862	59 627	122 526	3 062
333319	Other commercial & service industry machinery mfg	1	14	1	291	12 471	188	483	6 174	11 536	29 318	41 429	1 239
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	20	8	718	23 463	574	1 242	15 666	42 035	45 880	93 986	3 151
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	20	8	718	23 463	574	1 242	15 666	42 035	45 880	93 986	3 151
333411	Air purification equipment mfg	—	7	4	250	8 033	195	440	5 179	10 309	20 510	36 969	D
333414	Heating equipment (except warm air furnaces) mfg	1	7	2	275	8 773	238	480	6 227	17 509	7 088	23 989	D
3335	Metalworking machinery mfg	2	119	20	1 727	69 165	1 264	2 792	43 777	113 014	55 061	166 541	7 094
33351	Metalworking machinery mfg	2	119	20	1 727	69 165	1 264	2 792	43 777	113 014	55 061	166 541	7 094
333511	Industrial mold mfg	1	38	7	561	26 125	436	1 012	18 624	42 367	13 019	54 990	3 204
333514	Special die & tool, die set, jig, & fixture mfg	2	57	8	832	29 185	638	1 376	19 209	48 407	20 428	68 367	2 945
3339	Other general-purpose machinery mfg	—	76	32	3 005	134 094	1 672	3 431	57 635	264 282	222 011	483 468	11 009
33391	Pump & compressor mfg	—	8	4	712	32 378	363	719	13 040	50 897	70 321	125 465	2 221
333911	Pump & pumping equipment mfg	—	5	3	675	31 207	345	689	12 553	48 222	67 776	120 228	D
33392	Material handling equipment mfg	—	20	10	944	37 198	515	1 068	18 188	85 041	62 152	143 826	2 439
333922	Conveyor & conveying equipment mfg	—	12	4	617	21 993	325	685	11 184	43 909	43 237	85 975	870

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

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	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3339	Other general-purpose machinery mfg—Con.												
33399	All other general-purpose machinery mfg	1	48	18	1 349	64 518	794	1 644	26 407	128 344	89 538	214 177	6 349
333993	Packaging machinery mfg	4	10	5	317	14 429	113	232	4 504	27 940	14 853	41 573	754
333994	Industrial process furnace & oven mfg ..	—	8	3	265	11 217	149	316	4 675	29 467	21 466	50 345	781
333999	All other miscellaneous general-purpose machinery mfg	—	23	8	660	34 734	476	983	15 443	64 160	49 526	111 663	4 559
334	Computer & electronic product mfg	1	191	72	6 614	252 821	3 979	7 929	112 229	643 483	338 791	979 191	32 818
3342	Communications equipment mfg	1	34	17	1 786	73 052	930	1 904	26 775	164 561	114 383	283 966	9 361
33422	Radio & TV broadcasting & wireless communications equipment mfg	1	17	14	1 156	46 583	665	1 383	20 353	72 301	63 793	140 159	6 346
334220	Radio & TV broadcasting & wireless communications equipment mfg	1	17	14	1 156	46 583	665	1 383	20 353	72 301	63 793	140 159	6 346
33429	Other communications equipment mfg	—	10	1	427	19 275	164	331	4 311	79 932	37 649	118 959	2 444
334290	Other communications equipment mfg	—	10	1	427	19 275	164	331	4 311	79 932	37 649	118 959	2 444
3344	Semiconductor & other electronic component mfg	1	72	35	3 129	105 904	2 239	4 426	58 765	287 661	132 429	410 502	13 696
33441	Semiconductor & other electronic component mfg	1	72	35	3 129	105 904	2 239	4 426	58 765	287 661	132 429	410 502	13 696
334417	Electronic connector mfg	4	8	5	331	8 573	155	296	3 284	15 956	7 684	23 905	566
334419	Other electronic component mfg	—	29	15	1 706	61 661	1 279	2 474	37 202	192 046	88 066	269 949	4 366
3345	Navigational, measuring, medical, & control instruments mfg	1	64	19	1 583	69 777	738	1 460	24 480	181 850	79 955	263 254	8 884
33451	Navigational, measuring, medical, & control instruments mfg	1	64	19	1 583	69 777	738	1 460	24 480	181 850	79 955	263 254	8 884
334510	Electromedical & electrotherapeutic apparatus mfg	1	10	4	397	14 539	165	302	4 435	76 591	17 201	94 774	2 202
334516	Analytical laboratory instrument mfg	—	9	4	385	18 360	132	298	4 729	37 239	31 995	69 360	2 742
335	Electrical equipment, appliance, & component mfg	1	83	44	3 562	112 387	2 537	4 955	66 401	271 644	225 939	497 588	14 023
3351	Electric lighting equipment mfg	—	19	9	f	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg	—	15	7	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	2	4	3	e	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	1	32	14	1 357	43 356	920	1 712	24 298	89 736	68 718	156 999	5 631
33531	Electrical equipment mfg	1	32	14	1 357	43 356	920	1 712	24 298	89 736	68 718	156 999	5 631
335313	Switchgear & switchboard apparatus mfg	—	10	5	819	27 459	529	950	14 986	55 152	45 147	98 599	3 420
3359	Other electrical equipment & component mfg	1	28	18	1 269	43 310	882	1 806	27 233	108 880	84 736	196 049	5 337
33593	Wiring device mfg	—	9	7	568	19 535	458	990	14 681	55 855	49 239	106 873	D
335931	Current-carrying wiring device mfg	—	7	5	e	D	D	D	D	D	D	D	946
335932	Noncurrent-carrying wiring device mfg	—	2	2	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	2	15	9	603	20 422	379	738	11 314	48 560	31 687	80 932	3 174
335991	Carbon & graphite product mfg	2	4	4	257	9 139	202	406	5 994	22 608	10 406	33 227	2 322
335999	All other miscellaneous electrical equipment & component mfg	2	11	5	346	11 283	177	332	5 320	25 952	21 281	47 705	852

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Newark, NJ PMSA—Con.												
31-33	Manufacturing—Con.												
336	Transportation equipment mfg	-	40	13	h	D	D	D	D	D	D	D	29 360
3361	Motor vehicle mfg	-	2	1	g	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	2	1	g	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	-	2	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	4	27	6	e	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	-	5	4	713	35 850	307	627	12 295	80 262	21 910	102 367	3 535
33641	Aerospace product & parts mfg	-	5	4	713	35 850	307	627	12 295	80 262	21 910	102 367	3 535
336413	Other aircraft part & auxiliary equipment mfg	-	4	4	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	3	154	44	3 749	110 196	2 905	5 763	72 053	211 420	202 030	413 657	10 983
3371	Household & institutional furniture & kitchen cabinet mfg	4	90	16	1 148	34 138	967	1 815	24 098	52 628	44 407	96 805	2 801
33711	Wood kitchen cabinet & counter top mfg	3	50	4	475	13 641	402	656	10 328	20 340	15 895	35 612	1 709
337110	Wood kitchen cabinet & counter top mfg ...	3	50	4	475	13 641	402	656	10 328	20 340	15 895	35 612	1 709
33712	Household & institutional furniture mfg	5	40	12	673	20 497	565	1 159	13 770	32 288	28 512	61 193	1 092
337127	Institutional furniture mfg	6	10	7	336	9 933	276	548	6 503	16 077	13 833	30 088	522
3372	Office furniture (including fixtures) mfg	5	50	20	1 682	50 696	1 215	2 411	30 626	92 453	73 038	164 644	4 579
33721	Office furniture (including fixtures) mfg	5	50	20	1 682	50 696	1 215	2 411	30 626	92 453	73 038	164 644	4 579
337211	Wood office furniture mfg	4	9	5	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, & locker mfg	5	25	11	1 158	35 946	804	1 641	20 911	67 012	54 780	119 175	2 671
3379	Other furniture related product mfg	1	14	8	919	25 362	723	1 537	17 329	66 339	84 585	152 208	3 603
33791	Mattress mfg	1	8	6	566	15 417	438	957	9 840	49 858	52 703	104 251	3 059
337910	Mattress mfg	1	8	6	566	15 417	438	957	9 840	49 858	52 703	104 251	3 059
33792	Blind & shade mfg	-	6	2	353	9 945	285	580	7 489	16 481	31 882	47 957	544
337920	Blind & shade mfg	-	6	2	353	9 945	285	580	7 489	16 481	31 882	47 957	544
339	Miscellaneous mfg	1	277	68	5 948	180 251	3 887	7 199	88 226	483 834	357 417	844 897	25 103
3391	Medical equipment & supplies mfg	1	114	25	2 298	81 654	1 448	2 622	35 519	241 500	99 997	344 613	14 998
33911	Medical equipment & supplies mfg	1	114	25	2 298	81 654	1 448	2 622	35 519	241 500	99 997	344 613	14 998
339111	Laboratory apparatus & furniture mfg	-	6	3	765	25 548	509	861	10 167	52 273	29 059	82 390	D
339112	Surgical & medical instrument mfg	1	26	10	652	26 464	357	732	9 011	105 449	41 296	147 625	7 668
339113	Surgical appliance & supplies mfg	2	10	5	388	15 189	215	364	7 001	56 199	19 398	76 940	D
339116	Dental laboratories ...	4	62	6	405	12 213	307	549	8 188	24 864	6 902	31 260	423
3399	Other miscellaneous mfg ...	1	163	43	3 650	98 597	2 439	4 577	52 707	242 334	257 420	500 284	10 105
33991	Jewelry & silverware mfg	-	42	11	1 092	36 071	733	1 587	19 054	94 539	118 253	213 769	1 926
339911	Jewelry (except costume) mfg	-	32	6	859	28 675	578	1 259	15 451	72 671	93 973	167 403	1 501
33992	Sporting & athletic goods mfg	2	11	3	310	5 893	238	332	3 217	23 957	29 859	52 795	1 054
339920	Sporting & athletic goods mfg	2	11	3	310	5 893	238	332	3 217	23 957	29 859	52 795	1 054
33994	Office supplies (except paper) mfg	2	19	5	e	D	D	D	D	D	D	D	1 049
33995	Sign mfg	2	55	12	740	15 931	573	977	9 023	30 125	18 375	48 360	650
339950	Sign mfg	2	55	12	740	15 931	573	977	9 023	30 125	18 375	48 360	650
33999	All other miscellaneous mfg	-	29	11	1 064	28 827	569	1 061	14 649	61 992	66 324	128 890	5 213
339991	Gasket, packing, & sealing device mfg ...	-	4	1	449	11 077	205	409	6 452	20 052	29 424	49 341	D
339999	All other miscellaneous mfg	2	12	6	403	10 317	216	402	4 111	24 819	26 380	51 907	958

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	NEW YORK–NORTHERN NEW JERSEY–LONG ISLAND, NY–NJ–CT–PA CMSA—Con.												
	Trenton, NJ PMSA												
31-33	Manufacturing	3	352	107	13 537	579 713	8 353	17 184	291 748	1 315 173	1 086 437	2 413 564	78 766
311	Food mfg	3	40	7	614	14 189	379	633	6 764	43 767	39 680	83 764	1 845
3118	Bakeries & tortilla mfg	5	24	2	284	3 747	187	248	2 200	9 865	4 300	14 191	293
31181	Bread & bakery product mfg	5	23	2	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	5	70	16	1 266	47 377	943	1 774	28 304	97 801	65 797	163 672	5 474
3231	Printing & related support activities	5	70	16	1 266	47 377	943	1 774	28 304	97 801	65 797	163 672	5 474
32311	Printing	5	60	14	1 144	42 646	873	1 647	26 294	87 138	64 054	151 237	5 093
323110	Commercial lithographic printing ..	6	27	7	446	18 845	326	694	11 797	36 233	26 370	62 630	3 096
323119	Other commercial printing	8	3	2	e	D	D	D	D	D	D	D	96
325	Chemical mfg	2	20	5	483	16 632	348	677	9 911	67 744	72 517	139 062	D
3254	Pharmaceutical & medicine mfg	7	6	2	e	D	D	D	D	D	D	D	341
32541	Pharmaceutical & medicine mfg	7	6	2	e	D	D	D	D	D	D	D	341
325412	Pharmaceutical preparation mfg	7	6	2	e	D	D	D	D	D	D	D	341
326	Plastics & rubber products mfg	4	25	12	1 342	43 041	1 061	2 189	29 638	176 061	96 604	273 582	10 194
3261	Plastics product mfg	5	15	8	1 049	34 999	841	1 761	25 168	160 212	81 997	243 367	9 417
32619	Other plastics product mfg	5	9	5	f	D	D	D	D	D	D	D	D
326192	Resilient floor covering mfg	5	2	2	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg	3	10	4	293	8 042	220	428	4 470	15 849	14 607	30 215	777
32629	Other rubber product mfg	3	9	3	e	D	D	D	D	D	D	D	777
327	Nonmetallic mineral product mfg	-	11	7	615	19 592	467	940	14 181	46 738	16 373	63 407	D
3271	Clay product & refractory mfg	-	8	6	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	-	7	6	f	D	D	D	D	D	D	D	D
327111	Vitreous china plumbing fixture & bathroom accessories mfg	-	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	43	12	1 399	68 135	1 051	2 811	51 940	105 573	172 211	280 150	3 729
3325	Hardware mfg	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware mfg	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware mfg	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	29	13	2 208	87 611	1 439	2 454	46 879	168 123	207 705	385 791	13 140
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	4	3	g	D	D	D	D	D	D	D	6 793
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	-	4	3	g	D	D	D	D	D	D	D	6 793
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	-	2	2	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
333611	Turbine & turbine generator set unit mfg	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	8	38	15	4 214	235 650	1 696	3 708	75 846	403 123	287 793	690 398	30 306
3342	Communications equipment mfg	9	6	2	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	9	4	2	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	9	4	2	h	D	D	D	D	D	D	D	D

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31-33	NEW YORK—NORTHERN NEW JERSEY—LONG ISLAND, NY—NJ—CT—PA CMSA—Con.												
	Trenton, NJ PMSA—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg	2	14	5	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	2	14	5	f	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg	1	5	3	401	13 912	317	468	8 215	37 043	8 582	45 568	3 358
3345	Navigational, measuring, medical, & control instruments mfg	2	16	7	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	2	16	7	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	2	4	2	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	14	4	297	9 973	189	399	4 539	24 162	30 678	53 687	920
31-33	PHILADELPHIA—WILMINGTON—ATLANTIC CITY, PA—NJ—DE—MD CMSA	1	7 571	2 521	296 009	11 144 543	198 342	402 245	6 246 279	36 032 591	42 854 609	78 627 684	3 154 094
	Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (DE Part)	—	458	152	22 610	1 000 141	15 063	32 184	586 957	3 047 597	5 748 447	8 734 968	411 143
	Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	385 245	295 709	678 271	52 939
	Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (NJ Part)	1	1 931	643	73 747	2 654 647	51 459	101 322	1 560 504	8 161 513	9 971 460	18 209 340	508 565
	Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (PA Part)	1	5 127	1 704	196 886	7 388 844	130 202	265 528	4 050 440	24 438 236	26 838 993	51 005 105	2 181 447
311	Food mfg	1	658	204	26 743	799 864	18 468	36 623	476 156	2 875 491	4 075 170	6 931 087	163 018
312	Beverage & tobacco product mfg	1	41	15	h	D	D	D	D	D	D	D	D
313	Textile mills	2	111	51	h	D	D	D	D	D	D	D	D
314	Textile product mills	1	150	30	h	D	D	D	D	D	D	D	D
315	Apparel mfg	3	300	109	j	D	D	D	D	D	D	D	D
316	Leather & allied product mfg	—	25	4	e	D	D	D	D	D	D	D	D
321	Wood product mfg	2	151	35	2 393	61 337	1 849	3 513	38 878	144 044	231 714	372 912	D
322	Paper mfg	1	167	111	j	D	D	D	D	D	D	D	D
323	Printing & related support activities	2	1 071	237	25 080	873 504	17 864	34 229	537 117	1 962 280	1 237 277	3 197 812	134 832
324	Petroleum & coal products mfg	—	69	33	i	D	D	D	D	D	D	D	D
325	Chemical mfg	—	371	205	k	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	350	178	16 562	555 452	12 154	24 588	328 294	1 685 983	1 375 225	3 062 168	151 712
327	Nonmetallic mineral product mfg	1	300	114	12 188	429 542	9 612	20 003	308 463	1 106 394	734 488	1 834 034	D
331	Primary metal mfg	—	91	52	j	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	1 270	376	31 121	1 131 270	22 772	45 939	690 784	2 548 013	1 825 591	4 351 565	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Manufacturing—Con.												
333	Machinery mfg	1	579	200	j	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	2	480	205	29 370	1 229 659	15 453	30 789	532 374	3 098 273	1 937 075	5 006 993	D
335	Electrical equipment, appliance, & component mfg	1	165	66	i	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	176	72	j	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	356	70	8 035	246 015	6 057	12 131	155 199	632 178	506 362	1 136 678	D
339	Miscellaneous mfg	2	690	154	j	D	D	D	D	D	D	D	D
	Atlantic–Cape May, NJ PMSA												
31-33	Manufacturing	2	242	51	5 740	162 156	4 466	8 371	105 552	390 900	325 574	710 662	17 895
311	Food mfg	2	51	9	678	13 402	500	848	8 588	39 219	45 518	84 961	1 464
3118	Bakeries & tortilla mfg	3	34	4	358	6 137	234	362	3 298	12 858	7 530	20 405	494
31181	Bread & bakery product mfg	3	34	4	358	6 137	234	362	3 298	12 858	7 530	20 405	494
313	Textile mills	—	5	2	349	10 811	229	542	5 162	21 919	54 361	75 633	2 958
3132	Fabric mills	—	4	2	e	D	D	D	D	D	D	D	D
315	Apparel mfg	—	7	3	278	4 277	251	277	3 243	8 471	1 044	9 437	18
323	Printing & related support activities	5	33	2	270	7 509	202	365	5 010	15 130	7 472	22 618	863
3231	Printing & related support activities	5	33	2	270	7 509	202	365	5 010	15 130	7 472	22 618	863
326	Plastics & rubber products mfg	—	15	5	1 155	34 308	870	1 692	19 309	70 615	44 369	115 613	3 610
3261	Plastics product mfg	—	11	5	1 129	33 405	856	1 665	19 021	70 096	42 908	113 670	D
32616	Plastics bottle mfg	—	3	2	e	D	D	D	D	D	D	D	D
326160	Plastics bottle mfg	—	3	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	—	5	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	—	4	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	19	9	1 358	42 739	1 144	2 224	33 390	105 028	33 642	133 406	D
3271	Clay product & refractory mfg	—	2	2	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	—	2	2	f	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg ..	—	2	2	f	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg .	—	6	3	265	9 967	194	394	7 164	22 414	6 474	29 327	D
32721	Glass & glass product mfg	—	6	3	265	9 967	194	394	7 164	22 414	6 474	29 327	D
327215	Glass product mfg made of purchased glass	—	5	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	2	11	4	e	D	D	D	D	D	D	D	D
3366	Ship & boat building	2	9	3	e	D	D	D	D	D	D	D	D
33661	Ship & boat building	2	9	3	e	D	D	D	D	D	D	D	D
336612	Boat building	2	7	3	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA												
31-33	Manufacturing	1	6 606	2 206	251 908	9 482 996	167 118	338 336	5 228 189	31 229 385	35 557 980	66 607 657	2 582 420
	Philadelphia, PA–NJ PMSA (NJ Part)	–	1 479	502	55 022	2 094 152	36 916	72 808	1 177 749	6 791 149	8 718 987	15 602 552	400 973
	Philadelphia, PA–NJ PMSA (PA Part)	1	5 127	1 704	196 886	7 388 844	130 202	265 528	4 050 440	24 438 236	26 838 993	51 005 105	2 181 447
311	Food mfg	1	543	169	23 115	703 712	15 744	31 442	415 160	2 575 262	3 626 338	6 186 218	145 214
3111	Animal food mfg	–	7	3	e	D	D	D	D	D	D	D	D
31111	Animal food mfg	–	7	3	e	D	D	D	D	D	D	D	D
311111	Dog & cat food mfg	–	2	2	e	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg	3	44	14	1 575	42 691	1 216	2 473	26 267	123 552	129 711	254 002	7 878
31133	Confectionery mfg from purchased chocolate	2	21	9	1 073	28 697	835	1 739	16 865	89 201	74 413	164 014	5 376
311330	Confectionery mfg from purchased chocolate	2	21	9	1 073	28 697	835	1 739	16 865	89 201	74 413	164 014	5 376
31134	Nonchocolate confectionery mfg	1	15	2	317	7 139	246	447	4 922	19 052	13 801	33 339	972
311340	Nonchocolate confectionery mfg	1	15	2	317	7 139	246	447	4 922	19 052	13 801	33 339	972
3114	Fruit & vegetable preserving & specialty food mfg	–	25	16	1 479	42 428	1 153	2 127	29 144	280 939	223 566	504 508	12 267
31141	Frozen food mfg	–	11	8	889	26 242	780	1 411	20 651	167 369	132 582	299 928	D
311412	Frozen specialty food mfg	–	10	7	f	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	–	14	8	590	16 186	373	716	8 493	113 570	90 984	204 580	D
311421	Fruit & vegetable canning	–	13	8	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg	2	43	13	1 499	50 305	789	1 618	24 021	155 662	375 626	527 335	16 921
31151	Dairy product (except frozen) mfg	2	22	12	1 390	48 046	711	1 504	22 666	149 391	366 390	511 840	16 431
311511	Fluid milk mfg	2	13	9	1 243	43 761	602	1 302	20 338	128 931	309 403	435 101	15 463
3116	Meat product mfg	–	60	43	7 660	227 962	5 732	12 065	138 323	569 835	2 065 790	2 634 155	43 748
31161	Animal slaughtering & processing	–	60	43	7 660	227 962	5 732	12 065	138 323	569 835	2 065 790	2 634 155	43 748
311611	Animal (except poultry) slaughtering	–	15	10	3 359	108 674	2 278	4 812	63 513	217 666	1 115 055	1 334 175	22 830
311612	Meat processed from carcasses	1	30	22	2 710	81 273	2 095	4 229	51 898	214 879	646 996	861 733	13 901
311615	Poultry processing	–	12	9	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	1	308	63	9 137	275 399	5 705	10 787	161 771	1 150 076	560 258	1 699 435	49 018
31181	Bread & bakery product mfg	2	276	50	7 219	214 441	4 366	7 957	121 551	825 861	354 081	1 178 644	31 811
311811	Retail bakeries	4	198	19	1 620	22 062	913	1 292	11 561	47 326	26 891	74 390	2 702
311812	Commercial bakeries	2	68	24	4 173	142 769	2 269	4 247	71 240	541 761	191 257	730 868	21 229
311813	Frozen cakes, pies, & other pastries mfg	–	10	7	1 426	49 610	1 184	2 418	38 750	236 774	135 933	373 386	7 880
31182	Cookie, cracker, & pasta mfg	–	31	13	g	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	–	15	7	g	D	D	D	D	D	D	D	13 848
311822	Flour mixes & dough mfg from purchased flour	2	6	4	346	9 211	205	413	4 995	30 890	35 472	67 700	D
3119	Other food mfg	2	51	16	1 385	51 345	880	1 797	28 072	232 262	202 153	435 142	D
31191	Snack food mfg	–	11	2	327	8 366	205	456	5 400	98 539	96 539	196 495	2 045
311919	Other snack food mfg	–	8	1	e	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg	4	13	5	450	20 781	245	544	10 199	52 079	34 402	86 964	D
311942	Spice & extract mfg	4	7	4	353	17 363	186	441	8 032	40 571	22 462	63 519	3 707
31199	All other food mfg	3	21	7	542	19 914	395	726	11 494	74 284	63 148	136 602	D
311999	All other miscellaneous food mfg	3	16	6	e	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	1	31	12	2 314	87 151	1 127	2 285	36 664	424 039	485 708	915 078	26 004
3121	Beverage mfg	1	30	11	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	1	19	7	1 785	70 552	715	1 480	24 359	309 228	438 886	753 024	19 594
312111	Soft drink mfg	1	9	6	1 721	68 712	686	1 420	23 719	305 860	436 486	747 212	19 029
3122	Tobacco mfg	–	1	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product mfg	–	1	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	–	1	1	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
313	Textile mills	2	96	44	3 218	87 010	2 528	5 220	58 333	181 138	220 207	404 570	13 111
3131	Fiber, yarn, & thread mills .	2	12	8	416	8 036	367	687	6 174	17 305	26 650	43 763	1 481
31311	Fiber, yarn, & thread mills	2	12	8	416	8 036	367	687	6 174	17 305	26 650	43 763	1 481
3132	Fabric mills	2	48	24	2 006	53 955	1 593	3 298	35 775	105 333	82 940	189 869	8 475
31321	Broadwoven fabric mills .	6	14	7	502	13 520	417	863	10 074	28 900	27 980	56 414	3 325
313210	Broadwoven fabric mills	6	14	7	502	13 520	417	863	10 074	28 900	27 980	56 414	3 325
31322	Narrow fabric mills & schiffli machine embroidery	—	17	8	1 101	28 787	858	1 763	17 671	54 552	26 719	81 228	3 543
313221	Narrow fabric mills	1	13	7	f	D	D	D	D	D	D	D	D
313222	Schiffli machine embroidery	—	4	1	e	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills ...	1	10	7	310	8 381	237	472	5 393	18 183	23 262	43 575	D
313230	Nonwoven fabric mills .	1	10	7	310	8 381	237	472	5 393	18 183	23 262	43 575	D
3133	Textile & fabric finishing & fabric coating mills	3	36	12	796	25 019	568	1 235	16 384	58 500	110 617	170 938	3 155
31331	Textile & fabric finishing mills	3	29	10	613	18 516	443	970	11 812	45 388	96 195	143 708	2 493
313311	Broadwoven fabric finishing mills	4	18	5	378	10 592	237	528	6 851	29 460	88 821	120 457	1 137
314	Textile product mills	1	122	26	2 030	47 467	1 567	2 969	28 729	93 408	87 153	179 560	D
3141	Textile furnishings mills	1	53	7	610	13 625	512	947	9 083	30 846	27 458	57 977	D
31412	Curtain & linen mills	1	49	6	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	15	4	315	8 001	264	501	5 531	20 255	19 907	39 770	D
3149	Other textile product mills ...	1	69	19	1 420	33 842	1 055	2 022	19 646	62 562	59 695	121 583	D
31491	Textile bag & canvas mills	1	27	7	540	12 451	432	780	7 667	22 939	23 182	45 107	D
314912	Canvas & related product mills	1	22	5	342	9 705	253	465	5 459	18 566	19 143	36 821	D
31499	All other textile product mills	2	42	12	880	21 391	623	1 242	11 979	39 623	36 513	76 476	D
314999	All other miscellaneous textile product mills ..	1	34	8	673	16 097	525	1 034	9 716	28 024	21 946	50 846	D
315	Apparel mfg	3	277	99	11 080	253 592	8 429	15 374	152 162	710 833	748 705	1 389 216	D
3151	Apparel knitting mills	3	19	6	466	9 833	425	798	6 189	20 486	19 091	38 828	D
31519	Other apparel knitting mills	3	11	4	e	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	3	205	79	9 592	225 098	7 241	13 342	135 273	660 195	686 261	1 277 195	11 271
31521	Cut & sew apparel contractors	3	102	37	2 054	31 498	1 925	3 359	25 724	62 532	9 296	71 541	1 481
315211	Men's & boys' cut & sew apparel contractors	2	15	8	407	7 543	369	644	5 584	22 119	3 543	25 429	444
315212	Women's, girls', & infants' cut & sew apparel contractors ..	3	87	29	1 647	23 955	1 556	2 715	20 140	40 413	5 753	46 112	1 037
31522	Men's & boys' cut & sew apparel mfg	6	35	17	3 020	75 308	2 426	4 890	48 961	245 267	239 980	475 159	5 238
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	4	9	8	g	D	D	D	D	D	D	D	1 971
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	9	6	2	e	D	D	D	D	D	D	D	D
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	7	6	3	548	12 176	497	1 027	10 096	31 084	22 175	52 883	D
31523	Women's & girls' cut & sew apparel mfg	1	50	20	4 155	111 144	2 707	4 756	57 588	331 400	418 345	691 598	4 243
315232	Women's & girls' cut & sew blouse & shirt mfg	4	12	5	1 002	18 544	852	1 616	14 018	66 398	49 477	114 374	634
315233	Women's & girls' cut & sew dress mfg	—	11	5	919	11 621	745	1 540	9 874	23 782	51 767	75 409	D
315234	Women's & girls' cut & sew suit, coat, skirt mfg	—	12	5	1 916	73 928	844	1 161	28 433	225 245	302 017	469 784	D
315239	Women's & girls' cut & sew other outerwear mfg	5	13	5	e	D	D	D	D	D	D	D	385
31529	Other cut & sew apparel mfg	2	18	5	363	7 148	183	337	3 000	20 996	18 640	38 897	309
315299	All other cut & sew apparel mfg	2	13	4	317	6 597	158	296	2 655	20 053	17 920	37 202	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
315	Apparel mfg—Con.												
3159	Apparel accessories & other apparel mfg	1	53	14	1 022	18 661	763	1 234	10 700	30 152	43 353	73 193	1 627
31599	Apparel accessories & other apparel mfg	1	53	14	1 022	18 661	763	1 234	10 700	30 152	43 353	73 193	1 627
315999	Other apparel accessories & other apparel mfg	1	41	11	810	15 992	608	1 009	8 949	24 284	39 526	63 526	D
316	Leather & allied product mfg .	2	23	3	269	5 328	194	363	3 613	16 009	16 012	33 946	292
321	Wood product mfg	2	125	33	2 080	53 993	1 596	3 045	33 892	123 908	208 532	328 825	D
3212	Veneer, plywood, & engineered wood product mfg	1	11	6	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, & engineered wood product mfg	1	11	6	e	D	D	D	D	D	D	D	D
321214	Truss mfg	1	6	5	e	D	D	D	D	D	D	D	D
3219	Other wood product mfg . . .	3	106	26	1 547	35 874	1 221	2 276	25 206	71 711	99 465	171 840	D
32191	Millwork	6	40	6	441	10 609	323	593	7 544	18 664	20 575	39 675	D
321911	Wood window & door mfg	8	17	5	307	6 766	219	396	4 694	11 909	14 332	26 695	D
32192	Wood container & pallet mfg	3	36	12	614	13 516	496	903	9 362	23 396	37 389	60 878	D
321920	Wood container & pallet mfg	3	36	12	614	13 516	496	903	9 362	23 396	37 389	60 878	D
32199	All other wood product mfg	1	30	8	492	11 749	402	780	8 300	29 651	41 501	71 287	D
321999	All other miscellaneous wood product mfg . . .	1	22	5	341	7 722	274	538	5 171	19 125	27 290	46 473	D
322	Paper mfg	1	150	99	11 236	449 189	8 241	17 384	277 145	1 450 721	1 414 585	2 845 499	138 630
3221	Pulp, paper, & paperboard mills	—	10	10	1 889	92 955	1 619	3 472	74 417	524 105	256 454	757 977	51 413
32212	Paper mills	—	2	2	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	2	2	g	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	8	8	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	8	8	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	1	140	89	9 347	356 234	6 622	13 912	202 728	926 616	1 158 131	2 087 522	87 217
32221	Paperboard container mfg	1	65	46	4 185	152 353	3 115	6 819	90 923	370 650	490 254	861 500	31 020
322211	Corrugated & solid fiber box mfg	1	30	21	2 160	84 261	1 548	3 205	47 103	198 213	292 509	491 909	18 558
322212	Folding paperboard box mfg	1	22	15	g	D	D	D	D	D	D	D	8 763
322213	Setup paperboard box mfg	3	7	5	253	7 002	199	393	4 565	12 528	9 852	22 135	23
322215	Nonfolding sanitary food container mfg . . .	—	2	2	e	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	1	33	18	2 395	99 724	1 646	3 573	57 980	326 947	334 878	659 370	19 934
322222	Coated & laminated paper mfg	1	23	11	1 294	57 420	834	1 831	31 707	227 422	187 938	414 056	12 677
322223	Plastics, foil, & coated paper bag mfg	—	3	3	f	D	D	D	D	D	D	D	D
322225	Laminated aluminum foil mfg for flexible packaging uses	—	2	2	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg . . .	1	22	11	895	30 392	557	1 152	15 627	51 391	71 059	124 796	2 120
322232	Envelope mfg	—	4	4	578	21 283	337	725	10 379	34 432	57 907	94 456	1 304
32229	Other converted paper product mfg	2	20	14	1 872	73 765	1 304	2 368	38 198	177 628	261 940	441 856	34 143
322291	Sanitary paper product mfg	—	5	4	926	42 456	658	1 402	26 839	103 227	129 023	228 166	D
322299	All other converted paper product mfg . . .	3	15	10	946	31 309	646	966	11 359	74 401	132 917	213 690	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
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	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
323	Printing & related support activities.....	2	945	221	23 739	833 074	16 899	32 463	511 473	1 886 194	1 195 681	3 079 569	129 173
3231	Printing & related support activities.....	2	945	221	23 739	833 074	16 899	32 463	511 473	1 886 194	1 195 681	3 079 569	129 173
32311	Printing.....	2	819	186	20 063	693 165	14 063	26 693	420 723	1 619 610	1 124 726	2 741 694	114 464
323110	Commercial lithographic printing ..	2	406	110	12 503	443 183	8 947	16 756	275 076	963 451	614 448	1 574 946	72 161
323111	Commercial gravure printing.....	5	7	5	476	20 739	357	836	13 941	48 521	49 316	96 748	7 284
323112	Commercial flexographic printing ..	2	19	7	613	24 850	439	928	15 433	64 029	46 496	110 730	2 332
323113	Commercial screen printing.....	3	65	13	881	21 441	637	1 111	12 473	42 475	23 181	65 723	3 058
323114	Quick printing.....	2	166	7	856	22 094	559	970	13 373	51 750	27 554	79 094	2 826
323116	Manifold business form printing.....	3	38	21	2 355	75 787	1 427	2 984	41 681	257 500	239 406	498 508	12 416
323117	Book printing.....	—	8	2	514	19 132	392	679	9 781	36 796	27 866	64 238	D
323119	Other commercial printing.....	5	87	13	1 419	53 990	1 014	1 902	32 607	128 446	82 323	210 720	8 961
32312	Support activities for printing.....	1	126	35	3 676	139 909	2 836	5 770	90 750	266 584	70 955	337 875	14 709
323121	Tradebinding & related work.....	—	40	15	983	32 293	802	1 811	22 253	60 899	18 180	80 555	3 416
323122	Prepress services.....	1	86	20	2 693	107 616	2 034	3 959	68 497	205 685	52 775	257 320	11 293
324	Petroleum & coal products mfg.....	—	55	28	4 707	267 418	3 050	7 145	166 823	1 786 726	9 093 063	10 971 541	576 185
3241	Petroleum & coal products mfg.....	—	55	28	4 707	267 418	3 050	7 145	166 823	1 786 726	9 093 063	10 971 541	576 185
32411	Petroleum refineries.....	—	8	8	3 354	211 053	2 213	5 353	138 290	1 549 304	8 363 886	10 005 177	563 565
324110	Petroleum refineries ..	—	8	8	3 354	211 053	2 213	5 353	138 290	1 549 304	8 363 886	10 005 177	563 565
32412	Asphalt paving, roofing, & saturated materials mfg.....	3	28	6	e	D	D	D	D	D	D	D	6 679
324122	Asphalt shingle & coating materials mfg.....	4	5	4	e	D	D	D	D	D	D	D	2 427
32419	Other petroleum & coal products mfg.....	—	19	14	f	D	D	D	D	D	D	D	5 941
324191	Petroleum lubricating oil & grease mfg.....	—	17	12	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	—	314	172	21 387	1 142 420	11 766	24 504	523 796	8 690 369	6 898 935	15 672 003	700 990
3251	Basic chemical mfg.....	—	52	27	4 265	239 488	2 102	4 055	108 187	1 389 936	1 581 863	2 981 008	104 063
32511	Petrochemical mfg.....	—	2	2	e	D	D	D	D	D	D	D	D
325110	Petrochemical mfg.....	—	2	2	e	D	D	D	D	D	D	D	D
32512	Industrial gas mfg.....	—	11	3	2 210	126 680	962	1 762	56 118	242 094	181 328	440 709	25 915
325120	Industrial gas mfg.....	—	11	3	2 210	126 680	962	1 762	56 118	242 094	181 328	440 709	25 915
32513	Dye & pigment mfg.....	2	10	2	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye & pigment mfg.....	2	10	2	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical mfg.....	—	13	9	549	28 623	356	760	14 920	359 559	500 191	857 022	11 536
325188	All other basic inorganic chemical mfg.....	—	13	9	549	28 623	356	760	14 920	359 559	500 191	857 022	11 536
32519	Other basic organic chemical mfg.....	—	16	11	781	47 976	405	840	19 208	560 919	566 921	1 134 902	28 818
325199	All other basic organic chemical mfg.....	1	15	10	f	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg.....	—	25	21	3 183	183 897	1 781	3 973	89 671	623 667	1 116 311	1 733 703	D
32521	Resin & synthetic rubber mfg.....	—	24	21	h	D	D	D	D	D	D	D	96 379
325211	Plastics material & resin mfg.....	—	21	19	h	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	—	54	38	8 961	527 975	5 037	10 695	237 322	5 919 099	3 352 981	9 362 871	451 833
32541	Pharmaceutical & medicine mfg.....	—	54	38	8 961	527 975	5 037	10 695	237 322	5 919 099	3 352 981	9 362 871	451 833
325411	Medicinal & botanical mfg.....	3	6	4	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg.....	—	29	20	7 553	455 767	4 239	9 133	209 497	5 761 192	3 193 900	9 046 541	417 828
325413	In-vitro diagnostic substance mfg.....	1	8	7	e	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) mfg.....	7	11	7	592	36 597	350	763	13 267	84 391	107 193	190 976	6 255

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg—Con.												
3255	Paint, coating, & adhesive mfg	3	58	27	1 841	68 708	976	1 920	29 179	295 904	309 608	612 821	15 675
32551	Paint & coating mfg	2	36	18	1 269	45 539	684	1 291	19 820	205 992	207 495	418 742	8 406
325510	Paint & coating mfg ...	2	36	18	1 269	45 539	684	1 291	19 820	205 992	207 495	418 742	8 406
32552	Adhesive mfg	3	22	9	572	23 169	292	629	9 359	89 912	102 113	194 079	7 269
325520	Adhesive mfg	3	22	9	572	23 169	292	629	9 359	89 912	102 113	194 079	7 269
3256	Soap, cleaning compound, & toilet preparation mfg ..	4	56	22	1 173	44 569	707	1 394	21 131	128 088	176 189	304 514	14 632
32561	Soap & cleaning compound mfg	4	49	22	1 117	43 063	668	1 326	20 263	122 094	171 887	294 200	14 241
325611	Soap & other detergent mfg	2	21	9	478	16 930	287	561	8 396	34 673	56 985	91 914	2 437
325612	Polish & other sanitation good mfg ...	5	19	7	396	13 384	248	433	4 929	28 757	31 932	60 913	1 312
3259	Other chemical product mfg	3	62	35	1 806	71 349	1 089	2 306	36 338	320 065	346 622	649 154	D
32591	Printing ink mfg	3	16	11	474	21 291	253	584	9 424	81 163	45 244	122 598	D
325910	Printing ink mfg	3	16	11	474	21 291	253	584	9 424	81 163	45 244	122 598	D
32599	All other chemical product & preparation mfg	3	46	24	1 332	50 058	836	1 722	26 914	238 902	301 378	526 556	14 971
325991	Custom compounding of purchased resin ...	1	15	7	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product & preparation mfg	5	28	15	779	29 354	438	888	14 699	146 156	141 951	280 013	10 083
326	Plastics & rubber products mfg	2	277	137	11 455	386 427	8 435	17 147	231 743	1 098 954	888 212	1 978 298	89 583
3261	Plastics product mfg	2	233	117	10 393	352 113	7 653	15 572	211 213	1 028 921	832 750	1 853 129	85 499
32611	Unsupported plastics film, sheet, & bag mfg ..	4	30	15	1 210	39 529	891	1 711	24 390	96 082	116 016	212 532	14 971
326111	Unsupported plastics bag mfg	3	11	6	420	13 612	319	703	8 588	35 169	39 698	74 877	3 402
326112	Unsupported plastics packaging film & sheet mfg	—	5	3	382	11 499	304	479	7 614	20 943	26 515	47 402	2 318
326113	Unsupported plastics film & sheet (except packaging) mfg	7	14	6	408	14 418	268	529	8 188	39 970	49 803	90 253	9 251
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	4	19	11	911	32 535	681	1 534	20 593	87 346	70 476	157 664	7 182
326121	Unsupported plastics profile shape mfg	4	17	10	f	D	D	D	D	D	D	D	D
32615	Urethane & other foam product (except polystyrene) mfg	5	13	9	694	21 272	525	1 004	11 474	63 936	74 601	138 390	4 331
326150	Urethane & other foam product (except polystyrene) mfg	5	13	9	694	21 272	525	1 004	11 474	63 936	74 601	138 390	4 331
32616	Plastics bottle mfg	—	6	5	324	10 299	277	533	8 060	45 009	37 914	80 537	1 339
326160	Plastics bottle mfg	—	6	5	324	10 299	277	533	8 060	45 009	37 914	80 537	1 339
32619	Other plastics product mfg	1	151	72	6 920	236 654	5 027	10 177	138 383	700 297	491 972	1 186 069	55 121
326192	Resilient floor covering mfg	—	3	2	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	1	146	68	5 584	177 060	4 224	8 410	104 173	371 959	337 830	706 427	D
3262	Rubber product mfg	2	44	20	1 062	34 314	782	1 575	20 530	70 033	55 462	125 169	4 084
32629	Other rubber product mfg	2	35	16	877	29 320	663	1 343	17 667	60 344	42 598	102 837	3 498
326291	Rubber product mfg for mechanical use	4	13	5	255	8 268	192	377	4 874	14 606	8 563	23 146	989
326299	All other rubber product mfg	1	22	11	622	21 052	471	966	12 793	45 738	34 035	79 691	2 509

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

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	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product mfg	1	209	68	4 955	183 217	3 734	7 912	121 667	535 467	406 537	940 719	D
3271	Clay product & refractory mfg	3	22	6	418	11 550	354	634	8 523	32 290	14 865	47 872	531
32711	Pottery, ceramics, & plumbing fixture mfg	—	13	4	e	D	D	D	D	D	D	D	289
327112	Vitreous china, fine earthenware, & other pottery product mfg	—	12	4	e	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg	—	38	13	1 267	49 859	967	2 059	33 733	132 498	98 140	227 544	D
32721	Glass & glass product mfg	—	38	13	1 267	49 859	967	2 059	33 733	132 498	98 140	227 544	D
327213	Glass container mfg	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	—	29	11	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	1	102	36	2 123	79 184	1 555	3 381	49 453	203 698	187 574	391 063	D
32732	Ready-mix concrete mfg	1	49	17	888	36 688	653	1 423	23 916	99 399	91 908	191 779	8 190
327320	Ready-mix concrete mfg	1	49	17	888	36 688	653	1 423	23 916	99 399	91 908	191 779	8 190
32733	Concrete pipe, brick, & block mfg	—	18	6	e	D	D	D	D	D	D	D	D
32739	Other concrete product mfg	1	33	13	863	27 320	630	1 288	16 590	65 945	56 072	121 675	D
327390	Other concrete product mfg	1	33	13	863	27 320	630	1 288	16 590	65 945	56 072	121 675	D
3274	Lime & gypsum product mfg	—	7	3	255	10 873	207	497	8 203	54 440	46 836	101 400	D
3279	Other nonmetallic mineral product mfg	—	40	10	892	31 751	651	1 341	21 755	112 541	59 122	172 840	D
32799	All other nonmetallic mineral product mfg	—	32	6	708	25 230	524	1 081	18 225	94 348	48 140	143 664	D
327993	Mineral wool mfg	—	7	2	306	12 129	252	517	9 879	45 584	25 554	72 060	D
331	Primary metal mfg	—	86	48	9 586	414 030	7 156	14 709	280 222	895 417	1 619 209	2 530 925	92 877
3311	Iron & steel mills & ferroalloy mfg	—	10	9	3 815	198 541	2 713	5 869	139 778	363 962	965 863	1 335 325	31 595
33111	Iron & steel mills & ferroalloy mfg	—	10	9	3 815	198 541	2 713	5 869	139 778	363 962	965 863	1 335 325	31 595
331111	Iron & steel mills	—	9	8	h	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product mfg	—	1	1	e	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	—	11	11	1 287	42 768	1 016	2 103	30 479	105 105	152 757	262 406	D
33121	Iron & steel pipes & tubes mfg from purchased steel	—	4	4	744	25 583	591	1 206	17 829	49 307	64 146	116 806	7 246
331210	Iron & steel pipes & tubes mfg from purchased steel	—	4	4	744	25 583	591	1 206	17 829	49 307	64 146	116 806	7 246
33122	Rolling & drawing of purchased steel	—	7	7	543	17 185	425	897	12 650	55 798	88 611	145 600	D
331221	Cold-rolled steel shape mfg	—	3	3	e	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing	—	5	4	1 296	41 997	1 148	1 834	27 261	98 555	189 605	284 253	9 641
33131	Alumina & aluminum production & processing	—	5	4	1 296	41 997	1 148	1 834	27 261	98 555	189 605	284 253	9 641
331315	Aluminum sheet, plate, & foil mfg	—	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	—	2	2	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing	—	21	12	1 271	62 351	786	1 784	33 758	157 096	186 872	357 301	29 313
33141	Nonferrous metal (except aluminum) smelting & refining	—	5	2	e	D	D	D	D	D	D	D	D
331419	Other nonferrous metal primary smelting & refining	—	5	2	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying	1	4	4	e	D	D	D	D	D	D	D	D

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	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
331	Primary metal mfg—Con.												
3314	Nonferrous metal (except aluminum) production & processing—Con.												
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	1	12	6	491	22 774	258	622	9 993	54 244	77 480	132 014	D
331492	Other nonferrous metal secondary smelting, refining, & alloying ...	2	9	5	e	D	D	D	D	D	D	D	5 034
3315	Foundries	—	39	12	1 917	68 373	1 493	3 119	48 946	170 699	124 112	291 640	D
33151	Ferrous metal foundries ..	—	16	7	898	31 924	709	1 483	22 119	104 251	72 634	173 931	D
331511	Iron foundries	—	10	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	1	23	5	1 019	36 449	784	1 636	26 827	66 448	51 478	117 709	6 811
331521	Aluminum die-casting foundries	1	3	3	f	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	—	5	1	e	D	D	D	D	D	D	D	505
332	Fabricated metal product mfg	1	1 154	346	28 785	1 049 019	21 056	42 235	639 919	2 378 504	1 705 280	4 060 987	150 287
3321	Forging & stamping	1	55	31	1 721	60 943	1 232	2 581	34 410	121 410	123 288	245 236	6 625
33211	Forging & stamping	1	55	31	1 721	60 943	1 232	2 581	34 410	121 410	123 288	245 236	6 625
332111	Iron & steel forging	—	8	6	297	10 757	217	488	6 647	21 030	19 299	40 511	1 103
332114	Custom roll forming	—	12	5	315	12 949	197	434	5 480	29 357	30 257	59 384	1 028
332116	Metal stamping	2	30	18	969	34 057	712	1 492	19 826	62 808	70 012	133 094	4 027
3322	Cutlery & handtool mfg. ...	3	39	10	839	27 846	581	1 114	15 065	70 535	49 971	118 868	3 042
33221	Cutlery & handtool mfg. ...	3	39	10	839	27 846	581	1 114	15 065	70 535	49 971	118 868	3 042
332212	Hand & edge tool mfg. ...	2	28	5	455	15 845	314	614	8 463	32 134	19 606	51 256	1 252
3323	Architectural & structural metals mfg	1	240	84	6 048	212 746	4 403	9 166	118 941	474 880	400 902	863 464	19 926
33231	Plate work & fabricated structural product mfg. ...	1	57	22	1 349	54 717	948	2 063	30 567	138 593	111 276	245 484	4 847
332312	Fabricated structural metal mfg	1	31	12	688	28 851	481	1 111	17 405	69 654	74 910	145 245	2 893
332313	Plate work mfg	1	22	9	573	22 783	409	827	11 680	61 350	29 445	85 484	D
33232	Ornamental & architectural metal products mfg.	1	183	62	4 699	158 029	3 455	7 103	88 374	336 287	289 626	617 980	15 079
332321	Metal window & door mfg	1	29	12	719	20 204	512	958	11 831	42 038	68 530	110 583	1 180
332322	Sheet metal work mfg.	1	110	41	3 167	105 558	2 424	5 019	61 325	232 465	172 570	396 286	12 220
332323	Ornamental & architectural metal work mfg	—	44	9	813	32 267	519	1 126	15 218	61 784	48 526	111 111	1 679
3324	Boiler, tank, & shipping container mfg	1	35	20	1 393	47 713	953	1 892	27 284	133 255	200 082	333 601	5 139
33241	Power boiler & heat exchanger mfg.	2	10	7	e	D	D	D	D	D	D	D	2 102
332410	Power boiler & heat exchanger mfg	2	10	7	e	D	D	D	D	D	D	D	2 102
33243	Metal can, box, & other metal container (light gauge) mfg	—	18	9	792	25 416	641	1 285	18 616	86 121	150 139	236 889	2 463
332431	Metal can mfg.	—	5	2	291	10 925	237	515	8 761	38 611	91 284	130 101	D
332439	Other metal container mfg	1	13	7	501	14 491	404	770	9 855	47 510	58 855	106 788	D
3325	Hardware mfg.	—	9	4	340	8 566	216	413	5 228	24 890	20 194	45 280	638
33251	Hardware mfg.	—	9	4	340	8 566	216	413	5 228	24 890	20 194	45 280	638
332510	Hardware mfg.	—	9	4	340	8 566	216	413	5 228	24 890	20 194	45 280	638
3326	Spring & wire product mfg.	1	36	13	1 016	35 200	703	1 365	18 354	87 989	61 829	151 358	3 928
33261	Spring & wire product mfg	1	36	13	1 016	35 200	703	1 365	18 354	87 989	61 829	151 358	3 928
332612	Spring (light gauge) mfg	—	6	4	391	14 624	238	446	7 207	45 191	24 440	70 979	2 145
332618	Other fabricated wire product mfg	2	26	7	e	D	D	D	D	D	D	D	1 352
3327	Machine shops, turned product, & screw, nut, & bolt mfg.	1	498	96	9 365	373 826	7 226	14 894	256 662	776 251	322 735	1 105 251	69 904
33271	Machine shops	2	428	68	5 405	206 394	4 152	8 086	134 737	395 841	172 612	575 351	30 626
332710	Machine shops	2	428	68	5 405	206 394	4 152	8 086	134 737	395 841	172 612	575 351	30 626
33272	Turned product & screw, nut, & bolt mfg	—	70	28	3 960	167 432	3 074	6 808	121 925	380 410	150 123	529 900	39 278
332721	Precision turned product mfg	—	45	17	1 370	46 453	1 146	2 506	34 555	111 457	52 186	162 952	13 753
332722	Bolt, nut, screw, rivet, & washer mfg	—	25	11	2 590	120 979	1 928	4 302	87 370	268 953	97 937	366 948	25 525

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

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	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3328	Coating, engraving, heat treating, & allied activities .	2	121	30	1 810	62 134	1 380	2 801	39 379	130 998	56 083	184 627	9 112
33281	Coating, engraving, heat treating, & allied activities	2	121	30	1 810	62 134	1 380	2 801	39 379	130 998	56 083	184 627	9 112
332811	Metal heat treating	—	17	6	340	12 204	245	485	6 867	32 229	9 512	40 661	2 582
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	2	47	14	736	24 980	581	1 246	17 487	54 184	32 331	84 995	4 044
332813	Electroplating, plating, polishing, anodizing, & coloring	3	57	10	734	24 950	554	1 070	15 025	44 585	14 240	58 971	2 486
3329	Other fabricated metal product mfg	—	121	58	6 253	220 045	4 362	8 009	124 596	558 296	470 196	1 013 302	31 973
33291	Metal valve mfg	—	31	19	2 314	89 898	1 458	2 883	44 390	231 556	209 012	429 487	15 613
332911	Industrial valve mfg	1	17	10	937	43 656	522	1 080	19 942	111 043	61 347	167 207	D
332913	Plumbing fixture fitting & trim mfg	—	3	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	—	90	39	3 939	130 147	2 904	5 126	80 206	326 740	261 184	583 815	16 360
332991	Ball & roller bearing mfg	—	4	4	503	19 834	346	686	12 053	59 606	23 360	80 959	D
332996	Fabricated pipe & pipe fitting mfg	—	17	8	736	24 617	546	871	14 882	54 798	20 970	74 391	2 698
332998	Enameled iron & metal sanitary ware mfg	—	3	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	49	23	1 800	63 895	1 293	2 525	37 978	159 783	186 183	347 582	6 582
333	Machinery mfg	1	524	186	18 207	706 910	10 125	21 066	337 222	1 508 844	1 523 451	3 032 378	89 140
3332	Industrial machinery mfg	—	99	33	5 531	199 288	2 530	5 272	80 552	500 590	537 638	1 023 200	23 855
33322	Plastics & rubber industry machinery mfg	—	11	4	e	D	D	D	D	D	D	D	D
333220	Plastics & rubber industry machinery mfg	—	11	4	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	—	87	29	5 262	178 320	2 382	4 950	70 254	473 834	483 709	948 077	D
333291	Paper industry machinery mfg	—	12	6	796	41 388	481	1 114	24 408	74 112	81 898	154 611	3 809
333295	Semiconductor machinery mfg	—	6	3	h	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg	2	45	11	1 321	55 427	641	1 324	20 008	118 376	110 364	228 665	6 865
3333	Commercial & service industry machinery mfg	1	53	21	1 855	65 567	929	1 794	25 310	109 823	108 749	218 970	6 276
33331	Commercial & service industry machinery mfg	1	53	21	1 855	65 567	929	1 794	25 310	109 823	108 749	218 970	6 276
333313	Office machinery mfg	—	2	2	f	D	D	D	D	D	D	D	D
333315	Photographic & photocopying equipment mfg	7	12	5	337	9 319	232	377	5 028	19 114	13 248	33 374	1 816
333319	Other commercial & service industry machinery mfg	—	24	8	513	19 123	275	579	8 368	43 908	40 885	84 652	1 150
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1	37	20	1 490	48 199	1 013	2 016	24 901	124 494	114 060	236 285	5 646
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1	37	20	1 490	48 199	1 013	2 016	24 901	124 494	114 060	236 285	5 646
333414	Heating equipment (except warm air furnaces) mfg	2	10	4	295	10 705	148	329	4 108	36 931	19 833	56 552	621
333415	AC & warm air heating & commercial/industrial refrig equip mfg	—	15	10	858	26 121	658	1 325	15 871	53 840	63 881	116 111	1 828
3335	Metalworking machinery mfg	3	145	25	1 834	71 638	1 367	2 725	47 925	131 225	53 890	183 140	8 600
33351	Metalworking machinery mfg	3	145	25	1 834	71 638	1 367	2 725	47 925	131 225	53 890	183 140	8 600
333511	Industrial mold mfg	2	28	4	269	12 444	225	484	9 484	22 007	8 989	30 467	1 361
333514	Special die & tool, die set, jig, & fixture mfg	3	74	15	1 056	40 786	819	1 612	28 475	72 065	23 379	94 593	3 535
333515	Cutting tool & machine tool accessory mfg	4	28	1	270	9 918	169	336	5 217	21 680	6 866	27 887	1 338

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	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3336	Engine, turbine, & power transmission equipment mfg	1	20	9	1 108	54 441	710	1 704	29 731	107 120	70 058	179 493	9 993
33361	Engine, turbine, & power transmission equipment mfg	1	20	9	1 108	54 441	710	1 704	29 731	107 120	70 058	179 493	9 993
333612	Speed changer, industrial high-speed drive, & gear mfg	—	8	4	658	35 676	419	1 103	18 949	70 713	51 689	124 912	8 676
333613	Mechanical power transmission equipment mfg	—	5	2	e	D	D	D	D	D	D	D	505
3339	Other general-purpose machinery mfg	1	162	75	6 161	259 187	3 411	7 233	123 434	520 814	614 601	1 153 246	33 688
33391	Pump & compressor mfg	1	25	15	1 655	72 305	951	2 155	37 945	151 310	126 690	281 595	11 167
333911	Pump & pumping equipment mfg	3	16	8	f	D	D	D	D	D	D	D	3 498
333912	Air & gas compressor mfg	—	8	6	536	22 907	307	745	11 391	55 220	37 597	92 263	D
333913	Measuring & dispensing pump mfg	—	1	1	e	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	—	31	20	1 405	47 480	848	1 630	24 711	76 782	103 146	181 381	5 991
333922	Conveyor & conveying equipment mfg	—	13	9	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	—	8	6	525	18 316	364	731	10 610	28 953	36 325	67 106	3 497
33399	All other general-purpose machinery mfg	2	106	40	3 101	139 402	1 612	3 448	60 778	292 722	384 765	690 270	16 530
333993	Packaging machinery mfg	—	26	14	667	30 107	399	806	15 276	65 463	46 439	111 622	1 985
333994	Industrial process furnace & oven mfg ..	4	18	7	755	35 268	315	753	13 611	101 880	128 520	223 114	4 777
333999	All other miscellaneous general-purpose machinery mfg	—	44	15	1 357	61 764	700	1 478	25 174	99 337	179 387	298 349	8 840
334	Computer & electronic product mfg	2	448	191	27 385	1 146 916	14 501	28 882	500 775	2 832 446	1 747 715	4 552 369	146 204
3341	Computer & peripheral equipment mfg	1	49	24	3 330	132 188	1 299	2 753	42 661	326 597	313 962	635 540	14 604
33411	Computer & peripheral equipment mfg	1	49	24	3 330	132 188	1 299	2 753	42 661	326 597	313 962	635 540	14 604
334111	Electronic computer mfg	2	9	3	426	18 476	157	325	6 388	57 577	48 319	102 525	D
334119	Other computer peripheral equipment mfg	1	33	17	2 693	104 729	1 070	2 239	30 737	249 793	246 877	494 719	D
3342	Communications equipment mfg	3	66	35	7 177	343 680	3 031	5 490	108 338	850 716	538 619	1 369 581	43 170
33421	Telephone apparatus mfg	—	13	7	798	36 219	404	708	11 877	162 743	134 702	303 787	10 131
334210	Telephone apparatus mfg	—	13	7	798	36 219	404	708	11 877	162 743	134 702	303 787	10 131
33422	Radio & TV broadcasting & wireless communications equipment mfg	4	41	25	6 210	301 893	2 546	4 627	94 744	672 430	397 111	1 043 394	32 423
334220	Radio & TV broadcasting & wireless communications equipment mfg	4	41	25	6 210	301 893	2 546	4 627	94 744	672 430	397 111	1 043 394	32 423
3344	Semiconductor & other electronic component mfg	2	139	60	5 087	158 834	3 384	6 621	74 956	324 928	191 527	510 774	35 976
33441	Semiconductor & other electronic component mfg	2	139	60	5 087	158 834	3 384	6 621	74 956	324 928	191 527	510 774	35 976
334412	Bare printed circuit board mfg	4	32	6	448	12 896	323	610	7 308	25 557	16 052	41 379	2 603
334413	Semiconductor & related device mfg ...	1	27	12	1 176	44 393	764	1 497	21 025	83 090	45 559	127 581	23 724
334416	Electronic coil, transformer, & other inductor mfg	2	9	4	500	16 527	349	785	9 553	33 735	15 858	49 175	1 300
334417	Electronic connector mfg	2	15	10	705	20 462	430	832	7 633	37 797	32 545	70 643	2 123

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

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	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg—Con.												
33441	Semiconductor & other electronic component mfg—Con.												
334418	Printed circuit assembly (electronic assembly) mfg	3	17	11	763	23 697	421	806	9 126	47 496	19 896	64 102	2 428
334419	Other electronic component mfg	1	35	14	1 076	30 125	787	1 518	15 570	75 102	44 416	118 233	2 759
3345	Navigational, measuring, medical, & control instruments mfg	1	159	63	10 449	462 395	5 860	12 151	240 073	1 226 532	637 134	1 866 121	37 359
33451	Navigational, measuring, medical, & control instruments mfg	1	159	63	10 449	462 395	5 860	12 151	240 073	1 226 532	637 134	1 866 121	37 359
334510	Electromedical & electrotherapeutic apparatus mfg	2	12	7	753	30 460	276	506	8 326	55 664	54 569	116 243	3 961
334511	Search, detection, navigation, & guidance instrument mfg	—	18	8	h	D	D	D	D	D	D	D	14 152
334513	Industrial process control instrument mfg	3	36	15	3 312	139 537	1 376	2 883	48 554	360 524	187 147	547 331	11 776
334515	Electricity measuring & testing instrument mfg	1	21	10	645	24 517	364	706	9 729	58 939	37 976	98 132	2 293
334516	Analytical laboratory instrument mfg	3	22	5	439	16 039	244	542	7 787	40 588	19 514	59 364	804
334519	Other measuring & controlling device mfg	1	27	10	1 215	48 107	727	1 512	22 401	46 365	43 155	90 161	3 256
3346	Mfg & reproducing magnetic & optical media	3	28	9	1 303	48 931	899	1 811	34 249	102 050	63 273	165 502	14 990
33461	Mfg & reproducing magnetic & optical media	3	28	9	1 303	48 931	899	1 811	34 249	102 050	63 273	165 502	14 990
334612	Prerecorded CD (except software), tape, & record reproducing	2	16	5	1 090	42 736	734	1 486	30 335	84 691	53 439	138 133	11 874
335	Electrical equipment, appliance, & component mfg	1	155	61	7 227	234 995	5 041	10 102	136 084	740 950	674 536	1 424 082	28 298
3351	Electric lighting equipment mfg	—	40	20	2 570	61 409	1 982	3 626	38 529	185 482	276 297	464 969	7 728
33512	Lighting fixture mfg	—	40	20	2 570	61 409	1 982	3 626	38 529	185 482	276 297	464 969	7 728
335121	Residential electric lighting fixture mfg	—	21	8	1 306	25 861	1 063	1 751	16 835	79 575	120 515	204 725	2 828
335122	Commercial/industrial/institutional electric lighting fixture mfg	—	13	7	976	26 737	753	1 554	17 488	80 424	131 800	210 610	3 884
335129	Other lighting equipment mfg	—	6	5	288	8 811	166	321	4 206	25 483	23 982	49 634	1 016
3352	Household appliance mfg	—	5	3	e	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg	1	54	12	1 747	77 882	1 011	2 185	41 961	179 390	101 105	286 785	D
33531	Electrical equipment mfg	1	54	12	1 747	77 882	1 011	2 185	41 961	179 390	101 105	286 785	D
335312	Motor & generator mfg	3	12	3	549	20 148	376	844	11 395	52 603	26 553	78 638	1 799
335313	Switchgear & switchboard apparatus mfg	—	13	6	895	45 612	449	970	24 816	89 253	52 775	148 136	D
3359	Other electrical equipment & component mfg	1	56	26	h	D	D	D	D	D	D	D	13 194
33592	Communication & energy wire & cable mfg	—	4	4	e	D	D	D	D	D	D	D	D
335929	Other communication & energy wire mfg	—	3	3	e	D	D	D	D	D	D	D	2 401
33593	Wiring device mfg	1	25	9	1 268	42 238	1 005	2 123	29 750	143 864	153 810	298 065	5 871
335931	Current-carrying wiring device mfg	1	19	6	674	20 379	564	1 213	15 377	67 529	39 108	105 804	2 614
335932	Noncurrent-carrying wiring device mfg	1	6	3	594	21 859	441	910	14 373	76 335	114 702	192 261	3 257

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	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3359	Other electrical equipment & component mfg—Con.												
33599	All other electrical equipment & component mfg	1	25	12	900	30 071	550	1 112	12 782	95 802	88 827	182 661	4 322
335999	All other miscellaneous electrical equipment & component mfg	2	24	11	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	146	57	18 157	789 903	11 575	26 087	425 749	1 694 228	1 786 397	3 280 544	D
3362	Motor vehicle body & trailer mfg	2	20	5	401	10 775	283	535	6 097	22 047	38 682	60 999	D
33621	Motor vehicle body & trailer mfg	2	20	5	401	10 775	283	535	6 097	22 047	38 682	60 999	D
3363	Motor vehicle parts mfg . . .	—	83	39	10 455	383 622	7 486	17 479	251 535	1 172 913	1 095 528	2 290 724	107 314
33631	Motor vehicle gasoline engine & engine parts mfg	2	13	5	625	18 719	494	811	11 629	44 828	100 199	159 210	D
336312	Gasoline engine & engine parts mfg	2	9	4	587	17 681	464	762	10 930	42 821	98 895	155 910	D
33632	Motor vehicle electrical & electronic equipment mfg	—	29	13	2 469	97 991	1 921	3 943	68 542	376 964	384 281	776 400	D
336322	Other motor vehicle electrical & electronic equipment mfg	—	28	13	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg . . .	—	3	2	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg	—	3	2	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg	—	8	6	h	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system mfg	—	8	6	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg	—	4	2	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg	—	4	2	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	4	3	g	D	D	D	D	D	D	D	2 528
336370	Motor vehicle metal stamping	—	4	3	g	D	D	D	D	D	D	D	2 528
33639	Other motor vehicle parts mfg	1	19	8	1 081	37 649	833	1 474	18 353	111 253	194 398	304 604	6 415
336399	All other motor vehicle parts mfg	1	19	8	1 081	37 649	833	1 474	18 353	111 253	194 398	304 604	6 415
3364	Aerospace product & parts mfg	—	17	7	6 167	364 687	2 872	6 144	144 060	454 077	577 423	808 990	17 956
33641	Aerospace product & parts mfg	—	17	7	6 167	364 687	2 872	6 144	144 060	454 077	577 423	808 990	17 956
336411	Aircraft mfg	—	5	2	i	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	1	12	5	f	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	14	2	821	22 097	741	1 654	19 039	22 946	38 934	61 883	D
33661	Ship & boat building	—	14	2	821	22 097	741	1 654	19 039	22 946	38 934	61 883	D
336611	Ship building & repairing	—	9	2	f	D	D	D	D	D	D	D	D

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	Philadelphia, PA–NJ PMSA—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg	2	311	65	7 671	236 560	5 753	11 543	148 065	610 543	489 189	1 097 904	31 634
3371	Household & institutional furniture & kitchen cabinet mfg	3	193	19	2 920	74 710	2 403	4 638	51 551	149 534	166 223	316 142	8 018
33711	Wood kitchen cabinet & counter top mfg	2	93	7	721	19 458	579	1 200	14 042	39 584	28 041	67 634	1 133
337110	Wood kitchen cabinet & counter top mfg ...	2	93	7	721	19 458	579	1 200	14 042	39 584	28 041	67 634	1 133
33712	Household & institutional furniture mfg	3	100	12	2 199	55 252	1 824	3 438	37 509	109 950	138 182	248 508	6 885
337122	Nonupholstered wood household furniture mfg	3	45	2	252	5 607	218	444	4 529	11 329	10 601	21 257	374
337124	Metal household furniture mfg	5	9	6	1 430	33 209	1 254	2 294	24 516	72 867	67 255	140 673	5 438
337127	Institutional furniture mfg	—	15	2	312	11 606	175	338	4 755	16 759	52 885	70 134	813
3372	Office furniture (including fixtures) mfg	1	99	42	4 529	156 627	3 196	6 605	93 693	437 379	308 818	743 899	23 354
33721	Office furniture (including fixtures) mfg	1	99	42	4 529	156 627	3 196	6 605	93 693	437 379	308 818	743 899	23 354
337211	Wood office furniture mfg	7	10	4	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork & millwork mfg	1	29	12	773	28 588	525	1 074	15 941	60 543	40 731	101 617	2 337
337214	Office furniture (except wood) mfg	—	6	3	g	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, & locker mfg	2	54	23	1 821	58 050	1 329	2 657	34 704	108 676	104 289	211 642	4 390
339	Miscellaneous mfg	2	615	141	13 305	404 665	8 601	16 459	198 953	995 425	722 535	1 703 426	45 476
3391	Medical equipment & supplies mfg	2	288	69	6 097	184 071	3 852	7 066	85 313	473 422	205 511	668 636	23 560
33911	Medical equipment & supplies mfg	2	288	69	6 097	184 071	3 852	7 066	85 313	473 422	205 511	668 636	23 560
339111	Laboratory apparatus & furniture mfg	—	20	10	680	20 940	466	819	9 739	45 422	24 995	69 558	1 681
339112	Surgical & medical instrument mfg	1	59	20	2 258	77 004	1 231	2 317	31 783	262 319	93 387	345 752	11 110
339113	Surgical appliance & supplies mfg	1	35	17	933	25 237	530	851	10 003	47 998	25 875	73 329	3 593
339114	Dental equipment & supplies mfg	2	28	11	873	29 680	615	1 192	14 613	53 867	29 152	82 747	1 910
339115	Ophthalmic goods mfg	8	15	6	607	11 905	432	851	7 126	27 370	16 385	43 826	3 990
339116	Dental laboratories ...	6	131	5	746	19 305	578	1 036	12 049	36 446	15 717	53 424	1 276
3399	Other miscellaneous mfg ..	2	327	72	7 208	220 594	4 749	9 393	113 640	522 003	517 024	1 034 790	21 916
33991	Jewelry & silverware mfg	2	59	7	848	21 013	470	863	9 740	48 678	83 423	133 276	1 090
339911	Jewelry (except costume) mfg	2	40	5	694	17 804	385	726	8 225	42 552	77 032	120 926	961
33992	Sporting & athletic goods mfg	1	20	7	828	26 034	659	1 469	17 568	55 086	76 982	136 293	4 439
339920	Sporting & athletic goods mfg	1	20	7	828	26 034	659	1 469	17 568	55 086	76 982	136 293	4 439
33993	Doll, toy, & game mfg ...	3	21	6	280	8 000	202	334	4 160	26 449	20 483	45 176	745
33994	Office supplies (except paper) mfg	—	23	5	669	18 829	374	780	10 765	46 308	37 334	82 269	1 745
339944	Carbon paper & inked ribbon mfg	—	6	2	354	10 552	148	337	5 715	24 335	24 733	47 905	1 093
33995	Sign mfg	2	114	21	1 707	61 480	1 128	2 227	29 913	129 571	85 540	213 049	3 786
339950	Sign mfg	2	114	21	1 707	61 480	1 128	2 227	29 913	129 571	85 540	213 049	3 786
33999	All other miscellaneous mfg	3	90	26	2 876	85 238	1 916	3 720	41 494	215 911	213 262	424 727	10 111
339991	Gasket, packing, & sealing device mfg ...	6	21	8	1 012	34 784	626	1 272	15 280	74 494	48 371	122 624	4 765
339994	Broom, brush, & mop mfg	2	6	3	267	7 850	209	418	5 269	24 533	36 148	59 198	1 546
339999	All other miscellaneous mfg	1	47	10	1 318	34 214	903	1 666	16 789	95 570	110 735	202 888	2 845

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con.												
	Vineland–Millville–Bridgeton, NJ PMSA												
31-33	Manufacturing	1	210	90	12 985	398 339	10 077	20 143	277 203	979 464	926 899	1 896 126	89 697
311	Food mfg	1	30	19	2 431	69 438	1 944	3 868	46 758	221 972	321 279	541 062	14 337
3114	Fruit & vegetable preserving & specialty food mfg	—	9	9	1 598	53 207	1 331	2 781	36 943	187 094	246 258	431 901	10 782
31141	Frozen food mfg	—	3	3	667	19 141	573	1 216	12 227	50 368	72 323	122 638	D
311411	Frozen fruit, juice, & vegetable mfg	1	2	2	e	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	—	6	6	931	34 066	758	1 565	24 716	136 726	173 935	309 263	D
311421	Fruit & vegetable canning	3	2	2	e	D	D	D	D	D	D	D	D
311422	Specialty canning	—	3	3	f	D	D	D	D	D	D	D	D
3116	Meat product mfg	5	5	4	520	9 033	363	607	4 979	16 865	26 664	42 800	1 415
31161	Animal slaughtering & processing	5	5	4	520	9 033	363	607	4 979	16 865	26 664	42 800	1 415
311615	Poultry processing	4	3	2	e	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	3	1	e	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	3	1	e	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	—	3	1	e	D	D	D	D	D	D	D	D
312111	Soft drink mfg	—	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	—	5	2	e	D	D	D	D	D	D	D	331
3149	Other textile product mills	—	4	2	e	D	D	D	D	D	D	D	D
31499	All other textile product mills	—	1	1	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	—	1	1	e	D	D	D	D	D	D	D	D
315	Apparel mfg	—	7	5	637	11 046	580	1 072	8 573	26 757	9 843	35 283	D
3152	Cut & sew apparel mfg	—	7	5	637	11 046	580	1 072	8 573	26 757	9 843	35 283	D
31521	Cut & sew apparel contractors	1	3	3	260	3 742	246	431	3 379	6 735	321	7 052	D
31522	Men's & boys' cut & sew apparel mfg	—	2	2	e	D	D	D	D	D	D	D	D
322	Paper mfg	—	9	5	355	8 837	291	519	6 252	24 269	49 249	73 438	1 411
3222	Converted paper product mfg	—	9	5	355	8 837	291	519	6 252	24 269	49 249	73 438	1 411
323	Printing & related support activities	4	21	3	331	7 890	257	390	5 504	16 599	10 070	27 077	730
3231	Printing & related support activities	4	21	3	331	7 890	257	390	5 504	16 599	10 070	27 077	730
32311	Printing	4	21	3	331	7 890	257	390	5 504	16 599	10 070	27 077	730
326	Plastics & rubber products mfg	1	7	5	484	13 108	362	655	8 535	30 688	26 755	58 471	2 280
3261	Plastics product mfg	1	6	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	5	3	e	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	1	5	3	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	44	24	5 119	177 643	4 140	8 594	135 092	394 278	205 776	599 827	50 002
3272	Glass & glass product mfg	—	35	20	4 927	169 743	3 998	8 302	130 903	377 947	194 721	572 584	49 262
32721	Glass & glass product mfg	—	35	20	4 927	169 743	3 998	8 302	130 903	377 947	194 721	572 584	49 262
327212	Other pressed & blown glass & glassware mfg	—	8	2	g	D	D	D	D	D	D	D	D
327213	Glass container mfg	—	3	3	g	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	1	24	15	1 644	51 663	1 234	2 392	33 532	111 784	80 835	191 746	D
333	Machinery mfg	7	14	6	1 050	30 910	653	1 308	15 878	52 436	44 014	94 482	2 810
3333	Commercial & service industry machinery mfg	9	2	2	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	9	2	2	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	9	2	2	f	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	PHILADELPHIA–WILMINGTON–ATLANTIC CITY, PA–NJ–DE–MD CMSA—Con. Vineland–Millville–Bridgeton, NJ PMSA—Con. Manufacturing—Con.												
336	Transportation equipment mfg	—	7	4	855	29 759	621	1 250	21 068	67 575	81 281	149 033	D
3364	Aerospace product & parts mfg	—	3	1	e	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	3	1	e	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg	—	1	1	e	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	3	3	e	D	D	D	D	D	D	D	D
33661	Ship & boat building	—	3	3	e	D	D	D	D	D	D	D	D
336612	Boat building	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	4	14	6	347	9 294	199	419	4 212	21 365	12 492	33 440	8 092

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 3. Industry Statistics for Counties: 1997

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ATLANTIC COUNTY, NJ Manufacturing	2	160	41	4 927	143 048	3 801	7 151	91 804	338 332	267 650	600 298	15 267
326	Plastics & rubber products mfg	—	11	4	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg	—	9	4	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	—	5	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	—	4	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	17	9	g	D	D	D	D	D	D	D	D
3271	Clay product & refractory mfg	—	2	2	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	—	2	2	f	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg ..	—	2	2	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BERGEN COUNTY, NJ													
31-33	Manufacturing	1	1 806	595	59 877	2 223 728	39 181	79 931	1 087 573	5 527 708	4 851 637	10 419 668	361 084
311	Food mfg	1	159	38	4 273	142 620	3 114	6 231	90 247	493 295	722 613	1 214 381	33 114
3115	Dairy product mfg	—	7	4	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg	—	7	4	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	1	108	16	2 012	63 901	1 536	2 914	44 644	159 999	124 513	283 456	14 486
31181	Bread & bakery product mfg	6	98	10	814	17 576	497	788	9 508	43 584	26 254	70 064	D
31182	Cookie, cracker, & pasta mfg	—	10	6	1 198	46 325	1 039	2 126	35 136	116 415	98 259	213 392	D
311821	Cookie & cracker mfg ..	—	5	3	f	D	D	D	D	D	D	D	D
3119	Other food mfg	—	19	10	f	D	D	D	D	D	D	D	D
313	Textile mills	3	93	27	2 355	78 981	1 666	3 563	39 964	164 393	144 736	308 256	12 587
3132	Fabric mills	1	57	12	f	D	D	D	D	D	D	D	D
31322	Narrow fabric mills & schiffli machine embroidery	—	43	5	f	D	D	D	D	D	D	D	D
3133	Textile & fabric finishing & fabric coating mills	5	32	12	1 221	42 397	911	1 971	23 789	83 294	71 812	155 155	6 874
31331	Textile & fabric finishing mills	6	26	7	913	33 962	700	1 585	19 207	63 926	51 548	115 731	5 181
314	Textile product mills	2	52	14	982	22 761	796	1 599	13 869	44 279	51 030	95 240	2 919
3141	Textile furnishings mills	—	17	6	511	12 155	412	858	6 764	16 326	27 968	44 293	1 697
31412	Curtain & linen mills	—	17	6	511	12 155	412	858	6 764	16 326	27 968	44 293	1 697
315	Apparel mfg	3	80	27	2 685	53 992	2 071	4 242	35 412	137 839	177 583	315 218	2 979
3152	Cut & sew apparel mfg	3	56	22	2 376	48 269	1 801	3 725	31 020	125 075	169 914	294 868	D
31521	Cut & sew apparel contractors	3	29	10	f	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	3	28	10	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	3	19	10	1 381	30 747	1 110	2 441	18 787	90 702	152 236	242 396	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	—	3	2	f	D	D	D	D	D	D	D	D
316	Leather & allied product mfg ..	—	13	8	g	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	—	9	4	f	D	D	D	D	D	D	D	D
31699	Other leather & allied product mfg	—	9	4	f	D	D	D	D	D	D	D	D
316992	Women's handbag & purse mfg	—	2	1	f	D	D	D	D	D	D	D	D
322	Paper mfg	1	44	28	3 717	145 169	2 770	5 538	90 919	422 927	385 782	804 421	32 085
3221	Pulp, paper, & paperboard mills	—	3	3	f	D	D	D	D	D	D	D	D
32212	Paper mills	—	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	1	41	25	h	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	2	23	14	1 805	64 321	1 385	2 594	42 023	139 871	138 444	278 837	8 993
322211	Corrugated & solid fiber box mfg	2	11	7	1 132	39 935	832	1 523	23 469	72 843	91 812	164 536	D
322212	Folding paperboard box mfg	2	10	6	f	D	D	D	D	D	D	D	D
32223	Stationery product mfg ..	—	5	4	f	D	D	D	D	D	D	D	992
323	Printing & related support activities	2	307	62	5 756	216 519	4 146	8 231	137 433	437 415	233 410	670 721	33 407
3231	Printing & related support activities	2	307	62	5 756	216 519	4 146	8 231	137 433	437 415	233 410	670 721	33 407
32311	Printing	2	249	41	3 651	136 570	2 465	4 641	79 317	280 458	196 053	476 500	26 668
323110	Commercial lithographic printing ..	1	127	22	1 815	76 990	1 145	2 205	43 510	147 518	114 502	262 220	9 534
323114	Quick printing	1	45	3	563	18 698	369	588	9 390	38 915	12 869	51 795	10 555
32312	Support activities for printing	5	58	21	2 105	79 949	1 681	3 590	58 116	156 957	37 357	194 221	6 739
323121	Tradebinding & related work	1	18	11	795	19 195	726	1 564	15 712	39 334	5 832	45 429	2 143
323122	Prepress services	6	40	10	1 310	60 754	955	2 026	42 404	117 623	31 525	148 792	4 596

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	BERGEN COUNTY, NJ —Con.												
31-33	Manufacturing— Con.												
325	Chemical mfg	2	127	73	6 593	256 418	3 649	7 449	109 743	949 414	826 681	1 778 349	77 301
3251	Basic chemical mfg	3	16	12	752	39 947	356	769	14 458	155 297	160 093	311 714	D
32519	Other basic organic chemical mfg	3	10	8	532	29 712	206	454	8 616	140 797	135 374	267 800	D
3254	Pharmaceutical & medicine mfg	2	18	9	1 034	42 584	608	1 238	21 057	127 993	85 704	213 610	12 741
32541	Pharmaceutical & medicine mfg	2	18	9	1 034	42 584	608	1 238	21 057	127 993	85 704	213 610	12 741
325412	Pharmaceutical preparation mfg	2	11	5	f	D	D	D	D	D	D	D	6 089
3255	Paint, coating, & adhesive mfg	2	23	8	f	D	D	D	D	D	D	D	8 385
3256	Soap, cleaning compound, & toilet preparation mfg ..	2	42	29	3 156	111 943	1 731	3 456	43 454	451 027	345 265	794 402	40 391
32561	Soap & cleaning compound mfg	3	13	9	698	27 118	394	857	12 059	117 537	114 641	235 087	11 497
32562	Toilet preparation mfg ...	2	29	20	2 458	84 825	1 337	2 599	31 395	333 490	230 624	559 315	28 894
325620	Toilet preparation mfg .	2	29	20	2 458	84 825	1 337	2 599	31 395	333 490	230 624	559 315	28 894
3259	Other chemical product mfg	3	26	15	g	D	D	D	D	D	D	D	D
32599	All other chemical product & preparation mfg	4	15	7	741	25 806	469	1 012	14 153	76 603	116 585	198 767	D
326	Plastics & rubber products mfg	3	67	42	3 759	115 574	2 692	5 459	73 059	262 352	291 930	551 465	17 704
3261	Plastics product mfg	3	57	36	3 256	98 725	2 330	4 740	63 208	229 856	262 788	490 001	16 058
32611	Unsupported plastics film, sheet, & bag mfg ..	3	18	12	1 343	36 684	809	1 737	21 612	84 472	130 489	213 206	D
326113	Unsupported plastics film & sheet (except packaging) mfg	4	12	7	1 001	26 720	544	1 136	14 876	57 298	100 061	155 501	D
32619	Other plastics product mfg	2	25	16	1 204	30 962	943	1 893	19 941	93 819	70 542	163 188	5 035
326199	All other plastics product mfg	2	25	16	1 204	30 962	943	1 893	19 941	93 819	70 542	163 188	5 035
3262	Rubber product mfg	2	10	6	503	16 849	362	719	9 851	32 496	29 142	61 464	1 646
327	Nonmetallic mineral product mfg	1	32	13	607	19 635	405	794	11 453	47 071	39 048	86 674	D
331	Primary metal mfg	2	12	7	631	21 302	493	1 049	12 949	57 487	51 177	108 495	D
332	Fabricated metal product mfg	2	225	66	4 841	173 475	3 330	6 878	94 734	312 720	300 585	633 379	20 393
3322	Cutlery & handtool mfg ...	7	9	5	f	D	D	D	D	D	D	D	2 418
33221	Cutlery & handtool mfg ..	7	9	5	f	D	D	D	D	D	D	D	2 418
332212	Hand & edge tool mfg .	8	8	4	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	2	39	13	803	26 726	568	1 173	16 104	55 655	38 861	94 364	2 543
33232	Ornamental & architectural metal products mfg	2	31	11	706	22 174	499	1 012	13 104	42 385	27 437	69 592	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	104	21	1 669	70 311	1 115	2 367	37 493	106 143	144 106	270 389	10 714
33271	Machine shops	1	86	14	1 205	53 350	768	1 669	26 734	75 676	129 574	225 503	8 362
332710	Machine shops	1	86	14	1 205	53 350	768	1 669	26 734	75 676	129 574	225 503	8 362
333	Machinery mfg	2	161	56	3 836	155 966	2 177	4 466	71 550	335 474	258 804	593 895	19 694
3332	Industrial machinery mfg ..	1	36	18	1 076	46 537	603	1 183	23 435	89 582	82 413	173 500	5 291
33329	Other industrial machinery mfg	1	32	17	g	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	4	30	13	865	31 932	416	865	11 395	90 769	61 322	145 099	4 942
33331	Commercial & service industry machinery mfg	4	30	13	865	31 932	416	865	11 395	90 769	61 322	145 099	4 942
3339	Other general-purpose machinery mfg	1	52	16	1 122	43 703	610	1 291	17 783	76 361	78 076	159 708	2 783
33399	All other general-purpose machinery mfg	1	40	13	728	26 944	379	767	10 332	45 988	36 128	84 569	1 612

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	BERGEN COUNTY, NJ —Con.												
31-33	Manufacturing— Con.												
334	Computer & electronic product mfg	1	95	42	5 559	281 373	2 371	5 118	76 558	530 667	466 274	1 034 720	26 781
3342	Communications equipment mfg	2	18	9	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	1	20	9	1 040	35 290	793	1 692	19 532	66 814	28 359	94 770	D
33441	Semiconductor & other electronic component mfg	1	20	9	1 040	35 290	793	1 692	19 532	66 814	28 359	94 770	D
334419	Other electronic component mfg	—	7	4	586	22 722	467	1 101	13 406	37 401	12 691	50 365	D
3345	Navigational, measuring, medical, & control instruments mfg	—	37	18	3 208	196 602	908	1 914	39 380	381 786	280 653	692 935	16 670
33451	Navigational, measuring, medical, & control instruments mfg	—	37	18	3 208	196 602	908	1 914	39 380	381 786	280 653	692 935	16 670
334510	Electromedical & electrotherapeutic apparatus mfg	—	4	3	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	—	8	4	g	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument mfg	—	5	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	—	43	21	2 199	63 254	1 494	3 210	34 099	152 628	96 931	250 104	4 863
3351	Electric lighting equipment mfg	—	14	8	768	24 030	519	1 156	12 959	83 240	40 834	123 384	1 304
33512	Lighting fixture mfg	—	14	8	768	24 030	519	1 156	12 959	83 240	40 834	123 384	1 304
3359	Other electrical equipment & component mfg	—	14	8	1 046	25 351	754	1 521	15 285	45 495	40 384	87 307	2 829
33591	Battery mfg	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	2	27	12	g	D	D	D	D	D	D	D	10 851
3363	Motor vehicle parts mfg	2	14	7	865	28 177	680	1 489	18 698	56 213	61 166	119 484	D
3364	Aerospace product & parts mfg	—	6	3	f	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	6	3	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	—	5	2	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	1	78	10	784	23 106	631	1 233	14 745	46 771	45 044	89 672	1 514
339	Miscellaneous mfg	—	166	45	7 818	350 901	4 785	9 313	121 762	876 907	452 168	1 321 484	52 880
3391	Medical equipment & supplies mfg	—	72	16	3 910	241 566	1 868	3 733	68 376	599 964	206 534	802 569	36 359
33911	Medical equipment & supplies mfg	—	72	16	3 910	241 566	1 868	3 733	68 376	599 964	206 534	802 569	36 359
339113	Surgical appliance & supplies mfg	—	12	7	3 028	206 210	1 377	2 738	54 236	523 498	158 863	681 448	33 009
3399	Other miscellaneous mfg	1	94	29	3 908	109 335	2 917	5 580	53 386	276 943	245 634	518 915	16 521
33991	Jewelry & silverware mfg	—	15	4	576	18 107	394	510	5 968	33 605	63 942	98 567	1 539
33993	Doll, toy, & game mfg	—	9	3	f	D	D	D	D	D	D	D	D
339932	Game, toy, & children's vehicle mfg	—	8	3	f	D	D	D	D	D	D	D	D
33995	Sign mfg	1	28	7	1 340	39 813	930	1 825	18 990	85 711	60 046	144 675	3 424
339950	Sign mfg	1	28	7	1 340	39 813	930	1 825	18 990	85 711	60 046	144 675	3 424
33999	All other miscellaneous mfg	—	23	8	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	BURLINGTON COUNTY, NJ												
31-33	Manufacturing	1	464	174	18 766	740 741	12 947	26 297	445 736	2 082 711	1 859 666	3 945 884	109 371
311	Food mfg	1	24	6	586	16 802	346	727	8 514	60 419	118 687	178 548	D
315	Apparel mfg	—	15	8	645	12 236	426	748	6 757	32 072	35 138	65 870	D
3152	Cut & sew apparel mfg	—	15	8	645	12 236	426	748	6 757	32 072	35 138	65 870	D
323	Printing & related support activities.....	4	69	22	1 932	69 001	1 390	2 910	46 006	147 351	135 403	284 623	D
3231	Printing & related support activities.....	4	69	22	1 932	69 001	1 390	2 910	46 006	147 351	135 403	284 623	D
32311	Printing	4	59	18	1 691	59 400	1 213	2 511	39 529	130 398	130 145	262 395	D
323110	Commercial lithographic printing ..	1	27	11	1 002	33 303	691	1 516	21 976	71 671	39 559	110 903	D
325	Chemical mfg	3	25	14	1 035	52 815	590	1 304	27 408	163 716	254 705	416 963	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	2	4	4	539	30 991	308	708	16 257	86 026	106 697	191 839	D
32521	Resin & synthetic rubber mfg	2	4	4	539	30 991	308	708	16 257	86 026	106 697	191 839	D
325211	Plastics material & resin mfg	2	4	4	539	30 991	308	708	16 257	86 026	106 697	191 839	D
326	Plastics & rubber products mfg	3	19	11	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	2	16	11	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	17	8	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	—	8	6	1 014	42 470	731	1 504	27 060	112 359	141 265	255 021	D
3315	Foundries	—	3	2	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries ..	—	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	95	34	1 993	72 993	1 432	2 923	42 871	147 854	88 767	237 716	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	49	10	584	19 508	454	919	13 434	38 498	13 385	51 539	D
333	Machinery mfg	4	42	14	1 586	64 737	728	1 463	24 834	119 535	154 218	265 996	D
3333	Commercial & service industry machinery mfg ..	—	4	3	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	—	4	3	f	D	D	D	D	D	D	D	D
333313	Office machinery mfg ..	—	1	1	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	6	15	7	636	29 628	337	734	14 392	82 787	109 909	185 561	4 210
33399	All other general-purpose machinery mfg	6	14	7	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	—	39	19	4 782	244 438	3 270	6 793	156 908	745 374	399 469	1 158 027	D
3342	Communications equipment mfg	—	8	6	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	3	3	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	3	3	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	—	15	7	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	—	15	7	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	—	8	4	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	—	8	4	h	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	—	2	2	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	3	8	6	602	11 829	466	573	7 642	37 497	50 291	87 487	1 491

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BURLINGTON COUNTY, NJ—Con.													
31-33	Manufacturing—Con.												
336	Transportation equipment mfg	3	14	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	6	1	f	D	D	D	D	D	D	D	D
33661	Ship & boat building	—	6	1	f	D	D	D	D	D	D	D	D
336611	Ship building & repairing	—	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	—	30	8	888	28 446	697	1 386	17 216	91 025	53 371	141 728	D
3399	Other miscellaneous mfg ..	—	21	5	653	21 203	511	1 029	12 030	63 281	45 310	106 654	2 525
CAMDEN COUNTY, NJ													
31-33	Manufacturing	1	677	205	21 055	729 468	14 193	28 037	392 334	1 916 712	1 712 645	3 617 589	112 880
311	Food mfg	—	64	25	2 518	65 600	1 646	3 300	37 675	314 636	272 368	585 529	12 177
3118	Bakeries & tortilla mfg	—	40	11	1 144	21 926	630	1 180	10 938	70 526	77 413	148 055	D
31181	Bread & bakery product mfg	1	34	7	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg	—	6	4	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg ..	—	3	2	f	D	D	D	D	D	D	D	D
322	Paper mfg	—	14	9	g	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	—	12	7	f	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	6	4	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	1	142	35	2 887	110 683	2 072	4 073	69 763	202 040	143 696	345 042	D
3231	Printing & related support activities	1	142	35	2 887	110 683	2 072	4 073	69 763	202 040	143 696	345 042	D
32311	Printing	1	114	27	2 250	82 904	1 612	3 037	52 977	149 674	132 076	281 576	D
323110	Commercial lithographic printing ..	1	62	22	1 792	69 215	1 305	2 476	44 466	124 185	114 004	237 920	D
32312	Support activities for printing	—	28	8	637	27 779	460	1 036	16 786	52 366	11 620	63 466	D
325	Chemical mfg	1	22	13	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	—	3	3	913	33 466	635	1 196	17 884	84 820	75 908	158 497	D
32541	Pharmaceutical & medicine mfg	—	3	3	913	33 466	635	1 196	17 884	84 820	75 908	158 497	D
325412	Pharmaceutical preparation mfg	—	3	3	913	33 466	635	1 196	17 884	84 820	75 908	158 497	D
326	Plastics & rubber products mfg	1	25	11	887	26 051	697	1 375	16 893	61 616	71 325	132 146	D
3261	Plastics product mfg	1	22	10	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	2	18	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	2	17	7	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	24	10	687	26 780	553	1 190	19 987	99 242	70 750	170 472	D
331	Primary metal mfg	—	5	2	f	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing ..	—	2	1	f	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing	—	2	1	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	117	32	2 199	75 491	1 549	3 069	44 804	167 258	124 383	286 014	D
3323	Architectural & structural metals mfg	—	30	10	669	27 297	433	941	14 140	52 616	36 505	86 442	D
33232	Ornamental & architectural metal products mfg	—	23	8	561	23 583	348	762	11 544	44 368	28 379	70 307	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	46	7	534	19 077	401	840	13 088	43 297	18 691	60 556	2 488
333	Machinery mfg	—	41	11	1 459	62 144	949	2 056	36 028	117 854	127 522	244 314	8 127
3332	Industrial machinery mfg ..	—	7	2	664	35 100	389	927	20 391	71 967	80 133	150 479	D
33329	Other industrial machinery mfg	—	6	2	f	D	D	D	D	D	D	D	D
333291	Paper industry machinery mfg	—	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
CAMDEN COUNTY, NJ													
—Con.													
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg	1	38	19	h	D	D	D	D	D	D	D	D
3341	Computer & peripheral equipment mfg	—	3	2	f	D	D	D	D	D	D	D	D
33411	Computer & peripheral equipment mfg	—	3	2	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	—	8	7	g	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	6	5	1 216	64 658	394	691	11 829	178 822	62 459	238 280	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	6	5	1 216	64 658	394	691	11 829	178 822	62 459	238 280	D
337	Furniture & related product mfg	5	27	7	596	20 585	448	1 020	12 892	35 598	29 211	64 430	1 375
339	Miscellaneous mfg	4	73	13	1 423	34 474	1 026	2 090	20 375	72 322	46 517	118 589	6 962
3391	Medical equipment & supplies mfg	6	41	8	906	18 883	635	1 195	10 463	43 931	21 399	64 900	5 013
33911	Medical equipment & supplies mfg	6	41	8	906	18 883	635	1 195	10 463	43 931	21 399	64 900	5 013
3399	Other miscellaneous mfg ..	1	32	5	517	15 591	391	895	9 912	28 391	25 118	53 689	1 949
CAPE MAY COUNTY, NJ													
31-33	Manufacturing	1	82	10	813	19 108	665	1 220	13 748	52 568	57 924	110 364	2 628
CUMBERLAND COUNTY, NJ													
31-33	Manufacturing	1	210	90	12 985	398 339	10 077	20 143	277 203	979 464	926 899	1 896 126	89 697
311	Food mfg	1	30	19	2 431	69 438	1 944	3 868	46 758	221 972	321 279	541 062	14 337
3114	Fruit & vegetable preserving & specialty food mfg	—	9	9	1 598	53 207	1 331	2 781	36 943	187 094	246 258	431 901	10 782
31141	Frozen food mfg	—	3	3	667	19 141	573	1 216	12 227	50 368	72 323	122 638	D
31142	Fruit & vegetable canning, pickling, & drying	—	6	6	931	34 066	758	1 565	24 716	136 726	173 935	309 263	D
311422	Specialty canning	—	3	3	f	D	D	D	D	D	D	D	D
3116	Meat product mfg	5	5	4	520	9 033	363	607	4 979	16 865	26 664	42 800	1 415
31161	Animal slaughtering & processing	5	5	4	520	9 033	363	607	4 979	16 865	26 664	42 800	1 415
315	Apparel mfg	—	7	5	637	11 046	580	1 072	8 573	26 757	9 843	35 283	D
3152	Cut & sew apparel mfg	—	7	5	637	11 046	580	1 072	8 573	26 757	9 843	35 283	D
327	Nonmetallic mineral product mfg	—	44	24	5 119	177 643	4 140	8 594	135 092	394 278	205 776	599 827	50 002
3272	Glass & glass product mfg .	—	35	20	4 927	169 743	3 998	8 302	130 903	377 947	194 721	572 584	49 262
32721	Glass & glass product mfg	—	35	20	4 927	169 743	3 998	8 302	130 903	377 947	194 721	572 584	49 262
327212	Other pressed & blown glass & glassware mfg	—	8	2	g	D	D	D	D	D	D	D	D
327213	Glass container mfg ..	—	3	3	g	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	1	24	15	1 644	51 663	1 234	2 392	33 532	111 784	80 835	191 746	D
333	Machinery mfg	7	14	6	1 050	30 910	653	1 308	15 878	52 436	44 014	94 482	2 810
3333	Commercial & service industry machinery mfg ..	9	2	2	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	9	2	2	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	9	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	7	4	855	29 759	621	1 250	21 068	67 575	81 281	149 033	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ESSEX COUNTY, NJ													
31-33	Manufacturing	1	1 206	405	35 578	1 359 883	23 210	46 639	654 973	5 014 013	3 520 106	8 416 358	325 693
311	Food mfg	3	98	30	2 600	78 016	1 747	3 464	43 724	219 244	328 956	546 328	12 553
3118	Bakeries & tortilla mfg	5	61	13	1 260	32 619	830	1 553	19 631	71 226	46 390	118 125	4 946
31181	Bread & bakery product mfg	1	56	10	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	17	6	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	3	1	g	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	3	1	g	D	D	D	D	D	D	D	D
31212	Breweries	—	1	1	g	D	D	D	D	D	D	D	D
312120	Breweries	—	1	1	g	D	D	D	D	D	D	D	D
313	Textile mills	3	16	6	558	17 961	454	955	12 210	29 188	35 739	64 271	D
314	Textile product mills	3	26	13	g	D	D	D	D	D	D	D	D
3149	Other textile product mills . .	3	16	8	f	D	D	D	D	D	D	D	D
31499	All other textile product mills	3	13	8	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills . .	3	11	8	f	D	D	D	D	D	D	D	D
315	Apparel mfg	4	69	31	1 861	32 936	1 607	3 332	25 485	58 289	30 719	86 830	D
3152	Cut & sew apparel mfg	5	51	26	g	D	D	D	D	D	D	D	D
31521	Cut & sew apparel contractors	7	32	18	g	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors . .	7	29	17	g	D	D	D	D	D	D	D	D
322	Paper mfg	1	41	20	1 818	66 501	1 253	2 809	36 514	152 036	155 744	308 189	D
3222	Converted paper product mfg	1	40	19	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	20	12	1 072	42 716	738	1 689	22 662	91 052	87 234	178 645	8 150
322211	Corrugated & solid fiber box mfg	—	11	5	719	32 044	465	1 114	16 632	65 436	74 888	140 375	D
32222	Paper bag & coated & treated paper mfg	—	11	5	574	18 459	382	838	9 877	43 918	59 995	103 835	D
323	Printing & related support activities	2	174	39	3 332	117 251	2 340	4 491	70 387	210 491	139 018	349 399	D
3231	Printing & related support activities	2	174	39	3 332	117 251	2 340	4 491	70 387	210 491	139 018	349 399	D
32311	Printing	2	154	34	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing . .	2	69	15	1 040	46 110	661	1 453	26 576	86 932	54 956	141 938	D
323116	Manifold business form printing	—	5	3	f	D	D	D	D	D	D	D	D
325	Chemical mfg	1	102	52	6 870	412 601	2 988	6 145	115 510	2 401 320	1 414 892	3 733 691	157 173
3251	Basic chemical mfg	2	27	17	1 302	58 844	693	1 456	28 293	217 222	238 252	464 306	D
32519	Other basic organic chemical mfg	3	15	9	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg	4	12	9	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	—	16	11	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	—	16	11	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	—	11	7	h	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	1	27	10	f	D	D	D	D	D	D	D	D
32551	Paint & coating mfg	1	17	8	575	26 789	368	803	14 279	90 656	143 411	232 707	7 009
325510	Paint & coating mfg	1	17	8	575	26 789	368	803	14 279	90 656	143 411	232 707	7 009
326	Plastics & rubber products mfg	4	53	19	1 567	44 197	1 140	2 281	23 196	106 752	97 874	204 358	8 075
3261	Plastics product mfg	4	43	17	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	3	28	10	905	18 743	651	1 233	10 045	42 703	26 448	68 661	2 725
326199	All other plastics product mfg	3	28	10	905	18 743	651	1 233	10 045	42 703	26 448	68 661	2 725
327	Nonmetallic mineral product mfg	1	20	9	549	20 368	407	820	13 264	80 736	55 449	132 342	D
331	Primary metal mfg	1	16	10	948	28 402	704	1 479	16 761	69 573	70 396	136 381	D
3314	Nonferrous metal (except aluminum) production & processing	1	6	3	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ESSEX COUNTY, NJ—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg	1	219	61	4 228	139 690	3 203	6 348	86 504	287 200	172 901	455 338	14 022
3321	Forging & stamping	—	24	9	506	18 466	380	795	11 316	38 892	27 810	65 904	D
33211	Forging & stamping	—	24	9	506	18 466	380	795	11 316	38 892	27 810	65 904	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	71	12	956	36 308	722	1 436	22 528	77 589	31 756	104 508	D
33271	Machine shops	1	59	10	780	31 202	588	1 177	19 636	56 127	23 731	80 123	3 244
332710	Machine shops	1	59	10	780	31 202	588	1 177	19 636	56 127	23 731	80 123	3 244
3328	Coating, engraving, heat treating, & allied activities ..	4	36	8	539	15 869	419	822	9 934	32 356	9 768	42 219	2 754
33281	Coating, engraving, heat treating, & allied activities	4	36	8	539	15 869	419	822	9 934	32 356	9 768	42 219	2 754
3329	Other fabricated metal product mfg	1	18	14	722	21 523	578	1 102	13 375	39 309	20 569	59 863	1 821
33299	All other fabricated metal product mfg	—	15	12	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	96	25	2 121	93 013	1 060	2 215	36 262	199 451	313 221	493 045	16 267
3332	Industrial machinery mfg ..	—	26	8	918	41 737	316	584	11 567	108 415	230 519	319 793	12 034
33329	Other industrial machinery mfg	—	24	7	f	D	D	D	D	D	D	D	D
333291	Paper industry machinery mfg	—	5	2	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	1	28	12	573	24 990	321	636	10 246	51 768	37 666	88 323	1 344
334	Computer & electronic product mfg	2	53	19	1 295	46 009	741	1 429	20 647	93 520	46 277	141 362	5 391
3344	Semiconductor & other electronic component mfg	—	17	10	618	17 229	393	758	8 768	33 349	13 890	47 805	D
33441	Semiconductor & other electronic component mfg	—	17	10	618	17 229	393	758	8 768	33 349	13 890	47 805	D
335	Electrical equipment, appliance, & component mfg	1	26	13	944	26 164	699	1 355	16 012	61 606	59 723	121 572	D
336	Transportation equipment mfg	1	20	6	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	6	59	20	1 504	45 176	1 132	2 352	27 752	92 463	70 595	160 314	D
3371	Household & institutional furniture & kitchen cabinet mfg	5	32	8	514	14 891	429	840	10 419	23 956	21 066	45 452	D
3372	Office furniture (including fixtures) mfg	6	19	9	796	24 934	570	1 151	14 061	60 717	37 101	94 433	D
33721	Office furniture (including fixtures) mfg	6	19	9	796	24 934	570	1 151	14 061	60 717	37 101	94 433	D
337215	Showcase, partition, shelving, & locker mfg	6	9	5	637	20 396	446	888	10 701	51 717	31 711	80 254	D
339	Miscellaneous mfg	—	100	27	2 444	72 859	1 498	2 901	34 302	203 388	158 639	364 838	11 875
3391	Medical equipment & supplies mfg	—	40	9	634	24 785	339	678	8 263	101 128	36 685	140 076	6 656
33911	Medical equipment & supplies mfg	—	40	9	634	24 785	339	678	8 263	101 128	36 685	140 076	6 656
3399	Other miscellaneous mfg ..	—	60	18	1 810	48 074	1 159	2 223	26 039	102 260	121 954	224 762	5 219
33991	Jewelry & silverware mfg	—	21	5	652	18 649	436	891	9 926	42 018	59 826	102 490	893
339911	Jewelry (except costume) mfg	—	16	4	f	D	D	D	D	D	D	D	D
33995	Sign mfg	2	21	8	501	10 220	375	620	5 540	20 012	12 805	32 763	D
339950	Sign mfg	2	21	8	501	10 220	375	620	5 540	20 012	12 805	32 763	D
33999	All other miscellaneous mfg	—	11	4	582	16 201	298	590	9 341	31 994	36 922	68 900	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
GLOUCESTER COUNTY, NJ													
31-33	Manufacturing	—	290	109	11 013	416 457	7 301	13 654	231 444	2 187 421	4 615 344	6 882 840	128 478
311	Food mfg	4	26	11	995	26 810	666	1 262	14 113	74 949	89 499	166 457	D
323	Printing & related support activities.....	6	53	12	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	6	53	12	g	D	D	D	D	D	D	D	D
32311	Printing	6	49	9	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	4	24	3	f	D	D	D	D	D	D	D	D
324	Petroleum & coal products mfg	—	6	5	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	—	6	5	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries	—	3	3	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	—	3	3	f	D	D	D	D	D	D	D	D
325	Chemical mfg	—	19	14	1 309	74 034	702	1 358	30 066	864 997	954 931	1 823 055	D
3251	Basic chemical mfg	—	7	6	617	41 923	322	648	14 798	745 114	812 484	1 565 686	25 762
326	Plastics & rubber products mfg	2	20	11	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	2	19	11	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	—	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	45	14	1 237	39 220	942	1 775	25 350	98 662	54 643	152 351	D
333	Machinery mfg	1	22	8	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	—	11	4	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media ..	—	1	1	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	—	1	1	f	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing.....	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	2	27	7	f	D	D	D	D	D	D	D	1 745
3399	Other miscellaneous mfg ..	2	16	5	f	D	D	D	D	D	D	D	D
HUDSON COUNTY, NJ													
31-33	Manufacturing	2	979	283	26 470	787 822	18 236	35 676	420 484	2 063 415	2 114 340	4 220 836	94 019
311	Food mfg	5	104	24	2 108	62 364	1 482	2 601	36 898	317 780	335 924	655 593	13 737
3118	Bakeries & tortilla mfg	—	71	12	1 213	32 751	864	1 380	20 436	115 760	74 490	190 086	5 490
31181	Bread & bakery product mfg	1	67	10	f	D	D	D	D	D	D	D	D
313	Textile mills	6	114	23	1 489	36 324	1 175	2 288	25 158	86 247	56 610	143 625	4 495
3132	Fabric mills	6	85	13	997	24 256	802	1 607	17 387	60 169	36 834	97 405	2 887
31322	Narrow fabric mills & schiffli machine embroidery	2	71	9	653	14 626	544	1 100	10 698	34 365	17 778	52 203	1 180
313222	Schiffli machine embroidery	2	65	7	f	D	D	D	D	D	D	D	D
314	Textile product mills.....	1	77	15	1 204	22 366	877	1 620	11 968	103 595	64 911	167 472	1 396
3149	Other textile product mills ..	1	66	11	755	15 832	555	1 009	8 974	50 894	27 443	78 471	891
31499	All other textile product mills	2	60	9	609	12 666	433	775	7 167	44 521	15 481	60 097	843
314999	All other miscellaneous textile product mills ..	2	60	9	609	12 666	433	775	7 167	44 521	15 481	60 097	843
315	Apparel mfg	1	257	89	9 413	258 315	5 873	11 212	111 756	473 450	519 120	1 034 936	8 416
3151	Apparel knitting mills	1	27	11	828	14 950	701	1 317	11 216	43 457	55 195	98 307	1 043
31519	Other apparel knitting mills	1	26	11	f	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills	1	25	11	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	HUDSON COUNTY, NJ —Con.												
31-33	Manufacturing— Con.												
315	Apparel mfg—Con.												
3152	Cut & sew apparel mfg	1	211	71	8 210	236 557	4 882	9 370	96 005	413 124	453 970	909 934	7 013
31521	Cut & sew apparel contractors	4	134	42	3 133	44 460	2 568	4 668	33 340	76 818	16 785	93 318	2 005
315212	Women's, girls', & infants' cut & sew apparel contractors . .	3	129	42	3 085	44 026	2 523	4 619	32 982	75 928	16 654	92 297	1 970
31523	Women's & girls' cut & sew apparel mfg	—	57	25	4 850	188 744	2 138	4 387	60 245	330 730	431 517	805 368	4 823
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	1	14	3	649	16 001	348	704	5 362	48 299	81 122	174 310	D
315239	Women's & girls' cut & sew other outerwear mfg	—	12	8	3 503	149 122	1 305	2 755	45 600	217 658	216 265	435 711	3 780
316	Leather & allied product mfg .	8	10	2	552	11 111	464	993	7 603	33 588	28 673	61 256	D
3162	Footwear mfg	8	2	2	f	D	D	D	D	D	D	D	D
31621	Footwear mfg	8	2	2	f	D	D	D	D	D	D	D	D
322	Paper mfg	2	21	17	1 402	46 977	1 055	2 198	30 277	90 493	88 142	178 053	3 654
3222	Converted paper product mfg	2	18	14	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	10	7	712	25 869	519	1 079	16 738	52 861	44 439	96 636	D
323	Printing & related support activities	3	70	17	2 187	88 818	1 703	3 512	58 331	205 899	118 674	324 643	12 941
3231	Printing & related support activities	3	70	17	2 187	88 818	1 703	3 512	58 331	205 899	118 674	324 643	12 941
32311	Printing	3	61	10	1 727	72 437	1 375	2 813	47 742	174 306	111 989	286 337	11 624
323110	Commercial lithographic printing . .	3	28	7	1 371	62 590	1 096	2 344	42 068	143 984	94 145	237 949	10 570
325	Chemical mfg	2	47	26	2 061	76 941	1 147	2 474	34 078	307 595	352 490	658 824	14 962
3256	Soap, cleaning compound, & toilet preparation mfg . .	5	16	8	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	2	29	10	891	23 952	735	1 677	17 746	43 897	61 947	105 771	5 079
3261	Plastics product mfg	2	23	10	f	D	D	D	D	D	D	D	5 005
32619	Other plastics product mfg	3	13	5	571	14 618	466	1 181	10 905	19 857	30 725	50 531	D
326199	All other plastics product mfg	3	13	5	571	14 618	466	1 181	10 905	19 857	30 725	50 531	D
331	Primary metal mfg	—	17	10	1 152	45 223	749	1 651	21 503	130 917	211 226	345 357	15 209
3314	Nonferrous metal (except aluminum) production & processing	—	10	6	812	33 504	500	1 132	15 106	93 568	181 542	278 215	D
332	Fabricated metal product mfg	1	60	13	1 007	26 377	799	1 343	17 564	51 726	43 258	94 594	2 122
339	Miscellaneous mfg	3	60	10	1 068	30 146	741	1 336	14 005	76 007	100 879	174 391	5 401
3399	Other miscellaneous mfg . .	3	37	9	969	27 676	667	1 231	12 800	70 062	97 940	165 423	5 206
	HUNTERDON COUNTY, NJ												
31-33	Manufacturing	1	175	49	5 064	194 827	3 434	7 242	110 415	562 796	542 440	1 104 440	35 674
311	Food mfg	—	14	6	1 354	54 655	1 044	2 245	38 434	252 382	265 849	518 116	17 009
3119	Other food mfg	—	3	3	f	D	D	D	D	D	D	D	D
31199	All other food mfg	—	1	1	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	2	30	9	713	27 187	473	1 030	15 954	57 955	53 692	110 820	4 583
	MERCER COUNTY, NJ												

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MERCER COUNTY, NJ —Con.												
31-33	Manufacturing	3	352	107	13 537	579 713	8 353	17 184	291 748	1 315 173	1 086 437	2 413 564	78 766
311	Food mfg	3	40	7	614	14 189	379	633	6 764	43 767	39 680	83 764	1 845
323	Printing & related support activities	5	70	16	1 266	47 377	943	1 774	28 304	97 801	65 797	163 672	5 474
3231	Printing & related support activities	5	70	16	1 266	47 377	943	1 774	28 304	97 801	65 797	163 672	5 474
32311	Printing	5	60	14	1 144	42 646	873	1 647	26 294	87 138	64 054	151 237	5 093
326	Plastics & rubber products mfg	4	25	12	1 342	43 041	1 061	2 189	29 638	176 061	96 604	273 582	10 194
3261	Plastics product mfg	5	15	8	1 049	34 999	841	1 761	25 168	160 212	81 997	243 367	9 417
32619	Other plastics product mfg	5	9	5	f	D	D	D	D	D	D	D	D
326192	Resilient floor covering mfg	5	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	11	7	615	19 592	467	940	14 181	46 738	16 373	63 407	D
3271	Clay product & refractory mfg	—	8	6	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg	—	7	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	43	12	1 399	68 135	1 051	2 811	51 940	105 573	172 211	280 150	3 729
3325	Hardware mfg	—	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware mfg	—	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware mfg	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	—	29	13	2 208	87 611	1 439	2 454	46 879	168 123	207 705	385 791	13 140
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	4	3	g	D	D	D	D	D	D	D	6 793
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	4	3	g	D	D	D	D	D	D	D	6 793
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	—	2	2	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
333611	Turbine & turbine generator set unit mfg	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	8	38	15	4 214	235 650	1 696	3 708	75 846	403 123	287 793	690 398	30 306
3342	Communications equipment mfg	9	6	2	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	9	4	2	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	9	4	2	h	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	2	14	5	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	2	14	5	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	2	16	7	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	2	16	7	f	D	D	D	D	D	D	D	D
	MIDDLESEX COUNTY, NJ												

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIDDLESEX COUNTY, NJ—Con.												
31-33	Manufacturing	1	977	384	49 983	1 950 583	34 434	70 647	1 123 596	6 290 463	7 309 830	13 687 980	539 017
311	Food mfg	—	71	22	2 679	88 443	2 064	4 120	59 654	433 660	355 751	793 278	35 240
3115	Dairy product mfg	—	5	3	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	—	45	9	1 243	36 050	1 038	2 085	29 059	222 531	82 866	309 954	D
31182	Cookie, cracker, & pasta mfg	—	2	2	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	—	2	2	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	2	2	f	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	2	2	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	—	2	2	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	—	2	2	f	D	D	D	D	D	D	D	D
315	Apparel mfg	1	21	10	1 899	49 120	1 462	3 217	25 799	96 876	113 838	203 691	D
3152	Cut & sew apparel mfg	2	13	7	1 795	46 796	1 400	3 099	24 354	89 155	108 713	190 877	D
31522	Men's & boys' cut & sew apparel mfg	2	4	3	1 363	31 500	1 064	2 456	19 648	68 367	74 635	138 129	D
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	3	2	2	g	D	D	D	D	D	D	D	D
322	Paper mfg	1	37	27	2 968	117 251	2 228	4 752	76 152	275 924	342 643	624 018	23 808
3221	Pulp, paper, & paperboard mills	—	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	—	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	1	36	26	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	2	19	16	g	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg	2	12	10	f	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	—	9	6	f	D	D	D	D	D	D	D	D
322222	Coated & laminated paper mfg	—	7	5	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	5	143	24	2 999	134 883	2 103	4 238	96 487	301 524	195 866	496 152	16 611
3231	Printing & related support activities	5	143	24	2 999	134 883	2 103	4 238	96 487	301 524	195 866	496 152	16 611
32311	Printing	5	121	22	2 816	129 740	1 953	3 961	92 938	290 532	193 618	483 038	D
323110	Commercial lithographic printing ..	5	52	16	2 276	115 763	1 577	3 277	84 299	256 447	170 751	426 539	D
324	Petroleum & coal products mfg	2	11	7	f	D	D	D	D	D	D	D	11 022
3241	Petroleum & coal products mfg	2	11	7	f	D	D	D	D	D	D	D	11 022
325	Chemical mfg	2	119	79	11 529	535 465	6 138	12 443	234 420	2 345 585	1 679 204	4 060 873	171 136
3251	Basic chemical mfg	—	30	20	2 019	103 615	1 255	2 741	58 288	422 594	353 673	773 422	D
32519	Other basic organic chemical mfg	—	15	12	g	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg	—	14	12	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	1	21	17	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	1	21	17	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	1	15	13	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	5	30	23	i	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg	4	12	7	f	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg	4	9	4	f	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	5	18	16	4 451	211 518	1 884	3 809	58 337	746 221	592 060	1 378 827	D
325620	Toilet preparation mfg ..	5	18	16	4 451	211 518	1 884	3 809	58 337	746 221	592 060	1 378 827	D
3259	Other chemical product mfg	1	19	11	899	44 444	556	1 166	24 063	299 449	140 932	443 924	18 045
32599	All other chemical product & preparation mfg	1	17	9	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MIDDLESEX COUNTY, NJ—Con.												
	Manufacturing—Con.												
326	Plastics & rubber products mfg	1	72	51	6 898	187 411	5 651	11 965	124 759	445 881	407 531	852 844	44 865
3261	Plastics product mfg	2	69	49	i	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	1	11	8	694	15 317	514	934	9 954	47 672	67 620	116 617	5 963
32616	Plastics bottle mfg	3	7	7	g	D	D	D	D	D	D	D	D
326160	Plastics bottle mfg	3	7	7	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	37	25	h	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	1	37	25	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	19	8	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	1	16	11	2 075	98 568	1 519	3 474	66 803	202 336	474 391	725 607	D
3311	Iron & steel mills & ferroalloy mfg	—	2	2	f	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	—	2	2	f	D	D	D	D	D	D	D	D
331111	Iron & steel mills	—	2	2	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing	4	6	5	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	4	4	4	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding	4	4	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	139	38	3 748	136 211	2 729	5 751	86 221	292 446	487 611	775 526	13 150
3323	Architectural & structural metals mfg	—	35	10	1 312	44 515	964	2 168	27 922	105 647	233 052	329 164	3 355
33232	Ornamental & architectural metal products mfg	—	24	8	920	31 857	703	1 695	21 589	77 549	163 465	229 821	D
332322	Sheet metal work mfg ..	—	14	5	f	D	D	D	D	D	D	D	D
3324	Boiler, tank, & shipping container mfg	—	7	6	f	D	D	D	D	D	D	D	D
33243	Metal can, box, & other metal container (light gauge) mfg	—	5	5	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	58	8	504	14 842	363	692	9 626	28 445	9 686	38 284	1 273
333	Machinery mfg	1	57	14	1 859	65 768	1 475	3 066	45 524	196 745	209 019	406 346	10 425
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	5	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	—	5	2	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refig equip mfg	—	2	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	2	60	30	2 940	110 842	1 774	3 252	49 625	214 961	259 574	475 909	D
3342	Communications equipment mfg	—	4	3	791	18 300	599	996	11 250	34 387	46 856	82 294	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	2	21	13	934	35 958	612	1 241	17 163	77 398	99 215	177 791	D
33441	Semiconductor & other electronic component mfg	2	21	13	934	35 958	612	1 241	17 163	77 398	99 215	177 791	D
3345	Navigational, measuring, medical, & control instruments mfg	1	22	11	1 041	49 170	483	842	17 917	86 109	70 109	154 814	D
33451	Navigational, measuring, medical, & control instruments mfg	1	22	11	1 041	49 170	483	842	17 917	86 109	70 109	154 814	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MIDDLESEX COUNTY, NJ—Con.												
	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg	-	24	13	1 271	48 306	966	1 559	33 022	136 154	76 660	211 502	4 164
3359	Other electrical equipment & component mfg	-	7	6	820	33 757	678	1 049	25 593	111 355	59 809	170 671	D
336	Transportation equipment mfg	-	15	3	g	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	1	44	14	f	D	D	D	D	D	D	D	2 434
339	Miscellaneous mfg	-	83	22	3 069	115 140	1 889	3 600	49 006	304 924	148 171	453 063	24 994
3391	Medical equipment & supplies mfg	-	33	10	1 730	69 236	1 021	1 945	29 928	163 297	81 644	244 353	D
33911	Medical equipment & supplies mfg	-	33	10	1 730	69 236	1 021	1 945	29 928	163 297	81 644	244 353	D
339112	Surgical & medical instrument mfg	-	4	3	f	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg	-	8	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	-	50	12	1 339	45 904	868	1 655	19 078	141 627	66 527	208 710	D
	MONMOUTH COUNTY, NJ												
31-33	Manufacturing	2	587	128	12 820	402 706	8 814	17 234	218 764	1 136 837	1 183 844	2 318 283	66 286
311	Food mfg	-	60	7	935	25 277	696	1 205	17 171	88 040	105 762	193 088	D
323	Printing & related support activities	4	89	8	977	30 154	698	1 209	17 876	61 709	35 844	97 317	3 439
3231	Printing & related support activities	4	89	8	977	30 154	698	1 209	17 876	61 709	35 844	97 317	3 439
32311	Printing	4	82	6	f	D	D	D	D	D	D	D	D
325	Chemical mfg	1	30	15	1 935	54 732	1 531	3 427	33 396	315 254	452 707	759 628	16 695
3254	Pharmaceutical & medicine mfg	2	5	3	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	2	5	3	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	2	3	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	26	9	1 155	35 906	877	1 833	24 725	91 000	71 232	162 405	5 061
3261	Plastics product mfg	2	20	6	f	D	D	D	D	D	D	D	3 150
332	Fabricated metal product mfg	1	72	7	708	23 258	523	1 048	14 255	55 286	38 626	93 623	2 266
333	Machinery mfg	2	38	12	1 255	40 588	659	1 435	18 686	70 737	59 550	131 240	3 692
334	Computer & electronic product mfg	2	52	26	2 812	102 844	1 663	3 110	41 697	242 811	209 881	454 783	19 879
3342	Communications equipment mfg	-	14	7	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	6	5	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	6	5	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	4	16	11	1 163	41 831	786	1 506	19 765	88 690	67 708	156 553	D
33441	Semiconductor & other electronic component mfg	4	16	11	1 163	41 831	786	1 506	19 765	88 690	67 708	156 553	D
3345	Navigational, measuring, medical, & control instruments mfg	2	18	8	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	2	18	8	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	3	62	7	518	16 150	369	662	7 438	37 205	25 789	62 629	1 238

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MORRIS COUNTY, NJ													
31-33	Manufacturing	1	749	217	24 461	979 607	15 757	33 543	490 325	4 780 533	2 783 519	7 531 474	203 250
311	Food mfg	1	49	8	f	D	D	D	D	D	D	D	3 285
322	Paper mfg	4	11	8	1 064	28 150	829	1 532	19 513	68 689	101 933	170 400	D
3222	Converted paper product mfg	4	11	8	1 064	28 150	829	1 532	19 513	68 689	101 933	170 400	D
32221	Paperboard container mfg	4	3	3	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	4	109	25	2 202	95 501	1 601	3 265	53 816	177 825	113 055	289 485	23 546
3231	Printing & related support activities	4	109	25	2 202	95 501	1 601	3 265	53 816	177 825	113 055	289 485	23 546
32311	Printing	4	95	21	g	D	D	D	D	D	D	D	23 102
323110	Commercial lithographic printing ..	5	46	13	1 310	63 517	925	1 987	33 382	111 014	87 100	196 903	21 658
325	Chemical mfg	1	43	16	3 071	158 608	1 628	3 176	64 047	2 712 423	1 035 474	3 715 674	86 045
3254	Pharmaceutical & medicine mfg	-	14	7	1 591	85 157	872	1 900	36 254	2 060 682	662 501	2 707 348	D
32541	Pharmaceutical & medicine mfg	-	14	7	1 591	85 157	872	1 900	36 254	2 060 682	662 501	2 707 348	D
325412	Pharmaceutical preparation mfg	-	10	5	g	D	D	D	D	D	D	D	63 985
3256	Soap, cleaning compound, & toilet preparation mfg ..	2	9	4	g	D	D	D	D	D	D	D	11 204
32562	Toilet preparation mfg	3	4	3	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg	3	4	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	41	28	2 203	72 624	1 617	3 225	41 401	169 793	141 252	311 464	12 377
3261	Plastics product mfg	1	38	26	2 084	68 920	1 517	3 032	39 047	162 652	135 431	298 246	D
32619	Other plastics product mfg	1	21	16	1 476	43 457	1 088	2 083	26 291	89 782	67 117	158 295	6 657
326199	All other plastics product mfg	1	21	16	1 476	43 457	1 088	2 083	26 291	89 782	67 117	158 295	6 657
327	Nonmetallic mineral product mfg	5	32	9	620	21 753	425	990	11 916	41 180	42 218	83 497	4 068
331	Primary metal mfg	-	5	2	g	D	D	D	D	D	D	D	D
3315	Foundries	-	3	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries ..	-	2	1	f	D	D	D	D	D	D	D	D
331512	Steel investment foundries	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	136	31	4 407	179 863	2 674	7 136	89 902	413 815	238 778	656 968	27 590
3321	Forging & stamping	-	9	5	610	25 315	461	885	15 573	46 381	37 592	81 923	3 162
33211	Forging & stamping	-	9	5	610	25 315	461	885	15 573	46 381	37 592	81 923	3 162
332116	Metal stamping	-	8	4	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	14	5	512	18 276	375	871	10 567	53 289	24 109	75 615	3 410
33232	Ornamental & architectural metal products mfg	-	11	5	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	82	9	857	33 837	477	2 451	17 006	70 207	33 972	102 701	3 821
33271	Machine shops	2	62	4	559	20 660	315	602	10 696	36 300	13 072	48 738	2 569
332710	Machine shops	2	62	4	559	20 660	315	602	10 696	36 300	13 072	48 738	2 569
3329	Other fabricated metal product mfg	-	17	8	1 794	80 035	931	1 938	34 062	197 595	119 390	326 907	6 579
33291	Metal valve mfg	-	8	6	1 642	73 328	827	1 696	29 783	174 406	89 275	273 652	6 153
332911	Industrial valve mfg	-	7	6	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	71	16	1 475	59 328	922	2 016	30 382	140 146	96 345	234 493	5 397
334	Computer & electronic product mfg	-	87	35	4 008	165 458	2 417	4 937	73 109	453 733	242 213	691 788	18 868
3342	Communications equipment mfg	-	15	9	1 362	57 046	672	1 407	18 373	129 331	96 945	231 600	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	7	7	816	33 144	453	969	12 955	42 621	50 232	97 044	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	7	7	816	33 144	453	969	12 955	42 621	50 232	97 044	D
3344	Semiconductor & other electronic component mfg	-	34	15	1 665	62 925	1 283	2 609	38 052	196 008	90 734	276 413	5 457
33441	Semiconductor & other electronic component mfg	-	34	15	1 665	62 925	1 283	2 609	38 052	196 008	90 734	276 413	5 457
334419	Other electronic component mfg	-	16	9	1 158	44 922	936	1 850	29 874	160 827	73 980	224 660	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MORRIS COUNTY, NJ—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3345	Navigational, measuring, medical, & control instruments mfg	—	27	10	920	43 630	432	865	15 812	123 760	48 156	172 792	6 324
33451	Navigational, measuring, medical, & control instruments mfg	—	27	10	920	43 630	432	865	15 812	123 760	48 156	172 792	6 324
335	Electrical equipment, appliance, & component mfg	1	22	11	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	10	5	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	—	34	6	778	21 554	621	1 144	15 021	29 737	49 474	78 711	D
339	Miscellaneous mfg	1	69	12	1 297	43 366	867	1 556	20 060	108 736	73 076	182 995	5 143
3391	Medical equipment & supplies mfg	2	34	7	965	32 187	678	1 182	15 409	67 705	35 625	103 685	D
33911	Medical equipment & supplies mfg	2	34	7	965	32 187	678	1 182	15 409	67 705	35 625	103 685	D
339111	Laboratory apparatus & furniture mfg	—	2	2	f	D	D	D	D	D	D	D	D
	OCEAN COUNTY, NJ												
31-33	Manufacturing	2	309	70	7 174	201 053	5 384	10 211	119 792	510 857	435 118	939 795	31 870
325	Chemical mfg	1	11	5	2 033	44 922	1 703	3 264	29 637	128 360	94 886	220 884	9 376
3254	Pharmaceutical & medicine mfg	—	3	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	—	3	1	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	—	3	1	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg	—	2	2	g	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg	—	2	2	g	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg	—	2	2	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	4	14	8	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	4	9	5	f	D	D	D	D	D	D	D	D
333	Machinery mfg	2	22	9	739	25 867	473	954	12 158	67 596	43 800	111 166	2 657
	PASSAIC COUNTY, NJ												
31-33	Manufacturing	1	1 059	369	34 589	1 237 642	24 529	48 360	668 913	3 764 924	2 666 433	6 464 231	202 330
311	Food mfg	3	85	20	2 251	83 463	1 380	2 984	37 489	283 536	248 068	531 996	12 085
3116	Meat product mfg	5	8	5	528	18 384	441	1 023	10 790	62 082	78 258	140 382	2 276
31161	Animal slaughtering & processing	5	8	5	528	18 384	441	1 023	10 790	62 082	78 258	140 382	2 276
3118	Bakeries & tortilla mfg	1	61	12	1 320	46 345	748	1 621	21 146	166 306	98 605	265 121	6 781
31181	Bread & bakery product mfg	—	53	8	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	12	6	747	27 580	413	875	13 940	111 608	43 679	155 290	D
313	Textile mills	3	72	31	2 940	110 531	2 341	5 312	73 758	279 203	203 427	478 473	12 831
3132	Fabric mills	3	26	8	f	D	D	D	D	D	D	D	D
3133	Textile & fabric finishing & fabric coating mills	3	45	23	2 083	86 067	1 643	3 845	57 660	228 841	163 143	387 747	9 749
31331	Textile & fabric finishing mills	5	37	20	1 699	70 588	1 321	3 114	47 325	169 902	120 516	289 448	7 864
313311	Broadwoven fabric finishing mills	5	30	15	1 417	60 471	1 110	2 640	41 072	153 123	107 743	259 833	D
314	Textile product mills	2	23	9	558	12 804	477	990	8 473	33 867	34 409	68 556	916
315	Apparel mfg	2	61	31	2 213	40 483	1 971	3 628	28 628	74 403	53 159	127 849	D
3152	Cut & sew apparel mfg	1	45	25	1 868	32 121	1 680	3 149	22 798	59 216	41 796	101 388	D
31521	Cut & sew apparel contractors	5	24	15	g	D	D	D	D	D	D	D	D
315212	Women's, girls' & infants' cut & sew apparel contractors	6	22	13	g	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	—	16	10	509	12 141	417	775	5 966	30 676	35 612	66 622	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	PASSAIC COUNTY, NJ —Con.												
	Manufacturing—Con.												
322	Paper mfg	1	28	15	1 523	57 976	1 166	2 510	31 744	101 915	120 346	222 268	9 911
3222	Converted paper product mfg	1	27	14	g	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	—	8	5	542	24 559	434	992	11 475	49 547	66 337	115 861	D
323	Printing & related support activities.....	4	113	26	2 229	78 736	1 681	3 392	47 395	166 394	118 281	283 172	14 248
3231	Printing & related support activities.....	4	113	26	2 229	78 736	1 681	3 392	47 395	166 394	118 281	283 172	14 248
32311	Printing	4	89	21	1 865	68 087	1 400	2 887	41 132	143 071	113 289	255 406	13 247
323110	Commercial lithographic printing ..	5	50	10	946	45 806	667	1 378	26 875	96 204	87 367	182 568	11 605
323113	Commercial screen printing.....	—	11	6	571	12 521	458	967	7 676	19 582	12 683	32 573	501
325	Chemical mfg	—	75	38	3 516	153 778	2 289	4 750	78 594	1 293 667	709 295	2 011 341	42 665
3251	Basic chemical mfg	—	13	7	875	40 026	612	1 215	23 609	105 563	147 093	262 503	D
3254	Pharmaceutical & medicine mfg	—	15	6	700	34 393	426	877	16 119	741 488	291 820	1 027 399	14 412
32541	Pharmaceutical & medicine mfg	—	15	6	700	34 393	426	877	16 119	741 488	291 820	1 027 399	14 412
325412	Pharmaceutical preparation mfg	—	11	5	f	D	D	D	D	D	D	D	13 532
3256	Soap, cleaning compound, & toilet preparation mfg ..	1	22	12	1 273	53 047	946	2 030	30 056	382 351	196 852	583 743	16 007
32561	Soap & cleaning compound mfg	3	14	6	621	31 154	421	1 133	16 663	190 361	145 753	333 887	10 558
32562	Toilet preparation mfg ...	—	8	6	652	21 893	525	897	13 393	191 990	51 099	249 856	5 449
325620	Toilet preparation mfg ..	—	8	6	652	21 893	525	897	13 393	191 990	51 099	249 856	5 449
326	Plastics & rubber products mfg	3	65	36	3 144	88 858	2 282	4 440	48 213	260 352	272 207	535 158	18 652
3261	Plastics product mfg	3	58	32	2 963	82 499	2 142	4 119	44 370	245 318	262 945	510 837	18 087
32611	Unsupported plastics film, sheet, & bag mfg ..	5	17	9	663	20 992	512	963	12 702	53 888	86 019	139 612	D
32619	Other plastics product mfg	2	28	19	2 006	52 882	1 423	2 767	27 318	173 235	162 798	338 465	13 102
326199	All other plastics product mfg	2	27	18	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	190	55	3 865	132 852	2 875	5 713	81 387	268 116	208 424	480 774	11 834
3323	Architectural & structural metals mfg	—	47	14	924	31 466	653	1 171	17 243	61 780	68 569	130 177	1 880
33232	Ornamental & architectural metal products mfg.....	—	39	12	813	27 694	577	1 024	15 002	53 646	58 854	112 284	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	71	11	807	29 925	630	1 299	20 450	54 684	32 098	87 487	2 853
33271	Machine shops.....	1	61	9	664	25 525	511	1 061	17 416	47 322	28 869	76 862	2 633
332710	Machine shops.....	1	61	9	664	25 525	511	1 061	17 416	47 322	28 869	76 862	2 633
3329	Other fabricated metal product mfg	—	23	8	956	36 093	648	1 461	21 094	83 922	71 821	160 073	4 864
33299	All other fabricated metal product mfg	—	17	6	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	14	4	f	D	D	D	D	D	D	D	D
333	Machinery mfg	2	85	25	1 526	60 869	950	1 912	29 598	113 970	104 052	219 144	5 133
3332	Industrial machinery mfg ..	1	28	9	532	20 656	321	633	9 529	36 970	35 305	73 534	2 747
33329	Other industrial machinery mfg	1	25	9	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	1	25	9	519	21 558	314	610	10 015	35 327	34 894	70 421	740
334	Computer & electronic product mfg	—	47	26	6 043	274 187	3 569	6 159	120 329	535 249	304 172	862 020	48 542
3342	Communications equipment mfg	—	6	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	—	23	15	1 688	51 347	1 207	2 165	25 285	147 543	138 163	286 934	D
33441	Semiconductor & other electronic component mfg	—	23	15	1 688	51 347	1 207	2 165	25 285	147 543	138 163	286 934	D
334419	Other electronic component mfg	—	5	4	709	23 535	518	905	11 125	93 172	107 192	199 704	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	PASSAIC COUNTY, NJ—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3345	Navigational, measuring, medical, & control instruments mfg	-	17	9	3 820	184 644	1 928	2 996	64 791	334 471	142 107	468 598	13 436
33451	Navigational, measuring, medical, & control instruments mfg	-	17	9	3 820	184 644	1 928	2 996	64 791	334 471	142 107	468 598	13 436
334511	Search, detection, navigation, & guidance instrument mfg	-	6	4	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	2	29	10	926	27 523	725	1 485	18 980	93 674	76 560	170 619	4 086
337	Furniture & related product mfg	4	53	10	777	20 712	607	993	14 529	44 978	38 279	83 742	3 430
3371	Household & institutional furniture & kitchen cabinet mfg	2	39	8	560	14 538	433	686	11 361	28 331	25 200	53 715	1 409
339	Miscellaneous mfg	1	67	19	1 811	51 612	1 294	2 165	24 018	120 498	63 936	183 034	4 950
3391	Medical equipment & supplies mfg	-	28	5	861	28 874	568	789	10 630	68 938	32 485	101 331	3 173
33911	Medical equipment & supplies mfg	-	28	5	861	28 874	568	789	10 630	68 938	32 485	101 331	3 173
339113	Surgical appliance & supplies mfg	-	7	4	732	24 730	495	663	8 912	60 734	28 261	88 723	2 854
3399	Other miscellaneous mfg ..	2	39	14	950	22 738	726	1 376	13 388	51 560	31 451	81 703	1 777
	SALEM COUNTY, NJ												
31-33	Manufacturing	-	48	14	4 188	207 486	2 475	4 820	108 235	604 305	531 332	1 156 239	50 244
325	Chemical mfg	-	10	6	g	D	D	D	D	D	D	D	38 781
3251	Basic chemical mfg	-	2	1	g	D	D	D	D	D	D	D	D
32512	Industrial gas mfg	-	2	1	g	D	D	D	D	D	D	D	D
325120	Industrial gas mfg	-	2	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	3	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	2	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
326192	Resilient floor covering mfg	-	1	1	f	D	D	D	D	D	D	D	D
	SOMERSET COUNTY, NJ												
31-33	Manufacturing	-	376	134	16 289	856 698	8 173	16 450	285 493	3 139 330	2 045 683	5 148 393	255 143
325	Chemical mfg	-	45	31	6 697	439 613	2 308	4 383	96 668	2 163 028	1 341 201	3 484 516	130 483
3254	Pharmaceutical & medicine mfg	-	13	10	4 436	346 866	1 044	1 867	53 670	1 607 246	823 153	2 421 804	D
32541	Pharmaceutical & medicine mfg	-	13	10	4 436	346 866	1 044	1 867	53 670	1 607 246	823 153	2 421 804	D
325412	Pharmaceutical preparation mfg	-	9	7	h	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg	-	2	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	7	6	g	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ..	-	4	4	744	25 795	448	700	11 970	67 932	111 812	172 180	D
325620	Toilet preparation mfg ..	-	4	4	744	25 795	448	700	11 970	67 932	111 812	172 180	D
326	Plastics & rubber products mfg	1	19	14	1 036	34 768	866	1 723	23 730	99 854	68 139	167 621	5 398
3261	Plastics product mfg	1	18	13	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	2	71	19	1 762	66 467	1 173	2 444	35 509	131 065	103 469	233 531	9 827
3327	Machine shops, turned product, & screw, nut, & bolt mfg	6	33	7	742	31 127	478	1 038	17 037	60 644	31 346	91 854	6 304
333	Machinery mfg	4	33	14	985	44 346	556	1 307	21 365	94 819	75 222	171 070	5 316
334	Computer & electronic product mfg	2	26	12	1 416	70 164	802	1 620	29 868	186 497	116 239	286 318	D
3344	Semiconductor & other electronic component mfg	3	8	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	3	8	3	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	SOMERSET COUNTY, NJ—Con.												
	Manufacturing—Con.												
339	Miscellaneous mfg.....	—	31	4	1 442	92 173	475	1 055	16 822	179 926	109 661	293 968	D
3391	Medical equipment & supplies mfg.....	—	22	3	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	—	22	3	g	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg.....	—	3	1	g	D	D	D	D	D	D	D	D
	SUSSEX COUNTY, NJ												
31-33	Manufacturing	3	146	29	2 854	87 171	1 956	3 638	45 587	194 707	127 017	320 844	16 774
315	Apparel mfg.....	9	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	—	12	6	726	27 569	443	963	13 096	46 157	39 861	85 649	6 010
3262	Rubber product mfg.....	—	4	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg.....	—	4	2	f	D	D	D	D	D	D	D	D
	UNION COUNTY, NJ												
31-33	Manufacturing	1	996	353	40 157	1 619 705	28 056	59 261	888 941	6 438 336	7 587 490	13 883 335	298 250
311	Food mfg.....	3	81	18	2 964	106 525	2 036	4 269	63 981	262 266	575 420	838 686	16 776
3115	Dairy product mfg.....	9	4	2	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg.....	9	3	2	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg.....	9	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	1	52	6	1 004	29 159	741	1 424	20 465	102 174	55 373	158 758	3 768
31182	Cookie, cracker, & pasta mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg..	—	1	1	f	D	D	D	D	D	D	D	D
3119	Other food mfg.....	—	11	5	f	D	D	D	D	D	D	D	D
31199	All other food mfg.....	—	7	2	f	D	D	D	D	D	D	D	D
315	Apparel mfg.....	4	28	15	1 044	21 972	784	1 470	14 785	40 455	46 481	87 591	D
3152	Cut & sew apparel mfg....	5	23	12	804	17 237	567	1 113	11 290	33 126	30 759	64 502	D
322	Paper mfg.....	—	15	10	1 210	38 123	980	2 174	26 674	98 805	120 266	217 130	D
3222	Converted paper product mfg.....	—	13	8	g	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	3	129	31	3 199	113 934	2 137	4 346	64 443	225 474	157 731	385 746	13 650
3231	Printing & related support activities.....	3	129	31	3 199	113 934	2 137	4 346	64 443	225 474	157 731	385 746	13 650
32311	Printing.....	3	111	25	2 691	98 424	1 814	3 644	55 612	199 174	151 420	351 848	12 274
323110	Commercial lithographic printing..	4	59	13	1 606	60 757	1 080	2 240	35 326	115 881	88 102	205 711	9 704
32312	Support activities for printing.....	2	18	6	508	15 510	323	702	8 831	26 300	6 311	33 898	1 376
324	Petroleum & coal products mfg.....	—	4	3	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg.....	—	4	3	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries....	—	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries..	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	—	61	31	8 048	456 520	4 461	9 993	171 157	2 850 672	1 446 201	4 435 442	115 197
3251	Basic chemical mfg.....	—	14	6	1 121	69 792	579	1 355	27 625	274 589	360 600	639 898	20 820
32519	Other basic organic chemical mfg.....	—	6	3	f	D	D	D	D	D	D	D	11 361
325199	All other basic organic chemical mfg.....	—	6	3	f	D	D	D	D	D	D	D	11 361
3254	Pharmaceutical & medicine mfg.....	—	10	8	i	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	—	10	8	i	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg.....	—	3	1	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg.....	—	7	7	h	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg..	1	11	4	988	31 224	694	1 144	18 506	417 239	140 087	579 597	D
32562	Toilet preparation mfg....	1	3	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg..	1	3	2	f	D	D	D	D	D	D	D	D
3259	Other chemical product mfg.....	1	17	7	529	19 615	329	625	8 901	57 766	71 090	130 651	3 509

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	UNION COUNTY, NJ—Con.												
	Manufacturing—Con.												
326	Plastics & rubber products mfg	3	82	48	3 943	111 892	3 181	6 525	69 065	238 132	247 514	480 978	23 631
3261	Plastics product mfg	3	76	46	3 717	103 409	2 990	6 037	62 815	220 374	227 182	442 963	23 093
32611	Unsupported plastics film, sheet, & bag mfg . .	4	13	8	678	23 688	520	1 013	14 124	52 252	71 712	123 051	D
326113	Unsupported plastics film & sheet (except packaging) mfg	4	9	5	558	21 292	424	872	12 325	46 304	63 005	108 666	3 493
32619	Other plastics product mfg	2	44	27	2 505	62 654	2 096	4 277	38 794	135 695	108 934	240 975	14 595
326199	All other plastics product mfg	2	41	27	g	D	D	D	D	D	D	D	D
331	Primary metal mfg	1	17	9	678	20 798	498	1 009	11 827	83 184	75 587	159 910	8 624
332	Fabricated metal product mfg	—	212	67	5 338	205 829	3 900	8 504	120 068	419 116	213 325	628 050	20 940
3321	Forging & stamping	—	21	8	783	31 150	604	1 327	18 994	51 460	23 930	74 345	3 103
33211	Forging & stamping	—	21	8	783	31 150	604	1 327	18 994	51 460	23 930	74 345	3 103
332116	Metal stamping	—	21	8	783	31 150	604	1 327	18 994	51 460	23 930	74 345	3 103
3323	Architectural & structural metals mfg	—	36	15	1 165	38 053	911	2 096	25 321	82 565	54 817	135 055	4 483
33232	Ornamental & architectural metal products mfg	—	26	12	1 034	32 325	810	1 856	21 311	72 905	44 465	115 115	D
332322	Sheet metal work mfg	—	18	10	914	27 875	726	1 663	18 946	64 740	35 870	98 253	3 966
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	87	19	1 387	57 265	1 066	2 256	38 256	105 026	46 148	151 005	6 167
33271	Machine shops	2	66	8	572	22 834	435	912	15 248	42 307	13 782	55 311	1 732
332710	Machine shops	2	66	8	572	22 834	435	912	15 248	42 307	13 782	55 311	1 732
33272	Turned product & screw, nut, & bolt mfg	—	21	11	815	34 431	631	1 344	23 008	62 719	32 366	95 694	4 435
3328	Coating, engraving, heat treating, & allied activities .	1	27	11	626	24 297	444	924	11 455	51 171	33 266	84 075	D
33281	Coating, engraving, heat treating, & allied activities	1	27	11	626	24 297	444	924	11 455	51 171	33 266	84 075	D
332813	Electroplating, plating, polishing, anodizing, & coloring	—	21	8	506	20 069	350	700	8 681	42 500	26 821	69 026	D
3329	Other fabricated metal product mfg	—	23	5	583	22 825	295	638	9 135	47 534	31 046	78 577	1 022
333	Machinery mfg	1	113	37	3 448	146 167	2 278	4 938	77 945	281 154	192 321	475 320	15 168
3335	Metalworking machinery mfg	1	60	15	1 218	48 256	913	2 053	31 206	77 535	36 095	112 096	5 075
33351	Metalworking machinery mfg	1	60	15	1 218	48 256	913	2 053	31 206	77 535	36 095	112 096	5 075
333514	Special die & tool, die set, jig, & fixture mfg . .	1	25	6	593	20 621	465	1 029	13 168	32 906	14 953	47 511	1 836
3339	Other general-purpose machinery mfg	—	23	12	1 368	62 510	780	1 662	27 222	118 655	91 875	205 965	5 444
33392	Material handling equipment mfg	—	5	3	640	25 289	335	725	12 795	58 933	41 738	98 734	D
33399	All other general-purpose machinery mfg	1	15	7	f	D	D	D	D	D	D	D	4 545
334	Computer & electronic product mfg	4	30	11	907	25 841	577	1 104	12 257	57 805	29 334	86 884	D
3344	Semiconductor & other electronic component mfg	4	14	6	594	17 378	398	772	8 069	38 389	16 860	54 864	D
33441	Semiconductor & other electronic component mfg	4	14	6	594	17 378	398	772	8 069	38 389	16 860	54 864	D
335	Electrical equipment, appliance, & component mfg	1	26	14	1 206	39 137	931	1 863	25 009	108 035	87 495	195 854	D
3359	Other electrical equipment & component mfg	1	8	6	556	20 377	450	911	14 478	52 646	36 191	89 888	D
336	Transportation equipment mfg	—	7	2	g	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	—	2	1	g	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	—	2	1	g	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	—	2	1	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	49	17	1 374	40 942	1 086	2 138	27 601	85 113	79 233	167 768	D
3372	Office furniture (including fixtures) mfg	5	20	8	545	16 630	391	771	10 566	22 904	20 984	46 017	D
33721	Office furniture (including fixtures) mfg	5	20	8	545	16 630	391	771	10 566	22 904	20 984	46 017	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	UNION COUNTY, NJ—Con.												
31-33	Manufacturing—Con.												
339	Miscellaneous mfg	1	77	21	1 740	52 129	1 208	2 232	27 883	141 553	106 958	247 651	D
3391	Medical equipment & supplies mfg	2	29	6	517	20 186	300	569	9 537	61 721	23 034	85 115	4 092
33911	Medical equipment & supplies mfg	2	29	6	517	20 186	300	569	9 537	61 721	23 034	85 115	4 092
3399	Other miscellaneous mfg . .	1	48	15	1 223	31 943	908	1 663	18 346	79 832	83 924	162 536	D
	WARREN COUNTY, NJ												
31-33	Manufacturing	1	164	62	7 188	294 412	4 864	10 121	185 004	1 201 086	799 785	1 982 259	97 240
311	Food mfg	—	10	3	f	D	D	D	D	D	D	D	184
3113	Sugar & confectionery product mfg	—	2	1	f	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate	—	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate	—	1	1	f	D	D	D	D	D	D	D	D
322	Paper mfg	—	6	5	597	24 790	451	1 016	17 063	63 285	98 401	162 432	D
325	Chemical mfg	3	8	7	1 439	72 233	695	1 644	46 369	458 931	211 725	667 226	58 814
3254	Pharmaceutical & medicine mfg	9	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	9	2	2	f	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg	9	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	—	9	6	906	33 386	779	1 666	27 320	75 663	54 633	127 836	14 563
3261	Plastics product mfg	—	9	6	906	33 386	779	1 666	27 320	75 663	54 633	127 836	14 563
32619	Other plastics product mfg	—	4	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	—	3	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	—	15	5	868	38 098	470	920	16 782	65 132	72 748	140 174	2 924
3339	Other general-purpose machinery mfg	—	3	3	694	31 493	356	688	12 750	53 332	64 623	120 254	D
33391	Pump & compressor mfg	—	1	1	f	D	D	D	D	D	D	D	D
333911	Pump & pumping equipment mfg	—	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	—	7	5	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg . .	—	4	3	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	—	4	3	f	D	D	D	D	D	D	D	D
335313	Switchgear & switchboard apparatus mfg	—	2	2	f	D	D	D	D	D	D	D	D

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees, h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 4. Industry Statistics for Places: 1997

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ALLEDALE, NJ													
31-33	Manufacturing	-	7	5	792	50 904	291	614	10 056	124 317	81 477	197 418	D
339	Miscellaneous mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
BAYONNE, NJ													
31-33	Manufacturing	4	52	19	1 747	60 601	1 038	2 190	28 349	243 949	263 513	556 130	10 329
325	Chemical mfg.....	1	7	5	523	23 879	300	723	11 622	66 339	71 466	138 675	5 614
BELLEVILLE TOWNSHIP, NJ													
31-33	Manufacturing	-	70	13	1 369	51 224	1 013	2 060	32 830	219 662	160 994	375 373	23 109
BELLMAWR, NJ													
31-33	Manufacturing	-	25	8	797	23 064	650	1 283	16 313	51 277	54 962	106 277	3 882
BELVIDERE, NJ													
31-33	Manufacturing	4	13	5	1 091	56 214	533	1 337	36 885	382 665	116 339	496 002	60 131
325	Chemical mfg.....	5	2	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	9	1	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	9	1	1	f	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg.....	9	1	1	f	D	D	D	D	D	D	D	D
BERKELEY HEIGHTS TOWNSHIP, NJ													
31-33	Manufacturing	2	20	7	646	27 405	478	1 091	17 884	55 216	35 500	91 057	9 459
BLOOMFIELD TOWNSHIP, NJ													
31-33	Manufacturing	6	60	17	1 479	38 021	1 062	2 223	24 254	163 327	68 443	230 919	5 477
BOONTON, NJ													
31-33	Manufacturing	1	28	9	600	21 200	384	813	9 563	46 589	30 552	77 274	5 756
BORDENTOWN, NJ													
31-33	Manufacturing	-	9	5	834	34 828	652	1 499	22 985	191 199	173 005	369 659	D
BRANCBURG TOWNSHIP, NJ													
31-33	Manufacturing	-	44	22	1 778	66 497	1 171	2 191	33 871	225 495	145 969	371 179	11 878
BRIDGETON, NJ													
31-33	Manufacturing	2	27	8	801	19 417	591	1 086	12 135	53 070	73 591	127 044	D
BRIDGEWATER TOWNSHIP, NJ													
31-33	Manufacturing	-	28	12	2 532	150 981	1 064	2 188	49 837	609 867	287 285	904 788	39 132
325	Chemical mfg.....	-	3	3	f	D	D	D	D	D	D	D	1 066
339	Miscellaneous mfg.....	-	4	1	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg.....	-	3	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	-	3	1	g	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg.....	-	2	1	g	D	D	D	D	D	D	D	D
BUENA, NJ													
31-33	Manufacturing	1	10	7	739	23 969	530	935	14 364	61 502	52 632	113 847	3 270

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BURLINGTON, NJ													
31-33	Manufacturing	1	23	9	1 439	54 825	904	2 049	33 728	181 828	254 540	430 255	D
BURLINGTON TOWNSHIP, NJ													
31-33	Manufacturing	5	25	20	1 067	40 160	730	1 628	22 470	112 060	198 974	312 941	6 816
CAMDEN, NJ													
31-33	Manufacturing	1	81	27	2 757	117 580	1 533	3 067	46 424	340 536	222 114	557 803	14 689
332	Fabricated metal product mfg	-	21	9	578	21 954	393	772	12 217	44 237	50 700	93 791	1 538
334	Computer & electronic product mfg	-	7	4	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	4	3	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	4	3	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	4	3	f	D	D	D	D	D	D	D	D
CARLSTADT, NJ													
31-33	Manufacturing	2	105	57	5 635	196 091	4 093	8 564	122 344	451 732	391 323	845 266	20 098
315	Apparel mfg	-	5	2	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	4	2	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	-	2	1	f	D	D	D	D	D	D	D	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	-	1	1	f	D	D	D	D	D	D	D	D
316	Leather & allied product mfg .	2	2	2	f	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	-	1	1	f	D	D	D	D	D	D	D	D
31699	Other leather & allied product mfg	-	1	1	f	D	D	D	D	D	D	D	D
316992	Women's handbag & purse mfg	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	3	19	11	1 523	71 241	1 125	2 345	48 358	144 501	50 967	195 602	3 976
3231	Printing & related support activities	3	19	11	1 523	71 241	1 125	2 345	48 358	144 501	50 967	195 602	3 976
32312	Support activities for printing	6	6	6	1 058	45 916	808	1 776	34 100	94 133	20 544	114 520	2 566
323122	Prepress services	6	5	5	f	D	D	D	D	D	D	D	D
CARTERET, NJ													
31-33	Manufacturing	-	25	11	1 153	44 773	900	1 729	31 644	105 815	85 284	252 377	11 075
CEDAR GROVE TOWNSHIP, NJ													
31-33	Manufacturing	1	31	12	850	30 547	495	1 061	13 827	65 357	37 643	103 813	2 021
CHERRY HILL TOWNSHIP, NJ													
31-33	Manufacturing	1	94	27	3 924	157 253	2 530	5 057	81 609	468 629	339 625	794 712	22 461
325	Chemical mfg	-	6	4	963	32 994	644	1 208	16 696	87 618	84 952	170 095	D
3254	Pharmaceutical & medicine mfg	-	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	7	3	882	42 409	549	1 284	24 935	82 371	94 443	176 672	4 433
3332	Industrial machinery mfg ..	-	3	2	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D
333291	Paper industry machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	8	5	586	26 128	331	544	9 725	168 152	66 395	226 238	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
CINNAMINSON TOWNSHIP, NJ													
31-33	Manufacturing	-	54	17	1 175	42 942	853	1 705	25 680	130 734	86 247	208 713	3 783
CITY OF ORANGE TOWNSHIP, NJ													
31-33	Manufacturing	2	40	9	544	17 935	375	756	10 617	35 818	23 859	59 441	739
CLARK TOWNSHIP, NJ													
31-33	Manufacturing	-	22	6	867	34 456	590	1 079	19 988	419 331	149 683	591 896	14 917
325	Chemical mfg	-	3	2	f	D	D	D	D	D	D	D	D
CLIFTON, NJ													
31-33	Manufacturing	2	211	88	9 631	374 891	6 761	13 604	205 480	932 625	827 735	1 780 508	79 270
313	Textile mills	5	14	8	920	33 209	713	1 518	20 815	110 069	94 097	202 348	5 281
3133	Textile & fabric finishing & fabric coating mills	6	8	5	581	25 813	404	917	14 868	91 908	78 212	168 525	4 380
322	Paper mfg	-	9	6	804	33 356	612	1 368	17 900	51 254	44 625	95 357	2 940
3222	Converted paper product mfg	-	8	5	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	6	35	11	871	39 327	634	1 293	22 812	87 092	81 993	168 251	8 380
3231	Printing & related support activities.....	6	35	11	871	39 327	634	1 293	22 812	87 092	81 993	168 251	8 380
32311	Printing	6	28	9	804	36 384	586	1 195	20 864	81 301	80 555	161 028	8 029
323110	Commercial lithographic printing ..	7	16	5	576	30 602	410	854	17 463	63 550	71 649	134 181	7 407
325	Chemical mfg	-	17	9	1 053	48 616	746	1 790	28 014	214 943	187 649	407 787	10 372
3251	Basic chemical mfg	-	4	4	624	29 235	440	875	16 462	67 694	108 410	184 534	7 222
326	Plastics & rubber products mfg	5	12	9	863	26 882	644	1 337	15 203	68 518	70 839	139 489	6 554
3261	Plastics product mfg	5	11	8	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	37	15	971	34 808	735	1 471	23 206	70 068	39 769	108 563	1 376
334	Computer & electronic product mfg	-	11	7	2 321	105 726	1 349	2 269	46 697	189 116	171 391	377 367	D
3344	Semiconductor & other electronic component mfg	-	5	4	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	5	4	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	-	3	3	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	2	2	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	2	2	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	1	1	g	D	D	D	D	D	D	D	D
CRANFORD TOWNSHIP, NJ													
31-33	Manufacturing	2	39	14	1 530	49 757	976	2 131	26 412	104 462	68 224	171 745	7 627
323	Printing & related support activities.....	-	6	3	501	18 693	277	595	9 545	39 513	21 940	61 023	1 474
3231	Printing & related support activities.....	-	6	3	501	18 693	277	595	9 545	39 513	21 940	61 023	1 474
CRESSKILL, NJ													
31-33	Manufacturing	2	5	3	557	20 341	295	693	8 590	27 754	21 147	48 081	2 060
DENVILLE TOWNSHIP, NJ													
31-33	Manufacturing	4	41	9	630	20 568	443	737	10 823	41 463	26 214	66 193	3 414

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DEPTFORD TOWNSHIP, NJ												
	Manufacturing	4	32	11	664	19 974	534	1 019	12 770	43 727	27 910	70 968	1 671
31-33	DOVER, NJ (MORRIS COUNTY)												
	Manufacturing	1	32	6	516	19 854	339	597	9 952	61 647	87 188	144 409	2 029
31-33	DOVER, NJ (OCEAN COUNTY)												
	Manufacturing	1	60	8	653	18 461	408	904	10 707	53 097	29 987	81 637	4 343
31-33	EAST BRUNSWICK TOWNSHIP, NJ												
	Manufacturing	2	44	16	1 085	32 448	723	1 273	19 788	70 733	71 806	142 264	5 252
31-33	EAST HANOVER TOWNSHIP, NJ												
	Manufacturing	-	64	12	1 751	75 046	1 169	2 342	40 702	1 584 232	702 117	2 285 838	45 820
325	Chemical mfg	-	8	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	2	2	f	D	D	D	D	D	D	D	D
31-33	EAST RUTHERFORD, NJ												
	Manufacturing	1	55	22	2 553	95 199	1 820	3 730	50 736	241 888	203 275	446 897	11 230
325	Chemical mfg	-	9	7	511	20 450	290	580	7 744	74 769	52 093	126 194	2 230
326	Plastics & rubber products mfg	1	4	4	593	16 842	520	995	11 202	41 152	47 602	89 190	2 056
31-33	EAST WINDSOR TOWNSHIP, NJ												
	Manufacturing	8	13	3	h	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	9	2	1	h	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	9	1	1	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	9	1	1	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	9	1	1	h	D	D	D	D	D	D	D	D
31-33	EATONTOWN, NJ												
	Manufacturing	2	32	17	1 656	61 841	922	1 978	27 390	154 367	111 182	269 351	10 508
334	Computer & electronic product mfg	4	9	9	593	25 322	346	697	9 563	64 015	35 588	99 307	4 948

Table 4. Industry Statistics for Places: 1997—Con.

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
EDISON TOWNSHIP, NJ													
31-33	Manufacturing	1	136	62	9 446	431 270	6 978	14 270	284 559	1 317 847	2 000 531	3 300 539	168 315
323	Printing & related support activities	8	24	5	1 204	86 152	997	1 936	67 491	163 373	117 957	281 289	5 592
3231	Printing & related support activities	8	24	5	1 204	86 152	997	1 936	67 491	163 373	117 957	281 289	5 592
323110	Printing	8	22	5	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	8	12	4	1 077	81 911	905	1 748	64 630	152 342	108 475	261 196	5 029
325	Chemical mfg	3	16	12	1 404	64 245	881	1 851	34 539	272 238	302 224	565 948	29 629
332	Fabricated metal product mfg	—	8	5	589	21 708	435	881	13 027	49 599	73 253	126 297	3 044
333	Machinery mfg	—	8	4	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	1	1	f	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	1	14	7	750	31 988	402	812	12 620	71 927	77 279	149 732	5 419
336	Transportation equipment mfg	—	2	1	g	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	—	1	1	g	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	—	1	1	g	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	—	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	—	12	5	924	38 401	474	974	14 148	114 674	42 542	153 292	3 503
3391	Medical equipment & supplies mfg	—	6	2	f	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	—	6	2	f	D	D	D	D	D	D	D	D
ELIZABETH, NJ													
31-33	Manufacturing	1	129	46	5 983	191 038	4 646	10 477	123 096	544 705	601 752	1 143 577	41 609
311	Food mfg	—	22	5	1 264	41 142	1 071	2 329	31 817	146 630	288 724	436 546	6 601
3118	Bakeries & tortilla mfg	—	15	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg	—	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	—	1	1	f	D	D	D	D	D	D	D	D
3119	Other food mfg	—	4	3	f	D	D	D	D	D	D	D	D
325	Chemical mfg	4	12	6	1 601	55 399	1 106	3 108	32 492	171 005	93 659	263 133	20 102
3254	Pharmaceutical & medicine mfg	5	2	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	5	2	2	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	5	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	24	8	698	23 972	539	1 128	15 412	62 869	27 091	90 451	2 601
ELMWOOD PARK, NJ													
31-33	Manufacturing	—	40	24	2 226	79 392	1 490	3 029	39 266	292 430	205 836	491 738	21 858
322	Paper mfg	—	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	—	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	—	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	f	D	D	D	D	D	D	D	D
ENGLEWOOD, NJ													
31-33	Manufacturing	1	83	34	2 143	78 781	1 566	3 161	45 129	181 081	243 836	425 649	9 908
339	Miscellaneous mfg	2	19	9	542	15 705	372	645	7 580	35 241	45 416	80 428	1 300

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
EWING TOWNSHIP, NJ													
31-33	Manufacturing	-	65	20	1 965	88 657	1 461	3 514	63 652	161 663	219 174	380 908	9 352
332	Fabricated metal product mfg	-	11	4	f	D	D	D	D	D	D	D	1 332
3325	Hardware mfg	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware mfg	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware mfg	-	1	1	f	D	D	D	D	D	D	D	D
FAIR LAWN, NJ													
31-33	Manufacturing	2	62	30	3 146	116 397	2 319	4 441	70 048	346 422	244 923	589 280	32 918
311	Food mfg	-	8	5	1 203	48 028	995	1 988	35 015	146 328	104 486	249 446	D
3118	Bakeries & tortilla mfg	-	7	4	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg	-	3	3	g	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	-	2	2	f	D	D	D	D	D	D	D	D
FAIRVIEW, NJ													
31-33	Manufacturing	1	74	13	986	23 125	724	1 403	14 073	49 056	52 091	102 024	1 960
FLEMINGTON, NJ													
31-33	Manufacturing	-	31	15	1 846	72 401	1 368	2 914	48 042	297 403	250 447	546 262	19 973
311	Food mfg	-	7	4	g	D	D	D	D	D	D	D	D
3119	Other food mfg	-	3	3	f	D	D	D	D	D	D	D	D
31199	All other food mfg	-	1	1	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg	-	1	1	f	D	D	D	D	D	D	D	D
FLORHAM PARK, NJ													
31-33	Manufacturing	-	11	7	2 058	95 698	1 060	2 110	39 140	215 127	109 522	332 662	7 055
332	Fabricated metal product mfg	-	2	2	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg	-	2	2	g	D	D	D	D	D	D	D	D
33291	Metal valve mfg	-	2	2	g	D	D	D	D	D	D	D	D
332911	Industrial valve mfg	-	2	2	g	D	D	D	D	D	D	D	D
FRANKLIN, NJ													
31-33	Manufacturing	8	16	3	f	D	D	D	D	D	D	D	1 031
315	Apparel mfg	9	2	2	f	D	D	D	D	D	D	D	D
FRANKLIN TOWNSHIP, NJ (SOMERSET COUNTY)													
31-33	Manufacturing	2	86	45	3 874	157 238	2 188	4 476	71 352	368 354	446 869	804 799	31 567
325	Chemical mfg	-	16	9	1 166	43 753	605	1 024	17 665	123 850	236 391	351 452	15 351
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	4	3	f	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg	-	2	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	5	13	8	765	34 038	461	1 025	17 068	63 894	44 828	108 370	7 413
FREEHOLD TOWNSHIP, NJ													
31-33	Manufacturing	2	26	8	1 593	37 160	1 371	3 128	27 191	143 750	203 331	344 342	10 488
325	Chemical mfg	4	4	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	1	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	1	1	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	1	1	f	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
GALLOWAY TOWNSHIP, NJ													
31-33	Manufacturing	-	6	2	f	D	D	D	D	D	D	D	2 833
327	Nonmetallic mineral product mfg	-	1	1	f	D	D	D	D	D	D	D	D
3271	Clay product & refractory mfg	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
GARFIELD, NJ													
31-33	Manufacturing	1	105	33	3 293	90 754	2 627	5 153	58 368	293 514	232 580	521 372	24 121
339	Miscellaneous mfg	-	11	3	952	17 414	886	1 867	12 851	85 619	70 015	151 096	D
3399	Other miscellaneous mfg ..	-	10	3	f	D	D	D	D	D	D	D	D
33993	Doll, toy, & game mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
339932	Game, toy, & children's vehicle mfg	-	1	1	f	D	D	D	D	D	D	D	D
GARWOOD, NJ													
31-33	Manufacturing	-	22	13	976	30 301	783	1 543	18 774	71 218	55 632	123 972	4 333
GLASSBORO, NJ													
31-33	Manufacturing	5	17	5	616	18 278	297	556	9 242	30 582	38 661	68 716	1 521
GLOUCESTER TOWNSHIP, NJ													
31-33	Manufacturing	2	46	13	1 528	40 073	1 162	2 423	23 989	95 649	84 057	180 691	3 865
HACKENSACK, NJ													
31-33	Manufacturing	1	140	27	2 551	85 193	1 842	3 765	45 963	191 180	205 300	391 677	10 831
HACKETTSTOWN, NJ													
31-33	Manufacturing	-	27	8	1 248	58 865	962	2 100	39 352	374 955	228 702	593 392	3 919
311	Food mfg	-	1	1	f	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg	-	1	1	f	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate ...	-	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate	-	1	1	f	D	D	D	D	D	D	D	D
HAMBURG, NJ													
31-33	Manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
HAMILTON TOWNSHIP, NJ (ATLANTIC COUNTY)													
31-33	Manufacturing	4	12	5	591	21 290	370	751	11 591	46 810	50 188	96 733	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HAMILTON TOWNSHIP, NJ (MERCER COUNTY)													
31-33	Manufacturing	2	88	26	3 106	107 691	2 209	4 187	65 027	338 838	246 940	596 275	15 451
326	Plastics & rubber products mfg	5	9	5	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	6	6	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	5	4	3	f	D	D	D	D	D	D	D	D
326192	Resilient floor covering mfg	5	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	10	5	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	1	1	f	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	-	1	1	f	D	D	D	D	D	D	D	D
HAMMONTON, NJ													
31-33	Manufacturing	-	21	7	1 054	25 989	877	1 667	15 917	51 443	46 371	98 197	2 378
326	Plastics & rubber products mfg	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
HANOVER TOWNSHIP, NJ													
31-33	Manufacturing	-	35	14	1 695	70 140	964	3 504	32 632	385 300	128 243	506 746	13 014
334	Computer & electronic product mfg	-	6	4	891	35 674	441	929	12 726	110 825	65 350	177 383	3 024
3342	Communications equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
HARRISON, NJ													
31-33	Manufacturing	3	22	11	1 030	27 737	781	1 746	16 794	66 306	48 798	114 344	3 418
HAWTHORNE, NJ													
31-33	Manufacturing	1	85	24	1 606	53 851	1 166	2 361	30 931	118 832	125 328	244 166	13 634
HILLSBOROUGH TOWNSHIP, NJ													
31-33	Manufacturing	-	60	14	1 089	38 400	855	1 896	27 117	363 691	167 318	527 772	8 698
HILLSIDE TOWNSHIP, NJ													
31-33	Manufacturing	3	66	28	2 276	75 019	1 705	3 561	41 676	173 078	183 168	354 517	15 737
326	Plastics & rubber products mfg	7	7	4	700	15 598	547	1 141	10 304	30 945	30 650	61 179	4 687
3261	Plastics product mfg	7	7	4	700	15 598	547	1 141	10 304	30 945	30 650	61 179	4 687
32619	Other plastics product mfg	9	2	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	9	2	1	f	D	D	D	D	D	D	D	D
HOBOKEN, NJ													
31-33	Manufacturing	-	69	24	1 655	47 507	1 252	2 317	25 816	120 572	189 313	310 999	3 302
315	Apparel mfg	-	23	11	737	14 508	580	1 029	8 013	50 118	60 125	110 154	415
3152	Cut & sew apparel mfg	-	20	11	703	13 573	552	973	7 293	48 084	58 695	106 711	D
HOWELL TOWNSHIP, NJ													
31-33	Manufacturing	2	53	14	1 297	38 017	763	1 363	15 728	73 223	115 537	188 615	4 131

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IRVINGTON TOWNSHIP, NJ													
31-33	Manufacturing	2	61	25	1 428	40 090	1 073	2 171	24 233	94 478	76 791	166 475	5 179
JERSEY CITY, NJ													
31-33	Manufacturing	1	190	70	5 770	179 752	4 276	8 321	110 228	534 551	508 581	1 039 183	30 625
311	Food mfg	-	25	5	724	26 741	538	932	17 384	105 042	73 892	177 712	5 447
3118	Bakeries & tortilla mfg	-	19	3	647	23 865	487	825	15 808	95 666	60 646	156 028	4 625
315	Apparel mfg	1	40	18	1 079	25 452	915	1 856	18 721	89 654	112 786	200 479	999
3152	Cut & sew apparel mfg	2	30	13	837	20 727	706	1 382	14 957	70 814	93 852	162 857	841
322	Paper mfg	-	11	9	696	22 680	500	1 038	14 998	40 360	35 392	76 406	D
3222	Converted paper product mfg	-	8	6	f	D	D	D	D	D	D	D	618
323	Printing & related support activities	1	25	5	728	24 965	581	1 138	18 068	53 413	21 047	74 401	3 201
3231	Printing & related support activities	1	25	5	728	24 965	581	1 138	18 068	53 413	21 047	74 401	3 201
331	Primary metal mfg	-	4	3	f	D	D	D	D	D	D	D	D
KEARNY, NJ													
31-33	Manufacturing	-	69	27	2 068	62 707	1 485	2 861	35 651	180 388	180 057	361 915	5 663
KENILWORTH, NJ													
31-33	Manufacturing	-	87	30	4 606	244 382	2 691	5 506	87 776	1 340 647	385 023	1 796 979	18 797
325	Chemical mfg	-	4	1	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	1	1	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	1	1	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	19	8	816	31 488	529	1 185	20 287	48 159	44 809	91 363	1 438
LAKEWOOD TOWNSHIP, NJ													
31-33	Manufacturing	2	95	50	5 375	147 573	4 153	7 811	89 815	364 429	320 455	681 378	22 476
325	Chemical mfg	1	9	5	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	3	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	3	1	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	3	1	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	2	2	g	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	-	2	2	g	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg .	-	2	2	g	D	D	D	D	D	D	D	D
333	Machinery mfg	3	8	6	519	17 652	349	698	8 148	48 134	32 462	80 311	1 320
LAWRENCE TOWNSHIP, NJ													
31-33	Manufacturing	3	27	8	583	15 691	466	769	10 215	37 003	12 462	49 861	2 602
LINCOLN PARK, NJ													
31-33	Manufacturing	5	18	9	795	26 051	537	911	12 737	58 514	47 592	104 579	7 585

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
LINDEN, NJ													
31-33	Manufacturing	-	164	65	8 202	364 132	6 059	12 729	235 978	1 951 317	4 654 117	6 332 539	73 325
315	Apparel mfg	7	10	6	561	10 576	364	671	6 872	20 565	16 562	36 885	D
324	Petroleum & coal products mfg	-	2	2	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	-	2	2	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	17	10	1 001	54 487	539	1 075	19 706	261 201	346 748	613 914	D
3251	Basic chemical mfg	-	3	2	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg	-	2	2	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	3	17	10	644	21 317	469	1 005	12 834	49 050	66 282	114 944	D
332	Fabricated metal product mfg	1	39	12	740	26 388	562	1 110	14 243	51 058	13 768	64 493	D
336	Transportation equipment mfg	-	2	2	g	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg	-	1	1	g	D	D	D	D	D	D	D	D
LITTLE FALLS TOWNSHIP, NJ													
31-33	Manufacturing	1	32	12	821	26 093	626	1 333	15 706	71 120	28 393	98 301	2 391
LITTLE FERRY, NJ													
31-33	Manufacturing	1	40	14	835	30 231	575	1 194	17 107	78 855	82 361	166 436	4 417
LIVINGSTON TOWNSHIP, NJ													
31-33	Manufacturing	3	33	7	658	21 652	469	1 034	10 916	43 463	25 754	68 709	2 839
LODI, NJ													
31-33	Manufacturing	4	47	21	1 469	39 308	899	1 785	21 148	112 213	82 597	193 312	3 849
LONG BRANCH, NJ													
31-33	Manufacturing	2	24	3	505	15 179	337	627	7 006	31 106	26 496	58 543	2 545
LYNDHURST TOWNSHIP, NJ													
31-33	Manufacturing	2	43	14	1 740	54 409	1 187	2 375	29 741	151 333	90 938	240 997	20 654
MAHWAH TOWNSHIP, NJ													
31-33	Manufacturing	1	38	18	2 101	81 012	1 065	2 178	27 522	200 432	236 134	444 182	10 018
334	Computer & electronic product mfg	-	6	3	529	30 662	79	176	3 534	63 827	132 420	205 713	2 020
MARLBORO TOWNSHIP, NJ													
31-33	Manufacturing	2	36	10	747	24 034	470	862	10 692	76 189	61 919	140 086	3 101
MAYWOOD, NJ													
31-33	Manufacturing	-	13	6	1 168	37 037	761	1 530	16 520	85 142	66 217	152 394	10 109
339	Miscellaneous mfg	-	1	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33995	Sign mfg	-	1	1	f	D	D	D	D	D	D	D	D
339950	Sign mfg	-	1	1	f	D	D	D	D	D	D	D	D
MENDHAM, NJ													
31-33	Manufacturing	1	19	8	650	27 054	357	740	11 466	61 857	36 338	99 594	3 178

Table 4. Industry Statistics for Places: 1997—Con.

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
METUCHEN, NJ													
31-33	Manufacturing	1	33	14	795	24 747	599	1 173	16 065	51 634	30 141	81 014	2 953
MIDDLESEX, NJ													
31-33	Manufacturing	3	79	20	1 317	41 174	1 002	2 010	25 274	96 788	66 376	164 583	5 687
MIDLAND PARK, NJ													
31-33	Manufacturing	-	18	5	527	17 229	366	683	7 618	40 221	15 050	55 429	1 311
MILLVILLE, NJ													
31-33	Manufacturing	-	52	22	4 684	154 393	3 667	7 284	113 772	344 652	269 521	609 518	39 800
327	Nonmetallic mineral product mfg	1	9	6	2 682	91 826	2 129	4 413	71 704	202 610	121 076	321 621	32 120
3272	Glass & glass product mfg .	1	9	6	2 682	91 826	2 129	4 413	71 704	202 610	121 076	321 621	32 120
32721	Glass & glass product mfg	1	9	6	2 682	91 826	2 129	4 413	71 704	202 610	121 076	321 621	32 120
327212	Other pressed & blown glass & glassware mfg	-	3	1	f	D	D	D	D	D	D	D	D
327213	Glass container mfg ..	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
MONROE TOWNSHIP, NJ (GLOUCESTER COUNTY)													
31-33	Manufacturing	1	39	10	908	23 625	655	1 151	13 409	54 788	52 325	106 910	4 297
MONROE TOWNSHIP, NJ (MIDDLESEX COUNTY)													
31-33	Manufacturing	4	11	5	904	24 350	743	1 573	17 530	80 316	69 721	149 942	3 922
326	Plastics & rubber products mfg	-	3	3	f	D	D	D	D	D	D	D	1 979
3261	Plastics product mfg	-	3	3	f	D	D	D	D	D	D	D	1 979
MONTVILLE TOWNSHIP, NJ													
31-33	Manufacturing	-	44	13	1 153	39 171	806	1 643	20 746	97 370	71 314	170 059	4 306
MOONACHIE, NJ													
31-33	Manufacturing	2	57	36	3 292	105 212	2 136	4 438	59 581	190 660	335 593	526 068	13 374
322	Paper mfg	-	5	5	734	23 866	499	832	14 069	49 164	40 767	89 991	1 704
3222	Converted paper product mfg	-	5	5	734	23 866	499	832	14 069	49 164	40 767	89 991	1 704
32221	Paperboard container mfg	-	4	4	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	11	8	601	19 515	336	692	10 056	35 728	40 694	76 832	1 638
3231	Printing & related support activities.....	2	11	8	601	19 515	336	692	10 056	35 728	40 694	76 832	1 638
32311	Printing	2	9	6	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	8	7	6	597	21 834	331	795	11 958	32 007	61 299	94 204	4 312
3261	Plastics product mfg	8	6	5	f	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MOORESTOWN TOWNSHIP, NJ													
31-33	Manufacturing	-	51	26	5 248	258 060	3 515	7 519	168 587	742 519	403 712	1 142 856	22 999
323	Printing & related support activities.....	1	17	7	504	21 036	363	814	13 629	42 729	24 228	66 532	D
3231	Printing & related support activities.....	1	17	7	504	21 036	363	814	13 629	42 729	24 228	66 532	D
333	Machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
333313	Office machinery mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	-	5	5	h	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	2	2	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	2	2	h	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	2	2	h	D	D	D	D	D	D	D	D
MORRISTOWN, NJ													
31-33	Manufacturing	9	23	3	567	23 178	391	876	15 211	182 698	88 823	269 361	7 030
MOUNTAINSIDE, NJ													
31-33	Manufacturing	-	25	10	1 006	44 746	745	1 696	27 447	81 708	39 807	120 375	5 612
332	Fabricated metal product mfg	-	6	4	572	28 444	420	985	18 475	51 803	23 464	74 877	4 731
MOUNT HOLLY TOWNSHIP, NJ													
31-33	Manufacturing	-	19	8	543	17 915	407	783	11 871	52 353	28 139	79 627	2 112
MOUNT LAUREL TOWNSHIP, NJ													
31-33	Manufacturing	1	31	15	1 449	63 218	906	1 563	28 591	162 553	104 048	266 659	D
MOUNT OLIVE TOWNSHIP, NJ													
31-33	Manufacturing	-	32	12	1 327	64 962	683	1 084	22 691	506 590	315 893	805 543	9 106
325	Chemical mfg	-	4	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	3	2	f	D	D	D	D	D	D	D	D
NEWARK, NJ													

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NEWARK, NJ—Con.													
31-33	Manufacturing	1	439	172	14 960	491 931	10 693	21 463	290 902	1 817 277	1 547 475	3 353 066	124 046
311	Food mfg	2	48	21	1 786	58 673	1 179	2 520	31 880	171 986	251 755	421 686	9 465
3118	Bakeries & tortilla mfg	4	22	7	755	23 565	502	1 102	14 421	49 860	31 386	81 511	3 597
31181	Bread & bakery product mfg	—	21	6	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	3	1	g	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	3	1	g	D	D	D	D	D	D	D	D
31212	Breweries	—	1	1	g	D	D	D	D	D	D	D	D
312120	Breweries	—	1	1	g	D	D	D	D	D	D	D	D
315	Apparel mfg	4	42	25	1 509	26 342	1 297	2 656	19 779	47 697	24 572	69 959	D
3152	Cut & sew apparel mfg	5	37	22	g	D	D	D	D	D	D	D	D
31521	Cut & sew apparel contractors	7	22	14	f	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	6	20	13	f	D	D	D	D	D	D	D	D
322	Paper mfg	—	21	13	1 513	57 929	1 029	2 346	31 211	128 537	131 684	259 993	D
3222	Converted paper product mfg	—	20	12	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	11	9	945	39 115	643	1 496	20 480	79 913	76 680	156 664	7 691
322211	Corrugated & solid fiber box mfg	—	6	4	661	30 464	424	1 045	15 747	62 742	69 178	131 937	D
323	Printing & related support activities.....	5	31	6	522	12 503	390	659	8 200	28 846	14 168	42 881	1 329
3231	Printing & related support activities.....	5	31	6	522	12 503	390	659	8 200	28 846	14 168	42 881	1 329
325	Chemical mfg	2	59	28	2 163	94 364	1 269	2 597	47 643	346 169	443 163	795 537	24 174
3251	Basic chemical mfg	3	24	14	1 114	51 915	580	1 250	24 654	193 530	220 692	422 728	13 077
32519	Other basic organic chemical mfg	3	14	8	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg	4	11	8	686	33 929	318	678	13 180	116 304	140 827	255 110	D
3255	Paint, coating, & adhesive mfg	—	19	6	540	24 566	356	742	13 317	88 982	133 348	220 380	6 811
326	Plastics & rubber products mfg	1	23	10	822	19 785	635	1 190	10 034	45 744	44 669	89 980	3 641
3261	Plastics product mfg	1	19	9	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	3	95	21	1 647	46 545	1 263	2 247	29 334	108 683	71 039	179 585	6 701
337	Furniture & related product mfg	6	22	12	1 042	31 915	751	1 572	17 728	68 847	51 973	117 601	D
3372	Office furniture (including fixtures) mfg	6	10	5	633	20 295	440	885	10 743	51 858	31 502	80 094	D
33721	Office furniture (including fixtures) mfg	6	10	5	633	20 295	440	885	10 743	51 858	31 502	80 094	D
337215	Showcase, partition, shelving, & locker mfg	6	7	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	1	15	6	1 059	25 805	636	1 229	14 708	52 245	67 566	120 399	4 123
3399	Other miscellaneous mfg ..	1	12	6	1 036	25 281	620	1 207	14 433	51 171	67 350	119 174	D
NEW BRUNSWICK, NJ													
31-33	Manufacturing	1	78	23	2 689	113 975	2 008	3 591	71 605	497 120	193 558	689 935	32 969
325	Chemical mfg	1	10	7	913	50 134	621	1 037	28 859	285 697	84 472	369 458	24 319
3254	Pharmaceutical & medicine mfg	1	5	4	738	40 482	524	829	24 484	255 468	52 405	307 196	D
32541	Pharmaceutical & medicine mfg	1	5	4	738	40 482	524	829	24 484	255 468	52 405	307 196	D
325412	Pharmaceutical preparation mfg	1	3	3	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NORTH BERGEN TOWNSHIP, NJ													
31-33	Manufacturing	3	143	46	6 662	218 835	3 439	6 937	85 521	358 769	340 369	693 321	11 538
313	Textile mills	7	23	7	569	15 977	454	856	11 198	41 957	21 199	63 613	1 481
315	Apparel mfg	-	33	16	4 100	151 081	1 561	3 206	45 133	157 220	181 365	336 936	3 569
3152	Cut & sew apparel mfg	-	26	12	3 921	146 471	1 463	2 976	43 156	137 923	146 863	283 182	3 385
31521	Cut & sew apparel contractors	7	15	7	f	D	D	D	D	D	D	D	D
315212	Women's, girls' & infants' cut & sew apparel contractors ..	7	15	7	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	-	8	4	3 015	133 480	919	2 072	35 630	119 301	143 974	261 650	D
315239	Women's & girls' cut & sew other outerwear mfg	-	3	2	h	D	D	D	D	D	D	D	D
NORTH BRUNSWICK TOWNSHIP, NJ													
31-33	Manufacturing	1	43	14	4 258	118 556	3 211	7 377	73 873	256 716	271 708	532 984	33 137
323	Printing & related support activities	-	8	1	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities	-	8	1	f	D	D	D	D	D	D	D	D
32311	Printing	-	8	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	3	1	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	3	1	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	2	1	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	2	1	g	D	D	D	D	D	D	D	D
NORTHVALE, NJ													
31-33	Manufacturing	2	50	21	1 673	66 920	1 026	2 317	29 705	173 228	214 811	387 244	7 981
325	Chemical mfg	1	8	4	518	20 143	272	609	8 237	75 198	101 380	170 539	1 994
NUTLEY TOWNSHIP, NJ													
31-33	Manufacturing	-	27	7	h	D	D	D	D	D	D	D	D
325	Chemical mfg	-	3	3	h	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	1	1	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	1	1	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	1	1	h	D	D	D	D	D	D	D	D
OAKLAND, NJ													
31-33	Manufacturing	1	30	18	1 981	97 327	919	1 938	27 604	174 118	142 500	313 961	16 365
333	Machinery mfg	1	8	7	560	21 810	313	663	9 789	43 991	52 397	99 569	1 406
339	Miscellaneous mfg	-	2	2	f	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg	-	2	2	f	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	-	2	2	f	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg	-	2	2	f	D	D	D	D	D	D	D	D
OLD BRIDGE TOWNSHIP, NJ													
31-33	Manufacturing	-	40	15	1 346	42 426	977	1 845	23 618	159 870	112 520	272 632	4 824
334	Computer & electronic product mfg	-	2	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PALISADES PARK, NJ													
31-33	Manufacturing	1	39	5	554	19 623	418	832	12 179	82 197	82 582	165 376	5 166
PALMYRA, NJ													
31-33	Manufacturing	1	12	7	551	20 152	408	789	10 055	42 494	15 001	57 573	1 468
PARAMUS, NJ													
31-33	Manufacturing	3	32	7	1 541	70 797	687	1 444	24 672	124 562	115 950	238 227	14 061
334	Computer & electronic product mfg.....	2	5	4	1 014	42 703	409	867	10 211	81 246	79 338	157 446	D
3345	Navigational, measuring, medical, & control instruments mfg	-	2	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	2	2	f	D	D	D	D	D	D	D	D
334510	Electromedical & electrotherapeutic apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
PARSIPPANY-TROY HILLS TOWNSHIP, NJ													
31-33	Manufacturing	1	69	27	3 147	148 228	1 929	4 259	69 980	693 569	508 848	1 197 037	32 024
323	Printing & related support activities.....	6	17	6	972	50 916	733	1 642	28 437	90 840	60 618	151 456	6 874
3231	Printing & related support activities.....	6	17	6	972	50 916	733	1 642	28 437	90 840	60 618	151 456	6 874
32311	Printing	6	14	4	793	44 183	596	1 370	23 709	81 026	59 375	140 327	6 634
323110	Commercial lithographic printing ..	8	5	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	6	4	614	25 332	289	703	11 262	58 636	32 252	89 061	2 622
PASSAIC, NJ													
31-33	Manufacturing	2	144	54	4 687	108 598	3 715	7 219	71 155	237 872	199 312	433 194	8 087
313	Textile mills.....	5	17	8	619	19 804	471	967	13 676	41 573	25 608	67 259	2 527
3133	Textile & fabric finishing & fabric coating mills.....	4	12	7	531	17 379	426	848	12 228	37 108	22 105	59 359	2 147
315	Apparel mfg	3	30	18	1 414	21 803	1 304	2 466	18 519	34 445	25 130	58 585	D
3152	Cut & sew apparel mfg	3	25	17	1 278	18 607	1 188	2 256	15 856	28 037	18 671	45 824	D
31521	Cut & sew apparel contractors	5	13	9	873	12 072	816	1 577	10 785	17 398	1 925	19 323	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	6	12	8	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	-	13	5	555	13 891	450	970	8 673	26 035	14 151	40 616	928
3231	Printing & related support activities.....	-	13	5	555	13 891	450	970	8 673	26 035	14 151	40 616	928
32311	Printing	-	11	4	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	7	3	577	11 897	352	614	4 846	40 856	43 752	81 708	1 106
3261	Plastics product mfg	-	6	3	f	D	D	D	D	D	D	D	D
PATERSON, NJ													

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	PATERSON, NJ—Con.												
	Manufacturing	2	340	114	8 436	277 214	6 219	12 111	155 632	929 443	817 673	1 748 423	49 933
311	Food mfg	7	21	8	652	17 952	527	1 213	11 630	66 596	65 372	132 131	1 998
313	Textile mills	2	30	12	960	37 418	759	1 827	24 842	62 462	46 948	110 176	3 097
3133	Textile & fabric finishing & fabric coating mills	2	19	9	642	26 938	515	1 322	19 291	45 356	31 717	77 453	D
31331	Textile & fabric finishing mills	2	18	9	f	D	D	D	D	D	D	D	2 036
325	Chemical mfg	1	30	15	1 135	47 664	724	1 339	24 085	373 529	366 458	735 078	19 899
3256	Soap, cleaning compound, & toilet preparation mfg	6	10	5	504	23 855	343	602	11 733	74 135	103 193	177 581	12 585
326	Plastics & rubber products mfg	4	20	12	879	25 923	598	1 194	11 841	83 031	99 373	185 003	6 640
3261	Plastics product mfg	4	20	12	879	25 923	598	1 194	11 841	83 031	99 373	185 003	6 640
32619	Other plastics product mfg	4	12	9	734	20 992	493	979	9 580	71 678	77 736	152 006	6 121
326199	All other plastics product mfg	4	11	8	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	61	12	847	28 277	608	1 240	16 755	69 424	40 421	110 690	4 545
333	Machinery mfg	2	29	11	658	23 457	428	827	12 427	55 119	49 491	106 196	1 933
334	Computer & electronic product mfg	2	12	8	653	19 829	479	852	9 320	42 699	14 123	57 647	1 827
3344	Semiconductor & other electronic component mfg	1	8	8	613	18 591	459	823	8 866	40 030	12 504	53 290	1 713
33441	Semiconductor & other electronic component mfg	1	8	8	613	18 591	459	823	8 866	40 030	12 504	53 290	1 713
31-33	PAULSBORO, NJ												
	Manufacturing	—	12	8	509	20 190	337	681	11 724	276 004	812 527	1 094 565	23 306
31-33	PENNSAUKEN TOWNSHIP, NJ												
	Manufacturing	1	159	76	7 608	251 321	5 137	9 918	138 324	601 437	660 299	1 271 973	46 719
311	Food mfg	—	14	11	1 204	29 687	759	1 503	16 602	172 667	156 010	328 291	7 547
3118	Bakeries & tortilla mfg	—	7	5	640	12 461	328	620	5 229	35 134	42 142	76 923	3 254
31182	Cookie, cracker, & pasta mfg	—	4	3	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	—	3	2	f	D	D	D	D	D	D	D	D
322	Paper mfg	—	6	5	599	20 885	435	924	9 137	47 561	46 708	94 262	4 756
3222	Converted paper product mfg	—	5	4	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	1	47	21	1 560	64 458	1 081	2 212	39 826	113 592	92 570	206 213	9 781
3231	Printing & related support activities	1	47	21	1 560	64 458	1 081	2 212	39 826	113 592	92 570	206 213	9 781
32311	Printing	1	33	16	1 175	49 240	786	1 535	30 570	84 711	85 620	170 556	8 566
323110	Commercial lithographic printing	—	22	13	968	41 816	649	1 260	25 773	71 657	76 956	148 810	8 040
331	Primary metal mfg	—	2	2	f	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing	—	1	1	f	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing	—	1	1	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	5	11	5	715	23 559	256	532	6 211	46 365	21 138	67 171	D
339	Miscellaneous mfg	3	19	6	731	19 244	523	1 171	11 986	39 019	30 641	69 878	4 022
31-33	PENNSVILLE TOWNSHIP, NJ												
	Manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
325	Chemical mfg	—	3	3	g	D	D	D	D	D	D	D	D
3251	Basic chemical mfg	—	1	1	g	D	D	D	D	D	D	D	D
32512	Industrial gas mfg	—	1	1	g	D	D	D	D	D	D	D	D
325120	Industrial gas mfg	—	1	1	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PEQUANNOCK TOWNSHIP, NJ													
31-33	Manufacturing	-	12	2	539	14 958	421	848	8 065	31 666	20 152	51 926	1 931
PERTH AMBOY, NJ													
31-33	Manufacturing	3	53	18	2 408	85 932	1 823	4 017	57 289	220 395	649 556	865 632	46 383
315	Apparel mfg	4	8	6	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	4	4	4	f	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	5	2	2	f	D	D	D	D	D	D	D	D
PHILLIPSBURG, NJ													
31-33	Manufacturing	-	33	15	1 946	72 285	1 252	2 434	38 197	167 991	187 173	358 515	7 765
333	Machinery mfg	-	5	2	f	D	D	D	D	D	D	D	2 374
3339	Other general-purpose machinery mfg	-	2	2	f	D	D	D	D	D	D	D	D
33391	Pump & compressor mfg	-	1	1	f	D	D	D	D	D	D	D	D
333911	Pump & pumping equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
PISCATAWAY TOWNSHIP, NJ													
31-33	Manufacturing	4	76	39	6 434	255 242	3 192	6 273	96 925	879 274	610 706	1 521 194	56 004
325	Chemical mfg	6	13	10	3 044	129 067	1 151	2 309	36 025	568 393	261 128	860 999	28 856
3256	Soap, cleaning compound, & toilet preparation mfg ..	6	7	7	h	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	6	6	6	2 473	105 695	802	1 712	26 205	529 070	193 411	745 778	D
325620	Toilet preparation mfg .	6	6	6	2 473	105 695	802	1 712	26 205	529 070	193 411	745 778	D
326	Plastics & rubber products mfg	5	9	7	867	29 473	659	1 241	18 408	68 640	64 638	133 851	12 008
3261	Plastics product mfg	5	9	7	867	29 473	659	1 241	18 408	68 640	64 638	133 851	12 008
32616	Plastics bottle mfg	7	3	3	f	D	D	D	D	D	D	D	D
326160	Plastics bottle mfg	7	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	13	6	524	21 906	364	793	12 848	42 336	66 849	109 184	1 862
334	Computer & electronic product mfg	1	8	5	543	24 824	257	385	8 403	39 158	32 578	70 361	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	4	517	24 259	237	355	8 065	38 013	31 657	68 281	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	4	517	24 259	237	355	8 065	38 013	31 657	68 281	D
PITMAN, NJ													
31-33	Manufacturing	-	20	10	1 045	42 398	823	1 590	32 464	79 380	50 234	129 692	D
334	Computer & electronic product mfg	-	2	2	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media .	-	1	1	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	-	1	1	f	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing	-	1	1	f	D	D	D	D	D	D	D	D
PLAINFIELD, NJ													
31-33	Manufacturing	4	42	11	1 128	30 926	836	1 789	18 176	64 566	90 516	154 870	6 749
RAHWAY, NJ													
31-33	Manufacturing	1	68	26	3 316	167 414	1 954	3 975	73 562	636 130	496 795	1 153 842	50 256
325	Chemical mfg	-	3	3	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	2	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	2	2	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg	-	1	1	g	D	D	D	D	D	D	D	D
RAMSEY, NJ													
31-33	Manufacturing	2	17	8	731	37 104	281	655	10 503	51 473	142 435	215 047	8 476

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
RANDOLPH TOWNSHIP, NJ													
31-33	Manufacturing	-	33	12	1 672	67 976	1 093	2 530	37 932	151 700	97 216	250 330	8 485
331	Primary metal mfg	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries	-	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	1	1	f	D	D	D	D	D	D	D	D
331512	Steel investment foundries	-	1	1	f	D	D	D	D	D	D	D	D
RARITAN, NJ													
31-33	Manufacturing	-	15	6	h	D	D	D	D	D	D	D	D
325	Chemical mfg	-	3	2	h	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	2	2	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	2	2	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	1	1	g	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg	-	1	1	f	D	D	D	D	D	D	D	D
READINGTON TOWNSHIP, NJ													
31-33	Manufacturing	-	28	11	1 110	43 365	675	1 398	20 315	94 981	146 310	241 459	2 591
RIDGEFIELD, NJ													
31-33	Manufacturing	5	67	28	2 217	74 125	1 340	2 718	35 485	222 901	229 961	458 598	10 207
325	Chemical mfg	6	10	6	1 006	37 289	533	1 160	15 129	103 486	123 450	234 937	6 425
ROCKAWAY TOWNSHIP, NJ													
31-33	Manufacturing	-	43	20	2 075	78 585	1 439	3 149	44 034	192 488	143 734	334 793	14 593
332	Fabricated metal product mfg	-	11	3	504	20 562	336	741	11 581	38 952	29 221	68 165	7 950
ROSELAND, NJ													
31-33	Manufacturing	1	11	7	817	36 881	312	669	11 466	105 853	248 128	334 994	13 151
ROSELLE, NJ													
31-33	Manufacturing	3	51	16	1 254	41 238	974	2 044	27 918	101 563	67 951	170 775	6 952
ROXBURY TOWNSHIP, NJ													
31-33	Manufacturing	5	26	7	726	24 844	498	1 129	13 428	52 981	56 513	108 989	3 315
RUTHERFORD, NJ													
31-33	Manufacturing	-	18	4	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	2	1	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg	-	1	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	-	1	1	g	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg	-	1	1	g	D	D	D	D	D	D	D	D
SADDLE BROOK TOWNSHIP, NJ													
31-33	Manufacturing	4	27	13	1 515	48 214	1 104	2 217	27 914	109 348	70 718	178 541	4 629
332	Fabricated metal product mfg	8	5	2	f	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg	9	1	1	f	D	D	D	D	D	D	D	D
33221	Cutlery & handtool mfg ..	9	1	1	f	D	D	D	D	D	D	D	D
332212	Hand & edge tool mfg ..	9	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
SAYREVILLE, NJ													
31-33	Manufacturing	-	24	7	2 272	101 157	1 777	3 964	71 930	540 416	319 504	860 722	31 565
311	Food mfg	-	4	1	f	D	D	D	D	D	D	D	14
31182	Bakeries & tortilla mfg	-	4	1	f	D	D	D	D	D	D	D	14
	Cookie, cracker, & pasta mfg	-	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	4	3	826	48 232	574	1 307	31 630	246 085	100 106	348 479	D
SECAUCUS, NJ													
31-33	Manufacturing	4	38	15	2 142	80 358	1 618	3 497	47 554	280 395	294 935	575 928	12 594
323	Printing & related support activities	3	9	4	897	42 673	682	1 528	27 161	112 353	79 350	191 751	8 450
3231	Printing & related support activities	3	9	4	897	42 673	682	1 528	27 161	112 353	79 350	191 751	8 450
32311	Printing	3	9	4	897	42 673	682	1 528	27 161	112 353	79 350	191 751	8 450
323110	Commercial lithographic printing ..	4	3	2	f	D	D	D	D	D	D	D	D
SOMERVILLE, NJ													
31-33	Manufacturing	1	25	10	1 366	76 125	769	1 283	26 791	400 495	290 614	685 996	4 447
325	Chemical mfg	-	2	2	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	-	2	2	f	D	D	D	D	D	D	D	D
SOUTH BRUNSWICK TOWNSHIP, NJ													
31-33	Manufacturing	-	44	22	2 314	108 129	1 509	3 134	55 461	435 944	358 645	795 215	30 664
325	Chemical mfg	1	9	7	837	39 776	505	978	18 367	174 656	139 668	315 642	8 697
SOUTH PLAINFIELD, NJ													
31-33	Manufacturing	2	106	52	4 991	165 457	3 326	6 804	87 578	391 340	455 218	835 006	22 353
325	Chemical mfg	-	14	11	1 060	31 784	476	934	11 269	113 998	83 868	193 708	4 864
3254	Pharmaceutical & medicine mfg	-	5	5	726	17 924	280	597	6 293	65 544	44 884	108 660	2 973
32541	Pharmaceutical & medicine mfg	-	5	5	726	17 924	280	597	6 293	65 544	44 884	108 660	2 973
325412	Pharmaceutical preparation mfg	-	4	4	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	11	9	1 169	35 395	906	1 945	21 717	70 930	57 721	129 200	2 764
3261	Plastics product mfg	2	10	8	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	3	6	4	669	19 854	524	1 176	12 791	39 399	33 627	72 982	1 488
326199	All other plastics product mfg	3	6	4	669	19 854	524	1 176	12 791	39 399	33 627	72 982	1 488
332	Fabricated metal product mfg	-	18	8	639	22 938	472	906	13 507	63 030	118 380	170 953	2 084
SPOTSWOOD, NJ													
31-33	Manufacturing	-	8	3	671	33 862	527	1 214	26 259	77 898	62 460	140 151	D
322	Paper mfg	-	3	3	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	f	D	D	D	D	D	D	D	D
SPRINGFIELD TOWNSHIP, NJ													
31-33	Manufacturing	1	41	11	1 424	49 796	983	2 061	26 490	111 413	61 812	170 417	5 713
332	Fabricated metal product mfg	-	10	3	803	27 917	546	1 250	14 870	60 896	22 949	81 282	1 922
3323	Architectural & structural metals mfg	-	3	2	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	-	3	2	f	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg	-	3	2	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
SUMMIT, NJ													
31-33	Manufacturing	-	20	6	543	27 209	341	718	12 280	244 006	126 752	389 332	8 795
TINTON FALLS, NJ													
31-33	Manufacturing	-	17	3	562	21 936	387	806	11 545	46 821	68 271	114 092	2 142
TOTOWA, NJ													
31-33	Manufacturing	-	44	23	2 900	133 887	1 829	3 826	61 304	908 764	306 436	1 224 172	20 902
311	Food mfg	-	8	3	737	41 152	300	633	12 061	148 973	80 266	229 167	5 065
325	Chemical mfg	-	5	5	657	33 609	407	760	16 620	624 830	96 544	730 095	9 236
TRENTON, NJ													
31-33	Manufacturing	1	89	31	2 790	104 700	1 898	3 621	59 669	185 692	183 820	370 750	14 339
333	Machinery mfg	-	8	4	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
333611	Turbine & turbine generator set unit mfg	-	1	1	f	D	D	D	D	D	D	D	D
UNION TOWNSHIP, NJ													
31-33	Manufacturing	4	121	46	4 952	189 374	3 358	7 027	103 063	433 782	477 902	916 666	21 040
311	Food mfg	9	14	4	g	D	D	D	D	D	D	D	D
3115	Dairy product mfg	9	1	1	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg	9	1	1	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	9	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	24	7	636	27 932	483	1 119	16 132	50 540	24 840	75 370	D
333	Machinery mfg	-	13	8	715	25 714	458	1 004	12 435	49 557	29 383	84 138	1 321
UNION CITY, NJ													
31-33	Manufacturing	4	133	21	1 563	29 439	1 304	2 422	20 092	61 780	40 388	102 328	2 375
315	Apparel mfg	4	46	10	777	10 487	718	1 350	8 841	16 623	5 541	22 032	376
3152	Cut & sew apparel mfg	4	38	9	700	9 067	652	1 184	7 683	14 318	4 622	18 808	329
VINELAND, NJ													
31-33	Manufacturing	1	105	52	6 223	186 852	4 788	9 512	124 824	494 402	422 285	913 016	40 226
311	Food mfg	-	15	10	1 199	37 126	929	1 738	24 315	157 694	195 601	353 369	D
3114	Fruit & vegetable preserving & specialty food mfg	-	6	6	f	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	-	4	4	f	D	D	D	D	D	D	D	D
311422	Specialty canning	-	3	3	f	D	D	D	D	D	D	D	D
315	Apparel mfg	-	5	5	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	5	5	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	28	18	2 397	84 663	1 984	4 139	62 743	188 783	83 577	274 311	D
3272	Glass & glass product mfg	-	21	14	g	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	-	21	14	g	D	D	D	D	D	D	D	D
327212	Other pressed & blown glass & glassware mfg	-	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	-	19	12	g	D	D	D	D	D	D	D	D
333	Machinery mfg	8	5	2	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	9	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	9	1	1	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	9	1	1	f	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	WALL TOWNSHIP, NJ												
	Manufacturing	2	57	19	1 874	63 606	1 272	2 708	38 456	153 701	132 910	285 528	8 599
	WALLINGTON, NJ												
31-33	Manufacturing	-	26	10	909	29 897	586	1 248	18 008	69 397	160 568	229 135	4 136
	WARREN TOWNSHIP, NJ												
31-33	Manufacturing	-	18	9	789	41 864	482	1 006	16 240	130 768	39 552	160 732	D
	WASHINGTON, NJ												
31-33	Manufacturing	-	18	7	718	30 488	553	1 139	22 101	86 593	71 855	156 719	9 394
	WASHINGTON TOWNSHIP, NJ (MORRIS COUNTY)												
31-33	Manufacturing	-	16	4	918	27 692	752	1 457	20 496	80 375	75 916	149 312	2 493
334	Computer & electronic product mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
	WAYNE TOWNSHIP, NJ												
31-33	Manufacturing	-	62	23	4 140	186 163	2 501	4 720	87 411	419 140	229 180	652 460	17 159
334	Computer & electronic product mfg.....	-	8	6	2 761	138 704	1 542	2 715	59 768	279 309	104 337	387 943	9 129
3345	Navigational, measuring, medical, & control instruments mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg.....	-	3	2	g	D	D	D	D	D	D	D	D
	WEST CALDWELL TOWNSHIP, NJ												
31-33	Manufacturing	4	40	21	2 269	88 912	1 505	2 984	47 816	174 895	156 133	330 866	25 253
323	Printing & related support activities.....	-	6	4	610	21 556	402	591	11 132	18 039	32 055	51 244	995
3231	Printing & related support activities.....	-	6	4	610	21 556	402	591	11 132	18 039	32 055	51 244	995
32311	Printing.....	-	6	4	610	21 556	402	591	11 132	18 039	32 055	51 244	995
323116	Manifold business form printing.....	-	3	3	579	20 434	384	567	10 903	17 059	30 762	48 972	D
	WEST DEPTFORD TOWNSHIP, NJ												
31-33	Manufacturing	-	29	13	1 924	80 708	1 034	2 074	32 877	781 817	794 917	1 575 422	14 918
323	Printing & related support activities.....	9	5	2	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	9	5	2	f	D	D	D	D	D	D	D	D
32311	Printing.....	9	5	2	f	D	D	D	D	D	D	D	D
	WEST NEW YORK, NJ												
31-33	Manufacturing	6	172	27	1 970	34 293	1 590	2 666	23 648	73 110	70 153	142 236	3 960
315	Apparel mfg.....	3	74	16	1 092	15 689	963	1 525	11 853	31 876	11 988	43 561	1 392
3152	Cut & sew apparel mfg....	3	63	12	772	11 586	677	1 166	8 493	25 574	6 955	32 302	D
31521	Cut & sew apparel contractors.....	2	45	8	605	9 077	533	926	6 812	21 271	3 166	24 278	647
315212	Women's, girls', & infants' cut & sew apparel contractors..	2	40	8	557	8 643	488	877	6 454	20 381	3 035	23 257	612

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments			All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	WEST ORANGE TOWNSHIP, NJ												
31-33	Manufacturing	-	43	10	860	29 581	591	1 166	18 041	302 909	107 308	400 952	7 030
	WEST PATERSON, NJ												
31-33	Manufacturing	1	30	9	553	17 611	387	629	7 510	38 767	30 693	68 966	1 078
	WESTVILLE, NJ												
31-33	Manufacturing	-	19	6	g	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	1	3	1	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	1	3	1	f	D	D	D	D	D	D	D	D
32311	Printing	1	3	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	1	2	1	f	D	D	D	D	D	D	D	D
	WOODBRIIDGE TOWNSHIP, NJ												
31-33	Manufacturing	1	85	32	4 431	163 237	3 211	6 909	105 589	753 472	1 457 564	2 218 071	36 538
315	Apparel mfg	-	5	2	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	4	1	f	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	14	10	865	36 311	600	1 367	26 759	250 255	280 857	531 478	13 382

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c-100 to 249 employees; e-250 to 499 employees; f-500 to 999 employees; g-1,000 to 2,499 employees; h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

Table 5. Detailed Statistics for the State: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
NEW JERSEY		NEW JERSEY—Con.	
Companies ¹ number..	11 321	Quantity of electricity purchased for heat and power 1,000 kWh..	12 364 352
All establishments number..	11 812	Quantity of electricity generated less sold for heat and power . . . 1,000 kWh..	868 996
Establishments with 1 to 19 employees number..	7 984	Total value of shipments \$1,000..	97 060 800
Establishments with 20 to 99 employees number..	2 942	Value of resales \$1,000..	7 227 543
Establishments with 100 employees or more number..	886	Value added \$1,000..	50 101 691
All employees number..	409 788	Total inventories, beginning of year \$1,000..	11 315 115
Total compensation ² \$1,000..	19 221 402	Finished goods inventories, beginning of year \$1,000..	4 657 621
Annual payroll \$1,000..	15 430 197	Work-in-process inventories, beginning of year \$1,000..	2 796 913
Total fringe benefits \$1,000..	3 791 205	Materials and supplies inventories, beginning of year \$1,000..	3 860 581
Production workers, average for year number..	275 840	Total inventories, end of year \$1,000..	11 480 299
Production workers on March 12 number..	275 235	Finished goods inventories, end of year \$1,000..	4 621 754
Production workers on May 12 number..	276 343	Work-in-process inventories, end of year \$1,000..	2 902 801
Production workers on August 12 number..	275 547	Materials and supplies inventories, end of year \$1,000..	3 955 744
Production workers on November 12 number..	276 235	Gross book value of total assets at beginning of year \$1,000..	32 847 090
Production-worker hours 1,000..	557 459	Total capital expenditures (new and used) \$1,000..	3 113 961
Production-worker wages \$1,000..	8 152 112	Capital expenditures for buildings and other structures (new and used) \$1,000..	583 613
Total cost of materials \$1,000..	47 025 139	Capital expenditures for machinery and equipment (new and used) \$1,000..	2 530 348
Cost of materials, parts, containers, etc., consumed \$1,000..	39 479 254	Total retirements ² \$1,000..	1 071 746
Cost of resales \$1,000..	4 399 886	Gross book value of total assets at end of year \$1,000..	34 889 305
Cost of fuels \$1,000..	541 978	Total depreciation during year ² \$1,000..	2 185 297
Cost of purchased electricity \$1,000..	977 290	Total rental payments ² \$1,000..	849 847
Cost of contract work \$1,000..	1 626 731	Buildings and other structures rental payments ² \$1,000..	454 995
		Machinery and equipment rental payments ² \$1,000..	394 852

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²These items are collected in the ASM and estimated for the remaining establishments.

Appendix A.

Explanation of Terms

BEGINNING- AND END-OF-YEAR INVENTORIES

Respondents were asked to report their beginning-of-year and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Inventory Data by Stage of Fabrication

Total inventories and three detailed components (1) finished goods, (2) work-in-process, and (3) materials, supplies, fuels, etc., were collected.

When using inventory data by stage of fabrication for “all industries” and at the three-digit subsector level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by an establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for all publication levels.

COST OF MATERIALS

This term refers to 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.

Included in this item are:

1. Cost of parts, components, containers, etc.—Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.

3. Cost of fuels consumed for heat and power—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.
4. Cost of purchased electricity—The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
5. Cost of contract work—This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term “Contract Work” refers to the fee a company pays to another company to perform a service.

Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual

manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

DEPRECIATION CHARGES FOR FIXED ASSETS

This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

EMPLOYEES

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production Workers

This item includes workers (up through the line-supervisor level) 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 (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

All Other Employees

This item covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria,

medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

FRINGE BENEFITS

Fringe benefits are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

GROSS BOOK VALUE OF DEPRECIABLE ASSETS AT BEGINNING OF YEAR (BOY) AND END OF YEAR (EOY)

Total value of depreciable assets is collected on all census forms. It shows the value of depreciable assets for the beginning of year and end of year. The data encompass all fixed depreciable assets on the books of establishments. The values shown (book value) represent the actual cost of 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.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress.

In addition, respondents were requested to make certain that assets at the beginning of the year plus capital expenditures, less retirements, equaled assets at the end of the year.

NUMBER OF ESTABLISHMENTS AND COMPANIES

A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location

where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

If the company operated at different physical locations, even if the individual locations were producing the same line of goods, a separate report was requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was requested for each activity.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the "Operational Status" section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as 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. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

The ASM provides estimates of employers' total supplemental labor costs (those required by Federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

PRODUCTION-WORKER HOURS

This item covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

Data on the cost of purchased electric energy were collected on all census forms. However, data on the quantity of purchased electric energy were collected only on the

Annual Survey of Manufactures (ASM) form. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

RENTAL PAYMENTS

Total rental payments are collected on all census forms. However, the breakdown between rental payments for buildings and other structures and rental payments for machinery and equipment is collected only on the ASM forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

RETIREMENTS OF DEPRECIABLE ASSETS

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during the calendar year. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

TOTAL CAPITAL EXPENDITURES (NEW AND USED)

For establishments in operation and any known plants under construction, manufacturers were asked to report their new and used expenditures for (1) permanent additions and major alterations to manufacturing establishments and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

Totals for expenditures include the costs of assets leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under contract by private companies and

plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

VALUE ADDED

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and 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 (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

“Value added” avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

VALUE OF SHIPMENTS

This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of “all other costs” (including company overhead) and profit.

In addition to the value for NAICS defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment’s value of product shipments:

1. Reported contract work—Receipts for work or services that a plant performed for others on their materials.
2. Value of resales—Sales of products brought and sold without further manufacture, processing, or assembly.
3. Other miscellaneous receipts—Such as repair work, installation, sales of scrap, etc.

Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 31-33 MANUFACTURING

The Manufacturing sector comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction.

Establishments in the Manufacturing sector are often described as plants, factories, or mills and characteristically use power-driven machines and materials-handling equipment. However, establishments that transform materials or substances into new products by hand or in the worker's home and those engaged in selling to the general public products made on the same premises from which they are sold, such as bakeries, candy stores, and custom tailors, may also be included in this sector. Manufacturing establishments may process materials or may contract with other establishments to process their materials for them. Both types of establishments are included in manufacturing.

The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying as well as products of other manufacturing establishments. The materials used may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another, under the same ownership.

The new product of a manufacturing establishment may be finished in the sense that it is ready for utilization or consumption, or it may be semifinished to become an input for an establishment engaged in further manufacturing. For example, the product of the alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturing establishment.

The subsectors in the Manufacturing sector generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for separate sale. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working

machinery would be classified with metal working machinery. However, components, input from other manufacturing establishments, are classified based on the production function of the component manufacturer. For example, electronic components are classified in Subsector 334, Computer and Electronic Product Manufacturing and stampings are classified in Subsector 332, Fabricated Metal Product Manufacturing.

Manufacturing establishments often perform one or more activities that are classified outside the Manufacturing sector of NAICS. For instance, almost all manufacturing has some captive research and development or administrative operations, such as accounting, payroll, or management. These captive services are treated the same as captive manufacturing activities. When the services are provided by separate establishments, they are classified to the NAICS sector where such services are primary, not in manufacturing.

The boundaries of manufacturing and the other sectors of the classification system can be somewhat blurry. The establishments in the manufacturing sector are engaged in the transformation of materials into new products. Their output is a new product. However, the definition of what constitutes a new product can be somewhat subjective. As clarification, the following activities are considered manufacturing in NAICS: milk bottling and pasteurizing; water bottling and processing; fresh fish packaging (oyster shucking, fish filleting); apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations) as well as contracting on materials owned by others; printing and related activities; ready-mixed concrete production; leather converting; grinding of lenses to prescription; wood preserving; electroplating, plating, metal heat treating, and polishing for the trade; lapidary work for the trade; fabricating signs and advertising displays; rebuilding or remanufacturing machinery (i.e., automotive parts); ship repair and renovation; machine shops; and tire retreading.

Conversely, there are activities that are sometimes considered manufacturing, but which for NAICS are classified in another sector (i.e., not classified as manufacturing). They include:

1. Logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting, is considered a harvesting operation;
2. The beneficiating of ores and other minerals, classified in Sector 21, Mining, is considered part of the activity of mining;

3. The construction of structures and fabricating operations performed at the site of construction by contractors, is classified in Sector 23, Construction;
4. Establishments engaged in breaking of bulk and redistribution in smaller lots, including packaging, repackaging, or bottling products, such as liquors or chemicals; the customized assembly of computers; sorting of scrap; mixing paints to customer order; and cutting metals to customer order, classified in Sector 42, Wholesale Trade or Sector 44-45, Retail Trade, produce a modified version of the same product, not a new product; and
5. Publishing and the combined activity of publishing and printing, classified in Sector 51, Information, perform the transformation of information into a product where as the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book or software diskette).

311 Food Manufacturing

Industries in the Food Manufacturing subsector transform livestock and agricultural products into products for intermediate or final consumption. The industry groups are distinguished by the raw materials (generally of animal or vegetable origin) processed into food products.

The food products manufactured in these establishments are typically sold to wholesalers or retailers for distribution to consumers, but establishments primarily engaged in retailing bakery and candy products made on the premises not for immediate consumption are included.

Establishments primarily engaged in manufacturing beverages are classified in Subsector 312, Beverage and Tobacco Product Manufacturing.

3111 Animal Food Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31111, Animal Food Manufacturing.

31111 Animal Food Manufacturing

This industry comprises establishments primarily engaged in manufacturing food and feed for animals from ingredients, such as grains, oilseed mill products, and meat products.

311111 Dog and Cat Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dog and cat food from ingredients, such as grains, oilseed mill products, and meat products.

The data published with NAICS code 311111 include the following SIC industry:

2047 Dog and cat food

311119 Other Animal Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing animal food (except dog and cat) from ingredients, such as grains, oilseed mill products, and meat products.

The data published with NAICS code 311119 include the following SIC industry:

2048 Prepared feeds and feed ingredients for animals and fowls, except dogs and cats (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311119 do not include establishments primarily engaged in the custom grinding of grain. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3112 Grain and Oilseed Milling

This NAICS industry group includes establishments classified in the following NAICS Industries: 31121, Flour Milling and Malt Manufacturing; 31122, Starch and Vegetable Fats and Oils Manufacturing; and 31123, Breakfast Cereal Manufacturing.

31121 Flour Milling and Malt Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) milling flour or meal from grains or vegetables; (2) preparing flour mixes or doughs from flour milled in the same establishment; (3) milling, cleaning, and polishing rice; and (4) manufacturing malt from barley, rye, or other grains.

311211 Flour Milling

This U.S. industry comprises establishments primarily engaged in (1) milling flour or meal from grains (except rice) or vegetables and/or (2) milling flour and preparing flour mixes or doughs.

The data published with NAICS code 311211 include the following SIC industries:

2034 Dehydrated fruits, vegetables, and soup mixes (pt)

2041 Flour and other grain mill products

311212 Rice Milling

This U.S. industry comprises establishments primarily engaged in one of the following: (1) milling rice; (2) cleaning and polishing rice; or (3) milling, cleaning, and polishing rice. The establishments in this industry may package the rice they mill with other ingredients.

The data published with NAICS code 311212 include the following SIC industry:

2044 Rice milling

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311212 do not include rice mills primarily engaged in packaging uncooked rice with other ingredients. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311213 Malt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing malt from barley, rye, or other grains.

The data published with NAICS code 311213 include the following SIC industry:

2083 Malt

31122 Starch and Vegetable Fats and Oils Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) wet milling corn and vegetables; (2) crushing oilseeds and tree nuts; (3) refining and/or blending vegetable oils; (4) manufacturing shortening and margarine; and (5) blending purchased animal fats with vegetable fats.

311221 Wet Corn Milling

This U.S. industry comprises establishments primarily engaged in wet milling corn and other vegetables (except to make ethyl alcohol). Examples of products made in these establishments are corn sweeteners, such as glucose, dextrose, and fructose; corn oil; and starches (except laundry).

The data published with NAICS code 311221 include the following SIC industry:

2046 Wet corn milling

311222 Soybean Processing

This U.S. industry comprises establishments engaged in crushing soybeans. Examples of products produced in these establishments are soybean oil, soybean cake and meal, and soybean protein isolates and concentrates.

The data published with NAICS code 311222 include the following SIC industry:

2075 Soybean oil mills (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311222 do not include establishments primarily engaged in the processing of

soybean oil from soybeans crushed in the same establishment. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311223 Other Oilseed Processing

This U.S. industry comprises establishments engaged in crushing oilseeds (except soybeans) and tree nuts, such as cottonseeds, linseeds, peanuts, and sunflower seeds.

The data published with NAICS code 311223 include the following SIC industries:

2074 Cottonseed oil mills (pt)

2076 Vegetable oil mills, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311223 do not include establishments primarily engaged in the processing of vegetable oils, except soybean oil, from oilseeds crushed in the same establishment. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311225 Fats and Oils Refining and Blending

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing shortening and margarine from purchased fats and oils; (2) refining and/or blending vegetable, oilseed, and tree nut oils from purchased oils; and (3) blending purchased animal fats with purchased vegetable fats.

The data published with NAICS code 311225 include the following SIC industries:

2074 Cottonseed oil mills (pt)

2075 Soybean oil mills (pt)

2076 Vegetable oil mills, n.e.c. (pt)

2077 Animal and marine fats and oil (pt)

2079 Shortening and cooking oils

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311225 do not include establishments primarily engaged in refining and/or blending corn oil from purchased oil. The data include establishments primarily engaged in the manufacture of vegetable oil foots. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31123 Breakfast Cereal Manufacturing

This industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

311230 Breakfast Cereal Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

The data published with NAICS code 311230 include the following SIC industry:

2043 Cereal breakfast foods (pt)

3113 Sugar and Confectionery Product Manufacturing

This industry group comprises (1) establishments that process agricultural inputs, such as sugarcane, beet, and cacao, to give rise to a new product (sugar or chocolate) and (2) those that begin with sugar and chocolate and process these further.

31131 Sugar Manufacturing

This industry comprises establishments primarily engaged in manufacturing raw sugar, liquid sugar, and refined sugar from sugarcane, raw cane sugar and sugarbeets.

311311 Sugarcane Mills

This U.S. industry comprises establishments primarily engaged in processing sugarcane.

The data published with NAICS code 311312 include the following SIC industry:

2061 Raw cane sugar

311312 Cane Sugar Refining

This U.S. industry comprises establishments primarily engaged in refining cane sugar from raw cane sugar.

The data published with NAICS code 311312 include the following SIC industry:

2062 Cane sugar refining

311313 Beet Sugar Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing refined beet sugar from sugarbeets

The data published with NAICS code 311313 include the following SIC industry:

2063 Beet sugar

31132 Chocolate and Confectionery Manufacturing From Cacao Beans

This industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

311320 Chocolate and Confectionery Manufacturing From Cacao Beans

This U.S. industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

The data published with NAICS code 311320 include the following SIC industries:

2066 Chocolate and cocoa products

31133 Confectionery Manufacturing From Purchased Chocolate

This industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

311330 Confectionery Manufacturing From Purchased Chocolate

This U.S. industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

The data published with NAICS code 311330 include the following SIC industries:

2064 Candy and other confectionery products and chewing gum (pt)

5441 Candy, nut, and confectionery stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311330 do not include establishments primarily engaged in the manufacture of chocolate products made from purchased chocolate. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3113301 Chocolate and Chocolate-type Confectionery Retail – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type chocolate and chocolate-type confectionery products not for immediate consumption made on the premises from chocolate produced elsewhere.

3113302 Chocolate and Chocolate-type Confectionery – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type chocolate and chocolate-type confectionery products from chocolate produced elsewhere.

31134 Nonchocolate Confectionery Manufacturing

This industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primary engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

311340 Nonchocolate Confectionery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primary engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

The data published with NAICS code 311340 include the following SIC industries:

2064 Candy and other confectionery products and chewing gum (pt)

2099 Food preparations, n.e.c. (pt)

5441 Candy, nut, and confectionery stores (pt)

3113401 Nonchocolate-Type Confectionery Products Retail – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type nonchocolate confectionery products, excluding cough drops, medicated candy, roasted peanuts, unsweetened popcorn and fountain syrup, not for immediate consumption made on the premises.

3113402 Nonchocolate-Type Confectionery Products – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type nonchocolate confectionery products, excluding cough drops, medicated candy, roasted peanuts, unsweetened popcorn and fountain syrup.

3114 Fruit and Vegetable Preserving and Specialty Food Manufacturing

This industry group includes (1) establishments that freeze food and (2) those that use preservation processes, such as pickling, canning, and dehydrating. Both types begin their production process with inputs of vegetable or animal origin.

31141 Frozen Food Manufacturing

This industry comprises establishments primarily engaged in manufacturing frozen fruit, frozen juices, frozen vegetables, and frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped toppings; and frozen waffles, pancakes, and french toast.

311411 Frozen Fruit, Juice, and Vegetable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen fruits; frozen vegetables; and frozen fruit juices, –ades, drinks, cocktail mixes and concentrates.

The data published with NAICS code 311411 include the following SIC industry:

2037 Frozen fruits and vegetables

311412 Frozen Specialty Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped topping; and frozen waffles, pancakes, and french toast.

The data published with NAICS code 311412 include the following SIC industry:

2038 Frozen specialties, n.e.c.

31142 Fruit and Vegetable Canning, Pickling, and Drying

This industry comprises establishments primarily engaged in manufacturing canned, pickled, and dried fruits, vegetables, and specialty foods. Establishments in this industry may package the dried or dehydrated ingredients they make with other purchased ingredients. Examples of products made by these establishments are canned juices; canned baby foods; canned soups (except seafood); canned dry beans; canned tomato-based sauces, such as catsup, salsa, chili, spaghetti, barbeque, and tomato paste, pickles, relishes, jams and jellies, dried soup mixes and bullions, and sauerkraut.

311421 Fruit and Vegetable Canning

This U.S. industry comprises establishments primarily engaged in manufacturing canned, pickled, and brined fruits and vegetables. Examples of products made in these establishments are canned juices; canned jams and jellies; canned tomato-based sauces, such as catsup, salsa, chili, spaghetti, barbeque, and tomato paste; pickles, relishes, and sauerkraut.

The data published with NAICS code 311421 include the following SIC industries:

2033 Canned fruits and vegetables

2035 Pickles, sauces, and salad dressings (pt)

311422 Specialty Canning

This U.S. industry comprises establishments primarily engaged in manufacturing canned specialty foods. Examples of products made in these establishments are canned baby food, canned baked beans, canned soups (except seafood), canned spaghetti, and other canned nationality foods.

The data published with NAICS code 311422 include the following SIC industry:

2032 Canned specialties (pt)

311423 Dried and Dehydrated Food Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) drying (including freeze-dried) and/or dehydrating fruits, vegetables, and soup mixes and bouillon and/or (2) drying and/or dehydrating ingredients and packaging them with other purchased ingredients, such as rice and dry pasta.

The data published with NAICS code 311423 include the following SIC industries:

2034 Dehydrated fruits, vegetables, and soups (pt)

2099 Food preparations, n.e.c. (pt)

3115 Dairy Product Manufacturing

This industry group comprises establishments that manufacture dairy products from raw milk, processed milk, and dairy substitutes.

31151 Dairy Product (Except Frozen) Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dairy products (except frozen) from raw milk and/or processed milk products; (2) manufacturing dairy substitutes (except frozen) from soybeans and other nondairy substances; and (3) manufacturing dry, condensed, concentrated, and evaporated dairy and dairy substitute products.

311511 Fluid Milk Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing processed milk products, such as pasteurized milk or cream and sour cream and/or (2) manufacturing fluid milk dairy substitutes from soybeans and other nondairy substances.

The data published with NAICS code 311511 include the following SIC industry:

2026 Fluid milk

311512 Creamery Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing creamery butter from milk and/or processed milk products.

The data published with NAICS code 311512 include the following SIC industry:

2021 Creamery butter

311513 Cheese Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cheese products (except cottage cheese) from raw milk and/or processed milk products and/or (2) manufacturing cheese substitutes from soybean and other nondairy substances.

The data published with NAICS code 311513 include the following SIC industry:

2022 Cheese, natural and processed

311514 Dry, Condensed, and Evaporated Dairy Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dry, condensed, and evaporated milk and dairy substitute products.

The data published with NAICS code 311514 include the following SIC industry:

2023 Dry, condensed and evaporated milk

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311514 do not include establishments primarily engaged in the manufacture of fluid milk processed with ultra-high temperature. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31152 Ice Cream and Frozen Dessert Manufacturing

This industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

311520 Ice Cream and Frozen Dessert Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

The data published with NAICS code 311520 include the following SIC industry:

2024 Ice cream and frozen desserts

3116 Meat Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31161, Animal Slaughtering and Processing.

31161 Animal Slaughtering and Processing

This industry comprises establishments primarily engaged in one or more of the following: (1) slaughtering animals; (2) preparing processed meats and meat byproducts; and (3) rendering and/or refining animal fat, bones, and meat scraps. This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased carcasses.

311611 Animal (Except Poultry) Slaughtering

This U.S. industry comprises establishments primary engaged in slaughtering animals (except poultry and small game). Establishments that slaughter and prepare meats are included in this industry.

The data published with NAICS code 311611 include the following SIC industries:

2011 Meat packing plants

2048 Prepared feeds, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311611 do not include establishments primarily engaged in custom slaughtering. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311612 Meat Processed From Carcasses

This U.S. industry comprises establishments primarily engaged in processing or preserving meat and meat byproducts (except poultry and small game) from purchased meats. This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased meats.

The data published with NAICS code 311612 include the following SIC industries:

2013 Sausages and other prepared meats

5147 Meat and meat products (pt)

311613 Rendering and Meat Byproduct Processing

This U.S. industry comprises establishments primarily engaged in rendering animal fat, bones, and meat scraps.

The data published with NAICS code 311613 include the following SIC industry:

2077 Animal and marine fats and oil (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311613 do not include establishments primarily engaged in manufacturing lard from purchased materials. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311615 Poultry Processing

This U.S. industry comprises establishments primarily engaged in (1) slaughtering poultry and small game and/or (2) preparing processed poultry and small game meat and meat byproducts.

The data published with NAICS code 311615 include the following SIC industry:

2015 Poultry and egg processing (pt)

3117 Seafood Product Preparation and Packaging

This NAICS industry group includes establishments classified in NAICS Industry 31171, Seafood Product Preparation and Packaging.

31171 Seafood Product Preparation and Packaging

This industry comprises establishments primarily engaged in one or more of the following: (1) canning seafood (including soup); (2) smoking, salting, and drying seafoods; (3) eviscerating fresh fish by removing heads, fins, scales, bones, and entrails; (4) shucking and packing fresh shellfish; (5) processing marine fats and oils; and (6) freezing seafood. Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are included in this industry.

311711 Seafood Canning

This U.S. industry comprises establishments primarily engaged in (1) canning seafood (including soup) and marine fats and oils and/or (2) smoking, salting, and drying seafoods. Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are included in this industry.

The data published with NAICS code 311711 include the following SIC industries:

2077 Animal and marine fats and oil (pt)

2091 Canned and cured seafood

311712 Fresh and Frozen Seafood Processing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) eviscerating fresh fish by removing heads, fins, scales, bones, and

entrails; (2) shucking and packing fresh shellfish; (3) manufacturing frozen seafood; and (4) processing fresh and frozen marine fats and oils.

The data published with NAICS code 311712 include the following SIC industries:

2077 Animal and marine fats and oil (pt)

2092 Prepared fresh or frozen fish and seafood

3118 Bakeries and Tortilla Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 31181, Bread and Bakery Product Manufacturing; 31182, Cookie, Cracker, and Pasta Manufacturing; and 31183, Tortilla Manufacturing.

31181 Bread and Bakery Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and other bakery products.

311811 Retail Bakeries

This U.S. industry comprises establishments primarily engaged in retailing bread and other bakery products not for immediate consumption made on the premises from flour, not from prepared dough.

The data published with NAICS code 311811 include the following SIC industry:

5461 Retail bakeries (pt)

311812 Commercial Bakeries

This U.S. industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and bread-type rolls and other fresh bakery (except cookies and crackers) products.

The data published with NAICS code 311812 include the following SIC industries:

2051 Bread, cake, and related products

2052 Cookies and crackers (pt)

311813 Frozen Cakes, Pies, and Other Pastries Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen bakery products (except bread), such as cakes, pies, and doughnuts.

The data published with NAICS code 311813 include the following SIC industry:

2053 Frozen bakery products, except bread

31182 Cookie, Cracker, and Pasta Manufacturing

This industry comprises establishments primarily engaged in one of the following: (1) manufacturing cookies and crackers; (2) preparing flour and dough mixes and

dough from flour ground elsewhere; and (3) manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

311821 Cookie and Cracker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

The data published with NAICS code 311821 include the following SIC industry:

2052 Cookies and crackers (pt)

311822 Flour Mixes and Dough Manufacturing From Purchased Flour

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

The data published with NAICS code 311822 include the following SIC industries:

2045 Blended and prepared flour

311823 Dry Pasta Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

The data published with NAICS code 311823 include the following SIC industry:

2098 Macaroni and spaghetti

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311823 do not include dry pasta plants primarily engaged in packaging dry pasta with other ingredients. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31183 Tortilla Manufacturing

This industry comprises establishments primarily engaged in manufacturing tortillas.

311830 Tortilla Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing tortillas.

The data published with NAICS code 311830 include the following SIC industry:

2099 Food preparations, n.e.c. (pt)

3119 Other Food Manufacturing

This industry group comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruit, vegetable, and specialty foods; dairy products; meat products; seafood products; and bakeries and tortillas). The industry group includes industries with different productive processes, such as snack food manufacturing; coffee and tea manufacturing; concentrate, syrup, condiment, and spice manufacturing; and, in general, an entire range of other miscellaneous food product manufacturing.

31191 Snack Food Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) salting, roasting, drying, cooking, or canning nuts; (2) processing grains or seeds into snacks; (3) manufacturing peanut butter; and (4) manufacturing potato chips, corn chips, popped popcorn, pretzels (except soft), pork rinds, and similar snacks.

311911 Roasted Nuts and Peanut Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) salting, roasting, drying, cooking, or canning nuts; (2) processing grains or seeds into snacks; and (3) manufacturing peanut butter.

The data published with NAICS code 311911 include the following SIC industries:

2068 Salted and roasted nuts and seeds

2099 Food preparations, n.e.c. (pt)

311919 Other Snack Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing snack foods (except roasted nuts and peanut butter).

The data published with NAICS code 311919 include the following SIC industries:

2052 Cookies and crackers (pt)

2096 Potato chips and similar snacks

31192 Coffee and Tea Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) roasting coffee; (2) manufacturing coffee and tea concentrates (including instant and freeze-dried); (3) blending tea; (4) manufacturing herbal tea; and (5) manufacturing coffee extracts, flavorings, and syrups.

311920 Coffee and Tea Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) roasting coffee; (2) manufacturing coffee and tea concentrates (including instant and freeze-dried); (3) blending tea; (4) manufacturing herbal tea; and (5) manufacturing coffee extracts, flavorings, and syrups.

The data published with NAICS code 311920 include the following SIC industries:

2043 Cereal breakfast foods (pt)

2095 Roasted coffee (pt)

2099 Food preparations, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311920 do not include establishments primarily engaged in the manufacture of coffee flavorings and syrups. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31193 Flavoring Syrup and Concentrate Manufacturing

This industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

311930 Flavoring Syrup and Concentrate Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

The data published with NAICS code 311930 include the following SIC industry:

2087 Flavoring extracts and syrups, n.e.c. (pt)

31194 Seasoning and Dressing Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dressings and sauces, such as mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravies); (2) manufacturing spices, table salt, seasoning, and flavoring extracts (except coffee and meat), and natural food colorings; and (3) manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravy).

The data published with NAICS code 311941 include the following SIC industries:

2035 Pickles, sauces, and salad dressings (pt)

2099 Food preparations, n.e.c.(pt)

311942 Spice and Extract Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or (2) manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

The data published with NAICS code 311942 include the following SIC industries:

2087 Flavoring extracts and syrups, n.e.c. (pt)

2095 Roasted coffee (pt)

2099 Food preparations, n.e.c. (pt)

2899 Chemical preparations, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311942 include establishments primarily engaged in the manufacture of coffee extracts but do not include establishments primarily engaged in the manufacture of malt extract. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31199 All Other Food Manufacturing

This industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakeries and tortillas; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings; and dressings). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

311991 Perishable Prepared Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing perishable prepared foods, such as salads, sandwiches, prepared meals, fresh pizza, fresh pasta, and peeled or cut vegetables.

The data published with NAICS code 311991 include the following SIC industry:

2099 Food preparations, n.e.c. (pt)

311999 All Other Miscellaneous Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakeries and tortillas; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings and dressings; and perishable prepared food). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

The data published with NAICS code 311999 include the following SIC industries:

2015 Poultry slaughtering and processing (pt)

2032 Canned specialties (pt)

2087 Flavoring extracts and syrups, n.e.c. (pt)

2099 Food preparations, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311999 do not include establishments primarily engaged in the manufacture of soup mixes from purchased dehydrated ingredients. The NAICS definitions will be fully implemented with the 2002 Economic Census.

312 Beverage and Tobacco Product Manufacturing

Industries in the Beverage and Tobacco Product Manufacturing subsector manufacture beverages and tobacco products. The industry group, Beverage Manufacturing, includes three types of establishments: (1) those that manufacture nonalcoholic beverages; (2) those that manufacture alcoholic beverages through the fermentation process; and (3) those that produce distilled alcoholic beverages. Ice manufacturing, while not a beverage, is included with nonalcoholic beverage manufacturing because it uses the same production process as water purification.

In the case of activities related to the manufacture of beverages, the structure follows the defined productive processes. Brandy, a distilled beverage, was not placed

under distillery product manufacturing, but rather under the NAICS class for winery product manufacturing since the productive process used in the manufacturing of alcoholic grape-based beverages produces both wines (fermented beverage) and brandies (distilled beverage).

The industry group, Tobacco Manufacturing, includes two types of establishments: (1) those engaged in redrying and stemming tobacco and (2) those that manufacture tobacco products, such as cigarettes and cigars.

3121 Beverage Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 31211, Soft Drink and Ice Manufacturing; 31212, Breweries; 31213, Wineries; and 31214, Distilleries.

31211 Soft Drink and Ice Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing soft drinks; (2) manufacturing ice; and (3) purifying and bottling water.

312111 Soft Drink Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing soft drinks and artificially carbonated waters.

The data published with NAICS code 312111 include the following SIC industry:

2086 Bottled and canned soft drinks (pt)

312112 Bottled Water Manufacturing

This U.S. industry comprises establishments primarily engaged in purifying and bottling water (including naturally carbonated).

The data published with NAICS code 312112 include the following SIC industry:

2086 Bottled and canned soft drinks (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 312112 do not include establishments primarily engaged in the bottling of mineral or spring water. The NAICS definitions will be fully implemented with the 2002 Economic Census.

312113 Ice Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ice.

The data published with NAICS code 312113 include the following SIC industry:

2097 Manufactured ice

31212 Breweries

This industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

312120 Breweries

This U.S. industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

The data published with NAICS code 312120 include the following SIC industry:

2082 Malt beverages

31213 Wineries

This industry comprises establishments primarily engaged in one or more of the following: (1) growing grapes and manufacturing wine and brandies; (2) manufacturing wine and brandies from grapes and other fruits grown elsewhere; and (3) blending wines and brandies.

312130 Wineries

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) growing grapes and manufacturing wine and brandies; (2) manufacturing wine and brandies from grapes and other fruits grown elsewhere; and (3) blending wines and brandies.

The data published with NAICS code 312130 include the following SIC industry:

2084 Wines, brandy, and brandy spirits

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 312130 do not include establishments primarily engaged in the manufacture of applejack. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31214 Distilleries

This industry comprises establishments primarily engaged in one or more of the following: (1) distilling potable liquors (except brandies); (2) distilling and blending liquors; and (3) blending and mixing liquors and other ingredients.

312140 Distilleries

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) distilling potable liquors (except brandies); (2) distilling and blending liquors; and (3) blending and mixing liquors and other ingredients.

The data published with NAICS code 312140 include the following SIC industry:

2085 Distilled liquor, except brandy

3122 Tobacco Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 31221, Tobacco Stemming and Redrying; and 31222, Tobacco Product Manufacturing.

31221 Tobacco Stemming and Redrying

This industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

312210 Tobacco Stemming and Redrying

This U.S. industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

The data published with NAICS code 312210 include the following SIC industry:

2141 Tobacco stemming and redrying (pt)

31222 Tobacco Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing cigarettes, cigars, smoking and chewing tobacco, and reconstituted tobacco.

312221 Cigarette Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cigarettes.

The data published with NAICS code 312221 include the following SIC industries:

2111 Cigarettes

312229 Other Tobacco Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing tobacco products (except cigarettes).

The data published with NAICS code 312229 include the following SIC industries:

2121 Cigars

2131 Chewing and smoking tobacco

2141 Tobacco stemming and redrying (pt)

313 Textile Mills

Industries in the Textile Mills subsector group establishments that transform a basic fiber (natural or synthetic) into a product, such as yarn or fabric, that is further manufactured into usable items, such as apparel, sheets and towels, and textile bags for individual or industrial consumption. The further manufacturing may be performed in the same establishment and classified in this subsector, or it may be performed at a separate establishment and be classified elsewhere in manufacturing.

The main processes in this subsector include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the textile. The NAICS structure follows and captures this process flow. Major industries in this flow, such as preparation of fibers, weaving of fabric, knitting of fabric, and fiber and fabric finishing, are uniquely identified. Texturizing, throwing, twisting, and winding of yarn contains aspects of both fiber preparation and fiber finishing and is classified with preparation of fibers rather than with finishing of fibers.

NAICS separates the manufacturing of primary textiles and the manufacturing of textile products (except apparel) when the textile product is produced from purchased primary textiles, such as fabric. The manufacturing of textile products (except apparel) from purchased fabric is classified in Subsector 314, Textile Product Mills, and apparel from purchased fabric is classified in Subsector 315, Apparel Manufacturing.

Excluded from this subsector are establishments that weave or knit fabric and make garments. These establishments are included in Subsector 315, Apparel Manufacturing.

3131 Fiber, Yarn, and Thread Mills

This NAICS industry group includes establishments classified in NAICS Industry 31311, Fiber, Yarn, and Thread Mills.

31311 Fiber, Yarn, and Thread Mills

This industry comprises establishments primarily engaged in one or more of the following: (1) spinning yarn; (2) manufacturing thread of any fiber; (3) texturizing, throwing, twisting, and winding purchased yarn or manmade fiber filaments; and (4) producing hemp yarn and further processing into rope or bags.

313111 Yarn Spinning Mills

This U.S. industry comprises establishments primarily engaged in spinning yarn from any fiber and/or producing hemp yarn and further processing into rope or bags.

The data published with NAICS code 313111 include the following SIC industries:

2281 Yarn spinning mills

2299 Textile goods, n.e.c. (pt)

313112 Yarn Texturizing, Throwing, and Twisting Mills

This U.S. industry comprises establishments primarily engaged in texturizing, throwing, twisting, spooling, or winding purchased yarns or manmade fiber filaments.

The data published with NAICS code 313112 include the following SIC industry:

2282 Yarn throwing and winding mills (pt)

3131121 Yarn Texturing, Throwing, and Twisting Mills – Manufacturer

Establishments primarily engaged in texturing, throwing, twisting, spooling, or winding purchased yarns or manmade filaments.

3131122 Yarn Texturing, Throwing, and Twisting Mills – Commission Finisher

Establishments primarily engaged in throwing, twisting, spooling, or winding yarns or manmade filaments on a commission basis.

313113 Thread Mills

This U.S. industry comprises establishments primarily engaged in manufacturing thread (e.g., sewing, hand-knitting, crochet) of all fibers.

The data published with NAICS code 313113 include the following SIC industries:

2284 Thread mills (pt)

2299 Textile goods, n.e.c. (pt)

3132 Fabric Mills

This NAICS industry group includes establishments classified in the following NAICS Industries: 31321, Broadwoven Fabric Mills; 31322, Narrow Fabric Mills and Schiffli Machine Embroidery; 31323, Nonwoven Fabric Mills; and 31324, Knit Fabric Mills.

31321 Broadwoven Fabric Mills

This industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

313210 Broadwoven Fabric Mills

This U.S. industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

The data published with NAICS code 313210 include the following SIC industries:

2211 Weaving mills, cotton

2221 Weaving mills, synthetics

2231 Weaving and finishing mills, wool (pt)

2299 Textile goods, n.e.c. (pt)

31322 Narrow Fabric Mills and Schiffli Machine Embroidery

This industry comprises establishments primarily engaged in one or more of the following: (1) weaving or braiding narrow fabrics; (2) manufacturing Schiffli machine embroideries; and (3) making fabric-covered elastic yarn and thread.

313221 Narrow Fabric Mills

This U.S. industry comprises establishments primarily engaged in (1) weaving or braiding narrow fabrics in their final form or initially made in wider widths that are specially constructed for narrower widths and/or (2) making fabric-covered elastic yarn and thread. Establishments in this industry may weave only; weave and finish; or weave, finish, and further fabricate fabric products

The data published with NAICS code 313221 include the following SIC industries:

2241 Narrow fabric mills

2299 Textile goods, n.e.c. (pt)

313222 Schiffli Machine Embroidery

This U.S. industry comprises establishments primarily engaged in manufacturing Schiffli machine embroideries.

The data published with NAICS code 313222 include the following SIC industry:

2397 Schiffli machine embroideries

31323 Nonwoven Fabric Mills

This industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

313230 Nonwoven Fabric Mills

This U.S. industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

The data published with NAICS code 313230 include the following SIC industries:

2297 Nonwoven fabrics

2299 Textile goods, n.e.c. (pt)

31324 Knit Fabric Mills

This industry comprises establishments primarily engaged in one of the following: (1) knitting weft (i.e., circular) and warp (i.e., flat) fabric; (2) knitting and finishing

weft and warp fabric; (3) manufacturing lace; or (4) manufacturing, dyeing, and finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

313241 Weft Knit Fabric Mills

This U.S. industry comprises establishments primarily engaged in knitting weft (i.e., circular) fabric or knitting and finishing weft fabric. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

The data published with NAICS code 313241 include the following SIC industry:

2257 Circular knit fabric mills (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 313241 do not include establishments primarily engaged in the manufacture of articles of weft knit fabric. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3132411 Weft Knit Fabric Mills – Manufacturer

Establishments primarily engaged in knitting weft (i.e., circular) fabric; knitting and finishing weft fabric; or knitting, finishing, and further fabricating weft fabric products (except apparel).

3132412 Weft Knit Fabric Mills – Jobber

Establishments engaged as weft knit fabric jobbers, who perform entrepreneurial functions of a manufacturer, including buying raw materials, designing and preparing samples, arranging for fabric to be made from their materials, and marketing finished fabric or fabricated products (except apparel).

3132413 Weft Knit Fabric Mills – Contractor

Establishments primarily engaged in knitting or finishing weft knit fabric or further fabricating weft knit fabric into products (except apparel) on a commission basis.

313249 Other Knit Fabric and Lace Mills

This U.S. industry comprises establishments primarily engaged in one of the following: (1) knitting warp (i.e., flat) fabric; (2) knitting and finishing warp fabric; (3) manufacturing lace; or (4) manufacturing, dyeing, or finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

The data published with NAICS code 313249 include the following SIC industries:

2258 Lace and warp knit fabric mills (pt)

2259 Knitting mills, n.e.c. (pt)

3132491 Other Knit Fabric and Lace Mills – Manufacturer

Establishments primarily engaged in knitting warp (i.e., flat) fabric; knitting and finishing warp fabric; knitting, finishing, and further fabricating warp fabric products (except apparel); manufacturing lace; or manufacturing, dyeing, or finishing lace and lace goods.

3132492 Other Knit Fabric and Lace Mills – Jobber

Establishments engaged as other knit fabric and lace jobbers, who perform entrepreneurial functions of a manufacturer, including buying raw materials, designing and preparing samples, arranging for fabric to be made from their materials, and marketing finished fabric.

3132493 Other Knit Fabric and Lace Mills – Contractor

Establishments primarily engaged in knitting or finishing lace and other knit fabric or further fabricating lace and other knit fabric into products (except apparel) on a commission basis.

3133 Textile and Fabric Finishing and Fabric Coating Mills

This NAICS industry group includes establishments classified in the following NAICS Industries: 31331, Textile and Fabric Finishing Mills; and 31332, Fabric Coating Mills.

31331 Textile and Fabric Finishing Mills

This industry comprises (1) establishments primarily engaged in finishing of textiles, fabrics, and apparel, and (2) establishments of converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale. Finishing operations include: bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing, and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

313311 Broadwoven Fabric Finishing Mills

This U.S. industry comprises (1) establishments primarily engaged in finishing broadwoven fabrics and (2) establishments of converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping.

The data published with NAICS code 313311 include the following SIC industries:

- 2231 Weaving and finishing mills, wool (pt)
- 2261 Finishing plants, cotton
- 2262 Finishing plants, synthetics
- 5131 Piece goods, notions and other dry goods (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 313311 do not include establishments primarily engaged in the sponging of fabric for tailors and dressmakers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3133111 Broadwoven Fabric Finishing Mills – Manufacturer

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of purchased broadwoven fabrics.

3133112 Broadwoven Fabric Finishing Mills – Converter

Establishments engaged as converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale.

3133113 Broadwoven Fabric Finishing Mills – Commission Finisher

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of broadwoven fabrics on a commission basis.

313312 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills

This U.S. industry comprises (1) establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven) and (2) establishments of converters who buy fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

The data published with NAICS code 313312 include the following SIC industries:

- 2231 Weaving and finishing mills, wool (pt)
- 2257 Circular knit fabric mills (pt)
- 2258 Lace and warp knit fabric mills (pt)

2269 Finishing plants, n.e.c.

2282 Yarn throwing and winding mills (pt)

2284 Thread mills (pt)

2299 Textile goods, n.e.c. (pt)

5131 Piece goods, notions and other dry goods (pt)

3133121 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills – Manufacturer

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of purchased textiles, apparel, and fabrics (except broadwoven).

3133122 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills – Converter

Establishments engaged as converters who buy fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale.

3133123 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills – Commission Finisher

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven) on a commission basis.

31332 Fabric Coating Mills

This industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

313320 Fabric Coating Mills

This U.S. industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

The data published with NAICS code 313320 include the following SIC industries:

- 2295 Coated fabrics, not rubberized
- 3069 Fabricated rubber products, n.e.c. (pt)

314 Textile Product Mills

Industries in the Textile Product Mills subsector group establishments that made textile products (except apparel). With a few exceptions, processes used in these industries are generally cut and sew (i.e., purchasing fabric and cutting and sewing to make nonapparel textile products, such as sheets and towels).

3141 Textile Furnishings Mills

This NAICS industry group includes establishments classified in the following NAICS Industries: 31411, Carpet and Rug Mills; and 31412, Curtain and Linen Mills.

31411 Carpet and Rug Mills

This industry comprises establishments primarily engaged in (1) manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or (2) finishing carpets and rugs.

314110 Carpet and Rug Mills

This U.S. industry comprises establishments primarily engaged in (1) manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or (2) finishing carpets and rugs.

The data published with NAICS code 314110 include the following SIC industry:

2273 Carpets and rugs

31412 Curtain and Linen Mills

This industry comprises establishments primarily engaged in manufacturing household textile products, such as curtains, draperies, linens, bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

314121 Curtain and Drapery Mills

This U.S. industry comprises establishments primarily engaged in manufacturing window curtains and draperies from purchased fabrics or sheet goods. The curtains and draperies may be made on a stock or custom basis for sale to individual retail customers.

The data published with NAICS code 314121 include the following SIC industries:

2391 Curtains and draperies

5714 Drapery and upholstery stores (pt)

314129 Other Household Textile Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing household textile products (except window curtains and draperies), such as bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

The data published with NAICS code 314129 include the following SIC industry:

2392 Housefurnishings, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 314129 do not include

establishments primarily engaged in the making of custom slip covers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3149 Other Textile Product Mills

This industry group comprises establishments primarily engaged in making textile products, (except carpets and rugs, curtains and draperies, and other household textile products) from purchased materials.

31491 Textile Bag and Canvas Mills

This industry comprises establishments primarily engaged in manufacturing textile bags, awnings, tents, and related products from purchased textile fabrics.

314911 Textile Bag Mills

This U.S. industry comprises establishments primarily engaged in manufacturing bags from purchased textile fabrics or yarns.

The data published with NAICS code 314911 include the following SIC industries:

2392 Housefurnishings, n.e.c. (pt)

2393 Textile bags

314912 Canvas and Related Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing canvas and canvas-like products, such as awnings, sails, tarpaulins, and tents, from purchased fabrics.

The data published with NAICS code 314912 include the following SIC industry:

2394 Canvas and related products

31499 All Other Textile Product Mills

This industry comprises establishments primarily engaged in manufacturing nonapparel textile products (except carpet, rugs, curtains, linens, bags, and canvas products) from purchased materials.

314991 Rope, Cordage, and Twine Mills

This U.S. industry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related products from all materials (e.g., abaca, sisal, henequen, hemp, cotton, paper, jute, flax, manmade fibers including glass).

The data published with NAICS code 314991 include the following SIC industry:

2298 Cordage and twine

314992 Tire Cord and Tire Fabric Mills

This U.S. industry comprises establishments primarily engaged in manufacturing cord and fabric of polyester, rayon, cotton, glass, steel, or other materials for use in reinforcing rubber tires, industrial belting, and similar uses.

The data published with NAICS code 314992 include the following SIC industry:

2296 Tire cord and fabric

314999 All Other Miscellaneous Textile Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing textile products (except carpets and rugs; curtains and linens; textile bags and canvas products; rope, cordage, and twine; and tire cord and tire fabrics) from purchased materials.

The data published with NAICS code 314999 include the following SIC industries:

2299 Textile goods, n.e.c. (pt)

2395 Pleating and stitching (pt)

2396 Automotive and apparel trimmings (pt)

2399 Fabricated textile products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 314999 include establishments primarily engaged in the manufacture of other miscellaneous textile products from SIC 3999, but do not include establishments primarily engaged in the manufacture of dust rags or textile fire hoses, or engaged in the embroidery of advertising. The NAICS definitions will be fully implemented with the 2002 Economic Census.

315 Apparel Manufacturing

Industries in the Apparel Manufacturing subsector group establishments with two distinct manufacturing processes: (1) cut and sew (i.e., purchasing fabric and cutting and sewing to make a garment) and (2) the manufacture of garments in establishments that first knit fabric and then cut and sew the fabric into a garment. The Apparel Manufacturing subsector includes a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients are all included. Knitting, when done alone, is classified in the

Textile Mills subsector, but when knitting is combined with the production of complete garments, the activity is classified in Apparel Manufacturing.

3151 Apparel Knitting Mills

This industry group comprises establishments primarily engaged in knitting apparel or knitting fabric and then manufacturing apparel. This industry group includes jobbers performing entrepreneurial functions involved in knitting apparel and accessories. Knitting fabric, without manufacturing apparel, is classified in Subsector 313, Textile Mills.

31511 Hosiery and Sock Mills

This industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery and socks.

315111 Sheer Hosiery Mills

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing women's, misses', and girls' full-length and knee-length sheer hosiery (except socks).

The data published with NAICS code 315111 include the following SIC industries:

2251 Women's hosiery, except socks

2252 Hosiery, n.e.c. (pt)

315119 Other Hosiery and Sock Mills

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery (except women's, misses', and girls' sheer hosiery).

The data published with NAICS code 315119 include the following SIC industry:

2252 Hosiery, n.e.c. (pt)

31519 Other Apparel Knitting Mills

This industry comprises establishments primarily engaged in one of the following: (1) knitting underwear, outerwear, and/or nightwear; (2) knitting fabric and manufacturing underwear, outerwear, and/or nightwear; or (3) knitting, manufacturing, and finishing knit underwear, outerwear, and/or nightwear.

315191 Outerwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) knitting outerwear; (2) knitting fabric and manufacturing outerwear; and (3) knitting, manufacturing, and finishing knit outerwear. Examples of products made in knit outerwear mills are shirts, shorts, sweat suits, sweaters, gloves, and pants.

The data published with NAICS code 315191 include the following SIC industries:

2253 Knit outerwear mills

2259 Knitting mills, n.e.c. (pt)

3151911 Outerwear Knitting Mills – Manufacturer

Establishments primarily engaged in knitting outerwear clothing.

3151912 Outerwear Knitting Mills – Jobber

Establishments engaged as knit outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

3151913 Outerwear Knitting Mills – Contractor

Establishments primarily engaged in manufacturing knit outerwear on materials owned by others (commission basis).

315192 Underwear and Nightwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one of the following: (1) knitting underwear and nightwear; (2) knitting fabric and manufacturing underwear and nightwear; or (3) knitting, manufacturing, and finishing knit underwear and nightwear. Examples of products produced in underwear and nightwear knitting mills are briefs, underwear T-shirts, pajamas, nightshirts, foundation garments, and panties.

The data published with NAICS code 315192 include the following SIC industries:

2254 Knit underwear mills

2259 Knitting mills, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315192 do not include knitting mills primarily engaged in the manufacture of bath and lounge robes. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3152 Cut and Sew Apparel Manufacturing

This industry group comprises establishments primarily engaged in manufacturing cut and sew apparel from woven fabric or purchased knit fabric. Included in this industry group is a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel

manufacture; and tailors, manufacturing custom garments for individual clients. Establishments weaving or knitting fabric, without manufacturing apparel, are classified in Subsector 313, Textile Mills.

31521 Cut and Sew Apparel Contractors

This industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for apparel and accessories and/or (2) sewing materials owned by others for apparel and accessories.

315211 Men's and Boys' Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for men's and boys' apparel and/or (2) sewing materials owned by others for men's and boys' apparel.

The data published with NAICS code 315211 include the following SIC industries:

2311 Men's and boys' suits and coats (pt)

2321 Shirts, men's and boys' (pt)

2322 Men's and boys' underwear and nightwear (pt)

2325 Men's and boys' trousers and slacks (pt)

2326 Men's and boys' work clothing (pt)

2329 Men's and boys' clothing, n.e.c. (pt)

2341 Women's and children's underwear (pt)

2384 Robes and dressing gowns (pt)

2385 Waterproof outer garments (pt)

2395 Pleating and stitching (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315211 do not include establishments primarily engaged in cut and sew contract work for men's and boy's neckwear, hats, shirts, other outerwear, fur goods, dress and work gloves, leather gloves and mittens, leather and sheep-lined clothing, apparel belts, or apparel and accessories, nec. The NAICS definitions will be fully implemented with the 2002 Economic Census.

315212 Women's, Girls', and Infants' Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for women's, girls', and infants' apparel and accessories and/or (2) sewing materials owned by others for women's, girls', and infants' apparel and accessories.

The data published with NAICS code 315212 include the following SIC industries:

- 2331 Women's blouses and waists (pt)
- 2335 Women's dresses (pt)
- 2337 Women's suits and coats (pt)
- 2339 Women's outerwear, n.e.c. (pt)
- 2341 Women's and children's underwear (pt)
- 2342 Brassieres and allied garments (pt)
- 2361 Girls' and children's dresses and blouses (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2384 Robes and dressing gowns (pt)
- 2385 Waterproof outer garments (pt)
- 2389 Apparel and accessories, n.e.c. (pt)
- 2395 Pleating and stitching (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315212 do not include establishments primarily engaged in cut and sew contract work for women's, girls', and infants' hats; fur goods; dress and work gloves; leather gloves and mittens; leather and sheep-lined clothing; or apparel belts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31522 Men's and Boys' Cut and Sew Apparel Manufacturing

This industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew apparel from purchased fabric. Men's and boys' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315221 Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' underwear and nightwear from purchased fabric. Men's and boys' underwear and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are briefs, bathrobes, underwear T-shirts and shorts, nightshirts, and pajamas.

The data published with NAICS code 315221 include the following SIC industries:

- 2322 Men's and boys' underwear and nightwear (pt)
- 2341 Women's and children's underwear (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2384 Robes and dressing gowns (pt)

315222 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric. Men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315222 include the following SIC industries:

- 2311 Men's and boys' suits and coats (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2385 Waterproof outer garments (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315222 do not include establishments primarily engaged in custom tailoring.

3152221 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric.

3152222 - Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing - Jobber

Establishments engaged as men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315223 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric. Men's and boys' shirt (except

work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex outerwear shirts, such as T-shirts and sweatshirts that are sized without specific reference to gender (i.e., adult S, M, L, XL) are included in this industry.

The data published with NAICS code 315223 include the following SIC industries:

2321 Shirts, men's and boys' (pt)

2361 Girls' and children's dresses and blouses (pt)

3152231 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric.

3152232 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing – Jobber

Establishments engaged as men's and boys' shirt (except work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315224 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric. Men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315224 include the following SIC industries:

2325 Men's and boys' trousers and slacks (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

3152241 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric.

3152242 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing – Jobbers

Establishments engaged as men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315225 Men's and Boys' Cut and Sew Work Clothing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric. Men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are washable service apparel, laboratory coats, work shirts, work pants (except jeans and dungarees), and hospital apparel.

The data published with NAICS code 315225 include the following SIC industry:

2326 Men's and boys' work clothing (pt)

3152251 Men's and Boys' Cut and Sew Work Clothing Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric.

3152252 Men's and Boys' Cut and Sew Work Clothing Manufacturing – Jobbers

Establishments engaged as men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315228 Men's and Boys' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and work clothing). Men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples,

arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex sweat-pants and similar garments that are sized without specific reference to gender (i.e., adult S, M, L, XL) are also included in this industry. Examples of products made by these establishments are athletic clothing (except athletic uniforms), bathing suits, down coats, outerwear shorts, windbreakers and jackets, and jogging suits.

The data published with NAICS code 315228 include the following SIC industries:

2329 Men's and boys' clothing, n.e.c. (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

3152281 Men's and Boys' Cut and Sew Other Outerwear Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and working clothing).

3152282 Men's and Boys' Cut and Sew Other Outerwear Manufacturing – Jobbers

Establishments engaged as men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

31523 Women's and Girls' Cut and Sew Apparel Manufacturing

This industry comprises establishments primarily engaged in manufacturing women's and girls' apparel from purchased fabric. Women's and girls' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315231 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric. Women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their

materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathrobes, foundation garments, nightgowns, pajamas, panties, and slips.

The data published with NAICS code 315231 include the following SIC industries:

2341 Women's and children's underwear (pt)

2342 Brassieres and allied garments (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2384 Robes and dressing gowns (pt)

2389 Apparel and accessories, n.e.c. (pt)

3152311 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric.

3152312 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing – Jobbers

Establishments engaged as women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315232 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric. Women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315232 include the following SIC industries:

2331 Women's blouses and waists (pt)

2361 Girls' and children's dresses and blouses (pt)

3152321 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric.

3152322 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing – Jobbers

Establishments engaged as women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315233 Women's and Girls' Cut and Sew Dress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric. Women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315233 include the following SIC industries:

2335 Women's dresses (pt)

2361 Girls' and children's dresses and blouses (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315233 do not include establishments primarily engaged in custom tailoring.

3152331 Women's and Girls' Cut and Sew Dress Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric.

3152332 Women's and Girls' Cut and Sew Dress Manufacturing – Jobbers

Establishments engaged as women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315234 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric. Women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial

functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315234 include the following SIC industries:

2337 Women's suits and coats (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

3152341 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric.

3152342 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing – Jobbers

Establishments engaged as women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315239 Women's and Girls' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts). Women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathing suits, down coats, sweaters, jogging suits, outerwear pants and shorts, and windbreakers.

The data published with NAICS code 315239 include the following SIC industries:

2339 Women's outerwear, n.e.c. (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

3152391 Women's and Girls' Cut and Sew Other Outerwear Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts).

3152392 Women's and Girls' Cut and Sew Other Outerwear Manufacturing – Jobbers

Establishments engaged as women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

31529 Other Cut and Sew Apparel Manufacturing

This industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except men's, boys', women's, and girls' apparel). This industry includes establishments manufacturing apparel, such as fur apparel, leather apparel, infants' apparel, costumes, and clerical vestments.

315291 Infants' Cut and Sew Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. Infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

The data published with NAICS code 315291 include the following SIC industries:

- 2341 Women's and children's underwear (pt)
- 2361 Girls' and children's dresses and blouses (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2385 Waterproof outer garments (pt)

3152911 Infants' Cut and Sew Apparel Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

3152912 Infants' Cut and Sew Apparel Manufacturing – Jobbers

Establishments engaged as infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

315292 Fur and Leather Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew fur and leather apparel, and sheep-lined clothing. Fur and leather apparel jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315292 include the following SIC industries:

- 2371 Fur goods
- 2386 Leather and sheep-lined clothing

315299 All Other Cut and Sew Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Clothing jobbers for these products, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

The data published with NAICS code 315299 include the following SIC industries:

- 2329 Men's and boys' clothing, n.e.c. (pt)
- 2339 Women's outerwear, n.e.c. (pt)
- 2389 Apparel and accessories, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315299 do not include establishments primarily engaged in the manufacture of

waterproof rubber and plastic outerwear or rubber pants and raincoats. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3152991 All Other Cut and Sew Apparel Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3152992 All Other Cut and Sew Apparel Manufacturing – Jobbers

Establishments engaged as clothing jobbers (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel), who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel. Examples of these products are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3159 Apparel Accessories and Other Apparel Manufacturing

This industry group comprises establishments primarily engaged in manufacturing apparel accessories and other apparel (except apparel knitting mills, apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, infants' cut and sew apparel, fur and leather apparel, and all other cut and sew apparel). This industry group includes jobbers performing entrepreneurial functions involved in manufacturing apparel accessories.

31599 Apparel Accessories and Other Apparel Manufacturing

This industry comprises establishments primarily engaged in manufacturing apparel and accessories (except apparel knitting mills, cut and sew apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, and other cut and sew apparel). Jobbers, who perform entrepreneurial functions involved in apparel accessories manufacture, including buying raw materials, designing and preparing samples, arranging for

apparel accessories to be made from their materials, and marketing finished apparel accessories, are included. Examples of products made by these establishments are belts, caps, gloves (except medical, sporting, safety), hats, and neckties.

315991 Hat, Cap, and Millinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew hats, caps, millinery, and hat bodies from purchased fabric. Jobbers, who perform entrepreneurial functions involved in hat, cap, and millinery manufacture, including buying raw materials, designing and preparing samples, arranging for hats, caps, and millinery to be made from their materials, and marketing finished hats, caps, and millinery, are included.

The data published with NAICS code 315991 include the following SIC industry:

2353 Hats, caps, and millinery

315992 Glove and Mitten Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew gloves (except rubber, metal, and athletic gloves) and mittens from purchased fabric, fur, leather, or from combinations of fabric, fur, or leather. Jobbers, who perform entrepreneurial functions involved in glove and mitten manufacture, including buying raw materials, designing and preparing samples, arranging for gloves and mittens to be made from their materials, and marketing finished gloves and mittens, are included.

The data published with NAICS code 315992 include the following SIC industries:

2381 Fabric gloves and mittens

3151 Leather gloves and mittens

315993 Men's and Boys' Neckwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew neckties, scarves, and mufflers from purchased fabric, leather, or from combinations of leather and fabric. Men's and boys' neckwear jobbers, who perform entrepreneurial functions involved in neckwear manufacture, including buying raw materials, designing and preparing samples, arranging for neckwear to be made from their materials, and marketing finished neckwear, are included.

The data published with NAICS code 315993 include the following SIC industry:

2323 Men's and boys' neckwear

315999 Other Apparel Accessories and Other Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories (except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and

gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, suspenders, and waterproof outerwear.

The data published with NAICS code 315999 include the following SIC industries:

2339 Women's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

2387 Apparel belts

2389 Apparel and accessories, n.e.c. (pt)

2396 Automotive and apparel trimmings (pt)

2399 Fabricated textile products, n.e.c. (pt)

5699 Miscellaneous apparel and accessory stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315999 include establishments primarily engaged in custom tailoring but do not include establishments primarily engaged in the manufacture of rubber bibs, aprons, and bathing caps.

316 Leather and Allied Product Manufacturing

Establishments in the Leather and Allied Product Manufacturing subsector transform hides into leather by tanning or curing and fabricating the leather into products for final consumption. It also includes the manufacture of similar products from other materials, including products (except apparel) made from "leather substitutes," such as rubber, plastics, or textiles. Rubber footwear, textile luggage, and plastics purses or wallets are examples of "leather substitute" products included in this group. The products made from leather substitutes are included in this subsector because they are made in similar ways leather products are made (e.g., luggage). They are made in the same establishments, so it is not practical to separate them.

The inclusion of leather making in this subsector is partly because leather tanning is a relatively small industry that has few close neighbors as a production process, partly because leather is an input to some of the other products classified in this subsector and partly for historical reasons.

3161 Leather and Hide Tanning and Finishing

This NAICS industry group includes establishments classified in NAICS Industry 31611, Leather and Hide Tanning and Finishing.

31611 Leather and Hide Tanning and Finishing

This industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

316110 Leather and Hide Tanning and Finishing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

The data published with NAICS code 316110 include the following SIC industries:

3111 Leather tanning and finishing

3999 Manufacturing industries, n.e.c. (pt)

3162 Footwear Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31621, Footwear Manufacturing.

31621 Footwear Manufacturing

This industry comprises establishments primarily engaged in manufacturing footwear (except orthopedic extension footwear).

316211 Rubber and Plastics Footwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

The data published with NAICS code 316211 include the following SIC industry:

Rubber and plastics footwear

316212 House Slipper Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing house slippers and slipper socks, regardless of material.

The data published with NAICS code 316212 include the following SIC industry:

3142 House slippers

316213 Men's Footwear (Except Athletic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's footwear designed primarily for dress, street, and work. This industry includes men's shoes with rubber or plastics soles and leather or vinyl uppers.

The data published with NAICS code 316213 include the following SIC industry:

3143 Men's footwear, except athletic

316214 Women's Footwear (Except Athletic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's footwear designed for dress, street, and work. This industry includes women's shoes with rubber or plastics soles and leather or vinyl uppers.

The data published with NAICS code 316214 include the following SIC industry:

3144 Women's footwear, except athletic

316219 Other Footwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing other footwear (except rubber and plastics footwear; house slippers; men's footwear (except athletic); and women's footwear (except athletic)).

The data published with NAICS code 316219 include the following SIC industry:

3149 Footwear, except rubber, n.e.c.

3169 Other Leather and Allied Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31699, Other Leather and Allied Product Manufacturing.

31699 Other Leather and Allied Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

316991 Luggage Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing luggage of any material.

The data published with NAICS code 316991 include the following SIC industry:

3161 Luggage

316992 Women's Handbag and Purse Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's handbags and purses of any material (except precious metal).

The data published with NAICS code 316992 include the following SIC industry:

3171 Women's handbags and purses

316993 Personal Leather Goods (Except Women's Handbag and Purse) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing personal leather goods (i.e., small articles of any material (except metal) normally carried on or about the person or in a handbag). Examples of personal leather goods made by these establishments are billfolds, coin purses, key cases, toilet kits, and watchbands (except metal).

The data published with NAICS code 316993 include the following SIC industry:

3172 Personal leather goods, n.e.c.

316999 All Other Leather Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing leather goods (except footwear, luggage, handbags, purses, and personal leather goods).

The data published with NAICS code 316999 include the following SIC industries:

3131 Footwear cut stock and findings (pt)

3199 Leather goods, n.e.c.

321 Wood Product Manufacturing

Industries in the Wood Product Manufacturing subsector manufacture wood products, such as lumber, plywood, veneers, wood containers, wood flooring, wood trusses, manufactured homes (i.e., mobile home), and prefabricated wood buildings. The production processes of the Wood Product Manufacturing subsector include sawing, planing, shaping, laminating, and assembling of wood products starting from logs that are cut into bolts, or lumber that then may be further cut, or shaped by lathes or other shaping tools. The lumber or other transformed wood shapes may also be subsequently planed or smoothed, and assembled into finished products, such as wood containers.

The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

3211 Sawmills and Wood Preservation

This industry group comprises establishments whose primary production process begins with logs or bolts that are transformed into boards, dimension lumber, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips. Establishments that cut and treat round wood and/or treat wood products made in other establishments to prevent rotting by impregnation with creosote or other chemical compounds are also included in this industry group.

32111 Sawmills and Wood Preservation

This industry comprises establishments primarily engaged in one or more of the following: (1) sawing dimension lumber, boards, beams, timber, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts; (2) sawing round wood poles, pilings, and posts and treating them with preservatives; and (3) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives to prevent decay and to protect against fire and insects. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321113 Sawmills

This U.S. industry comprises establishments primarily engaged in sawing dimension lumber, boards, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

The data published with NAICS code 321113 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2429 Special product sawmills, n.e.c. (pt)

2439 Structural wood members, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 321113 include establishments primarily engaged in the manufacture of lumber members made from logs and bolts, but do not include establishments primarily engaged in the manufacture of hardwood dimension made from logs and bolts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

321114 Wood Preservation

This U.S. industry comprises establishments primarily engaged in (1) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives,

such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or (2) sawing round wood poles, pilings, and posts and treating them with preservatives.

The data published with NAICS code 321114 include the following SIC industry:

2491 Wood preserving

3212 Veneer, Plywood, and Engineered Wood Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 32121, Veneer, Plywood, and Engineered Wood Product Manufacturing.

32121 Veneer, Plywood, and Engineered Wood Product Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing veneer and/or plywood; (2) manufacturing engineered wood members; and (3) manufacturing reconstituted wood products. This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

321211 Hardwood Veneer and Plywood Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing hardwood veneer and/or hardwood plywood.

The data published with NAICS code 321211 include the following SIC industry:

2435 Hardwood veneer and plywood

321212 Softwood Veneer and Plywood Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing softwood veneer and/or softwood plywood.

The data published with NAICS code 321212 include the following SIC industry:

2436 Softwood veneer and plywood

321213 Engineered Wood Member (Except Truss) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated or laminated wood arches and/or other fabricated or laminated wood structural members.

The data published with NAICS code 321213 include the following SIC industry:

2439 Structural wood members, n.e.c. (pt)

321214 Truss Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laminated or fabricated wood roof and floor trusses.

The data published with NAICS code 321214 include the following SIC industry:

2439 Structural wood members, n.e.c. (pt)

321219 Reconstituted Wood Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing reconstituted wood sheets and boards.

The data published with NAICS code 321219 include the following SIC industry:

2493 Reconstituted wood products

3219 Other Wood Product Manufacturing

This industry group comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, or engineered wood products).

32191 Millwork

This industry comprises establishments primarily engaged in manufacturing hardwood and softwood cut stock and dimension stock (i.e., shapes); wood windows and wood doors; and other millwork including wood flooring. Dimension stock or cut stock is defined as lumber and worked wood products cut or shaped to specialized sizes. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

321911 Wood Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing window and door units, sash, window and door frames, and doors from wood or wood clad with metal or plastics.

The data published with NAICS code 321911 include the following SIC industry:

2431 Millwork (pt)

321912 Cut Stock, Resawing Lumber, and Planing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dimension lumber from purchased lumber; (2) manufacturing dimension stock (i.e., shapes) or cut stock; (3) resawing the output of sawmills; and (4) planing purchased lumber. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

The data published with NAICS code 321912 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2426 Hardwood dimension and flooring mills (pt)

2439 Structural wood members, n.e.c. (pt)

2499 Wood products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 321912 include establishments primarily engaged in the manufacture of hardwood dimension made from logs and bolts, lumber members made from purchased lumber, and semi-machined and fully-machined softwood dimension lumber, but do not include establishments primarily engaged in the manufacture of staves from purchased lumber. The NAICS definitions will be fully implemented with the 2002 Economic Census.

321918 Other Millwork (Including Flooring)

This U.S. industry comprises establishments primarily engaged in manufacturing millwork (except wood windows, wood doors, and cut stock).

The data published with NAICS code 321918 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2426 Hardwood dimension and flooring mills (pt)

2431 Millwork (pt)

32192 Wood Container and Pallet Manufacturing

This industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

321920 Wood Container and Pallet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

The data published with NAICS code 321920 include the following SIC industries:

2429 Special product sawmills, n.e.c. (pt)

2441 Nailed wood boxes & shoo

2448 Wood pallets and skids

2449 Wood containers, n.e.c.

2499 Wood products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 321920 include establishments primarily engaged in the manufacture of cooperage headings and staves made of purchased lumber. The NAICS definitions will be fully implemented with the 2002 Economic Census.

32199 All Other Wood Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, engineered wood products, millwork, wood containers, or pallets).

321991 Manufactured Home (Mobile Home) Manufacturing

This U.S. industry comprises establishments primarily engaged in making manufactured homes (i.e., mobile homes) and nonresidential mobile buildings. Manufactured homes are designed to accept permanent water, sewer, and utility connections and although equipped with wheels, they are not intended for regular highway movement.

The data published with NAICS code 321991 include the following SIC industry:

2451 Mobile homes

321992 Prefabricated Wood Building Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated wood buildings and wood sections and panels for prefabricated wood buildings.

The data published with NAICS code 321992 include the following SIC industry:

2452 Prefabricated wood buildings

321999 All Other Miscellaneous Wood Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and preservation facilities; establishments manufacturing veneer, engineered wood products, millwork, wood containers, pallets, and wood container parts; and establishments making manufactured homes (i.e., mobile homes) and prefabricated buildings and components).

The data published with NAICS code 321999 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2429 Special product sawmills, n.e.c. (pt)

2499 Wood products, n.e.c. (pt)

3131 Footwear cut stock and findings (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 321999 include establishments primarily engaged in the manufacture of wood cooling towers, but do not include establishments primarily engaged in the manufacture of finished metal moldings for mirrors and pictures, semi-machined and fully-machined softwood dimension, or cooperage headings. The NAICS definitions will be fully implemented with the 2002 Economic Census.

322 Paper Manufacturing

Industries in the Paper Manufacturing subsector make pulp, paper, or converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single establishment. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibers from other impurities in wood or used paper. The manufacturing of paper involves matting these fibers into a sheet. Converted paper products are made from paper and other materials by various cutting and shaping techniques and includes coating and laminating activities.

The Paper Manufacturing subsector is subdivided into two industry groups, the first for the manufacturing of pulp and paper and the second for the manufacturing of converted paper products. Paper making is treated as the core activity of the subsector. Therefore, any establishment that makes paper (including paperboard), either alone or in combination with pulp manufacturing or paper converting, is classified as a paper or paperboard mill. Establishments that make pulp without making paper are classified as pulp mills. Pulp mills, paper mills and paperboard mills comprise the first industry group.

Establishments that make products from purchased paper and other materials make up the second industry group, Converted Paper Product Manufacturing. This general activity is then subdivided based, for the most part, on process distinctions. Paperboard container manufacturing uses corrugating, cutting, and shaping machinery to form paperboard into containers. Paper bag and coated and treated paper manufacturing establishments cut and coat paper and foil. Stationery product manufacturing establishments make a variety of paper products used for writing, filing, and similar applications. Other converted paper product manufacturing includes, in particular, the conversion of sanitary paper stock into such things as tissue paper and disposable diapers.

An important process used in the Paper Bag and Coated and Treated Paper Manufacturing industry is lamination, often combined with coating. Lamination and coating makes a composite material with improved properties of strength, impermeability, and so on. The laminated materials may be paper, metal foil, or plastics film. While paper is often one of the components, it is not always. Lamination of plastics film to plastics film is classified in the NAICS Subsector 326, Plastics and Rubber Products Manufacturing, because establishments that do this often first make the film.

The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

Excluded from this subsector are photosensitive papers. These papers are chemically treated and are classified in Industry 32599, All Other Chemical Product and Preparation Manufacturing.

3221 Pulp, Paper, and Paperboard Mills

This industry group comprises establishments primarily engaged in manufacturing pulp, paper, or paperboard.

32211 Pulp Mills

This industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

322110 Pulp Mills

This U.S. industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

The data published with NAICS code 322110 include the following SIC industry:

2611 Pulp mills

32212 Paper Mills

This industry comprises establishments primarily engaged in manufacturing paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may convert the paper they make. The activity of making paper classifies an establishment into this industry regardless of the output.

322121 Paper (Except Newsprint) Mills

This U.S. industry comprises establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

The data published with NAICS code 322121 include the following SIC industries:

2621 Paper mills (pt)

2676 Sanitary paper products (pt)

3842 Surgical appliances and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 322121 include paper mills which convert sanitary paper stock into sanitary paper products, but do not include paper mills which are primarily engaged in the manufacture of other converted paper products. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3221211 Paper (Except Newsprint) Mills – Integrated Producer

Establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp in combination with pulp manufacture.

3221212 Paper (Except Newsprint) Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp not in combination with pulp manufacture.

322122 Newsprint Mills

This U.S. industry comprises establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

The data published with NAICS code 322122 include the following SIC industry:

2621 Paper mills (pt)

3221221 Newsprint Mills – Integrated Producer

Establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp in combination with pulp manufacture.

3221222 Newsprint Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp not in combination with pulp manufacture.

32213 Paperboard Mills

This industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

322130 Paperboard Mills

This U.S. industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

The data published with NAICS code 322130 include the following SIC industry:

2631 Paperboard mills

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 322130 do not include paperboard mills primarily engaged in converting paperboard into paperboard products. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3221301 Paperboard Mills – Integrated Producer

Establishments primarily engaged in manufacturing paperboard from pulp in combination with pulp manufacture.

3221302 Paperboard Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing paperboard from pulp not in combination with pulp manufacture or paperboard converting.

3222 Converted Paper Product Manufacturing

This industry group comprises establishments primarily engaged in converting paper or paperboard without manufacturing paper or paperboard.

32221 Paperboard Container Manufacturing

This industry comprises establishments primarily engaged in converting paperboard into containers without manufacturing paperboard. These establishments use corrugating, cutting, and shaping machinery to form paperboard into containers. Products made by these establishments include boxes; corrugated sheets, pads, and pallets; paper dishes; and fiber drums and reels.

322211 Corrugated and Solid Fiber Box Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating purchased paper or paperboard into corrugated or solid fiber boxes and related products, such as pads, partitions, pallets, and corrugated paper without manufacturing paperboard. These boxes are generally used for shipping.

The data published with NAICS code 322211 include the following SIC industry:

2653 Corrugated and solid fiber boxes

322212 Folding Paperboard Box Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard (except corrugated) into folding paperboard boxes without manufacturing paper and paperboard.

The data published with NAICS code 322212 include the following SIC industry:

2657 Folding paperboard boxes

322213 Setup Paperboard Box Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard into setup paperboard boxes (i.e., rigid-sided boxes not shipped flat) without manufacturing paperboard.

The data published with NAICS code 322213 include the following SIC industry:

2652 Setup paperboard boxes

322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard into fiber cans, tubes, drums, and similar products without manufacturing paperboard.

The data published with NAICS code 322214 include the following SIC industry:

2655 Fiber cans, drums, and similar products

322215 Nonfolding Sanitary Food Container Manufacturing

This U.S. industry comprises establishments primarily engaged in converting sanitary foodboard into food containers (except folding).

The data published with NAICS code 322215 include the following SIC industry:

2656 Sanitary food containers

32222 Paper Bag and Coated and Treated Paper Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) cutting and coating paper and paperboard; (2) cutting and laminating paper and paperboard and other flexible materials (except plastics film to plastics film); (3) manufacturing bags or multiwall bags or sacks of paper, metal foil, coated paper, or laminates or coated combinations of paper and foil with plastics film; (4) manufacturing laminated aluminum and other converted metal foils from purchased foils; and (5) surface coating paper or paperboard.

322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with the manufacturing of packaging materials: (1) cutting and coating paper; and (2) cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates). The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

The data published with NAICS code 322221 include the following SIC industry:

2671 Paper - coated and laminated, packaging (pt)

322222 Coated and Laminated Paper Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with making products designed for purposes other than packaging: (1) cutting and coating paper; (2) cutting and laminating paper and other flexible materials (except plastics film to plastics film); and (3) manufacturing converted aluminum and other metal foils for non-packaging uses from purchased foils. The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

The data published with NAICS code 322222 include the following SIC industries:

2672 Paper - coated and laminated, n.e.c.

2679 Converted paper products, n.e.c. (pt)

322223 Plastics, Foil, and Coated Paper Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bags of coated paper, of metal foil, or of laminated or coated combinations of plastics, foil, and paper, whether or not printed.

The data published with NAICS code 322223 include the following SIC industry:

2673 Bags - plastics, laminated, and coated (pt)

322224 Uncoated Paper and Multiwall Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing uncoated paper bags or multiwall bags and sacks.

The data published with NAICS code 322224 include the following SIC industry:

2674 Bags - uncoated paper and multiwall

322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses

This U.S. industry comprises establishments primarily engaged in laminating aluminum and other metal foil into products with flexible packaging uses or gift wrap and other packaging wrap applications.

The data published with NAICS code 322225 include the following SIC industry:

3497 Metal foil and leaf (pt)

322226 Surface-Coated Paperboard Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating, lining, or surface coating purchased paperboard to make other paperboard products.

The data published with NAICS code 322226 include the following SIC industry:

2675 Die-cut paper and board (pt)

32223 Stationery Product Manufacturing

This industry comprises establishments primarily engaged in converting paper or paperboard into products used for writing, filing, art work, and similar applications.

322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper rollstock or paperboard into die-cut paper or paperboard office supplies. For the purpose of this industry, office supplies are defined as office products, such as filing folders, index cards, rolls for adding machines, file separators and dividers, tabulating cards, and other paper and paperboard office supplies.

The data published with NAICS code 322231 include the following SIC industries:

2675 Die-cut paper and board (pt)

2679 Converted paper products, n.e.c. (pt)

322232 Envelope Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing envelopes for mailing or stationery of any material including combinations.

The data published with NAICS code 322232 include the following SIC industry:

2677 Envelopes

322233 Stationery, Tablet, and Related Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper and paperboard into products used for writing and similar applications (e.g., loose-leaf fillers, notebooks, pads, stationery, tablets).

The data published with NAICS code 322233 include the following SIC industry:

2678 Stationery products

32229 Other Converted Paper Product Manufacturing

This industry comprises establishments primarily engaged in (1) converting paper and paperboard into products (except containers, bags, coated and treated paper and paperboard, and stationery products), or (2) converting pulp into pulp products, such as disposable diapers, or molded pulp egg cartons, food trays, and dishes. Processes used include laminating or lining purchased paper or paperboard.

322291 Sanitary Paper Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting purchased sanitary paper stock or wadding into sanitary paper products, such as facial tissues and handkerchiefs, table napkins, toilet paper, towels, disposable diapers, sanitary napkins, and tampons.

The data published with NAICS code 322291 include the following SIC industries:

2676 Sanitary paper products (pt)

3842 Surgical appliances and supplies (pt)

322299 All Other Converted Paper Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper or paperboard into products (except containers, bags, coated and treated paper, stationery products, and sanitary paper products) or converting pulp into pulp products, such as egg cartons, food trays, and other food containers from molded pulp.

The data published with NAICS code 322299 include the following SIC industries:

2675 Die-cut paper and board (pt)

2679 Converted paper products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

323 Printing and Related Support Activities

Industries in the Printing and Related Support Activities subsector print products, such as newspapers, books, periodicals, business forms, greeting cards, and other materials, and perform support activities, such as book-binding, platemaking services, and data imaging. The support activities included here are an integral part of the printing industry, and a product (a printing plate, a bound book, or a computer disk or file) that is an integral part of the printing industry is almost always provided by these operations.

Processes used in printing include a variety of methods used to transfer an image from a plate, screen, or computer file to some medium, such as paper, plastics, metal, textile articles, or wood. The most prominent of these methods is to transfer the image from a plate or screen to the medium (lithographic, gravure, screen, and flexographic printing). A rapidly growing new technology uses a computer file to directly “drive” the printing mechanism to create the image and new electrostatic and other types of equipment (digital or nonimpact printing).

In contrast to many other classification systems that locate publishing of printed materials in manufacturing, NAICS classifies the publishing of printed products in Subsector 511, Publishing Industries. Though printing and publishing are often carried out by the same enterprise (a newspaper, for example), it is less and less the case that these distinct activities are carried out in the same establishment. When publishing and printing are done in the same establishment, the establishment is classified in Sector 51, Information, in the appropriate NAICS industry even if the receipts for printing exceed those for publishing.

This subsector includes printing on clothing because the production process for that activity is printing, not clothing manufacturing. For instance, the printing of T-shirts is included in this subsector. In contrast, printing on fabric (or grey goods) is not included. This activity is part of the process of finishing the fabric and is included in the NAICS Textile Mills subsector in Industry 31331, Textile and Fabric Finishing Mills.

3231 Printing and Related Support Activities

This NAICS industry group includes establishments classified in the following NAICS Industries: 32311, Printing; and 32312, Support Activities for Printing.

32311 Printing

This industry comprises establishments primarily engaged in printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods). The printing processes employed include, but are not limited to, lithographic, gravure, screen, flexographic, digital, and letterpress. Establishments in this industry do not manufacture the stock that they print but may perform postprinting activities, such as bending, cutting, or laminating the materials they print, and mailing.

323110 Commercial Lithographic Printing

This U.S. industry comprises establishments primarily engaged in lithographic (i.e., offset) printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in lithographic printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

The data published with NAICS code 3231 10 include the following SIC industries:

- 2752 Commercial printing, lithographic (pt)
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323111 Commercial Gravure Printing

This U.S. industry comprises establishments primarily engaged in gravure printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in gravure printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

The data published with NAICS code 3231 11 include the following SIC industries:

- 2754 Commercial printing, gravure
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323112 Commercial Flexographic Printing

This U.S. industry comprises establishments primarily engaged in flexographic printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in flexographic printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

The data published with NAICS code 3231 12 include the following SIC industries:

- 2759 Commercial printing, n.e.c. (pt)
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323113 Commercial Screen Printing

This U.S. industry comprises establishments primarily engaged in screen printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in screen printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis. Establishments primarily engaged in printing on apparel and textile products, such as T-shirts, caps, jackets, towels, and napkins, are included in this industry.

The data published with NAICS code 3231 13 include the following SIC industries:

- 2396 Automotive and apparel trimmings (pt)
- 2759 Commercial printing, n.e.c. (pt)
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323114 Quick Printing

This U.S. industry comprises establishments primarily engaged in traditional printing activities, such as short-run offset printing or prepress services, in combination with providing document photocopying service. Prepress services include receiving documents in electronic format and directly duplicating from the electronic file and formatting, colorizing, and otherwise modifying the original document to improve presentation. These establishments, known as quick printers, generally provide short-run printing and copying with fast turnaround times.

The data published with NAICS code 3231 14 include the following SIC industries:

- 2752 Commercial printing, lithographic (pt)
- 2759 Commercial printing, n.e.c. (pt)

323115 Digital Printing

This U.S. industry comprises establishments primarily engaged in printing graphical materials using digital printing equipment. Establishments known as digital printers typically provide sophisticated prepress services including using scanners to input images and computers to manipulate and format the graphic images prior to printing.

The data published with NAICS code 3231 15 include the following SIC industry:

- 2759 Commercial printing, n.e.c. (pt)

323116 Manifold Business Form Printing

This U.S. industry comprises establishments primarily engaged in printing special forms, including checkbooks, for use in the operation of a business. The forms may be in single and multiple sets, including carbonized, interleaved with carbon, or otherwise processed for multiple reproduction.

The data published with NAICS code 3231 16 include the following SIC industries:

- 2761 Manifold business forms
- 2782 Blankbooks and looseleaf binders (pt)

323117 Book Printing

This U.S. industry comprises establishments primarily engaged in printing or printing and binding books and pamphlets without publishing.

The data published with NAICS code 3231 17 include the following SIC industry:

- 2732 Book printing

323118 Blankbook, Looseleaf Binders, and Devices Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing blankbooks, looseleaf devices, and binders. Establishments in this industry may print or print and bind.

The data published with NAICS code 323118 include the following SIC industry:

2782 Blankbooks and looseleaf binders (pt)

323119 Other Commercial Printing

This U.S. industry comprises establishments primarily engaged in commercial printing (except lithographic, gravure, screen, or flexographic printing) without publishing (except books, grey goods, and manifold business forms). Printing processes included in this industry are letterpress printing and engraving printing. This industry includes establishments engaged in commercial printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

The data published with NAICS code 323119 include the following SIC industries:

2759 Commercial printing, n.e.c. (pt)

2771 Greeting cards (pt)

3999 Manufacturing industries, n.e.c. (pt)

32312 Support Activities for Printing

This industry comprises establishments primarily engaged in performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

323121 Tradebinding and Related Work

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tradebinding; (2) sample mounting; and (3) postpress services (e.g., book or paper bronzing, die-cutting, edging, embossing, folding, gilding, gluing, indexing).

The data published with NAICS code 323121 include the following SIC industry:

2789 Bookbinding and related work

323122 Prepress Services

This U.S. industry comprises (1) establishments primarily engaged in prepress services, such as imagesetting or typesetting, for printers and (2) establishments primarily engaged in preparing film or plates for printing purposes.

The data published with NAICS code 323122 include the following SIC industries:

2791 Typesetting

2796 Platemaking services

324 Petroleum and Coal Products Manufacturing

The Petroleum and Coal Products Manufacturing subsector is based on the transformation of crude petroleum and coal into usable products. The dominant process is

petroleum refining that involves the separation of crude petroleum into component products through such techniques as cracking and distillation.

In addition, this subsector includes establishments that primarily further process refined petroleum and coal products and produce products, such as asphalt coatings and petroleum lubricating oils. However, establishments that manufacture petrochemicals from refined petroleum are classified in Industry 32511, Petrochemical Manufacturing.

3241 Petroleum and Coal Products Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32411, Petroleum Refineries; 32412, Asphalt Paving, Roofing, and Saturated Materials Manufacturing; and 32419, Other Petroleum and Coal Products Manufacturing.

32411 Petroleum Refineries

This industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities: (1) fractionation; (2) straight distillation of crude oil; and (3) cracking.

324110 Petroleum Refineries

This U.S. industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities: (1) fractionation; (2) straight distillation of crude oil; and (3) cracking.

The data published with NAICS code 324110 include the following SIC industry:

2911 Petroleum refining

32412 Asphalt Paving, Roofing, and Saturated Materials Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or (2) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

32412 Asphalt Paving, Roofing, and Saturated Materials Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or (2) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

324121 Asphalt Paving Mixture and Block Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing asphalt and tar paving mixtures and blocks from purchased asphaltic materials.

The data published with NAICS code 324121 include the following SIC industry:

2951 Asphalt paving mixtures and blocks

324122 Asphalt Shingle and Coating Materials Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and (2) manufacturing asphalt and tar and roofing cements and coatings from purchased asphaltic materials.

The data published with NAICS code 324122 include the following SIC industry:

2952 Asphalt felts and coatings

32419 Other Petroleum and Coal Products Manufacturing

This industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing, and saturated materials) from refined petroleum or coal products made in coke ovens not integrated with a steel mill.

324191 Petroleum Lubricating Oil and Grease Manufacturing

This U.S. industry comprises establishments primarily engaged in blending or compounding refined petroleum to make lubricating oils and greases and/or re-refining used petroleum lubricating oils.

The data published with NAICS code 324191 include the following SIC industry:

2992 Lubricating oils and greases

324199 All Other Petroleum and Coal Products Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing, and saturated materials and lubricating oils and greases) from refined petroleum and coal products made in coke ovens not integrated with a steel mill.

The data published with NAICS code 324199 include the following SIC industries:

2999 Petroleum and coal products, n.e.c.

3312 Blast furnaces and steel mills (pt)

325 Chemical Manufacturing

The Chemical Manufacturing subsector is based on the transformation of organic and inorganic raw materials by a chemical process and the formulation of products. This subsector distinguishes the production of basic chemicals that comprise the first industry group from the production of intermediate and end products produced by further processing of basic chemicals that make up the remaining industry groups.

This subsector does not include all industries transforming raw materials by a chemical process. It is common for some chemical processing to occur during mining operations. These beneficiating operations, such as copper concentrating, are classified in Sector 21, Mining. Furthermore, the refining of crude petroleum is included in Subsector 324, Petroleum and Coal Products Manufacturing. In addition, the manufacturing of aluminum oxide is included in Subsector 331, Primary Metal Manufacturing; and beverage distilleries are classified in Subsector 312, Beverage and Tobacco Product Manufacturing. As in the case of these two activities, the grouping of industries into subsectors may take into account the association of the activities performed with other activities in the subsector.

3251 Basic Chemical Manufacturing

This industry group comprises establishments primarily engaged in manufacturing chemicals using basic processes, such as thermal cracking and distillation. Chemicals manufactured in this industry group are usually separate chemical elements or separate chemically-defined compounds.

32511 Petrochemical Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or (2) manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

325110 Petrochemical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or (2) manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

The data published with NAICS code 325110 include the following SIC industries:

2865 Cyclic crudes and intermediates (pt)

2869 Industrial organic chemicals, n.e.c. (pt)

32512 Industrial Gas Manufacturing

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

325120 Industrial Gas Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

The data published with NAICS code 325120 include the following SIC industries:

2813 Industrial gases

2869 Industrial organic chemicals, n.e.c. (pt)

32513 Synthetic Dye and Pigment Manufacturing

This industry comprises establishments primarily engaged in manufacturing synthetic organic and inorganic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

325131 Inorganic Dye and Pigment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing inorganic dyes and pigments.

The data published with NAICS code 325131 include the following SIC industries:

2816 Inorganic pigments (pt)

2819 Industrial inorganic chemicals, n.e.c. (pt)

325132 Synthetic Organic Dye and Pigment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing synthetic organic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

The data published with NAICS code 325132 include the following SIC industry:

2865 Cyclic crudes and intermediates (pt)

32518 Other Basic Inorganic Chemical Manufacturing

This industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases and synthetic dyes and pigments).

325181 Alkalies and Chlorine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing chlorine, sodium hydroxide (i.e., caustic soda), and other alkalies often using an electrolysis process.

The data published with NAICS code 325181 include the following SIC industry:

2812 Alkalies and chlorine

325182 Carbon Black Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon black, bone black, and lamp black.

The data published with NAICS code 325182 include the following SIC industries:

2816 Inorganic pigments (pt)

2895 Carbon black

325188 All Other Basic Inorganic Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases, inorganic dyes and pigments, alkalies and chlorine, and carbon black).

The data published with NAICS code 325188 include the following SIC industries:

2819 Industrial inorganic chemicals, n.e.c. (pt)

2869 Industrial organic chemicals, n.e.c. (pt)

32519 Other Basic Organic Chemical Manufacturing

This industry comprises establishments primarily engaged in manufacturing basic organic chemicals (except petrochemicals, industrial gases, and synthetic dyes and pigments).

325191 Gum and Wood Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) distilling wood or gum into products, such as tall oil and wood distillates, and (2) manufacturing wood or gum chemicals, such as naval stores, natural tanning materials, charcoal briquettes, and charcoal (except activated).

The data published with NAICS code 325191 include the following SIC industry:

2861 Gum and wood chemicals

325192 Cyclic Crude and Intermediate Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) distilling coal tars and/or (2) manufacturing cyclic crudes or cyclic intermediates (i.e., hydrocarbons, except aromatic petrochemicals) from refined petroleum or natural gas.

The data published with NAICS code 325192 include the following SIC industry:

2865 Cyclic crudes and intermediates (pt)

325193 Ethyl Alcohol Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpotable ethyl alcohol.

The data published with NAICS code 325193 include the following SIC industry:

2869 Industrial organic chemicals, n.e.c. (pt)

325199 All Other Basic Organic Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing basic organic chemical products (except aromatic petrochemicals, industrial gases, synthetic organic dyes and pigments, gum and wood chemicals, cyclic crudes and intermediates, and ethyl alcohol).

The data published with NAICS code 325199 include the following SIC industries:

2869 Industrial organic chemicals, n.e.c. (pt)

2899 Chemical preparations, n.e.c. (pt)

3252 Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing

32521 Resin and Synthetic Rubber Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers and mixing and blending resins on a custom basis; (2) manufacturing noncustomized synthetic resins; and (3) manufacturing synthetic rubber.

325211 Plastics Material and Resin Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or (2) manufacturing noncustomized synthetic resins.

The data published with NAICS code 325211 include the following SIC industry:

2821 Plastics materials and resins

325212 Synthetic Rubber Manufacturing

This U.S. industry consists of establishments primarily engaged in manufacturing synthetic rubber.

The data published with NAICS code 325212 include the following SIC industry:

2822 Synthetic rubber

32522 Artificial and Synthetic Fibers and Filaments Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing cellulosic (i.e., rayon and acetate) and noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing cellulosic and noncellulosic fibers and filaments.

325221 Cellulosic Organic Fiber Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing cellulosic fibers and filaments.

The data published with NAICS code 325221 include the following SIC industry:

2823 Cellulosic manmade fibers

325222 Noncellulosic Organic Fiber Manufacturing

This U.S. industry consists of establishments primarily engaged in (1) manufacturing noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing noncellulosic fibers and filaments.

The data published with NAICS code 325222 include the following SIC industry:

2824 Organic fibers, noncellulosic

3253 Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32531, Fertilizer Manufacturing; and 32532, Pesticide and Other Agricultural Chemical Manufacturing.

32531 Fertilizer Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous or phosphatic fertilizer materials; (2) manufacturing fertilizers from sewage or animal waste; (3) manufacturing nitrogenous or phosphatic materials and mixing with other ingredients into fertilizers; and (4) mixing ingredients made elsewhere into fertilizers.

325311 Nitrogenous Fertilizer Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous fertilizer materials and mixing ingredients

into fertilizers; (2) manufacturing fertilizers from sewage or animal waste; and (3) manufacturing nitrogenous materials and mixing them into fertilizers.

The data published with NAICS code 325311 include the following SIC industry:

2873 Nitrogenous fertilizers

325312 Phosphatic Fertilizer Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing phosphatic fertilizer materials or (2) manufacturing phosphatic materials and mixing them into fertilizers.

The data published with NAICS code 325312 include the following SIC industry:

2874 Phosphatic fertilizers

325314 Fertilizer (Mixing Only) Manufacturing

This U.S. industry comprises establishments primarily engaged in mixing ingredients made elsewhere into fertilizers.

The data published with NAICS code 325314 include the following SIC industry:

2875 Fertilizers, mixing only

32532 Pesticide and Other Agricultural Chemical Manufacturing

This industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

325320 Pesticide and Other Agricultural Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

The data published with NAICS code 325320 include the following SIC industry:

2879 Agricultural chemicals, n.e.c.

3254 Pharmaceutical and Medicine Manufacturing

This NAICS industry group includes establishments classified in Industry 32541, Pharmaceutical and Medicine Manufacturing.

32541 Pharmaceutical and Medicine Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing biological and medicinal products; (2) processing (i.e., grading, grinding, and milling) botanical drugs and herbs; (3) isolating active medicinal principals from botanical drugs and herbs; and (4) manufacturing pharmaceutical

products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325411 Medicinal and Botanical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing uncompounded medicinal chemicals and their derivatives (i.e., generally for use by pharmaceutical preparation manufacturers) and/or (2) grading, grinding, and milling uncompounded botanicals.

The data published with NAICS code 325411 include the following SIC industry:

2833 Medicinals and botanicals

325412 Pharmaceutical Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing in-vivo diagnostic substances and pharmaceutical preparations (except biological) intended for internal and external consumption in dose forms, such as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

The data published with NAICS code 325412 include the following SIC industries:

2834 Pharmaceutical preparations

2835 Diagnostic substances (pt)

325413 In-Vitro Diagnostic Substance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing in-vitro (i.e., not taken internally) diagnostic substances, such as chemical, biological, or radioactive substances. The substances are used for diagnostic tests that are performed in test tubes, petri dishes, machines, and other diagnostic test-type devices.

The data published with NAICS code 325413 include the following SIC industry:

2835 Diagnostic substances (pt)

325414 Biological Product (Except Diagnostic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vaccines, toxoids, blood fractions, and culture media of plant or animal origin (except diagnostic).

The data published with NAICS code 325414 include the following SIC industry:

2836 Biological products, except diagnostic

3255 Paint, Coating, and Adhesive Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32551, Paint and Coating Manufacturing; and 32552, Adhesive Manufacturing.

32551 Paint and Coating Manufacturing

This industry comprises establishments primarily engaged in (1) mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or (2) manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

325510 Paint and Coating Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or (2) manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

The data published with NAICS code 325510 include the following SIC industries:

2851 Paints and allied products

2899 Chemical preparations, n.e.c. (pt)

32552 Adhesive Manufacturing

This industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

325520 Adhesive Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

The data published with NAICS code 325520 include the following SIC industry:

2891 Adhesives and sealants

3256 Soap, Cleaning Compound, and Toilet Preparation Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32561, Soap and Cleaning Compound Manufacturing; and 32562, Toilet Preparation Manufacturing.

32561 Soap and Cleaning Compound Manufacturing

This industry comprises establishments primarily engaged in manufacturing and packaging soap and other cleaning compounds, surface active agents, and textile and leather finishing agents used to reduce tension or speed the drying process.

325611 Soap and Other Detergent Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging soaps and other detergents, such as laundry detergents; dishwashing detergents; toothpaste gels and tooth powders; and natural glycerin.

The data published with NAICS code 325611 include the following SIC industries:

2841 Soap and other detergents

2844 Toilet preparations (pt)

325612 Polish and Other Sanitation Good Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging polishes and specialty cleaning preparations.

The data published with NAICS code 325612 include the following SIC industry:

2842 Polishes and sanitation goods

325613 Surface Active Agent Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or (2) manufacturing textiles and leather finishing agents used to reduce tension or speed the drying process.

The data published with NAICS code 325613 include the following SIC industry:

2843 Surface active agents

32562 Toilet Preparation Manufacturing

This industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

325620 Toilet Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

The data published with NAICS code 325620 include the following SIC industry:

2844 Toilet preparations (pt)

3259 Other Chemical Product Manufacturing

This industry group comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals; resins, synthetic rubber, cellulosic and

noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soaps and cleaning compounds; and toilet preparations).

32591 Printing Ink Manufacturing

This industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

325910 Printing Ink Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

The data published with NAICS code 325910 include the following SIC industry:

2893 Printing ink

32592 Explosives Manufacturing

This industry comprises establishments primarily engaged in manufacturing explosives.

325920 Explosives Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing explosives.

The data published with NAICS code 325920 include the following SIC industry:

2892 Explosives

32599 All Other Chemical Product and Preparation Manufacturing

This industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, and synthetic rubber; cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; and soaps, cleaning compounds, and toilet preparations; printing inks; and explosives).

325991 Custom Compounding of Purchased Resins

This U.S. industry comprises establishments primarily engaged in (1) custom mixing and blending plastics resins made elsewhere or (2) reformulating plastics resins from recycled plastics products.

The data published with NAICS code 325991 include the following SIC industries:

3087 Custom compound purchased resins

325992 Photographic Film, Paper, Plate, and Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sensitized film, sensitized paper, sensitized cloth, sensitized plates, toners (i.e., for photocopiers, laser printers, and similar electrostatic printing devices), toner cartridges, and photographic chemicals.

The data published with NAICS code 325992 include the following SIC industry:

3861 Photographic equipment and supplies (pt)

325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, synthetic rubber; cellulosic and noncellulosic fiber and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soap, cleaning compounds, and toilet preparations; printing inks; explosives; custom compounding of purchased resins; and photographic films, papers, plates, and chemicals).

The data published with NAICS code 325998 include the following SIC industries:

2819 Industrial inorganic chemicals, n.e.c. (pt)

2899 Chemical preparations, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 325998 do not include establishments primarily engaged in aerosol packaging. The NAICS definitions will be fully implemented with the 2002 Economic Census.

326 Plastics and Rubber Products Manufacturing

Industries in the Plastics and Rubber Products Manufacturing subsector make goods by processing plastics materials and raw rubber. The core technology employed by establishments in this subsector is that of plastics or rubber product production. Plastics and rubber are combined in the same subsector because plastics are increasingly being used as a substitute for rubber; however, the subsector is generally restricted to the production of products made of just one material, either solely plastics or rubber.

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products

involves more than one material. In these cases, technologies that allow disparate materials to be formed and combined are of central importance in describing the manufacturing activity. In NAICS, such activities (the footwear and furniture manufacturing) are not classified in the Plastics and Rubber Products Manufacturing subsector because the core technologies for these activities are diverse and involve multiple materials.

Within the Plastics and Rubber Products Manufacturing subsector, a distinction is made between plastics and rubber products at the industry group level, although it is not a rigid distinction, as can be seen from the definition of Industry 32622, Rubber and Plastics Hose and Belting Manufacturing. As materials technology progresses, plastics are increasingly being used as a substitute for rubber; and eventually, the distinction may disappear as a basis for establishment classification.

In keeping with the core technology focus of plastics, lamination of plastics film to plastics film as well as the production of bags from plastics only is classified in this subsector. Lamination and bag production involving plastics and materials other than plastics are classified in the NAICS Subsector 322, Paper Manufacturing.

3261 Plastics Product Manufacturing

This industry group comprises establishments primarily engaged in processing new or spent (i.e., recycled) plastics resins into intermediate or final products, using such processes as compression molding; extrusion molding; injection molding; blow molding; and casting. Within most of these industries, the production process is such that a wide variety of products can be made.

32611 Unsupported Plastics Film, Sheet, and Bag Manufacturing

This industry comprises establishments primarily engaged in (1) converting plastics resins into unsupported plastics film and sheet and/or (2) forming, coating, or laminating plastics film and sheet into plastics bags.

326111 Unsupported Plastics Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) converting plastics resins into plastics bags or (2) forming, coating, or laminating plastics film and sheet into single wall or multiwall plastics bags. Establishments in this industry may print on the bags they manufacture.

The data published with NAICS code 326111 include the following SIC industry:

2673 Bags - plastics, laminated, and coated (pt)

326112 Unsupported Plastics Packaging Film and Sheet Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics packaging (flexible) film and packaging sheet.

The data published with NAICS code 326112 include the following SIC industry:

2671 Paper - coated and laminated, packaging (pt)

326113 Unsupported Plastics Film and Sheet (Except Packaging) Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics film and unlaminated sheet (except packaging).

The data published with NAICS code 326113 include the following SIC industry:

3081 Unsupported plastics film and sheet

32612 Plastics Pipe, Pipe Fitting, and Unsupported Profile Shape Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics pipes and pipe fittings, and plastics profile shapes such as rod, tube, and sausage casings.

326121 Unsupported Plastics Profile Shapes Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into nonrigid plastics profile shapes (except film, sheet, and bags), such as rod, tube, and sausage casings.

The data published with NAICS code 326121 include the following SIC industry:

3082 Unsupported plastics profile shapes

326122 Plastics Pipe and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into rigid plastics pipes and pipe fittings.

The data published with NAICS code 326122 include the following SIC industries:

3084 Plastics pipe

3089 Plastics products, n.e.c. (pt)

32613 Laminated Plastics Plate, Sheet, and Shape Manufacturing

This industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

326130 Laminated Plastics Plate, Sheet, and Shape Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

The data published with NAICS code 326130 include the following SIC industry:

3083 Laminated plastics plate and sheet

32614 Polystyrene Foam Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

326140 Polystyrene Foam Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

The data published with NAICS code 326140 include the following SIC industry:

3086 Plastics foam products (pt)

32615 Urethane and Other Foam Product (Except Polystyrene) Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

326150 Urethane and Other Foam Product (Except Polystyrene) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

The data published with NAICS code 326150 include the following SIC industry:

3086 Plastics foam products (pt)

32616 Plastics Bottle Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics bottles.

326160 Plastics Bottle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics bottles.

The data published with NAICS code 326160 include the following SIC industry:

3085 Plastics bottles

32619 Other Plastics Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing resilient floor covering and other plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, and bottles).

326191 Plastics Plumbing Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics or fiberglass plumbing fixtures. Examples of products made by these establishments are plastics or fiberglass bathtubs, hot tubs, portable toilets, and shower stalls.

The data published with NAICS code 326191 include the following SIC industry:

3088 Plastics plumbing fixtures

326192 Resilient Floor Covering Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing resilient floor coverings for permanent installation.

The data published with NAICS code 326192 include the following SIC industries:

3069 Fabricated rubber products, n.e.c. (pt)

3996 Hard surface floor coverings

326199 All Other Plastics Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, bottles, plumbing fixtures, and resilient floor coverings).

The data published with NAICS code 326199 include the following SIC industries:

3089 Plastics products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 326199 include establishments primarily engaged in the manufacture of plastic furniture parts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3262 Rubber Product Manufacturing

This industry group comprises establishments primarily engaged in processing natural and synthetic or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

32621 Tire Manufacturing

This industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber and retreading or rebuilding tires.

326211 Tire Manufacturing (Except Retreading)

This U.S. industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

The data published with NAICS code 326211 include the following SIC industry:

3011 Tires and inner tubes

326212 Tire Retreading

This U.S. industry comprises establishments primarily engaged in retreading, or rebuilding tires.

The data published with NAICS code 326212 include the following SIC industry:

7534 Tire retreading and repair shops (pt)

32622 Rubber and Plastics Hoses and Belting Manufacturing

This industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

326220 Rubber and Plastics Hoses and Belting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

The data published with NAICS code 326220 include the following SIC industry:

3052 Rubber and plastics hose and belting

32629 Other Rubber Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing rubber products (except tires, hoses, and belting) from natural and synthetic rubber.

326291 Rubber Product Manufacturing for Mechanical Use

This U.S. industry comprises establishments primarily engaged in molding, extruding, or lathe-cutting rubber to manufacture rubber goods (except tubing) for mechanical applications. Products of this industry are generally parts for motor vehicles, machinery, and equipment.

The data published with NAICS code 326291 include the following SIC industry:

3061 Mechanical rubber goods

326299 All Other Rubber Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber products (except tires; hoses and belting; and molded, extruded, and lathe-cut rubber goods for mechanical applications) from natural and synthetic rubber.

The data published with NAICS code 326299 include the following SIC industry:

3069 Fabricated rubber products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 326299 include establishments primarily engaged in the manufacture of rubber products including gloves, toys, pants, raincoats, bibs, aprons, bathing caps, life jackets, and wet suits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

327 Nonmetallic Mineral Product Manufacturing

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications.

The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further

process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily benefit mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

3271 Clay Product and Refractory Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32711, Pottery, Ceramics, and Plumbing Fixture Manufacturing; and 32712, Clay Building Material and Refractories Manufacturing.

32711 Pottery, Ceramics, and Plumbing Fixture Manufacturing

This industry comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials.

327111 Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vitreous china plumbing fixtures and china and earthenware bathroom accessories, such as faucet handles, towel bars, and soap dishes.

The data published with NAICS code 327111 include the following SIC industry:

3261 Vitreous plumbing fixtures

327112 Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing table and kitchen articles, art and ornamental items, and similar vitreous china, fine earthenware, stoneware, coarse earthenware, and pottery products.

The data published with NAICS code 327112 include the following SIC industries:

3262 Vitreous china table and kitchen articles

3263 Fine earthenware table and kitchen articles

3269 Pottery products, n.e.c.

3299 Nonmetallic mineral products, n.e.c. (pt)

327113 Porcelain Electrical Supply Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, ferrite or ceramic magnets, and electronic and electrical supplies from nonmetallic minerals, such as clay and ceramic materials.

The data published with NAICS code 327113 include the following SIC industry:

3264 Porcelain electrical supplies

32712 Clay Building Material and Refractories Manufacturing

This industry comprises establishments primarily engaged in shaping, molding, baking, burning, or hardening clay refractories, nonclay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

327121 Brick and Structural Clay Tile Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brick and structural clay tiles.

The data published with NAICS code 327121 include the following SIC industry:

3251 Brick and structural clay tile

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 327121 include establishments primarily engaged in the manufacture of slumped brick. The NAICS definitions will be fully implemented with the 2002 Economic Census.

327122 Ceramic Wall and Floor Tile Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ceramic wall and floor tiles.

The data published with NAICS code 327122 include the following SIC industry:

3253 Ceramic wall and floor tile

327123 Other Structural Clay Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay sewer pipe, drain tile, flue lining tile, architectural terra-cotta, and other structural clay products.

The data published with NAICS code 327123 include the following SIC industry:

3259 Structural clay products, n.e.c.

327124 Clay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay refractory, mortar, brick, block, tile, and fabricated clay refractories, such as melting pots. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

The data published with NAICS code 327124 include the following SIC industry:

3255 Clay refractories

327125 Nonclay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonclay refractory, mortar, brick, block, tile, and fabricated nonclay refractories such as graphite, magnesite, silica, or alumina crucibles. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

The data published with NAICS code 327125 include the following SIC industry:

3297 Nonclay refractories

3272 Glass and Glass Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 32721, Glass and Glass Product Manufacturing.

32721 Glass and Glass Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

327211 Flat Glass Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing flat glass by melting silica sand or cullet or (2) manufacturing both flat glass and laminated glass by melting silica sand or cullet.

The data published with NAICS code 327211 include the following SIC industry:

3211 Flat glass

327212 Other Pressed and Blown Glass and Glassware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing glass by melting silica sand or cullet and making pressed, blown, or shaped glass or glassware (except glass packaging containers).

The data published with NAICS code 327212 include the following SIC industry:

3229 Pressed and blown glass, n.e.c.

327213 Glass Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing glass packaging containers.

The data published with NAICS code 327213 include the following SIC industry:

3221 Glass containers

327215 Glass Product Manufacturing Made of Purchased Glass

This U.S. industry comprises establishments primarily engaged in remelting, pressing, blowing, or shaping purchased glass.

The data published with NAICS code 327215 include the following SIC industry:

3231 Products of purchased glass

3273 Cement and Concrete Product Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32731, Cement Manufacturing; 32732, Ready-Mix Concrete Manufacturing; 32733, Concrete Pipe, Brick, and Block Manufacturing; and 32739, Other Concrete Product Manufacturing.

32731 Cement Manufacturing

This industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

327310 Cement Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

The data published with NAICS code 327310 include the following SIC industry:

3241 Cement, hydraulic

32732 Ready-Mix Concrete Manufacturing

This industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

327320 Ready-Mix Concrete Manufacturing

This U.S. industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

The data published with NAICS code 327320 include the following SIC industry:

3273 Ready-mixed concrete

32733 Concrete Pipe, Brick, and Block Manufacturing

This industry comprises establishments primarily engaged in manufacturing concrete pipe, brick, and block

327331 Concrete Block and Brick Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete block and brick.

The data published with NAICS code 327331 include the following SIC industry:

3271 Concrete brick and block

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 327331 do not include establishments primarily engaged in the manufacture of slumped brick. The NAICS definitions will be fully implemented with the 2002 Economic Census.

327332 Concrete Pipe Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete pipe.

The data published with NAICS code 327332 include the following SIC industry:

3272 Concrete products, n.e.c. (pt)

32739 Other Concrete Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

327390 Other Concrete Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

The data published with NAICS code 327390 include the following SIC industry:

3272 Concrete products, n.e.c. (pt)

3274 Lime and Gypsum Product Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32741, Lime Manufacturing; and 32742, Gypsum Product Manufacturing.

32741 Lime Manufacturing

This industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

327410 Lime Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

The data published with NAICS code 327410 include the following SIC industry:

3274 Lime

32742 Gypsum Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing gypsum products such as wall-board, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

327420 Gypsum Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gypsum products, such as wall-board, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

The data published with NAICS code 327420 include the following SIC industries:

3275 Gypsum products

3299 Nonmetallic mineral products, n.e.c. (pt)

3279 Other Nonmetallic Mineral Product Manufacturing

The Other Nonmetallic Mineral Product Manufacturing industry group comprises establishments manufacturing nonmetallic mineral products (except clay products, refractory products, glass products, cement and concrete products, lime, and gypsum products).

32791 Abrasive Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products

327910 Abrasive Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

The data published with NAICS code 327910 include the following SIC industry:

3291 Abrasive products (pt)

32799 All Other Nonmetallic Mineral Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; and abrasive products).

327991 Cut Stone and Stone Product Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, shaping, and finishing granite, marble, limestone, slate, and other stone for building and miscellaneous uses. Stone product manufacturing establishments may mine, quarry, or purchase stone.

The data published with NAICS code 327991 include the following SIC industry:

3281 Cut stone and stone products

327992 Ground or Treated Mineral and Earth Manufacturing

This U.S. industry comprises establishments primarily engaged in calcining, dead burning, or otherwise processing beyond beneficiation, clays, ceramic and refractory minerals, barite, and miscellaneous nonmetallic minerals.

The data published with NAICS code 327992 include the following SIC industry:

3295 Minerals, ground or treated

327993 Mineral Wool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mineral wool and mineral wool (i.e., fiberglass) insulation products made of such siliceous materials as rock, slag, and glass or combinations thereof.

The data published with NAICS code 327993 include the following SIC industry:

3296 Mineral wool

327999 All Other Miscellaneous Nonmetallic Mineral Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; abrasive products; cut stone and stone products; ground and treated minerals and earth; and mineral wool).

The data published with NAICS code 327999 include the following SIC industries:

3272 Concrete products, n.e.c. (pt)

3292 Asbestos products (pt)

3299 Nonmetallic mineral products, n.e.c. (pt)

331 Primary Metal Manufacturing

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and superalloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

Primary manufacturing of ferrous and nonferrous metals begins with ore or concentrate as the primary input. Establishments manufacturing primary metals from ore and/or concentrate remain classified in the primary smelting, primary refining, or iron and steel mill, industries regardless of the form of their output. Establishments primarily engaged in secondary smelting and/or secondary refining recover ferrous and nonferrous metals from scrap and/or dross. The output of the secondary smelting and/or secondary refining industries is limited to shapes, such as ingot or billet, that will be further processed. Recovery of metals from scrap often occurs in establishments that are primarily engaged in activities, such as rolling, drawing, extruding, or similar processes.

Excluded from the Primary Metal Manufacturing subsector are establishments primarily engaged in manufacturing ferrous and nonferrous forgings (except ferrous forgings made in steel mills) and stampings. Although forging, stamping, and casting are all methods used to make metal shapes, forging and stamping do not use molten metals and are included in Subsector 332, Fabricated Metal Product Manufacturing. Establishments primarily engaged in operating coke ovens are classified in Industry 32419, Other Petroleum and Coal Products Manufacturing.

3311 Iron and Steel Mills and Ferroalloy Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33111, Iron and Steel Mills and Ferroalloy Manufacturing.

33111 Iron and Steel Mills and Ferroalloy Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) direct reduction of iron ore; (2) manufacturing pig iron in molten or solid form; (3) converting pig iron into steel; (4) manufacturing ferroalloys; (5) making steel; (6) making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and (7) making steel and forming pipe and tube.

331111 Iron and Steel Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) direct reduction of iron ore; (2) manufacturing pig iron in molten or solid form; (3) converting pig iron into steel; (4) making steel; (5) making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and (6) making steel and forming tube and pipe.

The data published with NAICS code 331111 include the following SIC industries:

3312 Blast furnaces and steel mills (pt)

3399 Primary metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 331111 include establishments primarily engaged in the manufacture of ferrous metal powder, paste, and flake. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3311111 Iron and Steel Mills – Fully Integrated

Establishments primarily engaged in smelting iron ore in a blast furnace to produce pig iron in molten or solid form; then converting pig iron into steel by removal of the carbon in the iron through combustion in a basic oxygen or electric furnace; then producing iron and steel basic shapes, such as plates, sheets, strips, and bars, and other related products, such as pipes, tubes, and wire.

3311112 Iron and Steel Mills – Partially Integrated With a Blast Furnace

Establishments primarily engaged in smelting iron ore in a blast furnace to produce pig iron in molten or solid form; then converting pig iron into steel by removal of the carbon in the iron through combustion in a basic oxygen or electric furnace; then producing ingots and/or semifinished shapes, such as blooms, billets, and rods.

3311113 Iron and Steel Mills – Partially Integrated Without a Blast Furnace

Establishments primarily engaged in converting pig iron, direct reduced iron, and/or scrap into steel by removal of the carbon in the iron through combustion in a basic oxygen or electric furnace; then producing iron and steel basic shapes, such as plates, sheets, strips, and bars, and other related products, such as pipes, tubes, and wire.

3311114 Iron and Steel Mills – Nonintegrated

Establishments primarily engaged in producing iron and steel basic shapes, such as plates, sheets, strips, and bars, and other related products, such as pipes, tubes, and wire from purchased ingots and/or semifinished shapes, such as blooms, billets, and rods.

331112 Electrometallurgical Ferroalloy Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electrometallurgical ferroalloys. Ferroalloys add critical elements, such as silicon and manganese for carbon steel and chromium, vanadium, tungsten, titanium, and molybdenum for low- and high-alloy metals. Ferroalloys include iron-rich alloys and more pure forms of elements added during the steel manufacturing process that alter or improve the characteristics of the metal being made.

The data published with NAICS code 331112 include the following SIC industry:

3313 Electrometallurgical products (pt)

3312 Steel Product Manufacturing From Purchased Steel

This industry group comprises establishments primarily engaged in manufacturing iron and steel tube and pipe, drawing steel wire, and rolling or drawing shapes from purchased iron or steel.

33121 Iron and Steel Pipes and Tubes Manufacturing From Purchased Steel

This industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

331210 Iron and Steel Pipes and Tubes Manufacturing From Purchased Steel

This U.S. industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

The data published with NAICS code 331210 include the following SIC industry:

3317 Steel pipe and tubes

33122 Rolling and Drawing of Purchased Steel

This industry comprises establishments primarily engaged in rolling and/or drawing steel shapes, such as plate, sheet, strip, rod, and bar, from purchased steel.

331221 Rolled Steel Shape Manufacturing

This U.S. industry comprises establishments primarily engaged in rolling or drawing shapes (except wire), such as plate, sheet, strip, rod, and bar, from purchased steel.

The data published with NAICS code 331221 include the following SIC industry:

3316 Cold finishing of steel shapes

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 331221 do not include establishments primarily engaged in making coke oven and blast furnace products; in making steel and rolling or drawing steel shapes; or in the making of ferrous metal powder, paste, and flake. The NAICS definitions will be fully implemented with the 2002 Economic Census.

331222 Steel Wire Drawing

This U.S. industry comprises establishments primarily engaged in drawing wire from purchased steel.

The data published with NAICS code 331222 include the following SIC industry:

3315 Steel wire and related products (pt)

3313 Alumina and Aluminum Production and Processing

This NAICS industry group includes establishments classified in NAICS Industry 33131, Alumina and Aluminum Production and Processing.

33131 Alumina and Aluminum Production and Processing

This industry comprises establishments primarily engaged in one or more of the following: (1) refining alumina; (2) making (i.e., the primary production) aluminum from alumina; (3) recovering aluminum from scrap or dross; (4) alloying purchased aluminum; and (5) manufacturing aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, wire).

331311 Alumina Refining

This U.S. industry comprises establishments primarily engaged in refining alumina (i.e., aluminum oxide) generally from bauxite.

The data published with NAICS code 331311 include the following SIC industry:

2819 Industrial inorganic chemicals, n.e.c. (pt)

331312 Primary Aluminum Production

This U.S. industry comprises establishments primarily engaged in (1) making aluminum from alumina and/or (2) making aluminum from alumina and rolling, drawing, extruding, or casting the aluminum they make into primary forms (e.g., bar, billet, ingot, plate, rod, sheet, strip). Establishments in this industry may make primary aluminum or aluminum-based alloys from alumina.

The data published with NAICS code 331312 include the following SIC industry:

3334 Primary aluminum

331314 Secondary Smelting and Alloying of Aluminum

This U.S. industry comprises establishments primarily engaged in (1) recovering aluminum and aluminum alloys from scrap and/or dross (i.e., secondary smelting) and making billet or ingot (except by rolling) and/or (2) manufacturing alloys, powder, paste, or flake from purchased aluminum.

The data published with NAICS code 331314 include the following SIC industries:

3341 Secondary nonferrous metals (pt)

3399 Primary metal products, n.e.c. (pt)

331315 Aluminum Sheet, Plate, and Foil Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) flat rolling or continuous casting sheet, plate, foil, and welded tube from purchased aluminum and/or (2) recovering aluminum from scrap and flat rolling or continuous casting sheet, plate, foil, and welded tube in integrated mills.

The data published with NAICS code 331315 include the following SIC industry:

3353 Aluminum sheet, plate, and foil (pt)

331316 Aluminum Extruded Product Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) extruding aluminum bar, pipe, and tube blooms or extruding or drawing tube from purchased aluminum; and/or (2) recovering aluminum from scrap and extruding bar, pipe, and tube blooms or drawing tube in integrated mills.

The data published with NAICS code 331316 include the following SIC industry:

3354 Aluminum extruded products

331319 Other Aluminum Rolling and Drawing

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) from purchased aluminum and/or (2) recovering aluminum from scrap and rolling, drawing or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) in integrated mills.

The data published with NAICS code 331319 include the following SIC industries:

3355 Aluminum rolling and drawing, n.e.c.

3357 Nonferrous wire drawing and insulating (pt)

3314 Nonferrous Metal (Except Aluminum) Production and Processing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33141, Nonferrous Metal (Except Aluminum) Smelting and Refining; 33142, Copper Rolling, Drawing, Extruding, and Alloying; and 33149, Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying.

33141 Nonferrous Metal (Except Aluminum) Smelting and Refining

This industry comprises establishments primarily engaged in (1) smelting ores into nonferrous metals and/or (2) the primary refining of nonferrous metals (except aluminum) using electrolytic or other processes.

331411 Primary Smelting and Refining of Copper

This U.S. industry comprises establishments primarily engaged in (1) smelting copper ore and/or (2) the primary refining of copper by electrolytic methods or other processes. Establishments in this industry make primary copper and copper-based alloys, such as brass and bronze, from ore or concentrates.

The data published with NAICS code 331411 include the following SIC industry:

3331 Primary copper

331419 Primary Smelting and Refining of Nonferrous Metal (Except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in (1) making (i.e., the primary production) nonferrous metals by smelting ore and/or (2) the primary refining of nonferrous metals by electrolytic methods or other processes.

The data published with NAICS code 331419 include the following SIC industry:

3339 Primary nonferrous metals, n.e.c.

33142 Copper Rolling, Drawing, Extruding, and Alloying

This industry comprises establishments primarily engaged in one or more of the following: (1) recovering copper or copper alloys from scraps; (2) alloying purchased copper; (3) rolling, drawing, or extruding shapes, (e.g., bar, plate, sheet, strip, tube, and wire) from purchased copper; and (4) recovering copper or copper alloys from scrap and rolling drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube, and wire).

331421 Copper Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube (except bare or insulated copper communication or energy wire)) from purchased copper; and/or (2) recovering copper from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube (except bare or insulated copper communication or energy wire in integrated mills)).

The data published with NAICS code 331421 include the following SIC industry:

3351 Copper rolling and drawing

331422 Copper Wire (Except Mechanical) Drawing

This U.S. industry comprises establishments primarily engaged in drawing or drawing and insulating communication and energy wire and cable from purchased copper or in integrated secondary smelting and wire drawing plants.

The data published with NAICS code 331422 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

331423 Secondary Smelting, Refining, and Alloying of Copper

This U.S. industry comprises establishments primarily engaged in (1) recovering copper and copper alloys from scrap and/or (2) alloying purchased copper. Establishments in this industry make primary forms, such as ingot, wire bar, cake, and slab from copper or copper alloys, such as brass and bronze.

The data published with NAICS code 331423 include the following SIC industries:

3341 Secondary nonferrous metals (pt)

3399 Primary metal products, n.e.c. (pt)

33149 Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying

This industry comprises establishments primarily engaged in one or more of the following: (1) recovering nonferrous metals (except copper and aluminum) and nonferrous metal alloys from scrap; (2) alloying purchased

nonferrous metals (except copper and aluminum); (3) rolling, drawing, and extruding shapes from purchased nonferrous metals (except copper and aluminum); and (4) recovering nonferrous metals from scrap (except copper and aluminum) and rolling, drawing, or extruding shapes in integrated facilities.

331491 Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube) from purchased nonferrous metals) and/or (2) recovering nonferrous metals from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube) in integrated mills.

The data published with NAICS code 331491 include the following SIC industries:

3356 Nonferrous rolling and drawing, n.e.c.

3357 Nonferrous wire drawing and insulating (pt)

331492 Secondary Smelting, Refining, and Alloying of Nonferrous Metal (Except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in (1) alloying purchased nonferrous metals and/or (2) recovering nonferrous metals from scrap. Establishments in this industry make primary forms (e.g., bar, billet, bloom, cake, ingot, slab, slug, wire) using smelting or refining processes.

The data published with NAICS code 331492 include the following SIC industries:

3313 Electrometallurgical products (pt)

3341 Secondary nonferrous metals (pt)

3399 Primary metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 331492 include establishments primarily engaged in the manufacture of other nonferrous additive alloys. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3315 Foundries

This industry group comprises establishments primarily engaged in pouring molten metal into molds or dies to form castings. Establishments making castings and further manufacturing, such as machining or assembling, a specific manufactured product are classified in the industry of the finished product. Foundries may perform operations, such as cleaning and deburring, on the castings they manufacture. More involved processes, such as tapping,

threading, milling, or machining to tight tolerances, that transform castings into more finished products are classified elsewhere in the manufacturing sector based on the product being made.

Establishments in this industry group make castings from purchased metals or in integrated secondary smelting and casting facilities. When the production of primary metals is combined with making castings, the establishment is classified in 331 with the primary metal being made.

33151 Ferrous Metal Foundries

This industry comprises establishments primarily engaged in pouring molten iron and steel into molds of a desired shape to make castings. Establishments in this industry purchase iron and steel made in other establishments.

331511 Iron Foundries

This U.S. industry comprises establishments primarily engaged in pouring molten pig iron or iron alloys into molds to manufacture castings, (e.g., cast iron man-hole covers, cast iron pipe, cast iron skillets). Establishments in this industry purchase iron made in other establishments.

The data published with NAICS code 331511 include the following SIC industries:

3321 Gray iron foundries

3322 Malleable iron foundries

331512 Steel Investment Foundries

This U.S. industry comprises establishments primarily engaged in manufacturing steel investment castings. Investment molds are formed by covering a wax shape with a refractory slurry. After the refractory slurry hardens, the wax is melted, leaving a seamless mold. Investment molds provide highly detailed, consistent castings. Establishments in this industry purchase steel made in other establishments.

The data published with NAICS code 331512 include the following SIC industry:

3324 Steel investment foundries

331513 Steel Foundries (Except Investment)

This U.S. industry comprises establishments primarily engaged in manufacturing steel castings (except steel investment castings). Establishments in this industry purchase steel made in other establishments.

The data published with NAICS code 331513 include the following SIC industry:

3325 Steel foundries, n.e.c.

33152 Nonferrous Metal Foundries

This industry comprises establishments primarily engaged in pouring and/or introducing molten nonferrous metal, under high pressure, into metal molds or dies to manufacture castings. Establishments in this industry purchase nonferrous metals made in other establishments.

331521 Aluminum Die-Casting Foundries

This U.S. industry comprises establishments primarily engaged in introducing molten aluminum, under high pressure, into molds or dies to make aluminum die-castings. Establishments in this industry purchase aluminum made in other establishments.

The data published with NAICS code 331521 include the following SIC industry:

3363 Aluminum die-castings

331522 Nonferrous (Except Aluminum) Die-Casting Foundries

This U.S. industry comprises establishments primarily engaged in introducing molten nonferrous metal (except aluminum), under high pressure, into molds to make nonferrous metal die-castings. Establishments in this industry purchase nonferrous metals made in other establishments.

The data published with NAICS code 331522 include the following SIC industry:

3364 Nonferrous die-casting, except aluminum

331524 Aluminum Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten aluminum into molds to manufacture aluminum castings. Establishments in this industry purchase aluminum made in other establishments.

The data published with NAICS code 331524 include the following SIC industry:

3365 Aluminum foundries

331525 Copper Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten copper into molds to manufacture copper castings. Establishments in this industry purchase copper made in other establishments.

The data published with NAICS code 331525 include the following SIC industry:

3366 Copper foundries

331528 Other Nonferrous Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten nonferrous metals (except aluminum and copper) into molds to manufacture nonferrous castings (except aluminum die-castings, nonferrous

(except aluminum) die-castings, aluminum castings, and copper castings). Establishments in this industry purchase nonferrous metals, such as nickel, lead, and zinc, made in other establishments.

The data published with NAICS code 331528 include the following SIC industry:

3369 Nonferrous foundries, n.e.c.

332 Fabricated Metal Product Manufacturing

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture or treating metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

The NAICS structure for this subsector distinguishes the forging and stamping processes in a single industry. The remaining industries, in the subsector, group establishments based on similar combinations of processes used to make products.

The manufacturing performed in the Fabricated Metal Product Manufacturing subsector begins with manufactured metal shapes. The establishments in this sector further fabricate the purchased metal shapes into a product. For instance, the Spring and Wire Product Manufacturing industry starts with wire and fabricates such items.

Within manufacturing there are other establishments that make the same products made by this subsector; only these establishments begin production further back in the production process. These establishments have a more integrated operation. For instance, one establishment may manufacture steel, draw it into wire, and make wire products in the same establishment. Such operations are classified in the Primary Metal Manufacturing subsector.

3321 Forging and Stamping

This NAICS industry group includes establishments classified in NAICS Industry 33211, Forging and Stamping.

33211 Forging and Stamping

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing forgings from purchased metals; (2) manufacturing metal custom roll forming products; (3) manufacturing metal stamped and spun products (except automotive, cans, coins); and (4) manufacturing powder metallurgy products. Establishments making metal forgings, metal stampings, and metal spun products and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished

product. Metal forging, metal stamping, and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

332111 Iron and Steel Forging

This U.S. industry comprises establishments primarily engaged in manufacturing iron and steel forgings from purchased iron and steel by hammering mill shapes. Establishments making iron and steel forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Iron and steel forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

The data published with NAICS code 332111 include the following SIC industry:

3462 Iron and steel forgings

332112 Nonferrous Forging

This U.S. industry comprises establishments primarily engaged in manufacturing nonferrous forgings from purchased nonferrous metals by hammering mill shapes. Establishments making nonferrous forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Nonferrous forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

The data published with NAICS code 332112 include the following SIC industry:

3463 Nonferrous forgings

332114 Custom Roll Forming

This U.S. industry comprises establishments primarily engaged in custom roll forming metal products by use of rotary motion of rolls with various contours to bend or shape the products.

The data published with NAICS code 332114 include the following SIC industry:

3449 Miscellaneous metal work (pt)

332115 Crown and Closure Manufacturing

This U.S. industry comprises establishments primarily engaged in stamping metal crowns and closures, such as bottle caps and home canning lids and rings.

The data published with NAICS code 332115 include the following SIC industry:

3466 Crowns and closures

332116 Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing unfinished metal stampings and spinning unfinished metal products (except crowns, cans, closures, automotive, and coins). Establishments making metal stampings and metal spun products and further manufacturing (e.g., machining, assembling) a specific product are classified in the industry of the finished product. Metal stamping and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

The data published with NAICS code 332116 include the following SIC industry:

3469 Metal stampings, n.e.c. (pt)

332117 Powder Metallurgy Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powder metallurgy products by compacting them in a shaped die and sintering. Establishments in this industry generally make a wide range of parts on a job or order basis.

The data published with NAICS code 332117 include the following SIC industry:

3499 Fabricated metal products, n.e.c. (pt)

3322 Cutlery and Handtool Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33221, Cutlery and Handtool Manufacturing.

33221 Cutlery and Handtool Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nonprecious and precious plated metal cutlery and flatware; (2) manufacturing nonpowered hand and edge tools; (3) manufacturing nonpowered handsaws; (4) manufacturing saw blades, all types (including those for sawing machines); and (5) manufacturing metal kitchen utensils (except cutting-type) and pots and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

332211 Cutlery and Flatware (Except Precious) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonprecious and precious plated metal cutlery and flatware.

The data published with NAICS code 332211 include the following SIC industries:

3421 Cutlery

3914 Silverware and plated ware (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census—Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332211 do not include establishments primarily engaged in the manufacture of hand-operated clippers for human hair. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332212 Hand and Edge Tool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpowered hand and edge tools (except saws).

The data published with NAICS code 332212 include the following SIC industries:

- 3423 Hand and edge tools, n.e.c.
- 3523 Farm machinery and equipment (pt)
- 3524 Lawn and garden equipment (pt)
- 3545 Machine tool accessories (pt)
- 3699 Electrical equipment and supplies, n.e.c. (pt)
- 3799 Transportation equipment, n.e.c. (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census—Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332212 include establishments primarily engaged in the manufacture of wheelbarrows or quality control laser equipment but do not include establishments primarily engaged in the manufacture of tool-type shears or fish wire, an electrical wiring tool. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332213 Saw Blade and Handsaw Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing nonpowered handsaws and/or (2) manufacturing saw blades, all types (including those for power sawing machines).

The data published with NAICS code 332213 include the following SIC industry:

- 3425 Saw blades and handsaws

332214 Kitchen Utensil, Pot, and Pan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal kitchen utensils (except cutting-type), pots, and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

The data published with NAICS code 332214 include the following SIC industry:

- 3469 Metal stampings, n.e.c. (pt)

3323 Architectural and Structural Metals Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33231, Plate Work and Fabricated Structural Product Manufacturing; and 33232, Ornamental and Architectural Metal Products Manufacturing.

33231 Plate Work and Fabricated Structural Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: (1) prefabricated metal buildings, panels, and sections; (2) structural metal products; and (3) metal plate work products.

332311 Prefabricated Metal Building and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated metal buildings, panels, and sections.

The data published with NAICS code 332311 include the following SIC industry:

- 3448 Prefabricated metal buildings

332312 Fabricated Structural Metal Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating structural metal products, such as concrete reinforcing bars and fabricated bar joists.

The data published with NAICS code 332312 include the following SIC industries:

- 3441 Fabricated structural metal
- 3449 Miscellaneous metal work (pt)

332313 Plate Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal plate work by cutting, punching, bending, shaping, and welding purchased metal plate.

The data published with NAICS code 332313 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

33232 Ornamental and Architectural Metal Products Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: (1) metal framed windows (i.e., typically using purchased glass) and metal doors; (2) sheet metal work; and (3) ornamental and architectural metal products.

332321 Metal Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal framed windows (i.e., typically using purchased glass) and metal doors. Examples of products made by these establishments are metal door frames; metal framed window and door screens; metal molding and trim (except automotive); and metal curtain walls.

The data published with NAICS code 332321 include the following SIC industries:

- 2499 Wood products, n.e.c. (pt)
- 3442 Metal doors, sash, and trim
- 3449 Miscellaneous metal work (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332321 include establishments primarily engaged in the manufacture of metal finished moldings for mirrors and pictures. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332322 Sheet Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sheet metal work (except stampings).

The data published with NAICS code 332322 include the following SIC industry:

- 3444 Sheet metal work (pt)

332323 Ornamental and Architectural Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ornamental and architectural metal work, such as staircases, metal open steel flooring, fire escapes, railings, and scaffolding.

The data published with NAICS code 332323 include the following SIC industries:

- 3446 Architectural metal work
- 3449 Miscellaneous metal work (pt)
- 3523 Farm machinery and equipment (pt)

3324 Boiler, Tank, and Shipping Container Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33241, Power Boiler and Heat Exchanger Manufacturing; 33242, Metal Tank (Heavy Gauge) Manufacturing; and 33243, Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing.

33241 Power Boiler and Heat Exchanger Manufacturing

This industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

332410 Power Boiler and Heat Exchanger Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

The data published with NAICS code 332410 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332410 do not include establishments primarily engaged in the manufacture of nuclear control drive mechanisms. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33242 Metal Tank (Heavy Gauge) Manufacturing

This industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

332420 Metal Tank (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

The data published with NAICS code 332420 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

33243 Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing

This industry comprises establishments primarily engaged in forming light gauge metal containers.

332431 Metal Can Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cans, lids, and ends.

The data published with NAICS code 332431 include the following SIC industry:

- 3411 Metal cans

332439 Other Metal Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal (light gauge) containers (except cans).

The data published with NAICS code 332439 include the following SIC industries:

- 3412 Metal barrels, drums, and pails
- 3429 Hardware, n.e.c. (pt)
- 3444 Sheet metal work (pt)
- 3499 Fabricated metal products, n.e.c. (pt)
- 3537 Industrial trucks and tractors (pt)

3325 Hardware Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33251, Hardware Manufacturing.

33251 Hardware Manufacturing

This industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

332510 Hardware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

The data published with NAICS code 332510 include the following SIC industries:

- 3429 Hardware, n.e.c. (pt)
- 3499 Fabricated metal products, n.e.c. (pt)

3326 Spring and Wire Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33261, Spring and Wire Product Manufacturing.

33261 Spring and Wire Product Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing steel springs by forming, such as cutting, bending, and heat winding metal rod or strip stock and/or (2) manufacturing wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

332611 Spring (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heavy gauge springs by forming, such as cutting, bending, and heat winding rod or strip stock.

The data published with NAICS code 332611 include the following SIC industry:

- 3493 Steel springs, except wire

332612 Spring (Light Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing light gauge springs from purchased wire or strip.

The data published with NAICS code 332612 include the following SIC industry:

- 3495 Wire springs (pt)

332618 Other Fabricated Wire Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated wire products (except springs) made from purchased wire.

The data published with NAICS code 332618 include the following SIC industries:

- 3315 Steel wire and related products (pt)
- 3399 Primary metal products, n.e.c. (pt)
- 3496 Miscellaneous fabricated wire products

3327 Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33271, Machine Shops; and 33272, Turned Product and Screw, Nut, and Bolt Manufacturing.

33271 Machine Shops

This industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

332710 Machine Shops

This U.S. industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

The data published with NAICS code 332710 include the following SIC industry:

- 3599 Industrial machinery, n.e.c. (pt)

33272 Turned Product and Screw, Nut, and Bolt Manufacturing

This industry comprises establishments primarily engaged in (1) machining precision turned products or (2) manufacturing metal bolts, nuts, screws, rivets, and other industrial fasteners. Included in this industry are establishments primarily engaged manufacturing parts for machinery and equipment on a customized basis.

332721 Precision Turned Product Manufacturing

This U.S. industry comprises establishments known as precision turned manufacturers primarily engaged in machining precision products of all materials on a job or order basis. Generally precision turned product jobs are large volume using machines, such as automatic screw machines, rotary transfer machines, computer numerically controlled (CNC) lathes, or turning centers.

The data published with NAICS code 332721 include the following SIC industry:

3451 Screw machine products

332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal bolts, nuts, screws, rivets, and washers, and other industrial fasteners using machines, such as headers, threaders, and nut forming machines.

The data published with NAICS code 332722 include the following SIC industry:

3452 Bolts, nuts, rivets, and washers

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332722 do not include establishments primarily engaged in the manufacture of turnbuckles and hose clamps. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3328 Coating, Engraving, Heat Treating, and Allied Activities

This NAICS industry group includes establishments classified in NAICS Industry 33281, Coating, Engraving, Heat Treating, and Allied Activities.

33281 Coating, Engraving, Heat Treating, and Allied Activities

This industry comprises establishments primarily engaged in one or more of the following: (1) heat treating metals and metal products; (2) enameling, lacquering, varnishing metals and metal products; (3) hot dip galvanizing metals and metal products; (4) engraving, chasing, or

etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (5) powder coating metals and metal products; (6) electroplating, plating, anodizing, coloring, and finishing metals and metal products; and (7) providing other metal surfacing services for the trade. Establishments in this industry coat engravings and heat treat metals and metal formed products fabricated elsewhere.

332811 Metal Heat Treating

This U.S. industry comprises establishments primarily engaged in heat treating, such as annealing, tempering, and brazing, metals and metal products for the trade.

The data published with NAICS code 332811 include the following SIC industry:

3398 Metal heat treating

332812 Metal Coating, Engraving (Except Jewelry and Silverware), and Allied Services to Manufacturers

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) enameling, lacquering, and varnishing metals and metal products; (2) hot dip galvanizing metals and metal products; (3) engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (4) powder coating metals and metal products; and (5) providing other metal surfacing services for the trade.

The data published with NAICS code 332812 include the following SIC industry:

3479 Metal coating and allied services (pt)

332813 Electroplating, Plating, Polishing, Anodizing, and Coloring

This U.S. industry comprises establishments primarily engaged in electroplating, plating, anodizing, coloring, buffing, polishing, cleaning, and sandblasting metals and metal products for the trade.

The data published with NAICS code 332813 include the following SIC industry:

3471 Plating and polishing

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332813 do not include establishments primarily engaged in laminating steel. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3329 Other Fabricated Metal Product Manufacturing

This industry group comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, and nuts and bolts).

33291 Metal Valve Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following metal valves: (1) industrial valves; (2) fluid power valves and hose fittings; (3) plumbing fixture fittings and trim; and (4) other metal valves and pipe fittings.

332911 Industrial Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial valves and valves for water works and municipal water systems.

The data published with NAICS code 332911 include the following SIC industries:

3491 Industrial valves

332912 Fluid Power Valve and Hose Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power valves and hose fittings.

The data published with NAICS code 332912 include the following SIC industries:

3492 Fluid power valves and hose fittings

3728 Aircraft parts and equipment, n.e.c. (pt)

332913 Plumbing Fixture Fitting and Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal and plastics plumbing fixture fittings and trim, such as faucets, flush valves, and shower heads.

The data published with NAICS code 332913 include the following SIC industry:

3432 Plumbing fittings and brass goods (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332913 include establishments primarily engaged in the manufacture of lawn hose nozzels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332919 Other Metal Valve and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal valves (except industrial valves, fluid power valves, fluid power hose fittings, and plumbing fixture fittings and trim).

The data published with NAICS code 332919 include the following SIC industries:

3429 Hardware, n.e.c. (pt)

3494 Valves and pipe fittings, n.e.c. (pt)

3499 Fabricated metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332919 do not include establishments primarily engaged in manufacturing lawn hose nozzels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33299 All Other Fabricated Metal Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metal products, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, and metal valves).

332991 Ball and Roller Bearing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ball and roller bearings of all materials.

The data published with NAICS code 332991 include the following SIC industry:

3562 Ball and roller bearings

332992 Small Arms Ammunition Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small arms ammunition.

The data published with NAICS code 332992 include the following SIC industry:

3482 Small arms ammunition

332993 Ammunition (Except Small Arms) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ammunition (except small arms). Examples of products made by these establishments are bombs, depth charges, rockets (except guided missiles), grenades, mines, and torpedoes.

The data published with NAICS code 332993 include the following SIC industry:

3483 Ammunition, except small arms, n.e.c.

332994 Small Arms Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small firearms that are carried and fired by the individual.

The data published with NAICS code 332994 include the following SIC industry:

3484 Small arms

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332994 do not include establishments primarily engaged in the manufacture of tranquilizer guns. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332995 Other Ordnance and Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ordnance (except small arms) and accessories.

The data published with NAICS code 332995 include the following SIC industry:

3489 Ordnance and accessories, n.e.c.

332996 Fabricated Pipe and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating (such as cutting, threading and bending) metal pipes and pipe fittings made from purchased metal pipe.

The data published with NAICS code 332996 include the following SIC industries:

3353 Aluminum sheet, plate, and foil (pt)

3498 Fabricated pipe and fittings

332997 Industrial Pattern Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial patterns.

The data published with NAICS code 332997 include the following SIC industry:

3543 Industrial patterns

332998 Enameled Iron and Metal Sanitary Ware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing enameled iron and metal sanitary ware.

The data published with NAICS code 332998 include the following SIC industry:

3431 Metal sanitary ware

332999 All Other Miscellaneous Fabricated Metal Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts, and bolts, metal valves, ball and roller bearings, ammunition, small arms and other ordnances, fabricated pipes and pipe fittings, industrial patterns, and enameled iron and metal sanitary ware).

The data published with NAICS code 332999 include the following SIC industries:

3291 Abrasive products (pt)

3432 Plumbing fixture fittings and trim

3494 Valves and pipe fittings, n.e.c. (pt)

3497 Metal foil and leaf (pt)

3499 Fabricated metal products, n.e.c. (pt)

3537 Industrial trucks and tractors (pt)

3599 Industrial machinery, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332999 do not include establishments primarily engaged in manufacturing fire-place fixtures, traps, handcuffs and leg irons, ladder jacks, or other like metal products, or primarily engaged in manufacturing precious metal hollowware. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333 Machinery Manufacturing

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it

typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing NAICS. The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general-purpose machinery) and machinery that is designed to be used in a particular industry (i.e., special-purpose machinery). Three industry groups consist of special-purpose machinery—Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General-Purpose Machinery Manufacturing.

3331 Agriculture, Construction, and Mining Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33311, Agricultural Implement Manufacturing; 33312, Construction Machinery Manufacturing; and 33313, Mining and Oil and Gas Field Machinery Manufacturing.

33311 Agricultural Implement Manufacturing

This industry comprises establishments primarily engaged in manufacturing farm machinery and equipment, powered mowing equipment, and other powered home lawn and garden equipment.

333111 Farm Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing agricultural and farm machinery and equipment, and other turf and grounds care equipment, including planting, harvesting, and grass mowing equipment (except lawn and garden-type).

The data published with NAICS code 333111 include the following SIC industry:

3523 Farm machinery and equipment (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to

NAICS. Data for NAICS industry 333111 do not include establishments primarily engaged in manufacturing cotton ginning machinery. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333112 Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powered lawnmowers, lawn and garden tractors, and other home lawn and garden equipment, such as tillers, shredders, and yard vacuums and blowers.

The data published with NAICS code 333112 include the following SIC industry:

3524 Lawn and garden equipment (pt)

33312 Construction Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

333120 Construction Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

The data published with NAICS code 333120 include the following SIC industry:

3531 Construction machinery (pt)

33313 Mining and Oil and Gas Field Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing oil and gas field and underground mining machinery and equipment.

333131 Mining Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, rock drills and (2) manufacturing mineral beneficiating machinery and equipment used in surface or underground mines.

The data published with NAICS code 333131 include the following SIC industry:

3532 Mining machinery

333132 Oil and Gas Field Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing oil and gas field machinery and equipment, such as oil and gas field drilling machinery and equipment; oil and gas field production machinery and equipment; and oil and gas field derricks and (2) manufacturing water well drilling machinery.

The data published with NAICS code 333132 include the following SIC industry:

3533 Oil field machinery

3332 Industrial Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33321, Sawmill and Woodworking Machinery Manufacturing; 33322, Plastics and Rubber Industry Machinery Manufacturing; and 33329, Other Industrial Machinery Manufacturing.

33321 Sawmill and Woodworking Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

333210 Sawmill and Woodworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

The data published with NAICS code 333210 include the following SIC industry:

3553 Woodworking machinery

33322 Plastics and Rubber Industry Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

333220 Plastics and Rubber Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

The data published with NAICS code 333220 include the following SIC industry:

3559 Special industry machinery, n.e.c. (pt)

33329 Other Industrial Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction, mining, sawmill and woodworking, and plastics and rubber products making machinery).

333291 Paper Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing paper industry machinery for making paper and paper products, such as pulp making machinery, paper and paperboard making machinery, and paper and paperboard converting machinery.

The data published with NAICS code 333291 include the following SIC industry:

3554 Paper industries machinery

333292 Textile Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing textile machinery for making thread, yarn, and fiber.

The data published with NAICS code 333292 include the following SIC industries:

3552 Textile machinery

3699 Electrical equipment and supplies, n.e.c. (pt)

333293 Printing Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and bookbinding machinery and equipment, such as printing presses, type-setting machinery, and bindery machinery.

The data published with NAICS code 333293 include the following SIC industries:

3555 Printing trades machinery

3699 Electrical equipment and supplies, n.e.c. (pt)

333294 Food Product Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food and beverage manufacturing-type machinery and equipment, such as dairy product plant machinery and equipment (e.g., homogenizers, pasteurizers, ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

The data published with NAICS code 333294 include the following SIC industry:

3556 Food products machinery

333295 Semiconductor Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wafer processing equipment, semiconductor assembly and packaging equipment, and other semiconductor making machinery.

The data published with NAICS code 333295 include the following SIC industry:

3559 Special industry machinery, n.e.c. (pt)

333298 All Other Industrial Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction and mining machinery, sawmill and woodworking machinery, plastics and rubber making machinery, paper and paperboard making machinery, textile machinery, printing machinery and equipment, food manufacturing-type machinery, and semiconductor making machinery).

The data published with NAICS code 333298 include the following SIC industries:

3559 Special industry machinery, n.e.c. (pt)

3639 Household appliances, n.e.c. (pt)

3333 Commercial and Service Industry Machinery Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33331, Commercial and Service Industry Machinery Manufacturing.

33331 Commercial and Service Industry Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and drycleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

333311 Automatic Vending Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing coin, token, currency, or magnetic card operated vending machines and/or (2) manufacturing coin operated mechanism for machines, such as vending machines, lockers, and laundry machines.

The data published with NAICS code 333311 include the following SIC industry:

3581 Automatic merchandising machines

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333311 do not include establishments primarily engaged in the manufacture of change making machines. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333312 Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and industrial laundry and drycleaning equipment and pressing machines.

The data published with NAICS code 333312 include the following SIC industry:

3582 Commercial laundry equipment

333313 Office Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing office machinery (except computers and photocopying equipment), such as mail-handling machinery and equipment, calculators, typewriters, and dedicated word processing equipment.

The data published with NAICS code 333313 include the following SIC industries:

3578 Calculating and accounting equipment (pt)

3579 Office machines, n.e.c. (pt)

333314 Optical Instrument and Lens Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing optical instruments and lens, such as binoculars, microscopes (except electron, proton), telescopes, prisms, and lenses (except ophthalmic); (2) coating or polishing lenses (except ophthalmic); and (3) mounting lenses (except ophthalmic).

The data published with NAICS code 333314 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3827 Optical instruments and lenses

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333314 include establishments primarily engaged in the manufacture of sighting and tracking laser products.

333315 Photographic and Photocopying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing photographic and photocopying equipment, such as cameras (except television, video, digital projectors, film developing equipment, photocopying equipment, and microfilm equipment).

The data published with NAICS code 333315 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3861 Photographic equipment and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333315 include establishments primarily engaged in the manufacture of photographic laser products.

333319 Other Commercial and Service Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and service industry equipment (except automatic vending machines, commercial laundry, drycleaning and pressing machines, office machinery, optical instruments and lenses, and photographic and photocopying equipment).

The data published with NAICS code 333319 include the following SIC industries:

3559 Special industry machinery, n.e.c. (pt)

3589 Service industry machinery, n.e.c.

3599 Industrial machinery, n.e.c. (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333319 do not include establishments primarily engaged in the manufacture of beauty and barbershop equipment, except chairs. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3334 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33341, Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing.

33341 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing ventilating, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

333411 Air Purification Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing stationary air purification equipment, such as industrial dust and fume collection equipment, electrostatic precipitation equipment, warm air furnace filters, air washers, and other dust collection equipment.

The data published with NAICS code 333411 include the following SIC industry:

3564 Blowers and fans (pt)

333412 Industrial and Commercial Fan and Blower Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing attic fans and industrial and commercial fans and blowers, such as commercial exhaust fans and commercial ventilating fans.

The data published with NAICS code 333412 include the following SIC industry:

3564 Blowers and fans (pt)

333414 Heating Equipment (Except Warm Air Furnaces) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heating equipment (except electric and warm air furnaces), such as heating boilers, heating stoves, floor and wall furnaces, and wall and baseboard heating units.

The data published with NAICS code 333414 include the following SIC industries:

3433 Heating equipment, except electric

3634 Electric housewares and fans (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333414 do not include establishments primarily engaged in the manufacture of cooling towers of wood, metal, or sheet metal, or the manufacture of electric swimming pool heaters. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333415 Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing air-conditioning (except motor vehicle) and warm air furnace equipment and/or (2) manufacturing commercial and industrial refrigeration and freezer equipment.

The data published with NAICS code 333415 include the following SIC industries:

3443 Fabricated plate work, boiler shops (pt)

3585 Refrigeration and heating equipment (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to

NAICS. Data for NAICS industry 333415 include establishments primarily engaged in the manufacture of metal cooling towers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3335 Metalworking Machinery Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33351, Metalworking Machinery Manufacturing.

33351 Metalworking Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

333511 Industrial Mold Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial molds for casting metals or forming other materials, such as plastics, glass, or rubber.

The data published with NAICS code 333511 include the following SIC industry:

3544 Special dies, tools, jigs, and fixtures (pt)

333512 Machine Tool (Metal Cutting Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cutting machine tools (except handtools).

The data published with NAICS code 333512 include the following SIC industries:

3541 Machine tools, metal cutting types

3699 Electrical equipment and supplies, n.e.c. (pt)

333513 Machine Tool (Metal Forming Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal forming machine tools (except handtools), such as punching, sheering, bending, forming, pressing, forging and die-casting machines.

The data published with NAICS code 333513 include the following SIC industries:

3542 Machine tools, metal forming types

333514 Special Die and Tool, Die Set, Jig, and Fixture Manufacturing

This U.S. industry comprises establishments, known as tool and die shops, primarily engaged in manufacturing special tools and fixtures, such as cutting dies and jigs.

The data published with NAICS code 333514 include the following SIC industry:

3544 Special dies, tools, jigs, and fixtures (pt)

333515 Cutting Tool and Machine Tool Accessory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing accessories and attachments for metal cutting and metal forming machine tools.

The data published with NAICS code 333515 include the following SIC industry:

3545 Machine tool accessories (pt)

333516 Rolling Mill Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rolling mill machinery and equipment for metal production.

The data published with NAICS code 333516 include the following SIC industry:

3547 Rolling mill machinery

333518 Other Metalworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal working machinery (except industrial molds; metal cutting machine tools; metal forming machine tools; special dies and tools, die sets, jigs, and fixtures; cutting tools and machine tool accessories; and rolling mill machinery and equipment).

The data published with NAICS code 333518 include the following SIC industry:

3549 Metalworking machinery, n.e.c.

3336 Engine, Turbine, and Power Transmission Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33361, Engine, Turbine, and Power Transmission Equipment Manufacturing.

33361 Engine, Turbine, and Power Transmission Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive gasoline and aircraft).

333611 Turbine and Turbine Generator Set Units Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing turbines (except aircraft); and complete turbine generator set units, such as steam, hydraulic, gas, and wind.

The data published with NAICS code 333611 include the following SIC industry:

3511 Turbines and turbine generator sets

333612 Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gears, speed changers, and industrial high-speed drives (except hydrostatic).

The data published with NAICS code 333612 include the following SIC industry:

3566 Speed changers, drives, and gears

333613 Mechanical Power Transmission Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment (except motor vehicle and aircraft), such as plain bearings, brakes and clutches (except motor vehicle and electromagnetic industrial control), couplings, joints, and drive chains.

The data published with NAICS code 333613 include the following SIC industry:

3568 Power transmission equipment, n.e.c.

333618 Other Engine Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing internal combustion engines (except automotive gasoline and aircraft).

The data published with NAICS code 333618 include the following SIC industries:

3519 Internal combustion engines, n.e.c. (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

3339 Other General-Purpose Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33391, Pump and Compressor Manufacturing; 33392, Material Handling Equipment Manufacturing; and 33399, All Other General-Purpose Machinery Manufacturing.

33391 Pump and Compressor Manufacturing

This industry comprises establishments primarily engaged in manufacturing pumps and compressors, such as general-purpose air and gas compressors, nonagricultural spraying and dusting equipment, general-purpose pumps and pumping equipment (except fluid power pumps and motors), and measuring and dispensing pumps.

333911 Pump and Pumping Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose pumps and pumping equipment (except fluid power pumps and motors), such as reciprocating pumps, turbine pumps, centrifugal pumps, rotary pumps, diaphragm pumps, domestic water system pumps, oil well and oil field pumps and sump pumps.

The data published with NAICS code 333911 include the following SIC industries:

3561 Pumps and pumping equipment

3743 Railroad equipment (pt)

333912 Air and Gas Compressor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose air and gas compressors, such as reciprocating compressors, centrifugal compressors, vacuum pumps (except laboratory), and nonagricultural spraying and dusting compressors and spray gun units.

The data published with NAICS code 333912 include the following SIC industry:

3563 Air and gas compressors

333913 Measuring and Dispensing Pump Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps, such as gasoline pumps and lubricating oil measuring and dispensing pumps.

The data published with NAICS code 333913 include the following SIC industry:

3586 Measuring and dispensing pumps

33392 Material Handling Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing material handling equipment, such as elevators and moving stairs; conveyors and conveying equipment; overhead traveling cranes, hoists, and monorail systems; and industrial trucks, tractors, trailers, and stacker machinery.

333921 Elevator and Moving Stairway Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing elevators and moving stairways.

The data published with NAICS code 333912 include the following SIC industry:

3534 Elevators and moving stairways

333922 Conveyor and Conveying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment, such as gravity conveyors, trolley conveyors, tow conveyors, pneumatic tube conveyors, carousel conveyors, farm conveyors, and belt conveyors.

The data published with NAICS code 333922 include the following SIC industries:

3523 Farm machinery and equipment (pt)

3535 Conveyors and conveying equipment

333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems.

The data published with NAICS code 333923 include the following SIC industries:

3531 Construction machinery (pt)

3536 Hoists, cranes, and monorails

333924 Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers (i.e., truck-type) such as forklifts, pallet loaders and unloaders, and portable loading docks.

The data published with NAICS code 333924 include the following SIC industry:

3537 Industrial trucks and tractors (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332994 do not include establishments primarily engaged in the manufacture of tranquilizer guns. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33399 All Other General-Purpose Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilation, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; and material handling equipment).

333991 Power-Driven Handtool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power-driven (e.g., battery, corded, pneumatic) handtools, such as drills, screwguns, circular saws, chain saws, staplers, and nailers.

The data published with NAICS code 333991 include the following SIC industry:

3546 Power-driven handtools

333992 Welding and Soldering Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing welding and soldering equipment and accessories (except transformers), such as arc, resistance, gas, plasma, laser, electron beam, and ultrasonic welding equipment; welding electrodes; coated or cored welding wire; and soldering equipment (except handheld).

The data published with NAICS code 333992 include the following SIC industries:

3548 Welding apparatus (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

333993 Packaging Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing packaging machinery, such as wrapping, bottling, canning, and labeling machinery.

The data published with NAICS code 333993 include the following SIC industry:

3565 Packaging machinery

333994 Industrial Process Furnace and Oven Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and kilns (except cement, chemical, wood).

The data published with NAICS code 333994 include the following SIC industry:

3567 Industrial furnaces and ovens

333995 Fluid Power Cylinder and Actuator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) cylinders and actuators.

The data published with NAICS code 333995 include the following SIC industries:

3593 Fluid power cylinders and actuators

3728 Aircraft parts and equipment, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333995 include establishments primarily engaged in the manufacture of aerospace-type fluid power actuators. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333996 Fluid Power Pump and Motor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) pumps and motors.

The data published with NAICS code 333996 include the following SIC industries:

3594 Fluid power pumps and motors

3728 Aircraft parts and equipment, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333996 include establishments primarily engaged in the manufacture of aerospace-type fluid power actuators. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333997 Scale and Balance (Except Laboratory) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing scales and balances (except laboratory).

The data published with NAICS code 333997 include the following SIC industry:

3596 Scales and balances, except laboratory

333999 All Other Miscellaneous General-Purpose Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilating, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery;

engines, turbines, and power transmission equipment; pumps and compressors; material handling equipment; power-driven handtools; welding and soldering equipment; packaging machinery; industrial process furnaces and ovens; fluid power cylinders and actuators; fluid power pumps and motors; and scales and balances).

The data published with NAICS code 333999 include the following SIC industries:

3569 General industrial machinery, n.e.c.

3599 Industrial machinery, n.e.c. (pt)

334 Computer and Electronic Product Manufacturing

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of NAICS because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment are brought together. As new activities emerge, they are less likely, therefore, to cross the subsector boundaries of the classification.

3341 Computer and Peripheral Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33411, Computer and Peripheral Equipment Manufacturing.

33411 Computer and Peripheral Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

334111 Electronic Computer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

The data published with NAICS code 334111 include the following SIC industry:

3571 Electronic computers

334112 Computer Storage Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer storage devices that allow the storage and retrieval of data from a phase change, magnetic, optical, or magnetic/optical media. Examples of products made by these establishments are CD-ROM drives, floppy disk drives, hard disk drives, and tape storage and backup units.

The data published with NAICS code 334112 include the following SIC industry:

3572 Computer storage devices

334113 Computer Terminal Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

The data published with NAICS code 334113 include the following SIC industry:

3575 Computer terminals

334119 Other Computer Peripheral Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

The data published with NAICS code 334119 include the following SIC industries:

3577 Computer peripheral equipment, n.e.c.

3578 Calculating and accounting equipment (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334119 include establishments primarily engaged in the manufacture of laser products.

3342 Communications Equipment Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33421, Telephone Apparatus Manufacturing; 33422, Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing; and 33429, Other Communications Equipment Manufacturing.

33421 Telephone Apparatus Manufacturing

This industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

334210 Telephone Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

The data published with NAICS code 334210 include the following SIC industry:

3661 Telephone and telegraph apparatus (pt)

33422 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

334220 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

The data published with NAICS code 334220 include the following SIC industries:

3663 Radio and TV communications equipment

3679 Electronic components, n.e.c. (pt)

33429 Other Communications Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, and radio and television broadcast, and wireless communications equipment).

334290 Other Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

The data published with NAICS code 334290 include the following SIC industry:

3669 Communications equipment, n.e.c.

3343 Audio and Video Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33431, Audio and Video Equipment Manufacturing.

33431 Audio and Video Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

334310 Audio and Video Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

The data published with NAICS code 334310 include the following SIC industry:

3651 Household audio and video equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334310 do not include establishments primarily engaged in the manufacture of radio headphones. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3344 Semiconductor and Other Electronic Component Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33441, Semiconductor and Other Electronic Component Manufacturing.

33441 Semiconductor and Other Electronic Component Manufacturing

This industry comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products

made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

334411 Electron Tube Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

The data published with NAICS code 334411 include the following SIC industries:

3671 Electron tubes

334412 Bare Printed Circuit Board Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.

The data published with NAICS code 334412 include the following SIC industry:

3672 Printed circuit boards

334413 Semiconductor and Related Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells, and other optoelectronic devices.

The data published with NAICS code 334413 include the following SIC industry:

3674 Semiconductors and related devices

334414 Electronic Capacitor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

The data published with NAICS code 334414 include the following SIC industry:

3675 Electronic capacitors

334415 Electronic Resistor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

The data published with NAICS code 334415 include the following SIC industry:

3676 Electronic resistors

334416 Electronic Coil, Transformer, and Other Inductor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

The data published with NAICS code 334416 include the following SIC industries:

3661 Telephone and telegraph apparatus (pt)

3677 Electronic coils and transformers

3825 Instruments to measure electricity (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334416 include establishments primarily engaged in the manufacture of telephone transformers or portable instrument transformers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334417 Electronic Connector Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial, cylindrical, rack and panel, pin and sleeve, printed circuit and fiber optic.

The data published with NAICS code 334417 include the following SIC industry:

3678 Electronic connectors

334418 Printed Circuit Assembly (Electronic Assembly) Manufacturing

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

The data published with NAICS code 334418 include the following SIC industries:

3661 Telephone and telegraph apparatus (pt)

3679 Electronic components, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334418 do not include

establishments primarily engaged in the manufacture of plotter controllers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334419 Other Electronic Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers and other inductors; connectors; and loaded printed circuit boards).

The data published with NAICS code 334419 include the following SIC industry:

3679 Electronic components, n.e.c. (pt)

3345 Navigational, Measuring, Medical, and Control Instruments Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33451, Navigational, Measuring, Medical, and Control Instruments Manufacturing.

33451 Navigational, Measuring, Medical, and Control Instruments Manufacturing

This industry comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

334510 Electromedical and Electrotherapeutic Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

The data published with NAICS code 334510 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3842 Surgical appliances and supplies (pt)

3845 Electromedical equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334510 include establishments primarily engaged in the manufacture of electro-medical laser products.

334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

The data published with NAICS code 334511 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3812 Search and navigation equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334511 include establishments primarily engaged in the manufacture of search and detection laser products.

334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration and appliances.

The data published with NAICS code 334512 include the following SIC industry:

3822 Environmental controls

334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display or control (monitor, analyze, and so forth) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

The data published with NAICS code 334513 include the following SIC industry:

3823 Process control instruments

334514 Totalizing Fluid Meter and Counting Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made

by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

The data published with NAICS code 334514 include the following SIC industry:

3824 Fluid meters and counting devices

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334514 do not include establishments primarily engaged in the manufacture of automotive ammeters and voltmeters or motor vehicle gauges. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334515 Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

The data published with NAICS code 334515 include the following SIC industry:

3825 Instruments to measure electricity (pt)

334516 Analytical Laboratory Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

The data published with NAICS code 334516 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3826 Analytical instruments

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334516 include establishments primarily engaged in the manufacture of analytical and scientific laser products.

334517 Irradiation Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

The data published with NAICS code 334517 include the following SIC industry:

3844 X-ray apparatus and tubes

334518 Watch, Clock, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

The data published with NAICS code 334518 include the following SIC industries:

3495 Wire springs (pt)

3579 Office machines, n.e.c. (pt)

3873 Watches, clocks, and watchcases

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334518 do not include establishments primarily engaged in the manufacture of electronic chronometers or watch jewels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334519 Other Measuring and Controlling Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

The data published with NAICS code 334519 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3829 Measuring and controlling devices, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334519 include establishments primarily engaged in the manufacture of commercial geophysical, meteorological, survey, and drafting laser products.

3346 Manufacturing and Reproducing Magnetic and Optical Media

This NAICS industry group includes establishments classified in NAICS Industry 33461, Manufacturing and Reproducing Magnetic and Optical Media.

33461 Manufacturing and Reproducing Magnetic and Optical Media

This industry comprises establishments primarily engaged in (1) manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or (2) mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

334611 Software Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software; they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

The data published with NAICS code 334611 include the following SIC industries:

7379 Computer Related Services, n.e.c. (pt)

334612 Prerecorded Compact Disc (Except Software), Tape, and Record Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

The data published with NAICS code 334612 include the following SIC industries:

3652 Prerecorded records and tapes

7819 Services allied to motion pictures (pt)

334613 Magnetic and Optical Recording Media Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

The data published with NAICS code 334613 include the following SIC industry:

3695 Magnetic and optical recording media

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334613 do not include establishments primarily engaged in the manufacture of magnetic tape cleaners. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335 Electrical Equipment, Appliance, and Component Manufacturing

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric lighting equipment manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household appliance manufacturing establishments make both small and major electrical appliances and parts. Electrical equipment manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other electrical equipment and component manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

3351 Electric Lighting Equipment Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33511, Electric Lamp Bulb and Parts Manufacturing; and 33512, Lighting Fixture Manufacturing.

33511 Electric Lamp Bulb and Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

335110 Electric Lamp Bulb and Part Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

The data published with NAICS code 335110 include the following SIC industry:

3641 Electric lamps

33512 Lighting Fixture Manufacturing

This industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except vehicular), nonelectric lighting equipment, lamp shades (except glass and plastics) and lighting fixture components (except current-carrying wiring devices).

335121 Residential Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

The data published with NAICS code 335121 include the following SIC industries:

- 3089 Plastics products, n.e.c. (pt)
- 3645 Residential lighting fixtures
- 3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 335121 include establishments primarily engaged in the manufacture of plastic lampshades. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

The data published with NAICS code 335122 include the following SIC industry:

- 3646 Commercial lighting fixtures

335129 Other Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular electric lighting fixtures) and nonelectric lighting equipment.

The data published with NAICS code 335129 include the following SIC industries:

- 3648 Lighting equipment, n.e.c.
- 3699 Electrical equipment and supplies, n.e.c. (pt)

3352 Household Appliance Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33521, Small Electrical Appliance Manufacturing; and 33522, Major Appliance Manufacturing.

33521 Small Electrical Appliance Manufacturing

This industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares, household-type fans, household-type vacuum cleaners, and other electric household-type floor care machines.

335211 Electric Housewares and Household Fan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

The data published with NAICS code 335211 include the following SIC industry:

- 3634 Electric housewares and fans (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 335211 do not include establishments primarily engaged in the manufacture of electric hair clippers for humans. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335212 Household Vacuum Cleaner Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

The data published with NAICS code 335212 include the following SIC industries:

- 3635 Household vacuum cleaners
- 3639 Household appliances, n.e.c. (pt)

33522 Major Appliance Manufacturing

This industry comprises establishments primarily engaged in manufacturing household-type cooking appliances, household-type laundry equipment, household-type refrigerators, upright and chest freezers, and other electrical and nonelectrical major household-type appliances, such as dishwashers, water heaters, and garbage disposal units.

335221 Household Cooking Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

The data published with NAICS code 335221 include the following SIC industry:

- 3631 Household cooking equipment

335222 Household Refrigerator and Home Freezer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

The data published with NAICS code 335222 include the following SIC industry:

3632 Household refrigerators and freezers

335224 Household Laundry Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

The data published with NAICS code 335224 include the following SIC industry:

3633 Household laundry equipment

335228 Other Major Household Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric and nonelectric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

The data published with NAICS code 335228 include the following SIC industry:

3639 Household appliances, n.e.c. (pt)

3353 Electrical Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33531, Electrical Equipment Manufacturing.

33531 Electrical Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

335311 Power, Distribution, and Specialty Transformer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

The data published with NAICS code 335311 include the following SIC industries:

3548 Welding apparatus (pt)

3612 Transformers

335312 Motor and Generator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

The data published with NAICS code 335312 include the following SIC industries:

3621 Motors and generators

7694 Armature rewinding shops (pt)

335313 Switchgear and Switchboard Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

The data published with NAICS code 335313 include the following SIC industry:

3613 Switchgear and switchboard apparatus

335314 Relay and Industrial Control Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

The data published with NAICS code 335314 include the following SIC industry:

3625 Relays and industrial controls

3359 Other Electrical Equipment and Component Manufacturing

This industry group comprises establishments manufacturing electrical equipment and components (except electric lighting equipment, household-type appliances, transformers, switchgear, relays, motors, and generators).

33591 Battery Manufacturing

This industry comprises establishments primarily engaged in manufacturing primary and storage batteries.

335911 Storage Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

The data published with NAICS code 335911 include the following SIC industry:

3691 Storage batteries

335912 Primary Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

The data published with NAICS code 335912 include the following SIC industry:

3692 Primary batteries, dry and wet

33592 Communication and Energy Wire and Cable Manufacturing

This industry comprises establishments insulating fiber-optic cable, and manufacturing insulated nonferrous wire and cable from nonferrous wire drawn in other establishments.

335921 Fiber Optic Cable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

The data published with NAICS code 335921 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

335929 Other Communication and Energy Wire Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

The data published with NAICS code 335929 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

33593 Wiring Device Manufacturing

This industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices and noncurrent-carrying wiring devices for wiring electrical circuits.

335931 Current-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

The data published with NAICS code 335931 include the following SIC industry:

3643 Current-carrying wiring devices

335932 Noncurrent-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

The data published with NAICS code 335932 include the following SIC industry:

3644 Noncurrent-carrying wiring devices

33599 All Other Electrical Equipment and Component Manufacturing

This industry comprises establishments primarily engaged in manufacturing electrical equipment (except electric lighting equipment, household-type appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, and wiring devices).

335991 Carbon and Graphite Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

The data published with NAICS code 335991 include the following SIC industry:

3624 Carbon and graphite products

335999 All Other Miscellaneous Electrical Equipment and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

The data published with NAICS code 335999 include the following SIC industries:

3629 Electrical industrial apparatus, n.e.c.

3699 Electrical equipment and supplies, n.e.c. (pt)

336 Transportation Equipment Manufacturing

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments - bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

NAICS has industry groups for the manufacture of equipment for each mode of transport - road, rail, air, and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

3361 Motor Vehicle Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33611, Automobile and Light Duty Motor Vehicle Manufacturing; and 33612, Heavy Duty Truck Manufacturing.

33611 Automobile and Light Duty Motor Vehicle Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or (2) manufacturing chassis only.

336111 Automobile Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete automobiles (i.e., body and chassis or unibody) or (2) manufacturing automobile chassis only.

The data published with NAICS code 336111 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

336112 Light Truck and Utility Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or (2) manufacturing light truck and utility vehicle chassis only. Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

The data published with NAICS code 336112 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

33612 Heavy Duty Truck Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

336120 Heavy Duty Truck Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

The data published with NAICS code 336120 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

3362 Motor Vehicle Body and Trailer Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33621, Motor Vehicle Body and Trailer Manufacturing.

33621 Motor Vehicle Body and Trailer Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing motor vehicle bodies and cabs or (2) manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies and detachable trailer chassis. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

336211 Motor Vehicle Body Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

The data published with NAICS code 336211 include the following SIC industries:

3711 Motor vehicles and car bodies (pt)

3713 Truck and bus bodies

3714 Motor vehicle parts and accessories (pt)

336212 Truck Trailer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

The data published with NAICS code 336212 include the following SIC industry:

3715 Truck trailers

336213 Motor Home Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing motor homes on purchased chassis and/or (2) manufacturing conversion vans on an assembly line basis. Motor homes are units where the motor and the living quarters are integrated in the same unit.

The data published with NAICS code 336213 include the following SIC industry:

3716 Motor homes

336214 Travel Trailer and Camper Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing travel trailers and campers designed to attach to motor vehicles; (2) manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and (3) manufacturing automobile, utility, and light-truck trailers. Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

The data published with NAICS code 336214 include the following SIC industries:

3792 Travel trailer and campers

3799 Transportation equipment, n.e.c. (pt)

3363 Motor Vehicle Parts Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33631, Motor Vehicle Gasoline Engine and Engine Parts Manufacturing; 33632, Motor Vehicle Electrical and Electronic Equipment Manufacturing; 33633, Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing; 33634, Motor Vehicle Brake System Manufacturing; 33635, Motor Vehicle Transmission and Power Train Parts Manufacturing; 33636, Motor Vehicle Seating and Interior Trim Manufacturing; 33637, Motor Vehicle Metal Stamping; and 33639, Other Motor Vehicle Parts Manufacturing.

33631 Motor Vehicle Gasoline Engine and Engine Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle gasoline engines and engine parts, whether or not for vehicular use.

336311 Carburetor, Piston, Piston Ring, and Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

The data published with NAICS code 336311 include the following SIC industries:

3592 Carburetors, pistons, rings, and valves

336312 Gasoline Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

The data published with NAICS code 336312 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33632 Motor Vehicle Electrical and Electronic Equipment Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing vehicular lighting and/or (2) manufacturing and/or rebuilding motor vehicle electrical and electronic equipment. The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trains, ships).

336321 Vehicular Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

The data published with NAICS code 336321 include the following SIC industry:

3647 Vehicular lighting equipment

336322 Other Motor Vehicle Electrical and Electronic Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

The data published with NAICS code 336322 include the following SIC industries:

3679 Electronic components, n.e.c. (pt)

3694 Engine electrical equipment

3714 Motor vehicle parts and accessories (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336322 include establishments primarily engaged in the manufacture of electronic control modular chips for motor vehicles. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33633 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

336330 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

The data published with NAICS code 336330 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33634 Motor Vehicle Brake System Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

336340 Motor Vehicle Brake System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

The data published with NAICS code 336340 include the following SIC industries:

3292 Asbestos products (pt)

3714 Motor vehicle parts and accessories (pt)

33635 Motor Vehicle Transmission and Power Train Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

336350 Motor Vehicle Transmission and Power Train Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

The data published with NAICS code 336350 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33636 Motor Vehicle Seating and Interior Trim Manufacturing

This industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

336360 Motor Vehicle Seating and Interior Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

The data published with NAICS code 336360 include the following SIC industries:

2396 Automotive and apparel trimmings (pt)

2399 Fabricated textile products, n.e.c. (pt)

2531 Public building and related furniture (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336360 do not include establishments primarily engaged in the manufacture of metal motor vehicle seat frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33637 Motor Vehicle Metal Stamping

This industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

336370 Motor Vehicle Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

The data published with NAICS code 336370 include the following SIC industry:

3465 Automotive stampings

33639 Other Motor Vehicle Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, and motor vehicle stampings).

336391 Motor Vehicle Air-Conditioning Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

The data published with NAICS code 336391 include the following SIC industry:

3585 Refrigeration and heating equipment (pt)

336399 All Other Motor Vehicle Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

The data published with NAICS code 336399 include the following SIC industries:

3519 Internal combustion engines, n.e.c. (pt)

3714 Motor vehicle parts and accessories (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336399 do not include establishments primarily engaged in the manufacture of luggage and utility racks or trailer hitches. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3364 Aerospace Product and Parts Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33641, Aerospace Product and Parts Manufacturing.

33641 Aerospace Product and Parts Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing complete aircraft, missiles, or space vehicles; (2) manufacturing aerospace engines, propulsion units, auxiliary equipment or parts; (3) developing and making prototypes of aerospace products; (4) aircraft conversion (i.e., major modifications to systems); and (5) complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336411 Aircraft Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing or assembling complete aircraft; (2) developing and making aircraft prototypes; (3) aircraft conversion (i.e., major modifications to systems); and (4) complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

The data published with NAICS code 336411 include the following SIC industry:

3721 Aircraft

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336411 do not include establishments primarily engaged in the manufacture of target drones. The NAICS definitions will be fully implemented with the 2002 Economic Census.

336412 Aircraft Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing aircraft engines and engine parts; (2) developing and making prototypes of aircraft engines and engine parts; (3) aircraft propulsion system conversion (i.e., major modifications to systems); and (4) aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

The data published with NAICS code 336412 include the following SIC industry:

3724 Aircraft engines and engine parts

336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or (2) developing and making prototypes of aircraft parts and auxiliary equipment. Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

The data published with NAICS code 336413 include the following SIC industry:

3728 Aircraft parts and equipment, n.e.c. (pt)

336414 Guided Missile and Space Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete guided missiles and space vehicles and/or (2) developing and making prototypes of guided missile or space vehicles.

The data published with NAICS code 336414 include the following SIC industry:

3761 Guided missiles and space vehicles

336415 Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and/or space vehicle propulsion units and propulsion unit parts and/or (2) developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

The data published with NAICS code 336415 include the following SIC industry:

3764 Space propulsion units and parts

336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or (2) developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

The data published with NAICS code 336419 include the following SIC industry:

3769 Space vehicle equipment, n.e.c.

3365 Railroad Rolling Stock Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33651, Railroad Rolling Stock Manufacturing.

33651 Railroad Rolling Stock Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

336510 Railroad Rolling Stock Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames, and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

The data published with NAICS code 336510 include the following SIC industries:

3531 Construction machinery (pt)

3743 Railroad equipment (pt)

3366 Ship and Boat Building

This NAICS industry group includes establishments classified in NAICS Industry 33661, Ship and Boat Building.

33661 Ship and Boat Building

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336611 Ship Building and Repairing

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

The data published with NAICS code 336611 include the following SIC industry:

3731 Ship building and repairing

336612 Boat Building

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

The data published with NAICS code 336612 include the following SIC industry:

3732 Boat building and repairing (pt)

3369 Other Transportation Equipment Manufacturing

This industry group comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles and parts, aerospace products and parts, railroad rolling stock, ship building, and boat manufacturing).

33699 Other Transportation Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, metal tricycles, complete military armored vehicles, tanks, self-propelled weapons, vehicles pulled by draft animals, and other transportation equipment (except motor vehicles, boats, ships, railroad rolling stock, and aerospace products), including parts thereof.

336991 Motorcycle, Bicycle, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment and parts.

The data published with NAICS code 336991 include the following SIC industries:

3751 Motorcycles, bicycles, and parts

3944 Games, toys, and children's vehicles (pt)

336992 Military Armored Vehicle, Tank, and Tank Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

The data published with NAICS code 336992 include the following SIC industries:

3711 Motor vehicles and car bodies (pt)

3795 Tanks and tank components

336999 All Other Transportation Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, armored vehicles, and tanks).

The data published with NAICS code 336999 include the following SIC industry:

3799 Transportation equipment, n.e.c. (pt)

337 Furniture and Related Product Manufacturing

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the

equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair, a fabric or plastics seat. Therefore, in NAICS, furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knock-down). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing

This industry group comprises establishments manufacturing household-type furniture, such as living room, kitchen, and bedroom furniture, and institutional (i.e., public building) furniture, such as furniture for schools, theaters, and churches.

33711 Wood Kitchen Cabinet and Countertop Manufacturing

This industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

337110 Wood Kitchen Cabinet and Countertop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

The data published with NAICS code 3371110 include the following SIC industries:

2434 Wood kitchen cabinets

2541 Wood partitions and fixtures (pt)

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337110 include establishments primarily engaged in manufacturing wood countertops as part of wood office and store fixtures. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33712 Household and Institutional Furniture Manufacturing

This industry comprises establishments primarily engaged in manufacturing household-type and public building furniture (i.e., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337121 Upholstered Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

The data published with NAICS code 337121 include the following SIC industries:

2512 Upholstered household furniture

2515 Mattresses and bedsprings (pt)

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337121 do not include establishments primarily engaged in manufacturing upholstered metal household furniture. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337122 Nonupholstered Wood Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337122 include the following SIC industries:

2511 Wood household furniture

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337122 include establishments primarily engaged in manufacturing wood box spring frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337124 Metal Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337124 include the following SIC industry:

2514 Metal household furniture

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337124 include establishments primarily engaged in manufacturing upholstered metal household furniture or metal box spring frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337125 Household Furniture (Except Wood and Metal) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed,

rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337125 include the following SIC industry:

2519 Household furniture, n.e.c.

337127 Institutional Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337127 include the following SIC industries:

2531 Public building and related furniture (pt)

2599 Furniture and fixtures, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337127 do not include establishments primarily engaged in manufacturing wood or nonwood lunchroom tables and chairs. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337129 Wood Television, Radio, and Sewing Machine Cabinet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

The data published with NAICS code 337129 include the following SIC industry:

2517 Wood TV and radio cabinets

3372 Office Furniture (Including Fixtures) Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33721, Office Furniture (Including Fixtures) Manufacturing.

33721 Office Furniture (Including Fixtures) Manufacturing

This industry comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337211 Wood Office Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337211 include the following SIC industry:

2521 Wood office furniture

337212 Custom Architectural Woodwork and Millwork Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

The data published with NAICS code 337212 include the following SIC industry:

2541 Wood partitions and fixtures (pt)

337214 Office Furniture (Except Wood) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337214 include the following SIC industry:

2522 Office furniture, except wood

337215 Showcase, Partition, Shelving, and Locker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

The data published with NAICS code 337215 include the following SIC industries:

2426 Hardwood dimension and flooring mills (pt)

2541 Wood partitions and fixtures (pt)

2542 Partitions and fixtures, except wood

3499 Fabricated metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337215 include establishments primarily engaged in manufacturing wood or non-wood lunchroom tables and chairs, but do not include establishments primarily engaged in manufacturing wood or metal box spring frames, finished plastic furniture parts, convertible bed sleeper mechanisms or chair glides. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3379 Other Furniture Related Product Manufacturing

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

33791 Mattress Manufacturing

This industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

337910 Mattress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

The data published with NAICS code 337910 include the following SIC industry:

2515 Mattresses and bedsprings (pt)

33792 Blind and Shade Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

337920 Blind and Shade Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

The data published with NAICS code 337920 include the following SIC industry:

2591 Drapery hardware, blinds, and shades

339 Miscellaneous Manufacturing

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific NAICS subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

3391 Medical Equipment and Supplies Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33911, Medical Equipment and Supplies Manufacturing.

33911 Medical Equipment and Supplies Manufacturing

This industry comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

339111 Laboratory Apparatus and Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laboratory apparatus and laboratory and hospital furniture (except dental). Examples of products made by these establishments are hospital beds, operating room tables, laboratory balances and scales, furnaces, ovens, centrifuges, cabinets, cases, benches, tables, and stools.

The data published with NAICS code 339111 include the following SIC industry:

3821 Laboratory apparatus and furniture

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339111 do not include establishments primarily engaged in the manufacture of hospital beds or operating tables. The NAICS definitions will be fully implemented with the 2002 Economic Census.

339112 Surgical and Medical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus (except electrotherapeutic, electromedical, and irradiation apparatus). Examples of products made by these establishments are syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, and medical thermometers.

The data published with NAICS code 339112 include the following SIC industries:

3829 Measuring and controlling devices, n.e.c. (pt)

3841 Surgical and medical instruments

339113 Surgical Appliance and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing surgical appliances and supplies. Examples of products made by these establishments are orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, and personal industrial safety devices (except protective eyewear).

The data published with NAICS code 339113 include the following SIC industries:

2599 Furniture and fixtures, n.e.c. (pt)

3842 Surgical appliances and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339113 do not include establishments primarily engaged in the manufacture of rubber gloves and life jackets. The NAICS definitions will be fully implemented with the 2002 Economic Census.

339114 Dental Equipment and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dental equipment and supplies used by dental laboratories and offices of dentists, such as dental chairs, dental instrument delivery systems, dental hand instruments, and dental impression material.

The data published with NAICS code 339114 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3843 Dental equipment and supplies

339115 Ophthalmic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ophthalmic goods. Examples of products made by these establishments are prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, and reading glasses made to standard powers.

The data published with NAICS code 339115 include the following SIC industry:

3851 Ophthalmic goods

339116 Dental Laboratories

This U.S. industry comprises establishments primarily engaged in manufacturing dentures, crowns, bridges, and orthodontic appliances customized for individual application.

The data published with NAICS code 339116 include the following SIC industry:

8072 Dental laboratories

3399 Other Miscellaneous Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33991, Jewelry and Silverware Manufacturing; 33992, Sporting and Athletic Goods Manufacturing; 33993, Doll, Toy, and Game Manufacturing; 33994, Office Supplies (Except Paper) Manufacturing; 33995, Sign Manufacturing; and 33999, All Other Miscellaneous Manufacturing.

33991 Jewelry and Silverware Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching jewelry; (2) manufacturing metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases); (3) manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter cutlery and flatware; (4) manufacturing, engraving, chasing, or etching personal metal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases); (5) stamping coins; (6) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (7) cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems; (8) recutting, repolishing, and setting gem stones; and (9) drilling, sawing, and peeling cultured and costume pearls.

339911 Jewelry (Except Costume) Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching precious metal solid or precious metal clad jewelry; (2) manufacturing, engraving, chasing, or etching personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases) made of precious solid or clad metal; and (3) stamping coins.

The data published with NAICS code 339911 include the following SIC industries:

3479 Metal coating and allied services (pt)

3911 Jewelry, precious metal

339912 Silverware and Holloware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter flatware and other plated ware.

The data published with NAICS code 339912 include the following SIC industries:

3479 Metal coating and allied services (pt)

3914 Silverware and plated ware (pt)

339913 Jewelers' Material and Lapidary Work Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (2) cutting, slabbing, tumbling, carving, engraving, polishing or faceting precious or semiprecious stones and gems; (3) recutting, repolishing, and setting gem stones; and (4) drilling, sawing, and peeling cultured pearls.

The data published with NAICS code 339913 include the following SIC industry:

3915 Jewelers' materials and lapidary work

339914 Costume Jewelry and Novelty Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing, engraving, chasing, and etching costume jewelry; and/or (2) manufacturing, engraving, chasing, or etching nonprecious metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases). This industry includes establishments primarily engaged in manufacturing precious plated jewelry and precious plated personal goods.

The data published with NAICS code 339914 include the following SIC industries:

3479 Metal coating and allied services (pt)

3499 Fabricated metal products, n.e.c. (pt)

3961 Costume jewelry

33992 Sporting and Athletic Goods Manufacturing

This industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

339920 Sporting and Athletic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

The data published with NAICS code 339920 include the following SIC industry:

3949 Sporting and athletic goods, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339920 do not include establishments primarily engaged in the manufacture of wet suits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33993 Doll, Toy, and Game Manufacturing

This industry comprises establishments primarily engaged in manufacturing dolls, toys, and games, such as complete dolls, doll parts, doll clothes, action figures, toys, games (including electronic), hobby kits, and children's vehicles (except metal bicycles and tricycles).

339931 Doll and Stuffed Toy Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete dolls, doll parts, and doll clothes, action figures, and stuffed toys.

The data published with NAICS code 339931 include the following SIC industry:

3942 Dolls

339932 Game, Toy, and Children's Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing games (including electronic), toys, and children's vehicles (except bicycles and metal tricycles).

The data published with NAICS code 339932 include the following SIC industry:

3944 Games, toys, and children's vehicles (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339932 do not include

establishments primarily engaged in the manufacture of rubber toys, except dolls or embroidery kits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33994 Office Supplies (Except Paper) Manufacturing

This industry comprises establishments primarily engaged in manufacturing office supplies. Examples of products made by these establishments are pens, pencils, felt tip markers, crayons, chalk, pencil sharpeners, staplers, hand operated stamps, modeling clay, and inked ribbons.

339941 Pen and Mechanical Pencil Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing pens, ballpoint pen refills and cartridges, mechanical pencils, and felt tipped markers.

The data published with NAICS code 339941 include the following SIC industry:

3951 Pens and mechanical pencils

339942 Lead Pencil and Art Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmechanical pencils and art goods. Examples of products made by these establishments are pencil leads, crayons, chalk, framed blackboards, pencil sharpeners, staplers, artists' palettes and paints, and modeling clay.

The data published with NAICS code 339942 include the following SIC industries:

2531 Public building and related furniture (pt)

3579 Office machines, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

339943 Marking Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing marking devices, such as hand operated stamps, embossing stamps, stamp pads, and stencils.

The data published with NAICS code 339943 include the following SIC industry:

3953 Marking devices

339944 Carbon Paper and Inked Ribbon Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon paper and inked ribbons.

The data published with NAICS code 339944 include the following SIC industry:

3955 Carbon paper and inked ribbons

33995 Sign Manufacturing

This industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

339950 Sign Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

The data published with NAICS code 339950 include the following SIC industries:

3993 Signs and advertising specialties

33999 All Other Miscellaneous Manufacturing

This industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), and signs).

339991 Gasket, Packing, and Sealing Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gaskets, packing, and sealing devices of all materials.

The data published with NAICS code 339991 include the following SIC industry:

3053 Gaskets, packing and sealing devices

339992 Musical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing musical instruments (except toys).

The data published with NAICS code 339992 include the following SIC industry:

3931 Musical instruments

339993 Fastener, Button, Needle, and Pin Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fasteners, buttons, needles, pins, and buckles (except precious metals or precious and semiprecious stones and gems).

The data published with NAICS code 339993 include the following SIC industries:

3131 Footwear cut stock and findings (pt)

3965 Fasteners, buttons, needles, and pins

339994 Broom, Brush, and Mop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brooms, mops, and brushes.

The data published with NAICS code 339994 include the following SIC industries:

2392 Housefurnishings, n.e.c. (pt)

3991 Brooms and brushes

339995 Burial Casket Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing burial caskets, cases, and vaults (except concrete).

The data published with NAICS code 339995 include the following SIC industry:

3995 Burial caskets

339999 All Other Miscellaneous Manufacturing

This U.S. industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical

equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), musical instruments, fasteners, buttons, needles, pins, brooms, brushes, mops, and burial caskets).

The data published with NAICS code 339999 include the following SIC industries:

2499 Wood products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339999 do not include establishments primarily engaged in the manufacture of electronic cigarette lighters. The NAICS definitions will be fully implemented with the 2002 Economic Census.

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these

establishments but were included in the product and material “not specified by kind” (nsc) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as “All other” industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

- a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the nsk categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SIC-based U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no “resistance rules” or “frozen industries.”

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry’s output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail component. The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 Economic Census – Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference

estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic

census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

Appendix D. Geographic Notes

NEW JERSEY

Glen Ridge was incorporated in May 1993.

North Caldwell was incorporated in January 1992.

Appendix E. Metropolitan Areas

NEW JERSEY

Atlantic—Cape May, NJ PMSA

Atlantic County, NJ

Cape May County, NJ

Bergen—Passaic, NJ PMSA

Bergen County, NJ

Passaic County, NJ

Jersey City, NJ PMSA

Hudson County, NJ

Middlesex—Somerset—Hunterdon, NJ PMSA

Hunterdon County, NJ

Middlesex County, NJ

Somerset County, NJ

Monmouth—Ocean, NJ PMSA

Monmouth County, NJ

Ocean County, NJ

New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA

Bergen—Passaic, NJ PMSA

Bergen County, NJ

Passaic County, NJ

Bridgeport, CT PMSA

Fairfield County, CT (Part)

Bridgeport city, CT

Fairfield town, CT

Monroe town, CT

Shelton city, CT

Stratford town, CT

Trumbull town, CT

New Haven County, CT (Part)

Ansonia city, CT

Derby city, CT

Milford city, CT

Seymour town, CT

New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA—Con.

Danbury, CT PMSA

Fairfield County, CT (Part)

Bethel town, CT

Brookfield town, CT

Danbury city, CT

New Fairfield town, CT

Newtown town, CT

Ridgefield town, CT

Litchfield County, CT (Part)

New Milford town, CT

Dutchess County, NY PMSA

Dutchess County, NY

Jersey City, NJ PMSA

Hudson County, NJ

Middlesex—Somerset—Hunterdon, NJ PMSA

Hunterdon County, NJ

Middlesex County, NJ

Somerset County, NJ

Monmouth—Ocean, NJ PMSA

Monmouth County, NJ

Ocean County, NJ

Nassau—Suffolk, NY PMSA

Nassau County, NY

Suffolk County, NY

New Haven—Meriden, CT PMSA

Middlesex County, CT (Part)

Clinton town, CT

New Haven County, CT (Part)

Branford town, CT

Cheshire town, CT

East Haven town, CT

**New York—Northern New Jersey—Long Island,
NY—NJ—CT—PA CMSA—Con.**

New Haven—Meriden, CT PMSA—Con.

New Haven County, CT (Part)—Con.

Guilford town, CT

Hamden town, CT

Madison town, CT

Meriden city, CT

New Haven city, CT

North Branford town, CT

North Haven town, CT

Orange town, CT

Wallingford town, CT

West Haven city, CT

New York, NY PMSA

Bronx County, NY

Kings County, NY

New York County, NY

Putnam County, NY

Queens County, NY

Richmond County, NY

Rockland County, NY

Westchester County, NY

Newark, NJ PMSA

Essex County, NJ

Morris County, NJ

Sussex County, NJ

Union County, NJ

Warren County, NJ

Newburgh, NY—PA PMSA

Orange County, NY

Pike County, PA

Stamford—Norwalk, CT PMSA

Fairfield County, CT (Part)

Darien town, CT

Greenwich town, CT

New Canaan town, CT

Norwalk city, CT

**New York—Northern New Jersey—Long Island,
NY—NJ—CT—PA CMSA—Con.**

Stamford—Norwalk, CT PMSA—Con.

Fairfield County, CT (Part)—Con.

Stamford city, CT

Westport town, CT

Wilton town, CT

Trenton, NJ PMSA

Mercer County, NJ

Waterbury, CT PMSA

Litchfield County, CT (Part)

Watertown town, CT

New Haven County, CT (Part)

Naugatuck, CT

Southbury town, CT

Waterbury city, CT

Wolcott town, CT

Newark, NJ PMSA

Essex County, NJ

Morris County, NJ

Sussex County, NJ

Union County, NJ

Warren County, NJ

Philadelphia, PA—NJ PMSA

Burlington County, NJ

Camden County, NJ

Gloucester County, NJ

Salem County, NJ

Bucks County, PA

Chester County, PA

Delaware County, PA

Montgomery County, PA

Philadelphia County, PA

**Philadelphia—Wilmington—Atlantic City,
PA—NJ—DE—MD CMSA**

Atlantic—Cape May, NJ PMSA

Atlantic County, NJ

Cape May County, NJ

**Philadelphia—Wilmington—Atlantic City,
PA—NJ—DE—MD CMSA—Con.**

Philadelphia, PA—NJ PMSA

Burlington County, NJ

Camden County, NJ

Gloucester County, NJ

Salem County, NJ

Bucks County, PA

Chester County, PA

Delaware County, PA

Montgomery County, PA

Philadelphia County, PA

**Philadelphia—Wilmington—Atlantic City,
PA—NJ—DE—MD CMSA—Con.**

Vineland—Millville—Bridgeton, NJ PMSA

Cumberland County, NJ

Wilmington—Newark, DE—MD PMSA

New Castle County, DE

Cecil County, MD

Trenton, NJ PMSA

Mercer County, NJ

Vineland—Millville—Bridgeton, NJ PMSA

Cumberland County, NJ

