

4. MANUFACTURING

A major source of manufacturing industry data is the *Census of Manufactures*, compiled every five years by the U.S. Department of Commerce, Bureau of the Census. The 1997 Economic Censuses detail industry data in accordance with the new North American Industry Classification System (NAICS). For details regarding the differences between the NAICS and the Standard Industrial Classification (SIC), see <<http://www.census.gov/epcd/www/naicsusr.html#BREAKS>>. "Bridge tables," published in the 1997 Census, also provide comparability between current industry specific data and data collected under the prior system.

TABLE OF CONTENTS

- TABLE 4.1 — NUMBER OF MANUFACTURING ESTABLISHMENTS, EMPLOYEES, AND PRODUCTION WORKERS AND VALUE ADDED BY MANUFACTURE, TENNESSEE, 1899—2000, SELECTED YEARS
- TABLE 4.2 — MANUFACTURING STATISTICS, BY SECTOR, TENNESSEE, 1999 AND 2000 [Dollar amounts in millions]
- FIGURE 4.1 — Manufacturing Employment and Value Added, Distribution by Sector, Tennessee, 2000**
- TABLE 4.3 — NUMBER OF MANUFACTURING EMPLOYEES, ANNUAL PAYROLL, AND NUMBER OF ESTABLISHMENTS BY SECTOR AND BY EMPLOYMENT-SIZE CLASS, TENNESSEE, 2000
- TABLE 4.4 — AVERAGE WEEKLY HOURS AND AVERAGE WEEKLY AND HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS, BY SECTOR, TENNESSEE, 1997—2001
- TABLE 4.5 — POLLUTION ABATEMENT OPERATING COSTS, BY INDUSTRY GROUP AND BY TYPE OF MEDIA, TENNESSEE, 1994 [In millions of dollars]
- TABLE 4.6 — POLLUTION ABATEMENT CAPITAL EXPENDITURES, BY TYPE OF POLLUTANT ABATED, TENNESSEE, 1978—1994, SELECTED YEARS [In millions of dollars]
- TABLE 4.7 — SHIPMENTS AND EMPLOYMENT RELATED TO MANUFACTURED EXPORTS, TENNESSEE, 1997
- TABLE 4.8 — AVERAGE WEEKLY HOURS AND AVERAGE WEEKLY AND HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS, METROPOLITAN STATISTICAL AREAS, 1955—2001, SELECTED YEARS [Earnings in dollars]
- TABLE 4.9 — MANUFACTURING STATISTICS, METROPOLITAN STATISTICAL AREAS, 1997
- TABLE 4.10 — MANUFACTURING STATISTICS, BY SECTOR, CHATTANOOGA METROPOLITAN STATISTICAL AREA, 1997
- TABLE 4.11 — MANUFACTURING STATISTICS, BY SECTOR, CLARKSVILLE-HOPKINSVILLE METROPOLITAN STATISTICAL AREA, 1997
- TABLE 4.12 — MANUFACTURING STATISTICS, BY SECTOR, JACKSON METROPOLITAN STATISTICAL AREA, 1997
- TABLE 4.13 — MANUFACTURING STATISTICS, BY SECTOR, JOHNSON CITY-KINGSPORT-BRISTOL METROPOLITAN STATISTICAL AREA, 1997
- TABLE 4.14 — MANUFACTURING STATISTICS, BY SECTOR, KNOXVILLE METROPOLITAN STATISTICAL AREA, 1997
- TABLE 4.15 — MANUFACTURING STATISTICS, BY SECTOR, MEMPHIS METROPOLITAN STATISTICAL AREA, 1997

TABLE OF CONTENTS, CONTINUED

- TABLE 4.16 — MANUFACTURING STATISTICS, BY SECTOR, NASHVILLE METROPOLITAN STATISTICAL AREA, 1997
- TABLE 4.17 — MANUFACTURING EMPLOYEES AND PAYROLL, AND NUMBER OF ESTABLISHMENTS BY EMPLOYMENT-SIZE CLASS, COUNTIES, 2000
- TABLE 4.18 — MANUFACTURING STATISTICS, COUNTIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997
- TABLE 4.19 — MANUFACTURING STATISTICS, CITIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997
- TABLE 4.20 — MANUFACTURING STATISTICS, SOUTHEASTERN STATES, 1997
- TABLE 4.21 — AVERAGE HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS, SOUTHEASTERN STATES AND UNITED STATES, 1975—2001, SELECTED YEARS [In dollars]
- TABLE 4.22 — NUMBER OF EMPLOYEES IN MANUFACTURING ESTABLISHMENTS, SOUTHEASTERN STATES AND UNITED STATES, 1950—2001, SELECTED YEARS [Thousands]
- TABLE 4.23 — SHIPMENTS AND EMPLOYMENT RELATED TO MANUFACTURED EXPORTS, SOUTHEASTERN STATES AND UNITED STATES, 1997

TABLE 4.1 — NUMBER OF MANUFACTURING ESTABLISHMENTS, EMPLOYEES, AND PRODUCTION WORKERS AND VALUE ADDED BY MANUFACTURE, TENNESSEE, 1899—2000, SELECTED YEARS

Year	Total establishments	Total employees	Total production workers	Value added by manufacture (\$1,000)
2000	n.a.	468,246	359,751	47,651,034
1999	n.a.	477,168	368,636	47,627,493
1998	n.a.	483,484	373,265	46,195,939
1997 ^a	7,384	482,639	374,140	44,527,758
1996	n.a.	533,100	397,400	42,287,800
1995	n.a.	551,700	413,200	43,088,400
1994	n.a.	534,500	400,300	41,817,400
1993	n.a.	514,800	379,000	38,336,400
1992	7,608	499,100	366,800	35,837,800
1991	n.a.	493,000	358,200	32,499,400
1990	n.a.	503,700	369,000	30,245,000
1989	n.a.	499,600	371,600	30,648,800
1988	n.a.	493,700	366,000	28,851,500
1987	6,864	484,900	359,200	27,049,700
1986	n.a.	466,600	341,300	23,624,900
1985	n.a.	468,200	344,400	22,223,800
1984	n.a.	477,000	353,200	21,963,900
1983	n.a.	457,400	336,600	19,868,300
1982	6,417	461,600	337,500	17,841,600
1981 ^b	5,753	493,583	n.a.	n.a.
1980 ^b	5,739	509,694	n.a.	n.a.
1979 ^b	5,765	524,443	n.a.	n.a.
1977	6,487	489,800	375,700	12,663,400
1975	n.a.	452,100	338,000	9,289,200
1973	n.a.	493,300	389,300	8,772,500
1971	n.a.	444,200	346,900	6,728,900
1969	n.a.	456,300	360,500	5,982,100
1967	5,040	418,000	333,600	4,921,100
1965	n.a.	373,400	299,200	4,139,400
1963	4,787	334,900	266,969	3,299,300
1958	4,508	279,300	220,823	2,207,073
1954	4,058	267,496	214,027	1,678,786
1947	3,345	222,300	193,197	961,385
1939	2,225	152,179	131,024	318,378
1929	2,855	142,020	128,400	322,898
1919	4,426	107,725	94,564	210,201
1909	4,609	82,257	73,840	76,201
1899	3,116	49,292	45,963	38,190

n.a. not available or not comparable.

a. Beginning in 1997, data are for establishments as defined by the North American Industry Classification System (NAICS). This change in establishment definition affects the comparability of data over time (see text, Chapter 4, Manufacturing).

b. Data are from County Business Patterns and do not provide direct comparison with economic census data.

Source: U.S. Department of Commerce, Bureau of the Census, 2000 Annual Survey of Manufactures, Geographic Area Statistics, and earlier editions; 1992 Census of Manufactures, Geographic Area Series, Tennessee, and earlier editions; and County Business Patterns, 1979--1981.

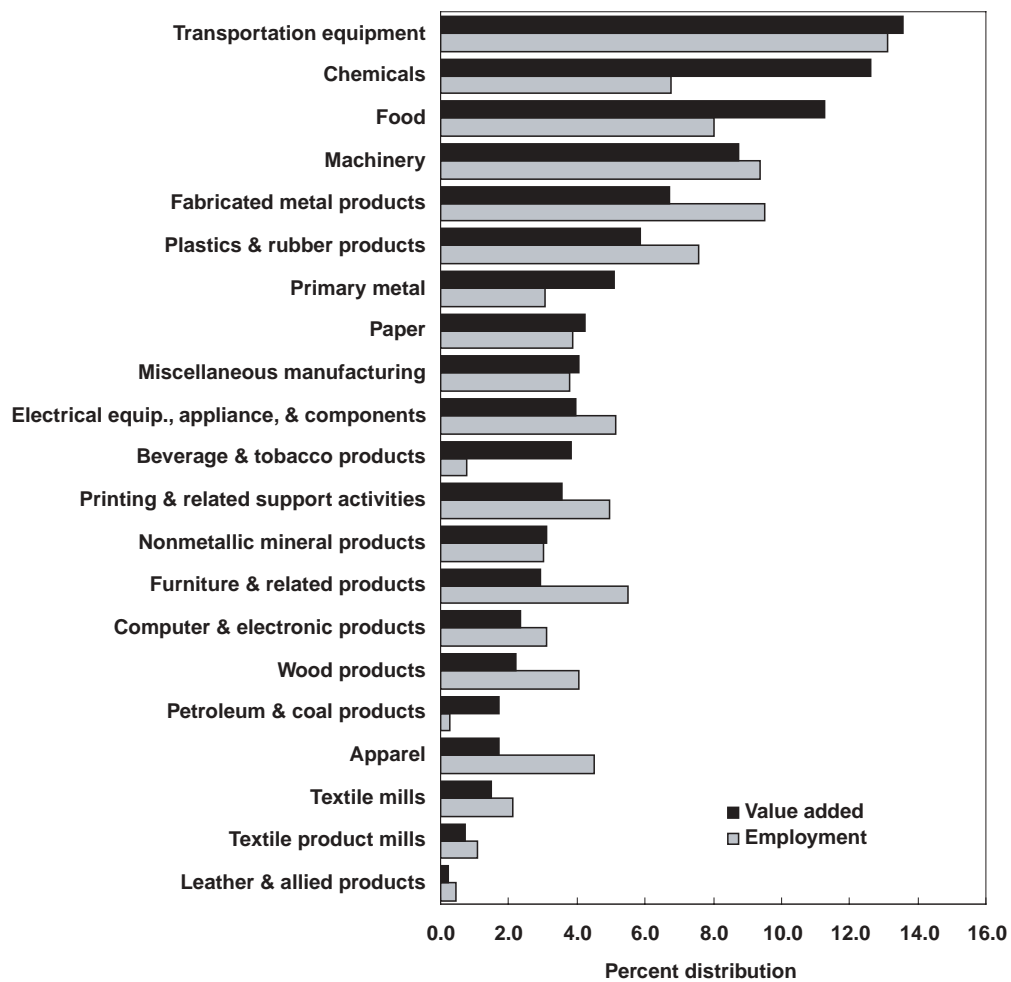
TABLE 4.2 — MANUFACTURING STATISTICS, BY SECTOR, TENNESSEE, 1999 AND 2000 [Dollar amounts in millions]

Sector	2000					1999			
	All employees Number (1,000)	Payroll	Production workers Number (1,000)	Wages	Value added by manu- facture	Value of shipments	New capital expendi- tures	Total employees (1,000)	Value added by manu- facture
All industries, total	468.2	\$15,323.8	359.8	\$9,976.5	\$47,651.0	\$104,201.3	\$3,647.2	477.2	\$47,627.5
Food	37.7	1,173.3	27.3	710.8	5,362.1	10,748.6	345.5	37.0	4,983.8
Beverage and tobacco products	3.5	124.0	2.0	70.6	1,831.5	2,929.9	49.6	3.5	1,906.3
Textile mills	9.8	274.8	8.3	205.4	708.8	1,691.2	37.4	10.9	765.7
Textile product mills	5.0	129.3	4.2	92.1	341.9	764.9	27.8	5.7	366.8
Apparel	21.0	379.3	17.3	254.0	808.1	1,645.0	25.7	26.5	986.8
Leather and allied products	2.1	47.8	1.8	34.3	113.7	225.0	2.4	2.2	112.5
Wood products	19.0	478.6	16.0	344.7	1,048.5	2,543.9	64.4	18.7	1,089.5
Paper	18.2	691.9	14.2	447.5	2,019.1	4,702.6	273.7	18.6	1,843.5
Printing and related support activities	23.2	766.8	18.1	514.5	1,687.2	2,738.0	112.2	22.5	1,533.3
Petroleum and coal products	1.2	47.3	0.8	31.1	826.2	2,046.3	70.4	1.4	264.7
Chemicals	31.6	1,475.9	17.6	662.0	6,015.8	10,588.9	459.0	32.8	6,278.6
Plastics and rubber products	35.4	1,106.0	29.1	784.8	2,793.1	6,084.5	334.7	35.2	2,983.5
Nonmetallic mineral products	14.2	511.6	11.2	382.5	1,487.7	2,492.4	246.4	14.4	1,492.7
Primary metal	14.4	532.1	11.4	387.8	2,437.4	4,614.6	157.1	15.4	2,404.0
Fabricated metal products	44.6	1,332.3	34.4	906.5	3,208.9	6,437.2	208.3	44.9	3,183.0
Machinery	43.9	1,346.4	34.0	885.1	4,161.4	10,008.4	221.8	42.6	4,049.4
Computer and electronic products	14.5	495.2	9.5	234.5	1,122.4	3,764.8	80.1	13.6	1,160.0
Electrical equipment, appliance, and components	24.0	717.2	19.6	505.6	1,891.8	4,446.7	115.5	26.0	1,972.5
Transportation equipment	61.4	2,524.8	49.0	1,776.8	6,458.9	20,057.6	658.9	61.7	6,966.4
Furniture and related products	25.8	627.5	21.1	441.8	1,400.8	2,659.7	62.4	25.6	1,356.2
Miscellaneous manufacturing	17.8	541.7	13.0	304.0	1,925.9	3,011.1	93.9	18.2	1,928.2

Note: Individual columns may not add to totals due to independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 2000 Annual Survey of Manufactures, Geographic Area Statistics.

FIGURE 4.1
Manufacturing Employment and Value Added, Distribution by Sector,
Tennessee, 2000



Source: U.S. Department of Commerce, Bureau of the Census, 2000 Annual Survey of Manufactures, Geographic Area Statistics.

TABLE 4.3 — NUMBER OF MANUFACTURING EMPLOYEES, ANNUAL PAYROLL, AND NUMBER OF ESTABLISHMENTS BY SECTOR AND BY EMPLOYMENT-SIZE CLASS, TENNESSEE, 2000

Sector	Employees ¹	Annual payroll	Employment-size class										
			Total	1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 to more	
All industries, total	475,621	\$15,997,958	7,093	2,144	1,130	1,006	1,135	629	614	269	116	50	
Food manufacturing	38,492	1,240,256	351	112	55	39	39	32	40	16	11	7	
Beverage and tobacco products	3,977	150,420	64	20	10	10	6	5	8	4	1	0	
Textile mills	9,846	284,434	92	20	13	8	13	11	13	10	4	0	
Textile product mills	5,654	145,925	137	60	18	14	16	12	11	6	0	0	
Apparel manufacturing	18,818	348,450	280	94	20	27	43	38	43	10	5	0	
Leather and allied products	2,860	53,920	41	11	6	4	6	4	6	3	1	0	
Wood products	20,320	500,208	608	182	112	120	109	34	38	9	3	1	
Paper manufacturing	17,293	712,070	172	16	16	14	30	37	42	14	2	1	
Printing and related support activities	23,156	773,116	774	322	174	95	105	33	25	11	6	3	
Petroleum and coal products	1,407	59,495	59	31	10	3	6	7	1	1	0	0	
Chemical manufacturing	30,509	1,490,277	281	63	42	51	46	28	31	14	3	3	
Plastics and rubber products	37,246	1,191,168	391	57	48	51	90	60	56	16	10	3	
Nonmetallic mineral product	15,021	531,526	365	90	58	67	92	22	25	8	2	1	
Primary metal manufacturing	16,968	670,757	161	30	19	17	26	23	24	17	3	2	
Fabricated metal products	46,843	1,438,233	1,147	311	191	215	208	108	76	28	9	1	
Machinery manufacturing	43,062	1,392,076	544	149	94	84	88	46	45	20	9	9	
Computer and electronic products	14,906	561,819	188	64	28	22	21	24	10	11	5	3	
Electrical equipment, appliances, and components	24,217	732,428	155	29	15	15	23	15	30	19	5	4	
Transportation equipment	61,153	2,522,751	307	56	33	39	47	30	36	36	23	7	
Furniture and related products	26,546	665,166	473	186	77	60	67	36	26	9	8	4	
Miscellaneous manufacturing	17,327	533,463	503	241	91	51	54	24	28	7	6	1	

Note: Data are for establishments as defined by the North American Industry Classification System (NAICS).

1. Number of employees for week including March 12.

Source: U.S. Census Bureau, County Business Patterns 2000, Tennessee.

TABLE 4.4 — AVERAGE WEEKLY HOURS AND AVERAGE WEEKLY AND HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS, BY SECTOR, TENNESSEE, 1997—2001

Sector	2001	2000	1999	1998	1997
	Average weekly earnings				
All manufacturing	\$524.10	\$519.38	\$507.50	\$488.43	\$482.45
Durable goods	520.09	517.45	504.23	488.82	484.45
Lumber and wood products	411.17	390.37	399.38	384.87	367.93
Furniture and fixtures	438.37	460.58	445.79	420.53	399.12
Stone, clay and glass products	547.87	614.00	561.60	567.06	600.88
Primary metal industries	659.62	612.81	564.72	553.28	546.96
Fabricated metal products	567.22	542.84	525.84	507.49	503.81
Industrial machinery and equipment	506.90	512.08	499.02	498.11	496.23
Electronic & other electric equipment	456.55	459.03	435.86	434.46	439.82
Transportation equipment	568.33	576.87	599.08	565.55	558.73
Instruments & related products	653.12	606.11	589.30	562.13	539.45
Nondurable goods	532.13	522.50	513.26	486.42	479.29
Food and kindred products	544.75	531.68	520.38	496.92	501.96
Textile mill products	426.70	423.44	425.95	404.37	399.90
Apparel and other textiles	344.12	326.16	300.96	291.41	287.96
Paper and allied products	597.08	592.43	613.01	588.27	586.79
Printing and publishing	536.51	533.89	537.21	512.93	517.33
Chemicals and allied products	688.18	697.32	654.74	627.66	613.77
Rubber & miscellaneous plastics	520.47	523.40	532.06	522.41	521.17
Leather and leather products	405.60	382.31	390.98	358.05	329.73
	Average hourly earnings				
All manufacturing	\$13.37	\$12.92	\$12.50	\$12.06	\$11.71
Durable goods	13.37	12.84	12.45	12.04	11.73
Lumber and wood products	10.57	10.30	10.06	9.55	9.04
Furniture and fixtures	12.01	11.84	11.46	10.98	10.13
Stone, clay and glass products	13.87	13.86	12.94	13.28	13.75
Primary metal industries	15.34	14.12	13.51	13.30	12.90
Fabricated metal products	14.04	13.24	12.58	12.17	12.14
Industrial machinery and equipment	13.41	13.03	12.73	12.36	11.90
Electronic & other electric equipment	12.24	11.74	11.41	11.14	10.78
Transportation equipment	14.61	14.07	14.03	13.37	13.24
Instruments & related products	15.70	14.57	14.20	14.34	13.52
Nondurable goods	13.37	13.03	12.58	12.07	11.69
Food and kindred products	13.19	12.75	12.39	12.30	11.98
Textile mill products	10.83	10.72	10.44	10.16	9.59
Apparel and other textiles	9.48	9.01	8.36	8.05	7.72
Paper and allied products	14.25	14.31	14.39	13.94	13.71
Printing and publishing	13.28	12.99	12.73	12.33	12.23
Chemicals and allied products	18.11	17.88	16.66	15.89	15.23
Rubber & miscellaneous plastics	13.21	13.02	12.79	12.35	12.35
Leather and leather products	10.40	9.93	9.75	9.30	8.84
	Average weekly hours				
All manufacturing	39.2	40.2	40.6	40.5	41.2
Durable goods	38.9	40.3	40.5	40.6	41.3
Lumber and wood products	38.9	37.9	39.7	40.3	40.7
Furniture and fixtures	36.5	38.9	38.9	38.3	39.4
Stone, clay and glass products	39.5	44.3	43.4	42.7	43.7
Primary metal industries	43.0	43.4	41.8	41.6	42.4
Fabricated metal products	40.4	41.0	41.8	41.7	41.5
Industrial machinery and equipment	37.8	39.3	39.2	40.3	41.7
Electronic & other electric equipment	37.3	39.1	38.2	39.0	40.8
Transportation equipment	38.9	41.0	42.7	42.3	42.2
Instruments & related products	41.6	41.6	41.5	39.2	39.9
Nondurable goods	39.8	40.1	40.8	40.3	41.0
Food and kindred products	41.3	41.7	42.0	40.4	41.9
Textile mill products	39.4	39.5	40.8	39.8	41.7
Apparel and other textiles	36.3	36.2	36.0	36.2	37.3
Paper and allied products	41.9	41.4	42.6	42.2	42.8
Printing and publishing	40.4	41.1	42.2	41.6	42.3
Chemicals and allied products	38.0	39.0	39.3	39.5	40.3
Rubber & miscellaneous plastics	39.4	40.2	41.6	42.3	42.2
Leather and leather products	39.0	38.5	40.1	38.5	37.3

Source: U. S. Department of Labor, Bureau of Labor Statistics <<http://www.bls.gov>>.

TABLE 4.5 — POLLUTION ABATEMENT OPERATING COSTS, BY INDUSTRY GROUP AND BY TYPE OF MEDIA, TENNESSEE, 1994 [In millions of dollars]

Industry group	Operating cost by kind of media				Kind of cost for all media					
	Total operating cost	Air	Water	Solid/contained waste	Depreciation	Salaries and wages	Fuel and electricity	Contract work/services	Materials, leasing, and misc.	Payments to government
TOTAL	\$504.3	\$126.4	\$214.1	\$163.8	\$85.7	\$102.9	\$58.0	\$103.0	\$101.2	\$53.3
Food and kindred products	35.4	7.3	20.7	7.4	4.1	3.2	4.0	6.0	3.0	15.1
Textile mill products	10.3	(D)	5.6	(D)	(D)	(D)	0.5	2.6	(D)	2.5
Lumber and wood products	3.6	(D)	0.4	(D)	0.3	0.6	0.6	1.3	0.2	0.6
Furniture and fixtures	4.8	1.1	0.7	3.0	0.4	0.6	0.6	1.8	0.5	0.9
Paper and allied products	32.5	6.5	15.8	10.2	8.3	3.2	3.0	4.5	7.3	6.2
Printing and publishing	13.1	7.4	1.4	4.3	1.9	2.2	4.2	2.2	1.4	1.1
Chemicals and allied products	236.5	46.5	121.4	68.5	40.9	63.2	25.5	41.8	59.0	6.2
Petroleum and coal products	12.0	7.6	2.0	2.4	3.2	0.9	1.0	3.6	2.8	0.4
Rubber & miscellaneous plastics products	16.0	3.1	3.9	9.0	0.9	2.5	1.4	7.2	1.4	2.5
Stone, clay, and glass products	15.7	7.9	2.9	4.9	3.8	2.2	2.2	4.6	1.7	1.2
Primary metal industries	37.6	15.3	7.8	14.5	6.6	6.5	5.1	8.3	9.5	1.5
Fabricated metal products	18.0	1.7	9.5	6.7	1.2	4.5	1.2	5.2	3.6	2.3
Industrial machinery and equipment	12.3	1.6	4.2	6.5	0.9	2.4	0.8	3.8	2.6	1.8
Electronic and other electric equipment	14.3	4.9	5.0	4.4	1.0	2.8	3.2	2.7	2.1	2.5
Transportation equipment	35.8	12.1	10.8	12.9	(D)	(D)	3.9	5.2	(D)	7.3
Instruments and related products	2.3	0.1	0.7	1.5	0.1	0.7	0.1	0.8	0.3	0.5
Miscellaneous manufacturing industries	3.4	0.8	1.0	1.6	0.4	0.5	0.7	1.2	0.2	0.5

Note: Detail may not add to total due to independent rounding. Data exclude industry group 23, apparel and other textiles. Only manufacturing establishments with 20 or more employees are covered. No industry is shown where pollution abatement operating cost is less than \$1.0 million. Only expenditures with the primary purpose of protecting the environment are included.

(D) Withheld to avoid disclosing operations of individual companies.

Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, Pollution Abatement Costs and Expenditures, 1994.

TABLE 4.6 — POLLUTION ABATEMENT CAPITAL EXPENDITURES, BY TYPE OF POLLUTANT ABATED, TENNESSEE, 1978—1994, SELECTED YEARS [in millions of dollars]

Year	Total pollution abatement capital expenditures	Air										Solid waste		
		Total ¹	Particulates		Sulfur oxides	Nitrogen oxides and carbon monoxide		Hydrocarbon volatile organic compounds		Lead	Hazardous air pollutants	Water	Total	
			(D)	(a)		(a)	(a)	(a)	(a)				(a)	(D)
1994	183.6	(D)	36.2	(a)	(a)	(a)	(a)	(a)	(a)	(a)	11.0	30.2	(D)	(D)
1993	127.9	83.1	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	n.a.	30.2	14.6	n.a.
1992	218.3	163.9	115.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)	29.5	33.5	21.0	6.8
1991	139.2	95.1	38.2	(D)	11.4	21.9	2.7	28.4	15.7	6.6	9.1	28.4	15.7	6.6
1990	136.3	84.4	36.3	1.7	2.6	38.8	0.1	39.2	12.7	7.9	4.8	39.2	12.7	7.9
1989	86.1	38.4	19.0	1.6	(D)	6.7	(D)	8.0	14.9	9.1	5.8	32.8	14.9	9.1
1988	148.2	42.8	23.4	(D)	(D)	10.6	(b)	78.9	26.5	13.0	13.5	78.9	26.5	13.0
1986	118.8	40.7	18.8	1.0	1.5	8.7	(b)	53.5	24.6	16.1	8.4	53.5	24.6	16.1
1985	88.9	37.7	11.6	1.7	0.5	12.5	0.1	38.6	12.6	8.7	3.9	38.6	12.6	8.7
1984	57.4	29.7	12.3	(D)	(D)	11.3	(D)	1.8	15.6	12.0	4.3	15.6	12.0	7.7
1983	62.6	33.4	19.6	(D)	(D)	3.4	(D)	24.9	4.4	1.1	3.3	24.9	4.4	1.1
1982	112.9	71.1	42.5	6.5	9.8 ^c	n.a.	n.a.	32.6	9.2	n.a.	n.a.	32.6	9.2	n.a.
1981	89.8	57.5	35.3	2.5	9.3 ^c	n.a.	n.a.	28.6	3.7	n.a.	n.a.	28.6	3.7	n.a.
1980	78.7	32.6	23.0	0.6	6.7 ^c	n.a.	n.a.	41.1	5.0	n.a.	n.a.	41.1	5.0	n.a.
1979	83.1	36.7	29.1	3.0	3.1 ^c	n.a.	n.a.	38.4	8.0	n.a.	n.a.	38.4	8.0	n.a.
1978	79.1	41.6	35.6	2.6	2.0 ^c	n.a.	n.a.	29.8	7.6	n.a.	n.a.	29.8	7.6	n.a.

Note: Data exclude industry 23, apparel and other textile products, and cover only establishments with 20 or more employees.

(D) Withheld to avoid disclosing operations of individual companies.

n.a. not available.

1. Total includes categories not detailed separately.

a. Beginning in 1992, 'Particulates' includes particulates, sulfur oxides, nitrogen oxides, carbon monoxide, hydrocarbons/volatile organic compounds, and lead.

b. Less than \$50,000.

c. Includes hydrocarbons.

Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, Pollution Abatement Costs and Expenditures, 1994, and earlier editions.

TABLE 4.7 — SHIPMENTS AND EMPLOYMENT RELATED TO MANUFACTURED EXPORTS, TENNESSEE, 1997

	Value of all manufacturers' shipments	All manufacturing employment	Employment related to		Export- supporting shipments	Employment related to supporting shipments	Total export- related shipments	Total export- related employment	Export-related as percent of all	
			Direct exports	direct exports					Ship- ments	Employ- ment
Total	\$98,503.1	483.8	\$10,298.0	46.0	\$6,691.9	33.0	\$16,989.9	79.0	17.25	16.32
Food	9,503.3	35.8	560.5	1.8	182.9	0.5	743.4	2.3	7.82	6.30
Beverage and tobacco products	2,686.1	3.8	366.5	0.6	13.7	(a)	380.3	0.6	14.16	17.11
Textile mills	1,757.5	12.2	277.8	1.8	398.6	2.9	676.4	4.7	38.49	38.25
Textile products	825.2	6.3	20.3	0.2	28.9	0.2	49.2	0.4	5.96	6.19
Apparel	3,143.9	36.6	264.4	3.0	51.3	0.6	315.7	3.5	10.04	9.66
Leather and allied products	259.2	2.9	37.3	0.4	7.0	0.1	44.3	0.5	17.10	16.16
Wood products	2,402.5	18.6	80.1	0.6	106.6	0.8	186.8	1.4	7.77	7.73
Paper	3,897.8	17.8	312.7	1.2	433.0	1.7	745.7	2.9	19.13	16.38
Printing & related support activities	2,862.1	25.1	7.1	0.1	110.0	1.0	117.1	1.0	4.09	4.09
Petroleum and coal products	1,938.6	1.3	4.3	(a)	36.9	(a)	41.2	(a)	2.13	2.13
Chemicals	10,115.1	34.2	1,941.6	6.8	1,828.1	6.3	3,769.7	13.1	37.27	38.41
Plastics and rubber products	5,801.6	35.1	399.0	2.5	433.3	2.8	832.3	5.3	14.35	15.08
Nonmetallic mineral products	2,323.0	14.2	271.8	1.8	129.0	0.8	400.8	2.6	17.29	18.07
Primary metals	5,153.7	16.3	517.5	1.1	1,172.1	3.7	1,689.6	4.8	32.78	29.74
Fabricated metal products	6,003.8	43.4	455.0	2.9	601.5	5.0	1,056.5	7.9	17.60	18.24
Machinery	8,426.9	40.5	1,122.9	5.4	278.3	1.5	1,401.2	6.9	16.63	16.95
Computers & electronic products	2,735.0	12.5	587.4	2.0	95.9	0.6	683.3	2.6	24.99	20.68
Electrical equipment, appliances, and components	4,528.5	25.3	376.4	2.1	123.5	0.8	500.0	2.9	11.04	11.52
Transportation equipment	18,661.3	55.7	2,313.3	8.9	534.8	2.4	2,848.1	11.3	15.26	20.30
Furniture and related products	2,365.5	26.5	73.1	0.9	77.6	1.0	150.7	1.9	6.37	7.05
Miscellaneous products	3,112.5	19.9	309.0	2.0	48.7	0.3	357.7	2.3	11.49	11.78

Note: Export data include both "direct" exports (exports manufactured in the U.S. and consumed in foreign markets) and "indirect" exports (intermediate goods and services required to manufacture exported goods). Export-related employment data shown do not include jobs involved in the exports of nonmanufactured goods such as farm products, minerals, and services sold to foreign buyers.
All dollar values are expressed in millions, all employment data in thousands.

(a) represents less than one half the unit of measure.

Source: U.S. Department of Commerce, U.S. Census Bureau, Exports from Manufacturing Establishments: 1997.

TABLE 4.8 — AVERAGE WEEKLY HOURS AND AVERAGE WEEKLY AND HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS, METROPOLITAN STATISTICAL AREAS, 1955–2001, SELECTED YEARS [Earnings in dollars]

Year	Johnson City-														
	Chattanooga			Kingsport-Bristol			Knoxville			Memphis			Nashville-Davidson		
	Weekly	Hourly	Hours	Weekly	Hourly	Hours	Weekly	Hourly	Hours	Weekly	Hourly	Hours	Weekly	Hourly	Hours
2001	\$496.75	\$12.77	38.9	\$488.91	\$12.90	37.9	\$536.93	\$13.16	40.8	\$569.84	\$14.07	40.5	\$568.01	\$14.49	39.2
2000	496.54	12.20	40.7	524.96	12.93	40.6	517.78	12.88	40.2	547.69	13.49	40.6	564.36	14.18	39.8
1999	486.22	11.66	41.7	513.51	12.87	39.9	505.12	12.35	40.9	532.00	13.30	40.0	537.05	13.46	39.9
1998	468.02	11.17	41.9	501.66	13.03	38.5	487.94	11.93	40.9	524.22	12.88	40.7	522.52	12.87	40.6
1997	455.99	10.78	42.3	500.54	12.64	39.6	459.50	11.29	40.7	510.38	12.21	41.8	522.83	12.69	41.2
1996	446.96	10.77	41.5	474.41	11.98	39.6	438.29	10.93	40.1	489.48	11.71	41.8	484.33	11.90	40.7
1995	424.23	10.74	39.5	437.53	11.19	39.1	425.41	10.88	39.1	450.47	11.29	39.9	467.57	11.46	40.8
1990	348.94	8.68	40.2	392.35	9.64	40.7	349.44	9.22	37.9	385.92	9.60	40.2	438.98	11.17	39.3
1985	307.93	7.42	41.5	374.85	8.82	42.5	360.93	8.89	40.6	361.15	8.64	41.8	376.65	9.30	40.5
1980	247.25	6.09	40.6	n.a.	n.a.	n.a.	274.51	6.88	39.9	275.77	6.86	40.2	256.89	6.52	39.4
1975	168.05	4.17	40.3	n.a.	n.a.	n.a.	176.91	4.49	39.4	187.80	4.66	40.3	163.8	4.20	39.0
1970	116.91	2.93	39.9	n.a.	n.a.	n.a.	120.87	3.06	39.5	122.31	3.02	40.5	117.20	2.93	40.0
1965	92.74	2.24	41.4	n.a.	n.a.	n.a.	96.63	2.38	40.6	97.11	2.34	41.5	92.74	2.24	41.4
1960	74.48	1.90	39.2	n.a.	n.a.	n.a.	84.38	2.12	39.8	81.81	2.01	40.7	78.58	1.95	40.3
1955	62.37	1.54	40.5	n.a.	n.a.	n.a.	69.20	1.73	40.0	69.01	1.62	42.6	n.a.	n.a.	n.a.

Note: Data are given for MSAs according to their boundaries at the time. See the "area definitions" in the source to see when area changes occurred. Memphis data exclude the DeSoto, Mississippi component. For state level data see Table 4.4

n.a. not available.

Source: U.S. Department of Labor, Bureau of Labor Statistics, <<http://www.bls.gov>>; and Employment and Earnings, States and Areas, 1939–1974; and Tennessee and Standard Metropolitan Statistical Areas, Employment Estimates, 1981, and earlier editions.

TABLE 4.9 — MANUFACTURING STATISTICS, METROPOLITAN STATISTICAL AREAS, 1997

Metropolitan Statistical Area	Establishments ¹		Employees ²		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total employees	20 or more employees	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
TENNESSEE	7,407	2,906	483,823	14,351,915	375,121	743,819	9,468,824	44,355,170	54,211,506	98,503,080	3,871,129
Chattanooga, TN-GA	707	277	44,038	1,265,866	33,390	65,958	801,035	3,395,618	4,098,991	7,470,751	332,375
Portion in Tennessee	544	221	34,285	1,029,929	24,938	49,344	621,510	2,590,261	3,118,696	5,706,001	233,917
Portion in Georgia	163	56	9,753	235,937	8,452	16,614	179,525	805,357	980,295	1,764,750	98,458
Clarksville- Hopkinsville, TN-KY	139	56	10,988	298,185	9,106	18,413	213,779	1,047,894	1,006,268	2,052,436	86,165
Portion in Tennessee	83	32	6,519	182,743	5,474	10,900	133,882	715,718	553,952	1,271,622	62,975
Portion in Kentucky	56	24	4,469	115,442	3,632	7,513	79,897	332,176	452,316	780,814	23,190
Jackson, TN	162	75	13,282	401,121	10,675	22,028	273,053	1,541,586	2,075,988	3,549,446	188,754
Johnson City-Kingsport- Bristol, TN-VA	571	225	48,454	1,628,128	36,024	72,241	998,349	4,405,437	4,191,955	8,652,607	462,319
Portion in Tennessee	453	178	38,984	1,380,616	28,551	57,017	825,960	3,736,418	3,262,698	7,062,866	419,848
Portion in Virginia	118	47	9,470	247,512	7,473	15,224	172,389	669,019	929,257	1,589,741	42,471
Knoxville, TN	894	289	43,228	1,311,278	31,562	62,757	786,862	4,430,018	4,190,037	8,608,726	234,044
Memphis, TN-MS-AR	1,156	477	58,220	1,868,363	40,561	81,917	1,076,050	6,082,711	8,462,352	14,625,342	505,509
Portion in Tennessee	980	391	48,665	1,598,746	33,363	66,784	901,731	5,293,111	7,256,224	12,635,100	440,765
Portion in Arkansas	45	23	2,323	56,172	1,824	3,584	36,590	224,511	401,064	620,626	21,399
Portion in Mississippi	131	63	7,232	213,445	5,374	11,549	137,729	565,089	805,064	1,369,616	43,345
Nashville-Davidson, TN	1,544	557	84,573	2,791,872	64,381	126,087	1,827,632	8,384,842	13,175,361	21,496,093	1,007,802

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.10 — MANUFACTURING STATISTICS, BY SECTOR, CHATTANOOGA METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹		Employees ²		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total	20 or more employees	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
All industries, total	707	277	44,038	1,265,866	33,390	65,958	801,035	3,395,618	4,098,991	7,470,751	332,375
Food	33	19	9,794	265,002	6,228	11,208	124,671	617,181	985,395	1,600,457	68,755
Textile mills	35	23	6,554	155,658	5,940	12,633	124,905	378,529	506,176	879,008	61,333
Plastics and rubber products	39	18	1,231	31,686	1,036	2,124	22,137	112,958	128,104	239,384	20,981
Nonmetallic mineral products	30	10	(a)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5,819
Primary metals	15	10	3,136	99,595	2,686	5,160	68,899	195,577	197,936	391,408	12,642
Fabricated metal products	138	43	3,538	103,974	2,680	5,056	65,844	251,526	152,840	404,639	12,394
Machinery	53	24	2,766	103,381	1,951	4,095	60,352	323,465	415,829	736,061	14,893
Computers and electronic products	19	7	649	19,457	360	757	8,179	50,008	40,217	90,048	3,362
Electrical equipment, appliances and components	9	8	2,186	56,173	1,814	3,422	40,431	302,828	257,796	547,872	(D)
Transportation equipment	16	8	1,146	27,464	935	1,749	20,505	45,698	256,620	296,029	4,450
Furniture and related products	42	7	843	19,733	656	1,243	13,804	38,559	35,110	73,056	2,368
Miscellaneous	45	9	973	26,878	673	1,053	11,861	70,776	46,410	115,196	3,378

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

(D) Withheld to avoid disclosing data of individual companies.

a. Range is 1,000 to 2,499 employees.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.11 — MANUFACTURING STATISTICS, BY SECTOR, CLARKSVILLE-HOPKINSVILLE METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹ 20 or more employees		Employees ²		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total employees	Number	Number	Payroll (\$1,000)	Hours (1,000)	Wages (\$1,000)	Number				
All industries, total	139	56	10,988	298,185	18,413	213,779	9,106	1,047,894	1,006,268	2,052,436	86,165
Plastics and rubber products	5	2	(a)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nonmetallic mineral products	11	5	620	17,179	1,211	13,608	533	38,191	33,992	70,860	1,205
Primary metals	6	5	753	25,857	1,237	17,999	566	192,383	157,278	346,846	(D)
Fabricated metal products	22	7	503	13,232	786	8,687	396	35,091	28,382	63,123	943
Machinery	8	4	(c)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8,334
Electrical equipment, appliances and components	3	2	(b)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Transportation equipment	8	6	1,218	32,937	2,127	20,821	917	102,022	105,769	208,373	(D)

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

(D) Withheld to avoid disclosing data of individual companies.

a. Range is 0 to 19 employees. b. Range is 500 to 999 employees. c. Range is 2,500 to 4,999 employees.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.12 — MANUFACTURING STATISTICS, BY SECTOR, JACKSON METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹ 20 or more employees		Employees ²		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	(\$1,000)				
All industries, total	162	13,282	401,121	10,675	22,028	273,053	1,541,586	2,075,988	3,549,446	188,754	
Food	11	7	2,014	1,804	3,939	59,609	429,641	545,720	936,187	(D)	
Plastics and rubber products	10	6	510	441	929	10,116	41,640	42,897	83,855	7,058	
Nonmetallic mineral products	8	6	710	570	1,371	17,840	51,102	45,735	98,230	6,171	
Primary metals	5	5	943	729	1,550	25,552	141,422	287,856	424,701	3,492	
Fabricated metal products	35	12	1,474	1,188	2,500	31,032	126,075	111,888	235,653	15,084	
Machinery	9	6	2,945	2,212	4,044	43,109	331,379	457,081	770,578	20,579	
Electrical equipment, appliances and components	3	2	(b)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
Transportation equipment	6	4	1,058	734	1,744	18,538	106,460	137,232	239,088	9,838	
Furniture and related products	6	3	(a)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

(D) Withheld to avoid disclosing data of individual companies.

a. Range is 250 to 499 employees. b. Range is 500 to 999 employees.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.

2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.

3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.13 — MANUFACTURING STATISTICS, BY SECTOR, JOHNSON CITY-KINGSPORT-BRISTOL METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹ 20 or more		Employees ²		Production workers			Value added by manufacture		Cost of materials	Value of shipments ³	Total capital expenditures
	Total employees	Number	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)
All industries, total	571	225	48,454	1,628,128	36,024	72,241	998,349	4,405,437	4,191,955	8,652,607	462,319	
Food	22	10	1,352	31,940	585	1,063	12,013	95,197	121,341	216,887	(D)	
Textile mills	12	9	2,158	52,277	1,850	3,568	40,258	103,849	164,777	272,880	9,477	
Plastics and rubber products	26	16	2,023	53,992	1,605	3,188	37,762	157,179	177,442	335,366	7,178	
Nonmetallic mineral products	40	16	2,278	70,644	1,871	3,957	53,049	242,474	138,117	376,116	14,644	
Primary metals	20	12	(a)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	11,586	
Fabricated metal products	99	33	3,818	113,584	3,060	5,854	82,269	292,257	275,723	573,839	16,192	
Machinery	44	15	5,102	135,579	4,409	9,016	102,546	351,579	493,406	844,463	19,626	
Computers and electronic products	11	4	613	17,884	403	818	9,786	49,175	51,160	102,942	(D)	
Electrical equipment, appliances and components	9	5	2,815	69,168	2,032	3,965	41,379	69,075	285,344	359,279	(D)	
Transportation equipment	18	11	2,723	92,563	2,161	4,627	65,621	246,913	248,711	498,182	11,680	
Furniture and related products	35	10	1,254	24,433	1,127	2,085	19,656	52,053	39,663	91,653	1,821	
Miscellaneous	45	9	860	20,338	721	1,437	15,682	44,432	32,627	76,938	3,891	

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

(D) Withheld to avoid disclosing data of individual companies.

a. Range is 1,000 to 2,499 employees.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.

2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.

3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.14 — MANUFACTURING STATISTICS, BY SECTOR, KNOXVILLE METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹		Employees ²		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total employees	20 or more employees	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
All industries, total	894	289	43,228	1,311,278	31,562	62,757	786,862	4,430,018	4,190,037	8,608,726	234,044
Food	61	20	2,538	59,858	1,616	3,120	33,383	268,430	320,294	587,503	9,525
Textile mills	17	8	1,384	31,021	1,185	2,304	24,109	67,141	48,337	115,821	6,051
Plastics and rubber products	36	23	3,461	91,447	2,701	5,566	63,594	226,322	221,063	454,703	17,567
Nonmetallic mineral products	53	23	1,618	43,804	1,288	2,613	31,104	131,607	96,915	227,430	14,631
Primary metals	13	7	(a)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	25,970
Fabricated metal products	139	37	3,518	109,174	2,801	5,740	75,941	267,629	195,204	459,107	20,234
Machinery	54	16	1,145	36,365	754	1,375	19,401	92,600	73,885	163,890	13,809
Computers and electronic products	46	18	2,213	85,037	1,246	2,391	32,071	178,928	152,734	336,324	17,510
Electrical equipment, appliances and components	16	6	428	11,862	289	574	6,176	25,851	22,712	48,918	1,616
Transportation equipment	45	26	7,655	240,494	6,077	12,487	167,389	920,141	876,757	1,795,734	56,372
Furniture and related products	64	15	1,153	22,547	927	1,677	16,731	43,971	44,065	87,703	1,862
Miscellaneous	77	14	2,153	47,636	1,506	2,875	27,182	103,003	102,450	216,465	5,460

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

(D) Withheld to avoid disclosing data of individual companies.

a. Range is 1,000 to 2,499 employees.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.15 — MANUFACTURING STATISTICS, BY SECTOR, MEMPHIS METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹ 20 or more		Employees ²		Production workers		Value added by manufacture		Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total employees	Number	Number	Payroll (\$1,000)	Hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)			
All industries, total	1,156	477	58,220	1,868,363	40,561	1,076,050	6,082,711	8,462,352	14,625,342	505,509	
Food	60	34	5,398	194,011	3,669	123,463	847,366	1,129,076	1,976,901	(D)	
Beverage and tobacco products	9	6	991	41,169	698	28,329	318,813	347,180	667,829	19,719	
Plastics and rubber products	49	31	2,664	76,739	2,087	54,678	241,292	253,420	496,519	18,570	
Nonmetallic mineral products	56	21	1,492	44,912	1,103	29,575	139,298	108,934	247,656	10,884	
Primary metals	14	9	907	29,740	749	23,716	76,102	122,174	198,928	7,491	
Fabricated metal products	195	81	6,253	184,820	4,704	1,185,811	483,285	587,340	1,067,499	29,381	
Machinery	76	36	6,189	189,340	4,640	1,155,659	313,144	875,089	1,209,212	22,702	
Computers and electronic products	31	14	2,634	83,588	1,820	47,464	197,520	557,568	758,628	21,098	
Electrical equipment, appliances and components	30	14	2,438	65,655	1,557	40,755	205,229	231,666	431,842	5,724	
Transportation equipment	34	16	1,661	46,199	1,290	24,852	127,936	148,966	271,725	5,809	
Furniture and related products	69	24	1,766	41,058	1,432	28,910	84,619	90,180	182,497	3,960	
Miscellaneous	99	19	4,073	158,749	2,405	64,471	469,355	220,678	750,730	32,445	

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

(D) Withheld to avoid disclosing data of individual companies.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.16 — MANUFACTURING STATISTICS, BY SECTOR, NASHVILLE METROPOLITAN STATISTICAL AREA, 1997

Sector	Establishments ¹ 20 or more		Employees ²		Production workers			Value added by manufacture		Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
	Total employees	Number	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)			
All industries, total	1,544	557	84,573	2,791,872	64,381	126,087	1,827,632	8,384,842	13,175,361	21,496,093	1,007,802	
Food	79	32	4,959	147,240	3,315	6,999	90,100	690,572	912,858	1,591,745	39,772	
Beverage and tobacco products	11	8	1,135	41,710	534	1,085	15,062	838,741	242,654	1,071,600	20,830	
Textile mills	13	10	2,107	85,790	1,556	3,219	54,772	239,650	300,655	533,711	28,608	
Plastics and rubber products	82	39	5,486	175,263	4,230	8,352	115,525	466,045	583,032	1,039,502	40,735	
Nonmetallic mineral products	70	29	3,185	154,508	2,539	5,832	122,545	363,234	261,100	624,163	25,551	
Primary metals	21	14	2,003	69,308	1,700	3,514	55,630	230,663	471,141	697,852	22,164	
Fabricated metal products	221	87	9,829	287,739	7,295	14,655	185,891	688,007	653,646	1,328,829	53,360	
Machinery	123	49	5,093	188,572	3,558	7,334	102,358	467,368	478,598	958,442	28,249	
Computers and electronic products	57	20	2,789	79,857	2,033	3,772	41,576	190,036	560,939	751,226	31,250	
Electrical equipment, appliances and components	36	21	6,284	170,946	5,339	9,881	119,721	555,307	744,816	1,294,288	31,703	
Transportation equipment	73	43	15,643	656,567	12,285	23,279	458,185	1,881,067	6,188,802	8,037,831	555,677	
Furniture and related products	103	31	4,472	113,232	3,509	5,718	71,180	206,382	243,006	454,378	16,979	
Miscellaneous	116	18	2,849	76,892	1,992	4,134	44,033	172,991	174,336	351,196	12,263	

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.17 — MANUFACTURING EMPLOYEES AND PAYROLL, AND NUMBER OF ESTABLISHMENTS BY EMPLOYMENT-SIZE CLASS, COUNTIES, 2000

County	Number of employees ¹	Annual payroll (\$1,000)	Number of establishments by employment-size class									
			Total	1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or more
Anderson	10,523	436,728	120	42	18	8	23	11	9	6	2	1
Bedford	6,035	162,996	64	23	9	9	5	7	4	2	4	1
Benton	967	24,872	21	7	1	2	4	4	2	1	0	0
Bledsoe	706	15,722	13	5	2	2	2	1	0	1	0	0
Blount	8,674	340,246	126	49	17	19	23	8	2	4	2	2
Bradley	12,830	402,898	130	35	18	27	15	10	10	7	7	1
Campbell	2,008	50,264	51	19	6	10	7	3	3	3	0	0
Cannon	297	6,196	15	6	1	4	3	0	1	0	0	0
Carroll	2,945	75,426	43	14	3	6	7	3	4	6	0	0
Carter	2,426	74,228	49	19	8	6	6	4	3	2	1	0
Cheatham	2,871	87,119	45	21	8	8	2	2	1	2	0	1
Chester	718	19,534	21	7	5	2	3	2	1	1	0	0
Claiborne	3,647	67,371	35	15	1	3	4	3	6	2	0	1
Clay	544	15,229	8	1	0	2	2	1	2	0	0	0
Cocke	2,618	78,808	39	11	8	1	8	2	7	1	1	0
Coffee	5,918	204,605	72	19	7	7	16	7	10	3	3	0
Crockett	1,086	27,626	14	5	3	0	2	1	1	1	1	0
Cumberland	2,710	77,349	52	19	5	9	5	6	4	4	0	0
Davidson	31,538	1,225,503	688	207	121	118	121	52	46	13	6	4
Decatur	1,087	24,954	33	9	8	5	5	3	2	1	0	0
DeKalb	2,746	74,491	24	6	2	4	4	2	2	2	2	0
Dickson	4,551	140,866	55	19	5	8	3	5	9	5	1	0
Dyer	5,879	195,270	43	11	6	5	4	2	8	4	2	1
Fayette	1,458	54,418	42	16	5	4	11	3	1	2	0	0
Fentress	749	14,093	24	12	1	4	3	1	3	0	0	0
Franklin	2,269	69,750	46	15	11	4	3	5	6	1	1	0
Gibson	8,104	226,463	86	27	12	11	6	8	11	6	5	0
Giles	4,265	136,878	43	9	6	5	6	4	7	4	2	0
Grainger	1,547	37,919	34	6	10	5	3	5	5	0	0	0
Greene	8,699	235,355	104	23	17	9	21	7	17	6	3	1
Grundy	269	3,576	10	4	0	1	3	2	0	0	0	0
Hamblen	14,911	470,292	124	25	14	16	20	15	21	7	4	2
Hamilton	34,518	1,224,115	495	134	72	74	93	49	52	10	8	3
Hancock	(b)	(D)	3	0	1	0	1	0	1	0	0	0
Hardeman	1,910	56,506	30	9	5	4	5	3	2	1	1	0
Hardin	2,257	72,717	48	16	9	4	6	6	6	1	0	0
Hawkins	6,251	205,477	48	9	6	11	4	5	2	8	2	1
Haywood	1,822	59,743	20	6	2	5	3	1	0	2	1	0
Henderson	3,333	100,714	46	18	7	3	8	2	5	2	0	1
Henry	3,358	83,496	58	20	10	6	9	3	4	6	0	0
Hickman	672	17,016	27	12	4	3	4	1	3	0	0	0
Houston	306	6,219	10	2	0	4	2	2	0	0	0	0
Humphreys	2,017	98,415	28	8	2	6	3	3	5	0	1	0
Jackson	905	20,661	7	2	0	0	0	2	2	1	0	0
Jefferson	3,138	74,728	54	13	13	7	7	5	6	2	1	0
Johnson	903	21,395	23	8	2	3	4	5	0	1	0	0
Knox	16,912	549,829	459	157	72	71	81	34	32	8	4	0
Lake	(a)	(D)	1	0	0	0	0	1	0	0	0	0
Lauderdale	3,170	87,047	19	2	4	1	3	4	1	1	3	0
Lawrence	4,697	113,363	54	15	11	7	7	4	6	2	1	1

TABLE 4.17 — MANUFACTURING EMPLOYEES AND PAYROLL, AND NUMBER OF ESTABLISHMENTS BY EMPLOYMENT-SIZE CLASS, COUNTIES, 2000 (Continued)

County	Number of employees ¹	Annual payroll (\$1,000)	Number of establishments by employment-size class									
			Total	1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or more
Lewis	607	17,171	20	9	2	3	5	0	0	1	0	0
Lincoln	2,927	88,968	51	17	6	10	7	5	5	0	0	1
Loudon	3,273	111,226	49	14	9	4	6	6	7	2	1	0
McMinn	8,136	281,665	70	19	9	10	8	9	6	4	3	2
McNairy	2,558	73,940	45	14	6	9	6	5	2	2	1	0
Macon	1,528	29,727	34	11	2	6	8	0	6	1	0	0
Madison	13,104	440,577	133	32	27	15	17	11	17	7	4	3
Marion	1,672	45,450	25	9	0	3	3	5	4	1	0	0
Marshall	7,124	210,309	49	9	8	7	9	4	5	2	4	1
Maury	11,393	662,872	80	22	16	10	12	10	7	1	1	1
Meigs	743	18,672	11	2	2	3	1	1	1	1	0	0
Monroe	6,165	170,669	70	13	14	12	13	6	3	6	3	0
Montgomery	7,842	258,628	80	22	18	13	9	5	6	4	1	2
Moore	(c)	(D)	9	5	1	0	1	0	1	1	0	0
Morgan	746	16,037	24	4	3	9	6	1	0	1	0	0
Obion	6,858	251,510	43	9	5	7	11	4	2	3	0	2
Overton	1,380	30,225	30	6	5	5	7	3	3	1	0	0
Perry	1,912	41,477	11	3	3	0	3	0	0	0	1	1
Pickett	607	12,220	11	2	0	3	3	1	2	0	0	0
Polk	508	9,643	16	5	1	1	6	2	1	0	0	0
Putnam	9,008	235,914	135	48	15	18	27	11	7	5	2	2
Rhea	4,604	124,875	36	17	3	4	5	1	1	3	1	1
Roane	1,998	47,485	37	11	8	3	5	4	4	2	0	0
Robertson	5,223	159,169	72	18	12	7	15	10	5	4	0	1
Rutherford	19,137	798,404	183	52	30	22	37	13	12	12	2	3
Scott	2,983	69,322	44	16	9	5	6	1	4	1	1	1
Sequatchie	969	21,420	11	2	2	3	1	1	1	0	1	0
Sevier	2,402	71,752	93	36	26	10	9	7	3	2	0	0
Shelby	36,736	1,414,352	838	239	148	140	148	72	66	17	5	3
Smith	1,880	52,775	23	8	1	5	2	0	5	2	0	0
Stewart	379	7,788	9	1	1	2	2	2	1	0	0	0
Sullivan	15,906	753,828	169	66	31	15	23	16	9	6	1	2
Sumner	10,931	347,107	203	57	49	19	19	24	24	8	3	0
Tipton	3,094	92,523	43	15	3	4	5	6	7	2	1	0
Trousdale	390	10,662	8	2	0	1	2	2	1	0	0	0
Unicoi	1,392	42,040	20	6	3	2	3	2	3	0	1	0
Union	1,089	27,231	26	10	2	0	4	7	3	0	0	0
Van Buren	(c)	(D)	6	2	1	2	0	0	0	1	0	0
Warren	6,405	192,673	62	15	5	8	17	6	5	3	2	1
Washington	10,109	258,463	152	38	26	23	27	15	9	10	3	1
Wayne	1,191	20,431	25	7	5	4	4	0	4	1	0	0
Weakley	3,167	76,699	48	15	8	4	8	5	5	2	1	0
White	3,249	85,751	46	13	8	5	3	7	8	1	1	0
Williamson	4,749	146,811	129	48	20	23	17	10	5	6	0	0
Wilson	6,677	264,767	110	38	19	14	15	10	9	1	3	1

Note: Data are based on the North American Industry Classification System (NAICS), unlike earlier County Business Patterns data, which were published according to the Standard Industrial Classification (SIC) system. As a result, 2000 data may not be directly comparable to previous years.

1. Number of employees for week including March 12.

(D) Withheld to avoid disclosure of data for individual companies.

a. 20 to 99 employees. b. 100 to 249 employees. c. 250 to 499 employees.

Source: U.S. Census Bureau, County Business Patterns 2000, Tennessee.

TABLE 4.18 — MANUFACTURING STATISTICS, COUNTIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997

County	Establishments ¹		Employees ²		Production workers		
	20 or more			Payroll		Hours	Wages
	Total employees		Number	(\$1,000)	Number	(1,000)	(\$1,000)
Anderson	107	42	8,559	327,963	4,679	9,356	135,171
Bedford	64	20	5,582	146,575	4,694	8,975	111,984
Benton	17	10	1,150	23,736	988	1,657	17,860
Blount	126	37	7,027	251,925	5,466	11,015	175,429
Bradley	142	57	12,974	363,761	10,883	21,362	258,943
Campbell	53	19	1,945	49,068	1,529	3,006	31,201
Carroll	50	19	3,103	64,126	2,585	4,968	47,899
Carter	48	16	1,960	50,681	1,556	2,867	35,088
Cheatham	42	10	3,060	81,880	2,757	4,991	62,235
Chester	24	9	853	18,654	716	1,281	12,588
Claiborne	34	19	3,584	67,114	3,010	5,391	44,881
Clay	8	5	771	13,738	641	1,311	8,699
Cocke	40	16	2,627	64,627	2,058	4,150	45,786
Coffee	67	40	5,595	178,432	4,376	8,607	115,489
Crockett	16	7	1,241	26,597	1,036	1,583	13,056
Cumberland	47	19	2,437	58,947	1,994	3,623	41,227
Davidson	752	261	31,716	1,099,974	23,000	46,213	688,576
Decatur	35	10	1,113	21,760	922	1,705	16,035
DeKalb	28	15	2,740	65,727	2,062	4,307	38,804
Dickson	51	21	3,574	102,517	3,130	5,827	78,982
Dyer	42	18	6,404	183,451	5,059	10,682	120,297
Fayette	39	15	1,193	33,295	918	1,794	23,376
Fentress	31	12	1,471	22,458	1,299	2,374	18,259
Franklin	43	14	1,872	53,132	1,539	3,359	37,830
Gibson	90	38	7,607	200,746	5,856	11,721	138,734
Giles	48	21	3,515	104,622	3,001	6,026	75,072
Grainger	35	16	1,321	30,627	1,099	2,051	21,101
Greene	107	49	7,990	198,030	6,430	12,684	128,202
Hamblen	129	69	14,586	369,578	12,020	23,173	265,813
Hamilton	515	208	32,559	991,381	23,344	46,441	590,069
Hardeman	37	14	1,957	51,404	1,637	3,198	37,841
Hardin	52	22	2,628	69,967	2,185	4,039	53,463
Hawkins	50	24	6,534	219,397	5,342	11,124	158,640
Haywood	23	12	2,477	64,148	2,111	4,450	49,084
Henderson	47	16	4,302	101,633	3,485	7,460	77,722
Henry	66	21	3,483	79,686	2,775	5,420	52,169
Hickman	31	9	1,017	22,174	800	1,627	17,888
Humphreys	29	14	1,976	75,382	1,440	2,700	51,041
Jackson	8	5	681	11,768	585	1,034	8,017
Jefferson	56	25	2,880	59,731	2,352	3,917	40,956
Johnson	19	9	1,392	29,206	1,261	2,420	26,031
Knox	493	154	20,782	550,328	15,926	30,970	346,958
Lauderdale	22	14	3,525	74,427	3,226	6,376	59,954
Lawrence	56	22	5,501	145,840	4,943	9,990	122,860
Lewis	22	3	600	16,429	486	993	12,506

TABLE 4.18 — MANUFACTURING STATISTICS, COUNTIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997 (Continued)

Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)	County
994,454	343,243	1,336,167	27,993	Anderson
518,069	801,043	1,302,683	53,681	Bedford
51,743	51,718	97,505	3,666	Benton
1,306,777	1,527,156	2,806,931	60,692	Blount
1,616,581	1,331,828	2,931,664	139,444	Bradley
112,082	132,810	243,708	10,534	Campbell
180,985	277,441	456,748	13,244	Carroll
138,850	130,817	273,414	(D)	Carter
300,731	282,688	579,709	(D)	Cheatham
29,017	47,008	76,003	4,905	Chester
160,386	159,577	317,059	4,854	Claiborne
46,944	39,144	85,674	1,542	Clay
161,712	227,730	382,819	16,398	Cocke
476,437	615,883	1,082,948	56,161	Coffee
61,156	98,163	160,796	4,619	Crockett
228,437	211,628	442,913	8,336	Cumberland
3,419,602	3,334,852	6,721,810	213,969	Davidson
66,788	71,489	137,021	2,020	Decatur
140,070	194,625	333,892	(D)	DeKalb
348,924	365,464	710,283	33,857	Dickson
494,675	630,596	1,121,396	53,146	Dyer
166,427	105,722	271,610	5,288	Fayette
62,103	79,889	141,374	2,077	Fentress
164,841	272,668	438,188	8,879	Franklin
529,963	554,692	1,085,604	26,019	Gibson
370,476	307,153	679,715	15,102	Giles
71,169	108,785	180,898	2,282	Grainger
465,690	766,603	1,296,707	38,025	Greene
955,980	1,089,846	2,039,164	101,267	Hamblen
2,498,215	2,997,078	5,493,190	225,173	Hamilton
98,650	178,108	274,711	4,066	Hardeman
201,671	328,360	530,223	34,850	Hardin
557,016	477,641	1,040,897	34,717	Hawkins
159,420	262,805	425,468	10,585	Haywood
253,700	452,353	710,877	25,871	Henderson
202,289	300,584	506,074	14,532	Henry
74,017	65,776	139,458	4,228	Hickman
500,299	358,567	854,066	53,643	Humphreys
68,341	37,436	104,898	(D)	Jackson
205,249	229,960	434,024	8,046	Jefferson
95,086	111,895	206,441	5,303	Johnson
1,486,477	1,739,439	3,245,519	101,134	Knox
194,609	163,397	353,817	13,024	Lauderdale
405,053	655,751	1,063,794	20,804	Lawrence
46,977	54,065	101,136	3,582	Lewis

TABLE 4.18 — MANUFACTURING STATISTICS, COUNTIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997 (Continued)

County	Establishments ¹		Employees ²		Production workers		
	20 or more		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)
Total employees							
Lincoln	43	15	2,381	62,923	1,834	3,546	42,075
Loudon	45	22	3,150	92,995	2,575	5,696	68,784
McMinn	74	38	8,791	279,355	6,641	13,644	197,409
McNairy	48	21	2,632	58,210	1,990	3,633	37,931
Macon	38	12	1,403	25,937	1,203	2,029	19,482
Madison	138	66	12,429	382,467	9,959	20,747	260,465
Marion	29	13	1,726	38,548	1,594	2,903	31,441
Marshall	45	26	7,552	169,404	6,365	12,854	124,867
Maury	75	31	11,361	532,581	9,315	18,696	417,117
Meigs	13	6	764	14,168	702	1,292	12,422
Monroe	84	35	5,488	144,793	4,402	8,542	97,830
Montgomery	83	32	6,519	182,743	5,474	10,900	133,882
Morgan	24	6	925	20,141	804	1,300	13,247
Obion	46	24	5,656	195,545	4,804	10,565	157,356
Overton	29	12	1,249	23,730	1,065	1,932	17,659
Perry	15	5	1,689	34,936	1,518	3,953	27,817
Polk	22	11	1,061	18,282	875	1,588	12,980
Putnam	141	58	9,927	232,314	7,927	15,016	156,377
Rhea	40	14	4,674	105,624	4,082	8,459	85,832
Roane	42	17	2,075	47,064	1,628	3,318	30,359
Robertson	74	37	5,019	127,238	3,948	7,592	84,565
Rutherford	191	74	19,096	754,682	14,819	29,216	516,153
Scott	40	11	2,915	56,453	2,483	5,206	39,141
Sequatchie	11	4	948	18,304	858	1,763	14,579
Sevier	103	23	2,611	64,476	2,046	3,930	43,257
Shelby	902	355	44,145	1,476,888	29,794	59,506	815,718
Smith	23	11	1,710	44,877	1,361	2,799	33,330
Sullivan	182	59	18,602	816,736	12,238	24,749	430,089
Sumner	205	77	11,852	333,759	9,157	17,191	218,516
Tipton	39	21	3,327	88,563	2,651	5,484	62,637
Trousdale	12	6	693	14,371	552	1,135	10,043
Unicoi	22	10	1,518	36,251	1,330	2,455	27,329
Union	20	11	1,099	23,591	870	1,790	17,263
Warren	73	35	6,610	192,537	5,542	11,629	150,592
Washington	151	69	10,370	257,551	8,085	15,822	174,814
Wayne	28	11	1,487	23,043	1,224	2,143	17,842
Weakley	45	24	3,287	74,911	2,781	5,805	54,572
White	49	19	3,442	80,955	2,963	5,920	63,281
Williamson	115	37	4,723	130,701	3,581	6,993	73,897
Wilson	114	40	5,533	161,121	3,989	8,064	104,708

TABLE 4.18 — MANUFACTURING STATISTICS, COUNTIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997 (Continued)

Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)	County
200,646	258,115	455,010	8,779	Lincoln
458,511	350,359	806,659	28,289	Loudon
763,606	817,175	1,572,222	70,421	McMinn
195,736	134,677	328,065	8,437	McNairy
30,602	48,312	80,147	4,786	Macon
1,512,569	2,028,980	3,473,443	183,849	Madison
92,046	121,618	212,811	8,744	Marion
633,001	714,359	1,349,122	49,415	Marshall
1,995,300	2,455,794	4,431,676	94,576	Maurry
31,745	93,053	125,140	(D)	Meigs
373,617	463,032	834,896	35,370	Monroe
715,718	553,952	1,271,622	62,975	Montgomery
45,245	51,994	98,839	2,019	Morgan
665,747	494,689	1,139,995	13,306	Obion
48,641	77,488	126,359	3,829	Overton
58,401	111,732	169,833	16,205	Perry
34,549	37,730	72,132	4,903	Polk
736,421	1,025,473	1,757,673	37,171	Putnam
233,834	200,293	434,702	5,497	Rhea
143,362	116,009	255,975	12,991	Roane
296,293	443,343	730,873	(D)	Robertson
2,481,131	6,370,508	8,851,852	584,684	Rutherford
143,087	189,161	329,953	9,923	Scott
77,815	145,234	223,792	2,033	Sequatchie
141,610	130,294	272,356	10,501	Sevier
4,800,476	6,869,956	11,758,677	408,911	Shelby
149,263	251,319	396,612	12,406	Smith
2,364,749	1,829,199	4,245,150	310,116	Sullivan
803,829	1,131,727	1,932,019	64,636	Sumner
326,208	280,546	604,813	26,566	Tipton
32,255	32,054	63,842	1,206	Trousdale
129,691	74,388	202,499	(D)	Unicoi
42,189	99,546	141,094	5,435	Union
523,349	613,898	1,133,324	45,959	Warren
546,112	750,653	1,300,906	(D)	Washington
50,681	49,516	99,594	4,457	Wayne
213,691	361,256	574,004	9,944	Weakley
254,465	198,667	457,276	17,599	White
373,716	473,715	846,633	31,089	Williamson
360,616	773,064	1,122,914	33,175	Wilson

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
 2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
 3. Includes extensive duplication, since products of some industries are used as materials by others.
- (D) Withheld to avoid disclosing data of individual companies.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.19 — MANUFACTURING STATISTICS, CITIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997

Place	Establishments ¹		Employees ²		Production workers		
	20 or more	Total employees	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)
Alcoa	23	8	(b)	(D)	(D)	(D)	(D)
Ashland City	19	7	(a)	(D)	(D)	(D)	(D)
Athens	33	22	5,601	146,671	4,018	8,189	95,110
Bartlett	31	9	1,327	29,542	1,088	2,064	20,710
Bolivar	8	4	739	14,557	658	1,082	11,186
Bristol	59	20	1,987	46,427	1,486	2,729	26,900
Brownsville	21	11	(b)	(D)	(D)	(D)	(D)
Camden	10	6	964	19,087	847	1,397	14,715
Centerville	11	6	(a)	(D)	(D)	(D)	(D)
Chattanooga	389	165	23,272	739,894	17,293	35,640	470,864
Church Hill	6	3	2,045	63,051	1,795	3,748	52,663
Clarksville	70	27	6,047	169,547	5,104	10,113	125,658
Cleveland	122	49	11,978	321,979	10,174	19,988	232,115
Clinton	20	9	1,660	49,904	1,393	2,736	37,385
Collegedale	6	4	(d)	(D)	(D)	(D)	(D)
Collierville	40	20	3,281	89,913	2,557	5,271	62,540
Columbia	42	15	(b)	(D)	(D)	(D)	(D)
Cookeville	101	44	7,478	176,124	5,747	10,642	111,575
Covington	23	17	(c)	(D)	(D)	(D)	(D)
Crossville	34	18	2,303	56,093	1,884	3,451	39,493
Dayton	23	11	4,436	102,116	3,887	8,158	83,501
Dickson	26	13	2,839	80,729	2,547	4,552	64,292
Dunlap	8	3	(a)	(D)	(D)	(D)	(D)
Dyersburg	29	12	4,779	147,768	3,821	8,129	97,765
Elizabethton	26	11	1,493	41,032	1,184	2,149	28,723
Erwin	17	8	(a)	(D)	(D)	(D)	(D)
Fayetteville	21	10	2,089	57,906	1,597	3,219	38,430
Franklin	71	27	3,760	107,258	2,836	5,526	58,069
Gallatin	63	29	4,700	139,663	3,698	7,457	92,410
Greeneville	68	33	5,956	147,570	4,835	9,480	95,800
Harriman	7	3	725	11,689	548	1,174	7,637
Hendersonville	62	10	1,917	52,688	1,333	2,020	28,460
Hohenwald	16	3	566	15,678	459	954	11,985
Humboldt	22	12	2,749	80,109	2,251	5,214	60,813
Huntingdon	8	4	653	18,500	483	990	12,572
Jackson	123	63	(e)	(D)	(D)	(D)	(D)
Jefferson City	15	8	1,250	22,279	939	1,523	14,906
Johnson City	101	58	8,801	211,458	7,022	13,775	146,079
Kingsport	61	17	(e)	(D)	(D)	(D)	(D)
Knoxville	318	110	14,827	394,454	11,352	22,240	253,724
Lafayette	17	8	942	18,698	826	1,462	14,689
La Vergne	51	22	(c)	(D)	(D)	(D)	(D)
Lawrenceburg	25	12	4,578	129,249	4,123	8,465	109,678
Lebanon	64	28	4,588	134,198	3,321	6,723	88,756
Lenoir City	17	8	906	25,199	730	1,461	18,207
Lewisburg	40	26	(d)	(D)	(D)	(D)	(D)
Lexington	27	15	3,916	94,463	3,209	6,813	73,220
Livingston	22	11	1,187	22,904	1,010	1,854	17,042
Loudon	16	10	1,891	58,283	1,611	3,758	45,817
McKenzie	15	10	1,635	33,519	1,401	2,734	26,645
McMinnville	29	16	3,456	90,612	2,856	5,659	71,158
Manchester	15	10	(b)	(D)	(D)	(D)	(D)
Martin	9	4	(b)	(D)	(D)	(D)	(D)
Maryville	32	9	2,857	98,961	2,210	4,719	71,554
Memphis	688	271	32,938	1,104,769	22,128	43,870	618,176

TABLE 4.19 — MANUFACTURING STATISTICS, CITIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997 (Continued)

Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)	Place
(D)	(D)	(D)	24,448	Alcoa
(D)	(D)	(D)	(D)	Ashland City
303,516	436,105	741,774	26,291	Athens
59,149	179,548	242,766	8,706	Bartlett
21,561	31,153	52,823	384	Bolivar
89,082	97,743	190,166	10,607	Bristol
(D)	(D)	(D)	(D)	Brownsville
43,669	42,554	81,362	3,369	Camden
(D)	(D)	(D)	2,439	Centerville
1,844,947	2,241,101	4,091,403	153,721	Chattanooga
188,136	125,744	307,900	9,813	Church Hill
688,667	499,928	1,190,675	(D)	Clarksville
1,440,780	1,188,464	2,618,466	(D)	Cleveland
126,785	129,636	253,042	10,564	Clinton
(D)	(D)	(D)	(D)	Collegedale
188,553	595,986	809,860	11,641	Collierville
(D)	(D)	(D)	(D)	Columbia
605,190	828,956	1,430,173	28,504	Cookeville
(D)	(D)	(D)	(D)	Covington
222,014	200,691	425,616	7,834	Crossville
225,987	191,439	417,995	5,081	Dayton
298,719	255,210	549,457	30,143	Dickson
(D)	(D)	(D)	(D)	Dunlap
338,169	402,398	743,476	44,827	Dyersburg
118,140	105,395	227,454	(D)	Elizabethton
(D)	(D)	(D)	(D)	Erwin
186,788	238,998	422,081	7,871	Fayetteville
299,224	404,608	704,157	23,633	Franklin
370,966	458,165	822,746	33,331	Gallatin
343,548	584,318	997,006	28,568	Greeneville
35,381	13,541	48,538	(D)	Harriman
78,734	224,441	307,168	9,286	Hendersonville
45,829	52,462	98,367	3,466	Hohenwald
204,394	288,862	494,762	12,440	Humboldt
66,492	132,263	201,189	4,832	Huntingdon
(D)	(D)	(D)	(D)	Jackson
51,827	51,447	102,217	2,028	Jefferson City
444,653	625,667	1,074,052	33,542	Johnson City
(D)	(D)	(D)	293,291	Kingsport
1,060,551	1,348,860	2,429,886	77,686	Knoxville
16,319	35,762	53,356	3,762	Lafayette
(D)	(D)	(D)	39,424	La Vergne
339,631	619,955	957,201	18,956	Lawrenceburg
318,155	700,852	1,008,500	29,931	Lebanon
87,692	53,331	139,184	13,622	Lenoir City
(D)	(D)	(D)	49,344	Lewisburg
243,646	441,591	690,055	(D)	Lexington
47,071	76,379	123,693	(D)	Livingston
346,171	268,234	613,271	13,372	Loudon
86,650	88,021	172,656	3,706	McKenzie
218,274	179,170	395,490	13,318	McMinnville
(D)	(D)	(D)	(D)	Manchester
(D)	(D)	(D)	2,810	Martin
523,202	379,614	897,325	26,302	Maryville
3,593,510	5,240,104	8,888,525	343,594	Memphis

TABLE 4.19 — MANUFACTURING STATISTICS, CITIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997 (Continued)

Place	Establishments ¹		Employees ²		Production workers		
	20 or more		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)
	Totalemployees						
Milan	20	9	1,674	42,563	1,250	2,423	31,629
Monterey	4	3	(b)	(D)	(D)	(D)	(D)
Morristown	92	60	13,343	334,744	11,111	21,511	244,117
Mount Juliet	30	8	769	22,580	527	1,080	13,465
Mount Pleasant	14	9	(a)	(D)	(D)	(D)	(D)
Murfreesboro	87	37	5,660	170,762	4,359	8,943	117,465
Nashville-Davidson (balance)	721	253	(f)	(D)	(D)	(D)	(D)
Newbern	8	3	(a)	(D)	(D)	(D)	(D)
Newport	18	9	1,718	42,636	1,310	2,685	30,169
Oak Ridge	59	21	5,669	247,306	2,277	4,654	77,985
Oneida	15	4	1,247	27,436	1,024	2,142	16,480
Paris	33	12	2,187	51,362	1,758	3,596	34,622
Portland	38	23	3,573	95,440	2,727	5,359	64,746
Pulaski	30	13	2,513	75,556	2,166	4,347	56,331
Red Bank	16	6	541	19,484	383	477	5,436
Ripley	10	8	2,339	47,657	2,174	4,196	39,167
Rockwood	10	7	586	17,770	460	885	11,453
Rogersville	12	5	1,123	42,160	946	2,160	32,856
Savannah	20	10	1,047	17,057	878	1,443	12,530
Selmer	17	11	1,053	25,114	890	1,723	19,537
Sevierville	33	7	1,308	35,531	986	1,874	22,700
Shelbyville	45	19	5,440	143,711	4,583	8,787	110,276
Smithville	18	13	2,541	61,628	1,924	4,049	36,427
Smyrna	21	9	(d)	(D)	(D)	(D)	(D)
Soddy-Daisy	19	8	500	11,840	424	764	7,237
South Fulton	6	3	631	8,316	542	986	6,284
South Pittsburg	8	5	891	20,039	831	1,365	15,879
Sparta	19	8	2,006	49,089	1,786	3,600	40,394
Springfield	40	25	4,224	106,550	3,294	6,330	69,939
Sweetwater	24	10	1,046	27,412	721	1,419	16,104
Trenton	13	5	658	14,013	571	947	10,841
Tullahoma	35	21	2,457	72,967	1,867	3,615	41,765
Union City	21	10	4,141	165,690	3,524	8,160	135,069
Winchester	22	10	1,461	41,922	1,189	2,625	30,360

TABLE 4.19 — MANUFACTURING STATISTICS, CITIES WITH 500 OR MORE MANUFACTURING EMPLOYEES, 1997 (Continued)

Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)	Place
147,289	120,473	268,721	8,528	Milan
(D)	(D)	(D)	(D)	Monterey
896,655	969,995	1,855,707	94,351	Morristown
33,672	64,827	98,238	2,505	Mount Juliet
(D)	(D)	(D)	(D)	Mount Pleasant
661,302	755,816	1,415,486	(D)	Murfreesboro
(D)	(D)	(D)	(D)	Nashville-Davidson (balance)
(D)	(D)	(D)	(D)	Newbern
94,822	158,691	247,359	11,779	Newport
774,483	120,530	897,286	10,950	Oak Ridge
75,039	84,095	155,257	5,627	Oneida
142,382	222,622	369,972	11,774	Paris
240,413	316,869	557,035	8,730	Portland
299,517	228,795	530,645	11,912	Pulaski
52,054	24,598	76,143	(D)	Red Bank
117,722	102,896	217,966	5,951	Ripley
63,479	49,586	111,384	7,540	Rockwood
123,847	98,897	233,672	13,518	Rogersville
38,634	53,225	90,678	1,723	Savannah
78,676	61,695	139,219	4,544	Selmer
70,850	58,494	130,259	5,412	Sevierville
512,056	793,578	1,288,658	(D)	Shelbyville
132,657	186,363	318,134	(D)	Smithville
(D)	(D)	(D)	(D)	Smyrna
40,240	30,404	70,203	894	Soddy-Daisy
18,579	38,189	49,207	974	South Fulton
31,025	46,382	77,163	1,159	South Pittsburg
122,157	76,493	193,442	10,218	Sparta
243,246	384,973	619,557	(D)	Springfield
76,407	70,955	147,810	3,795	Sweetwater
30,755	29,995	60,387	2,222	Trenton
202,252	235,543	431,064	10,910	Tullahoma
595,958	392,190	975,895	9,689	Union City
127,247	183,341	310,779	7,232	Winchester

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.
 - (D) Withheld to avoid disclosing data of individual companies.
 - a. 500 to 999 employees.
 - b. 1,000 to 2,4999 employees.
 - c. 2,500 to 4,999 employees.
 - d. 5,000 to 9,999 employees.
 - e. 10,000 to 24,999 employees.
 - f. 25,000 to 49,999 employees.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.20 — MANUFACTURING STATISTICS, SOUTHEASTERN STATES, 1997

State	Companies	Estab-lish-ments ¹	Employees ²		Production workers		Value added by manu-facture (\$1,000)	Cost of materials (\$1,000)	Cost of supplies (\$1,000)	Value of ship-ments ³ (\$1,000)	Total capital expend-itures (\$1,000)	
			Number	Payroll (\$1,000)	Number	Hours (1,000)						Wages (\$1,000)
TENNESSEE	6,728	7,407	483,823	14,351,915	375,121	743,819	9,468,824	44,355,170	54,211,506	48,394,389	98,503,080	3,871,129
Alabama	4,912	5,444	352,618	10,187,756	275,637	545,980	6,928,393	29,221,522	38,723,397	34,854,253	67,970,076	3,058,564
Arkansas	2,967	3,316	230,153	5,778,437	187,493	369,134	4,192,705	19,346,813	25,868,348	23,062,898	45,185,963	1,492,968
Florida	15,192	15,992	433,149	13,185,078	291,452	562,891	6,825,999	40,213,354	37,555,711	32,904,605	77,477,510	2,979,519
Georgia	8,091	9,083	533,830	15,534,058	410,713	830,245	10,173,353	55,550,096	69,434,257	63,336,703	124,526,834	4,166,388
Kentucky	3,829	4,218	288,405	9,198,091	223,868	452,208	6,251,584	38,337,622	48,538,716	44,678,351	86,636,107	3,365,993
Louisiana	3,265	3,545	165,777	6,054,513	123,566	258,014	3,967,652	29,066,923	51,529,435	46,478,169	80,423,978	3,434,538
Mississippi	2,654	3,008	227,800	5,599,392	182,630	362,135	3,905,826	17,088,506	22,563,374	20,055,736	39,658,260	1,416,508
North Carolina	9,857	11,306	773,548	21,297,913	601,190	1,195,802	14,060,952	78,638,044	83,255,618	72,188,471	161,900,477	5,389,012
South Carolina	3,945	4,450	346,142	10,369,419	267,548	786,083	6,856,005	33,657,787	37,229,455	33,041,124	70,797,020	3,414,769
Virginia	5,455	5,986	370,595	11,557,793	279,682	559,635	7,412,163	43,563,006	40,367,360	35,925,511	83,814,009	3,425,293
West Virginia	1,414	1,505	72,813	2,460,697	55,643	112,554	1,658,905	9,310,976	8,961,850	7,652,256	18,293,309	915,267

Note: 1997 data are based on the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. As a result, 1997 data may not be directly comparable to previous years. All dollar values are expressed as current dollars; i.e., 1997 dollars.

1. Establishment is defined as a single physical location where manufacturing is performed. Includes establishments with payroll at any time during the year.
2. Includes all full-time and part-time employees on the payroll during any part of the year. Includes all persons on paid sick leave, paid holidays, and paid vacations.
3. Includes extensive duplication, since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1997 Economic Census, Manufacturing: Geographic Area Series, Tennessee.

TABLE 4.21 — AVERAGE HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS, SOUTHEASTERN STATES AND UNITED STATES, 1975—2001, SELECTED YEARS [In dollars]

State	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1985	1980	1975
TENNESSEE	\$13.37	\$12.92	\$12.50	\$12.06	\$11.71	\$11.30	\$10.78	\$10.50	\$10.33	\$10.13	\$9.92	\$9.55	\$8.29	\$6.08	\$3.93
Alabama	13.30	12.96	12.54	12.11	11.86	11.55	11.14	10.75	10.35	9.99	9.72	9.39	8.48	6.49	4.10
Arkansas	12.39	11.97	11.55	11.12	10.78	10.41	10.05	9.65	9.36	9.05	8.81	8.51	7.57	5.71	3.69
Florida	12.78	12.28	11.83	11.43	10.95	10.55	10.18	9.97	9.76	9.59	9.30	8.98	7.86	5.98	4.11
Georgia	13.05	12.99	12.48	12.03	11.64	11.19	10.71	10.34	10.09	9.86	9.56	9.17	8.10	5.77	3.80
Kentucky	15.34	14.83	14.27	13.82	13.17	12.70	12.22	11.81	11.47	11.28	11.00	10.70	9.53	7.34	4.77
Louisiana	15.90	15.56	15.18	14.63	14.14	13.65	13.43	13.11	12.66	12.19	11.86	11.61	10.43	7.74	4.88
Mississippi	12.14	11.64	11.17	10.73	10.41	10.18	9.76	9.41	9.16	8.91	8.67	8.37	7.22	5.44	3.58
North Carolina	13.29	12.80	12.32	11.84	11.41	10.97	10.56	10.19	9.81	9.49	9.19	8.79	7.29	5.37	3.52
South Carolina	11.19	10.97	10.67	10.52	10.35	10.25	10.16	10.00	9.80	9.48	9.17	8.84	7.61	5.59	3.59
Virginia	14.28	13.82	13.37	12.90	12.51	12.19	11.72	11.24	10.85	10.62	10.43	10.07	8.51	6.22	3.99
West Virginia	14.95	14.61	14.09	13.72	13.17	12.96	12.64	12.60	12.27	12.11	11.77	11.53	10.24	8.08	4.93
UNITED STATES	14.83	14.37	13.90	13.49	13.17	12.77	12.37	12.07	11.74	11.46	11.18	10.83	9.54	7.27	4.83

Source: U.S. Department of Labor, Bureau of Labor Statistics internet site <<http://www.bls.gov>>.

TABLE 4.22 — NUMBER OF EMPLOYEES IN MANUFACTURING ESTABLISHMENTS,
SOUTHEASTERN STATES AND UNITED STATES, 1950—2001, SELECTED YEARS
[Thousands of employees]

State	2001	2000	1999	1998	1997	1996
TENNESSEE	478.5	506.8	511.0	514.7	517.6	519.3
Alabama	339.8	360.2	367.6	377.8	380.5	382.6
Arkansas	240.5	251.7	252.1	253.5	252.9	253.8
Florida	468.9	488.1	487.7	493.5	492.0	489.7
Georgia	549.8	583.3	594.9	594.6	588.6	585.4
Kentucky	307.2	322.4	320.7	320.3	316.8	311.7
Louisiana	181.8	183.9	187.1	191.0	191.1	188.6
Mississippi	213.8	233.2	243.9	245.5	241.8	245.6
North Carolina	733.6	784.1	801.9	824.2	833.7	844.9
South Carolina	332.1	347.2	344.6	362.1	362.7	366.0
Virginia	371.7	390.1	395.7	403.4	405.2	400.0
West Virginia	77.4	80.9	81.6	82.4	81.6	81.9
UNITED STATES	17,695.0	18,473.0	18,552.0	18,805.0	18,675.0	18,495.0

State	1995	1990	1980	1970	1960	1950
TENNESSEE	538.9	520.3	502.1	463.8	315.0	249.2
Alabama	391.8	384.5	363.1	327.2	238.7	217.5
Arkansas	259.3	232.8	209.1	168.6	103.0	75.7
Florida	486.5	522.1	456.4	322.5	207.5	102.9
Georgia	586.9	561.1	519.2	467.1	341.6	287.1
Kentucky	313.8	287.5	276.2	255.4	173.2	140.5
Louisiana	188.0	184.4	214.2	179.0	144.9	145.0
Mississippi	257.8	246.5	221.8	182.1	120.2	86.7
North Carolina	864.2	861.5	820.0	713.0	504.5	414.4
South Carolina	377.2	383.3	391.9	340.3	244.6	210.2
Virginia	402.9	426.4	413.8	366.0	275.0	229.5
West Virginia	82.4	87.5	117.2	126.5	124.6	131.4
UNITED STATES	18,524.0	19,076.0	19,248.0	20,285.0	19,367.0	16,796.0

Source: U.S. Department of Labor, Bureau of Labor Statistics internet site <<http://www.bls.gov>>.

TABLE 4.23 — SHIPMENTS AND EMPLOYMENT RELATED TO MANUFACTURED EXPORTS, SOUTHEASTERN STATES AND UNITED STATES, 1997

	Value of all manufacturers' shipments	All manufacturing employment	Employment related to			Export- supporting shipments	Employment related to supporting shipments	Total export- related shipments	Total export- related employment	Export-related as percent of all	
			Direct exports	Employment direct to exports	Export- supporting shipments					Ship- ments	Employ- ment
TENNESSEE	\$98,503.1	483.8	\$10,298.0	46.0	\$6,691.9	33.0	\$16,989.9	79.0	17.20	16.30	
Alabama	67,970.1	352.6	7,237.5	32.1	4,625.9	20.2	11,863.4	52.3	17.50	14.80	
Arkansas	45,186.0	230.2	4,232.7	17.9	2,102.1	8.9	6,334.8	26.7	14.00	11.60	
Florida	77,477.5	433.1	9,991.2	47.2	2,706.8	13.9	12,698.1	61.1	16.40	14.10	
Georgia	124,526.8	533.8	13,173.1	46.5	5,626.5	26.2	18,799.6	72.7	15.10	13.60	
Kentucky	86,636.1	288.4	10,199.2	27.2	7,604.6	31.1	17,803.8	58.3	20.60	20.20	
Louisiana	80,424.0	165.8	7,527.0	15.3	3,508.6	7.5	11,035.6	22.8	13.70	13.70	
Mississippi	39,658.3	227.8	4,708.8	16.8	2,078.0	7.8	6,786.8	24.6	17.10	10.80	
North Carolina	161,900.5	773.5	17,513.8	77.2	11,499.2	55.7	29,013.0	132.9	17.90	17.20	
South Carolina	70,797.0	346.1	9,256.9	40.4	5,944.9	28.4	15,201.8	68.8	21.50	19.90	
Virginia	83,814.0	370.6	10,043.2	40.3	3,793.5	18.4	13,836.7	58.6	16.50	15.80	
West Virginia	18,293.3	72.8	1,783.6	6.4	802.7	2.5	2,586.3	8.9	14.10	12.20	
UNITED STATES	3,842,061.6	16,887.9	502,881.3	2,027.8	280,529.2	1,316.3	783,410.5	3,343.9	20.40	19.80	

Note: Export data include both "direct" exports (exports manufactured in the U.S. and consumed in foreign markets) and "indirect" exports (intermediate goods and services required to manufacture exported goods). Export-related employment data shown do not include jobs involved in the exports of nonmanufactured goods such as farm products, minerals, and services sold to foreign buyers.

All dollar values are expressed in millions, all employment data in thousands.

Source: U.S. Department of Commerce, U.S. Census Bureau, Exports from Manufacturing Establishments: 1997.