

Michigan

1997

Issued October 1999

EC97S51A-MI

1997 Economic Census

Information

Geographic Area Series



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

Helping You Make Informed Decisions

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



ACKNOWLEDGMENTS

Many persons participated in the various activities of the 1997 Economic Census for the Information sector.

Service Sector Statistics Division prepared this report. **Bobby E. Russell**, Assistant Chief for Census Programs, was responsible for the overall planning, management, and coordination. Planning and implementation were under the direction of **Jack B. Moody**, Chief, Service Census Branch assisted by **Jack R. Drago**, **Barbara S. Tinari**, **Kirk K. Degler**, **Donna L. Hambric**, and **Deborah M. Stempowski**. Primary staff assistance was provided by **Amy E. Anderson**, **Susan G. Baker**, **Kevin D. Barker**, **Evelyn D. Butler**, **Leif E. Crider**, **Joel A. Fowler**, **John P. Kern**, **Joyce M. Kiessling**, **Marie C. Lally**, **John J. Manning**, **Kamatha Marbury**, **Robert J. Mouser**, **Diane Leason**, **Shawna J. Orzechowski**, **Joy P. Pierson**, **Dawn E. Rosser**, **Terri L. Steele**, **Tara E. Swanson**, **Jennifer N. Thorne**, **Brent M. Williams**, and **Cynthia M. Wrenn-Yorker**.

Mathematical and statistical techniques as well as the coverage operations were provided by **Carl A. Konschnik**, Assistant Chief for Research and Methodology, assisted by **Carol S. King**, Chief, Statistical Methods Branch, and **Jock R. Black**, Chief, Program Research and Development Branch, with staff assistance from **Maria C. Cruz** and **David L. Kinyon**.

The Economic Planning and Coordination Division provided overall planning and review of many operations and the computer processing procedures. **Shirin A. Ahmed**, Assistant Chief for Post-Collection Processing, was responsible for edit procedures and designing the interactive analytical software. Design and specifications were prepared under the supervision of **Dennis L. Shoemaker**, Chief, Census Processing Branch, assisted by **John D. Ward**. Primary staff assistance was provided by **Sonya P. Curcio**, **Richard W. Graham**, and **Cheryl E. Merkle**.

The Economic Product Team, with primary contributions from **Andrew W. Hait** and **Jennifer E. Lins**, was responsible for the development of the system to disseminate 1997 Economic Census reports.

The staff of the National Processing Center, **Judith N. Petty**, Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, and data entry.

The Geography Division staff developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, **Charles P. Pautler Jr.**, Chief, developed and coordinated the computer processing systems. **Martin S. Harahush**, Assistant Chief for Quinquennial Programs, was responsible for design and implementation of the computer systems. **Robert S. Jewett** and **Barbara L. Lambert** provided special computer programming. **William C. Wester**, Chief, Services Branch, assisted by **Robert A. Hill**, **Dennis P. Kelly**, and **Jeffrey S. Rosen**, supervised the preparation of the computer programs. Additional programming assistance was provided by **Donell D. Barnes**, **Daniel C. Collier**, **Gilbert J. Flodine**, **David Hiller**, **Leatrice D. Hines**, **William D. McClain**, **Jay L. Norris**, **Sarah J. Presley**, and **Michael A. Sendelbach**.

Computer Services Division, **Debra D. Williams**, Chief, performed the computer processing.

The staff of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, performed planning, design, composition, editorial review, and printing planning and procurement for publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

Special acknowledgment is also due the many businesses whose cooperation has contributed to the publication of these data.

Michigan 1997

Issued October 1999

EC97S51A-MI

1997 Economic Census *Information* Geographic Area Series



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division

CONTENTS

Introduction to the Economic Census	1
Information	4
TABLES	
1. Summary Statistics for the State: 1997	7
2. Summary Statistics for Metropolitan Areas: 1997	8
3. Summary Statistics for Counties: 1997	11
4. Summary Statistics for Places: 1997	17
APPENDIXES	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Coverage and Methodology	C-1
D. Geographic Notes	D-1
E. Metropolitan Areas	E-1

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.	V	Represents less than 50 vehicles or .05 percent.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.	X	Not applicable.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.	Y	Disclosure withheld because of insufficient coverage of merchandise lines.
N	Not available or not comparable.	Z	Less than half the unit shown.
Q	Revenue not collected at this level of detail for multiestablishment firms.	a	0 to 19 employees.
S	Withheld because estimates did not meet publication standards.	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.

Information

SCOPE

The Information sector (sector 51) of the 1997 Economic Census comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data.

The main components of this sector are the publishing industries, including software publishing, the motion picture and sound recording industries, the broadcasting and telecommunications industries, and the information services and data processing services industries.

The expressions “information age” and “global information economy” are used with considerable frequency today. The general idea of an “information economy” includes both the notion of industries primarily producing, processing, and distributing information, as well as the idea that every industry is using available information and information technology to reorganize and make themselves more productive.

For the purpose of developing NAICS, it is the transformation of information into a commodity that is produced and distributed by a number of growing industries that is at issue. The Information sector groups three types of establishments: (1) those engaged in producing and distributing information and cultural products; (2) those that provide the means to transmit or distribute these products as well as data or communications; and (3) those that process data. Cultural products are those that directly express attitudes, opinions, ideas, values, and artistic creativity; provide entertainment; or offer information and analysis concerning the past and present. Included in this definition are popular, mass-produced, products as well as cultural products that normally have a more limited audience, such as poetry books, literary magazines, or classical records.

The unique characteristics of information and cultural products, and of the processes involved in their production and distribution, distinguish the Information sector from the goods-producing and service-producing sectors. Some of these characteristics are:

Unlike traditional goods, an “information or cultural product,” such as a newspaper on-line or television program, does not necessarily have tangible qualities, nor is it necessarily associated with a particular form. A movie can be shown at a movie theater, on a television broadcast, through video-on-demand or rented at a local video

store. A sound recording can be aired on radio, embedded in multimedia products, or sold at a record store.

Unlike traditional services, the delivery of these products does not require direct contact between the supplier and the consumer.

The value of these products to the consumer lies in their informational, educational, cultural, or entertainment content, not in the format in which they are distributed. Most of these products are protected from unlawful reproduction by copyright laws.

The intangible property aspect of information and cultural products makes the processes involved in their production and distribution very different from goods and services. Only those possessing the rights to these works are authorized to reproduce, alter, improve, and distribute them. Acquiring and using these rights often involves significant costs. In addition, technology is revolutionizing the distribution of these products. It is possible to distribute them in a physical form, via broadcast, or on-line.

Distributors of information and cultural products can easily add value to the products they distribute. For instance, broadcasters add advertising not contained in the original product. This capacity means that unlike traditional distributors, they derive revenue not from sale of the distributed product to the final consumer, but from those who pay for the privilege of adding information to the original product. Similarly, a database publisher can acquire the rights to thousands of previously published newspaper and periodical articles and add new value by providing search and software and organizing the information in a way that facilitates research and retrieval. These products often command a much higher price than the original information.

The distribution modes for information commodities may either eliminate the necessity for traditional manufacture, or reverse the conventional order of manufacture-distribute: A newspaper distributed on-line, for example, can be printed locally or by the final consumer. Similarly, it is anticipated that packaged software, which today is mainly bought through the traditional retail channels, will soon be available mainly on-line. The NAICS Information sector is designed to make such economic changes transparent as they occur, or to facilitate designing surveys that will monitor the new phenomena and provide data to analyze the changes.

Many of the industries in the NAICS Information sector are engaged in producing products protected by copyright

law, or in distributing them (other than distribution by traditional wholesale and retail methods). Examples are traditional publishing industries, software and database publishing industries, and film and sound industries. Broadcasting and telecommunications industries and information providers and processors are also included in the Information sector, because their technologies are so closely linked to other industries in the Information sector.

Data for this sector are shown for establishments of firms subject to Federal income tax.

Many of the "kinds of business or operation" included in this sector are not thought of as commercial businesses and the terms (such as "business," "establishment," and "firm") used to describe them may not be descriptive of such services. However, these terms are applied to all "kinds of business or operation" in order to maintain conformity in the measures of the production and delivery of goods and services and in the presentation of data.

Except in the telecommunications industry, the basic tabulations for this sector do not include data for establishments which are auxiliary (primary function is providing a service, such as warehousing or bookkeeping) to service establishments within the same organization. Data for auxiliaries are presented separately.

GENERAL

A list of reports that provide statistics on sector 51 follows.

Geographic area reports. There is a separate report for each state, the District of Columbia, and the United States. For establishments of firms subject to Federal income tax, each state report presents general statistics on number of establishments, receipts, payroll, and employment by kind of business for the state, metropolitan areas (MAs), counties, and places with 2,500 inhabitants or more. Greater kind-of-business detail is shown for larger areas.

The United States report presents data for the United States as a whole for establishments with payroll of firms subject to Federal income tax for detailed kind-of-business classifications.

Sources of receipts report. This report presents sources of receipts data for establishments with payroll by kind of business. Data are presented for the United States and states.

Establishment and firm size (including legal form of organization) report. This report presents receipts, payroll, and employment data for the United States by receipts size, by employment size, and by legal form of organization for establishments; and receipts size (including concentration by largest firms), by employment size, and by number of establishments operated (single units and multiunits) for firms.

Miscellaneous subjects report. This report presents data for establishments with payroll for a variety of industry-specific questions. Presentation of data varies by kind of business.

GEOGRAPHIC AREAS COVERED

The level of geographic detail varies by report. Data may be presented for:

1. The United States as a whole.
2. States and the District of Columbia.
3. Consolidated metropolitan statistical areas (CMSAs) and primary metropolitan statistical areas (PMSAs) defined by the Office of Management and Budget (OMB) as of June 30, 1997. A CMSA is an area used to facilitate the presentation and analysis of data for large concentrations of metropolitan populations. It includes two or more contiguous PMSAs which have a population of at least 1,000,000 (according to the 1990 Census of Population or subsequent special census) and which meet specific criteria of urban character and of social and economic integration.
4. Metropolitan statistical areas (MSAs) defined by the OMB as of June 30, 1997. An MSA is an integrated economic and social unit with a population nucleus of at least 50,000 inhabitants (according to the 1990 Census of Population or subsequent special census). Each MSA consists of one or more counties meeting standards of metropolitan character. In New England, cities and towns rather than counties are the component geographic units.
5. Areas within the state outside metropolitan areas (MAs).
6. Counties and county equivalents defined as of January 1, 1997. Counties 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 place or more that is independent of any county organization and constitutes primary divisions of their states. These places are treated as counties and as places.
7. Consolidated cities defined as of January 1, 1997. Consolidated cities are consolidated governments which consist of separately incorporated municipalities.
8. Municipalities of 2,500 inhabitants or more defined as of January 1, 1997. These are areas of significant population incorporated as cities, boroughs, villages, or towns according to the 1990 Census of Population or subsequent special census. For the economic census, boroughs and census areas in Alaska and boroughs in New York are not included in this category.

-
9. Special economic urban areas (SEUAs), which include townships in Michigan, New Jersey, and Pennsylvania, and towns in New York, Wisconsin, and the six New England states with 10,000 inhabitants or more (according to the 1990 Census of Population or subsequent special census).

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The 1997 Economic Census is the first census to present data based on the new North American Industry Classification System (NAICS). Previous census data were presented according to the Standard Industrial Classification (SIC) system developed some 60 years ago. Due to this change, comparability between census years may be limited. Comparative statistics will be included as part of the Core Business Statistics Reports.

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 business. However, the number of establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Service Annual Survey (SAS) and the Annual Survey of Communication Services (ASCS) each year. These surveys, while providing more frequent observations, yields less kind-of-business and geographic detail than the economic census. In addition, the County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

Table 1. Summary Statistics for the State: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
MICHIGAN								
51	Information	3 273	18 878 393	3 362 438	N	90 178	.9	5.4
511	Publishing industries	829	4 539 521	914 973	N	26 353	.6	12.3
5111	Newspaper, periodical, book, & database publishers	551	3 736 739	631 791	N	21 344	—	12.5
51111	Newspaper publishers	237	1 230 019	363 818	N	13 082	—	26.1
511110	Newspaper publishers	237	1 230 019	363 818	N	13 082	—	26.1
51112	Periodical publishers	148	336 576	94 394	N	2 325	—	20.9
511120	Periodical publishers	148	336 576	94 394	N	2 325	—	20.9
51113	Book publishers	62	304 820	38 730	N	1 140	—	9.5
511130	Book publishers	62	304 820	38 730	N	1 140	—	9.5
51114	Database & directory publishers	27	D	D	N	g	D	D
511140	Database & directory publishers	27	D	D	N	g	D	D
51119	Other publishers	77	D	D	N	h	D	D
511191	Greeting card publishers	3	D	D	N	c	D	D
511199	All other publishers	74	D	D	N	h	D	D
5112	Software publishers	278	802 782	283 182	66 079	5 009	3.2	11.4
51121	Software publishers	278	802 782	283 182	66 079	5 009	3.2	11.4
511210	Software publishers	278	802 782	283 182	66 079	5 009	3.2	11.4
512	Motion picture & sound recording industries	491	488 497	95 112	23 739	6 184	11.0	3.4
5121	Motion picture & video industries	444	470 851	89 836	22 624	6 039	10.0	3.2
51211	Motion picture & video production	176	126 701	26 538	7 677	768	30.4	3.5
512110	Motion picture & video production	176	126 701	26 538	7 677	768	30.4	3.5
5121101	Motion picture production (except for television)	131	96 833	22 595	6 726	634	33.9	4.2
5121102	Motion picture & video production for television	45	29 868	3 943	951	134	18.9	1.5
51212	Motion picture & video distribution	1	D	D	D	a	D	D
512120	Motion picture & video distribution	1	D	D	D	a	D	D
5121202	Film or tape distribution for television	1	D	D	D	a	D	D
51213	Motion picture & video exhibition	202	266 476	36 596	8 493	4 605	2.3	.2
512131	Motion picture theaters (except drive-ins)	193	262 283	35 471	8 291	4 581	2.3	.2
512132	Drive-in motion picture theaters	9	4 193	1 125	202	24	.8	.1
51219	Post production & other motion picture & video industries	65	D	D	D	f	D	D
512191	Teleproduction & other postproduction services	57	70 905	25 553	6 144	622	3.3	11.6
512199	Other motion picture & video industries	8	D	D	D	b	D	D
5122	Sound recording industries	47	17 646	5 276	1 115	145	37.2	7.7
51221	Record production	2	D	D	D	a	D	D
512210	Record production	2	D	D	D	a	D	D
51222	Integrated record production/distribution	4	4 610	1 503	249	11	2.6	8.7
512220	Integrated record production/distribution	4	4 610	1 503	249	11	2.6	8.7
51223	Music publishers	5	D	D	D	b	D	D
512230	Music publishers	5	D	D	D	b	D	D
51224	Sound recording studios	26	6 720	1 764	346	66	49.5	5.0
512240	Sound recording studios	26	6 720	1 764	346	66	49.5	5.0
51229	Other sound recording industries	10	2 315	808	227	40	1.6	1.7
512290	Other sound recording industries	10	2 315	808	227	40	1.6	1.7
513	Broadcasting & telecommunications	1 408	10 243 705	1 435 899	370 575	34 788	.7	3.5
5131	Radio & television broadcasting	247	1 014 452	254 868	61 571	7 271	1.8	5.6
51311	Radio broadcasting	196	436 634	134 721	31 705	4 392	2.6	7.6
513111	Radio networks	9	5 582	1 948	354	55	15.0	—
513112	Radio stations	187	431 052	132 773	31 351	4 337	2.4	7.7
51312	Television broadcasting	51	577 818	120 147	29 866	2 879	1.2	4.0
513120	Television broadcasting	51	577 818	120 147	29 866	2 879	1.2	4.0
5132	Cable networks & program distribution	164	1 060 915	134 648	31 772	4 498	.6	14.2
51321	Cable networks	17	54 336	3 889	968	86	1.7	5.6
513210	Cable networks	17	54 336	3 889	968	86	1.7	5.6
51322	Cable & other program distribution	147	1 006 579	130 759	30 804	4 412	.5	14.6
513220	Cable & other program distribution	147	1 006 579	130 759	30 804	4 412	.5	14.6
5133	Telecommunications	997	8 168 338	1 046 383	277 232	23 019	.6	1.9
51331	Wired telecommunications carriers	741	6 803 464	890 541	237 161	18 861	.1	1.5
513310	Wired telecommunications carriers	741	6 803 464	890 541	237 161	18 861	.1	1.5
51332	Wireless telecommunications carriers (except satellite)	181	1 243 293	137 489	35 728	3 590	1.1	3.9
513321	Paging	74	120 502	23 071	5 031	770	8.3	30.2
513322	Cellular & other wireless telecommunications	107	1 122 791	114 418	30 697	2 820	.3	1.0
51333	Telecommunications resellers	42	111 732	16 080	3 828	434	23.1	4.6
513330	Telecommunications resellers	42	111 732	16 080	3 828	434	23.1	4.6
51334	Satellite telecommunications	12	6 984	1 291	227	45	2.8	8.3
513340	Satellite telecommunications	12	6 984	1 291	227	45	2.8	8.3
51339	Other telecommunications	21	2 865	982	288	89	48.3	8.7
513390	Other telecommunications	21	2 865	982	288	89	48.3	8.7

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
MICHIGAN—Con.								
51 Information—Con.								
514	Information services & data processing services	545	3 606 670	916 454	250 323	22 853	.6	2.3
5141	Information services	162	137 709	43 846	9 904	1 417	7.4	11.0
51411	News syndicates	10	18 187	4 295	1 039	111	.3	24.0
514110	News syndicates	10	18 187	4 295	1 039	111	.3	24.0
51412	Libraries & archives	51	12 614	3 689	802	298	1.7	13.8
514120	Libraries & archives	51	12 614	3 689	802	298	1.7	13.8
51419	Other information services	101	106 908	35 862	8 063	1 008	9.3	8.4
514191	Online information services	95	105 861	35 538	8 003	997	8.6	8.5
514199	All other information services	6	1 047	324	60	11	84.7	—
5142	Data processing services	383	3 468 961	872 608	240 419	21 436	.3	2.0
51421	Data processing services	383	3 468 961	872 608	240 419	21 436	.3	2.0
514210	Data processing services	383	3 468 961	872 608	240 419	21 436	.3	2.0

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Table 2. Summary Statistics for Metropolitan Areas: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
BENTON HARBOR, MI MSA								
512	Motion picture & sound recording industries	10	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	18	51 815	9 881	2 452	339	—	—
DETROIT-ANN ARBOR-FLINT, MI CMSA								
5112	Software publishers	202	D	D	D	h	D	D
51121	Software publishers	202	D	D	D	h	D	D
511210	Software publishers	202	D	D	D	h	D	D
512	Motion picture & sound recording industries	291	D	D	D	h	D	D
5121	Motion picture & video industries	258	D	D	D	h	D	D
51211	Motion picture & video production	112	97 099	17 804	5 467	457	32.3	3.8
512110	Motion picture & video production	112	97 099	17 804	5 467	457	32.3	3.8
5121101	Motion picture production (except for television)	81	70 772	14 641	4 675	353	38.7	4.8
5121102	Motion picture & video production for television	31	26 327	3 163	792	104	15.0	1.4
51213	Motion picture & video exhibition	91	D	D	D	h	D	D
512131	Motion picture theaters (except drive-ins)	86	D	D	D	h	D	D
512132	Drive-in motion picture theaters	5	D	D	D	b	D	D
51219	Post production & other motion picture & video industries	54	70 693	24 603	5 942	609	3.4	14.3
512191	Teleproduction & other postproduction services	47	D	D	D	f	D	D
5122	Sound recording industries	33	D	D	D	c	D	D
51224	Sound recording studios	16	D	D	D	b	D	D
512240	Sound recording studios	16	D	D	D	b	D	D
513	Broadcasting & telecommunications	676	7 468 693	987 464	260 724	22 248	.7	4.1
5131	Radio & television broadcasting	86	716 305	159 029	40 064	3 821	1.6	5.1
51311	Radio broadcasting	64	299 422	83 845	20 926	2 237	1.7	5.1
513112	Radio stations	60	D	D	D	g	D	D
51312	Television broadcasting	22	416 883	75 184	19 138	1 584	1.5	5.2
513120	Television broadcasting	22	416 883	75 184	19 138	1 584	1.5	5.2
5132	Cable networks & program distribution	82	743 040	92 395	21 834	2 895	.3	19.7
51322	Cable & other program distribution	69	690 919	88 964	20 969	2 824	.3	20.9
513220	Cable & other program distribution	69	690 919	88 964	20 969	2 824	.3	20.9
514	Information services & data processing services	368	D	D	D	j	D	D
5141	Information services	72	D	D	D	f	D	D
51419	Other information services	51	D	D	D	f	D	D
514191	Online information services	48	D	D	D	f	D	D
5142	Data processing services	296	D	D	D	j	D	D
51421	Data processing services	296	D	D	D	j	D	D
514210	Data processing services	296	D	D	D	j	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
DETROIT—ANN ARBOR—FLINT, MI CMSA—Con.								
Ann Arbor, MI PMSA								
5112	Software publishers	59	159 950	71 846	16 566	1 511	3.3	5.3
51121	Software publishers	59	159 950	71 846	16 566	1 511	3.3	5.3
511210	Software publishers	59	159 950	71 846	16 566	1 511	3.3	5.3
512	Motion picture & sound recording industries	24	22 118	3 350	749	325	5.3	.5
5121	Motion picture & video industries	21	D	D	D	e	D	D
51213	Motion picture & video exhibition	9	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins)	8	D	D	D	e	D	D
513	Broadcasting & telecommunications	61	525 224	40 702	11 273	1 038	.6	—
5131	Radio & television broadcasting	10	D	D	D	c	D	D
51311	Radio broadcasting	9	D	D	D	c	D	D
513112	Radio stations	8	D	D	D	c	D	D
514	Information services & data processing services	31	132 222	61 653	15 297	1 197	1.5	3.8
5141	Information services	16	D	D	D	e	D	D
51419	Other information services	13	D	D	D	e	D	D
514191	Online information services	13	D	D	D	e	D	D
5142	Data processing services	15	D	D	D	f	D	D
51421	Data processing services	15	D	D	D	f	D	D
514210	Data processing services	15	D	D	D	f	D	D
Detroit, MI PMSA								
5112	Software publishers	139	574 811	188 538	44 479	2 960	2.5	13.6
51121	Software publishers	139	574 811	188 538	44 479	2 960	2.5	13.6
511210	Software publishers	139	574 811	188 538	44 479	2 960	2.5	13.6
512	Motion picture & sound recording industries	255	308 767	63 576	16 273	3 242	13.0	4.9
5121	Motion picture & video industries	226	295 209	59 479	15 409	3 153	11.8	4.7
51211	Motion picture & video production	102	94 501	16 965	5 297	429	33.2	3.8
512110	Motion picture & video production	102	94 501	16 965	5 297	429	33.2	3.8
5121101	Motion picture production (except for television)	73	D	D	D	e	D	D
5121102	Motion picture & video production for television	29	D	D	D	c	D	D
51213	Motion picture & video exhibition	74	130 115	18 133	4 204	2 133	1.4	—
512131	Motion picture theaters (except drive-ins)	72	D	D	D	g	D	D
512132	Drive-in motion picture theaters	2	D	D	D	b	D	D
51219	Post production & other motion picture & video industries	49	D	D	D	f	D	D
512191	Teleproduction & other postproduction services	42	D	D	D	f	D	D
5122	Sound recording industries	29	13 558	4 097	864	89	41.0	9.6
51224	Sound recording studios	13	D	D	D	b	D	D
512240	Sound recording studios	13	D	D	D	b	D	D
513	Broadcasting & telecommunications	563	6 705 760	911 969	240 223	20 242	.7	4.2
5131	Radio & television broadcasting	66	665 011	146 390	36 569	3 168	1.2	2.1
51311	Radio broadcasting	48	277 890	76 603	19 180	1 865	.6	3.5
513112	Radio stations	45	274 689	75 382	19 003	1 843	.4	3.5
51312	Television broadcasting	18	387 121	69 787	17 389	1 303	1.6	1.1
513120	Television broadcasting	18	387 121	69 787	17 389	1 303	1.6	1.1
5132	Cable networks & program distribution	72	679 019	87 315	20 581	2 725	.2	21.6
51322	Cable & other program distribution	59	626 898	83 884	19 716	2 654	.2	23.1
513220	Cable & other program distribution	59	626 898	83 884	19 716	2 654	.2	23.1
514	Information services & data processing services	302	2 809 482	695 534	193 008	17 194	.4	2.5
5141	Information services	54	72 191	15 943	3 212	548	5.5	10.0
51419	Other information services	37	D	D	D	e	D	D
514191	Online information services	34	D	D	D	e	D	D
5142	Data processing services	248	2 737 291	679 591	189 796	16 646	.3	2.3
51421	Data processing services	248	2 737 291	679 591	189 796	16 646	.3	2.3
514210	Data processing services	248	2 737 291	679 591	189 796	16 646	.3	2.3
Flint, MI PMSA								
512	Motion picture & sound recording industries	12	D	D	D	c	D	D
5121	Motion picture & video industries	11	D	D	D	c	D	D
51213	Motion picture & video exhibition	8	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	6	D	D	D	c	D	D
513	Broadcasting & telecommunications	52	237 709	34 793	9 228	968	1.8	9.9
5131	Radio & television broadcasting	10	D	D	D	e	D	D
51311	Radio broadcasting	7	D	D	D	c	D	D
513112	Radio stations	7	D	D	D	c	D	D
5132	Cable networks & program distribution	6	D	D	D	c	D	D
51322	Cable & other program distribution	6	D	D	D	c	D	D
513220	Cable & other program distribution	6	D	D	D	c	D	D
514	Information services & data processing services	35	D	D	D	g	D	D
5142	Data processing services	33	D	D	D	g	D	D
51421	Data processing services	33	D	D	D	g	D	D
514210	Data processing services	33	D	D	D	g	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
GRAND RAPIDS—MUSKEGON—HOLLAND, MI MSA								
512	Motion picture & sound recording industries	63	D	D	D	f	D	D
5121	Motion picture & video industries	56	D	D	D	f	D	D
51211	Motion picture & video production	30	D	D	D	c	D	D
512110	Motion picture & video production	30	D	D	D	c	D	D
5121101	Motion picture production (except for television)	26	D	D	D	c	D	D
51213	Motion picture & video exhibition	19	D	D	D	f	D	D
512131	Motion picture theaters (except drive-ins)	18	D	D	D	f	D	D
513	Broadcasting & telecommunications	143	925 537	130 583	32 551	3 484	.3	1.8
5131	Radio & television broadcasting	25	D	D	D	f	D	D
51311	Radio broadcasting	21	D	D	D	f	D	D
513112	Radio stations	21	D	D	D	f	D	D
5132	Cable networks & program distribution	14	D	D	D	e	D	D
51322	Cable & other program distribution	13	D	D	D	e	D	D
513220	Cable & other program distribution	13	D	D	D	e	D	D
514	Information services & data processing services	38	D	D	D	e	D	D
5142	Data processing services	25	D	D	D	e	D	D
51421	Data processing services	25	D	D	D	e	D	D
514210	Data processing services	25	D	D	D	e	D	D
JACKSON, MI MSA								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	15	44 464	7 773	2 074	205	.4	—
KALAMAZOO—BATTLE CREEK, MI MSA								
512	Motion picture & sound recording industries	20	D	D	D	e	D	D
5121	Motion picture & video industries	19	D	D	D	e	D	D
51213	Motion picture & video exhibition	10	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	10	D	D	D	c	D	D
513	Broadcasting & telecommunications	61	249 442	46 121	11 495	1 347	.4	2.0
5131	Radio & television broadcasting	13	34 918	10 860	2 697	379	1.8	—
51311	Radio broadcasting	9	D	D	D	c	D	D
513112	Radio stations	6	D	D	D	c	D	D
LANSING—EAST LANSING, MI MSA								
512	Motion picture & sound recording industries	24	D	D	D	e	D	D
5121	Motion picture & video industries	22	D	D	D	e	D	D
51213	Motion picture & video exhibition	12	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	12	D	D	D	c	D	D
513	Broadcasting & telecommunications	72	353 351	59 412	13 791	1 472	1.0	5.0
5131	Radio & television broadcasting	20	65 442	17 747	2 784	427	.4	23.2
51311	Radio broadcasting	15	31 539	8 678	592	179	.9	46.8
513112	Radio stations	13	D	D	D	c	D	D
514	Information services & data processing services	28	D	D	D	g	D	D
5141	Information services	14	D	D	D	c	D	D
51419	Other information services	9	D	D	D	b	D	D
5142	Data processing services	14	D	D	D	g	D	D
51421	Data processing services	14	D	D	D	g	D	D
514210	Data processing services	14	D	D	D	g	D	D
SAGINAW—BAY CITY—MIDLAND, MI MSA								
512	Motion picture & sound recording industries	9	D	D	D	c	D	D
5121	Motion picture & video industries	9	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	56	483 799	83 631	21 745	2 301	.3	.1
5131	Radio & television broadcasting	13	28 107	10 682	2 667	417	5.2	.1
51311	Radio broadcasting	12	D	D	D	e	D	D
513112	Radio stations	12	D	D	D	e	D	D
514	Information services & data processing services	25	D	D	D	f	D	D
5142	Data processing services	20	D	D	D	f	D	D
51421	Data processing services	20	D	D	D	f	D	D
514210	Data processing services	20	D	D	D	f	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
AREA OUTSIDE MICHIGAN METROPOLITAN AREAS								
512	Motion picture & sound recording industries	70	D	D	D	f	D	D
5121	Motion picture & video industries	69	D	D	D	f	D	D
51213	Motion picture & video exhibition	58	D	D	D	f	D	D
512131	Motion picture theaters (except drive-ins)	55	D	D	D	f	D	D
513	Broadcasting & telecommunications	367	666 604	111 034	25 743	3 392	1.0	2.2
5131	Radio & television broadcasting	83	D	D	D	g	D	D
51311	Radio broadcasting	69	D	D	D	f	D	D
513112	Radio stations	69	D	D	D	f	D	D
5132	Cable networks & program distribution	40	D	D	D	e	D	D
51322	Cable & other program distribution	39	D	D	D	e	D	D
513220	Cable & other program distribution	39	D	D	D	e	D	D
514	Information services & data processing services	66	D	D	D	c	D	D
5141	Information services	47	D	D	D	c	D	D

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Table 3. Summary Statistics for Counties: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
ALGER COUNTY, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
ALLEGAN COUNTY, MI								
513	Broadcasting & telecommunications	16	D	D	D	c	D	D
ALPENA COUNTY, MI								
513	Broadcasting & telecommunications	11	28 476	4 730	995	160	1.0	—
BARRY COUNTY, MI								
513	Broadcasting & telecommunications	7	11 481	2 010	399	46	—	1.9
BAY COUNTY, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	9	77 113	11 061	2 640	287	—	—
BERRIEN COUNTY, MI								
512	Motion picture & sound recording industries	10	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	18	51 815	9 881	2 452	339	—	—
BRANCH COUNTY, MI								
513	Broadcasting & telecommunications	7	19 291	2 897	654	93	—	—
CALHOUN COUNTY, MI								
512	Motion picture & sound recording industries	5	D	D	D	c	D	D
5121	Motion picture & video industries	5	D	D	D	c	D	D
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	17	D	D	D	c	D	D
5131	Radio & television broadcasting	6	D	D	D	c	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
CASS COUNTY, MI								
513	Broadcasting & telecommunications	8	D	D	D	b	D	D
CHIPPEWA COUNTY, MI								
513	Broadcasting & telecommunications	10	16 090	2 686	624	88	—	—
CLINTON COUNTY, MI								
513	Broadcasting & telecommunications	8	D	D	D	b	D	D
DELTA COUNTY, MI								
513	Broadcasting & telecommunications	13	D	D	D	c	D	D
DICKINSON COUNTY, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
EATON COUNTY, MI								
513	Broadcasting & telecommunications	9	D	D	D	c	D	D
EMMET COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
GENESEE COUNTY, MI								
512	Motion picture & sound recording industries	12	D	D	D	c	D	D
5121	Motion picture & video industries	11	D	D	D	c	D	D
51213	Motion picture & video exhibition	8	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	6	D	D	D	c	D	D
513	Broadcasting & telecommunications	52	237 709	34 793	9 228	968	1.8	9.9
5131	Radio & television broadcasting	10	D	D	D	e	D	D
51311	Radio broadcasting	7	D	D	D	c	D	D
513112	Radio stations	7	D	D	D	c	D	D
5132	Cable networks & program distribution	6	D	D	D	c	D	D
51322	Cable & other program distribution	6	D	D	D	c	D	D
513220	Cable & other program distribution	6	D	D	D	c	D	D
514	Information services & data processing services	35	D	D	D	g	D	D
5142	Data processing services	33	D	D	D	g	D	D
51421	Data processing services	33	D	D	D	g	D	D
514210	Data processing services	33	D	D	D	g	D	D
GRAND TRAVERSE COUNTY, MI								
512	Motion picture & sound recording industries	7	6 413	913	240	101	10.6	—
5121	Motion picture & video industries	7	6 413	913	240	101	10.6	—
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	26	78 801	15 592	3 733	490	2.9	2.6
5131	Radio & television broadcasting	7	13 750	5 298	1 134	221	.6	7.5
GRATIOT COUNTY, MI								
513	Broadcasting & telecommunications	10	D	D	D	b	D	D
HOUGHTON COUNTY, MI								
513	Broadcasting & telecommunications	9	10 989	1 787	476	61	—	—
HURON COUNTY, MI								
513	Broadcasting & telecommunications	15	17 697	2 892	703	68	—	—

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
INGHAM COUNTY, MI								
512	Motion picture & sound recording industries	19	D	D	D	c	D	D
5121	Motion picture & video industries	17	D	D	D	c	D	D
51213	Motion picture & video exhibition	9	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	9	D	D	D	c	D	D
513	Broadcasting & telecommunications	55	305 693	52 080	11 848	1 281	1.2	5.3
5131	Radio & television broadcasting	19	D	D	D	e	D	D
51311	Radio broadcasting	15	31 539	8 678	592	179	.9	46.8
513112	Radio stations	13	D	D	D	c	D	D
514	Information services & data processing services	24	D	D	D	g	D	D
5141	Information services	12	D	D	D	c	D	D
51419	Other information services	8	D	D	D	b	D	D
5142	Data processing services	12	D	D	D	g	D	D
51421	Data processing services	12	D	D	D	g	D	D
514210	Data processing services	12	D	D	D	g	D	D
ISABELLA COUNTY, MI								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	13	24 875	4 154	941	140	—	—
JACKSON COUNTY, MI								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	15	44 464	7 773	2 074	205	.4	—
KALAMAZOO COUNTY, MI								
512	Motion picture & sound recording industries	15	12 692	2 304	551	193	9.5	.2
5121	Motion picture & video industries	14	D	D	D	c	D	D
51213	Motion picture & video exhibition	6	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	6	D	D	D	c	D	D
513	Broadcasting & telecommunications	34	195 826	36 768	9 290	1 064	.1	1.0
5131	Radio & television broadcasting	7	D	D	D	e	D	D
KENT COUNTY, MI								
512	Motion picture & sound recording industries	44	41 805	8 795	2 216	572	8.3	1.5
5121	Motion picture & video industries	38	D	D	D	f	D	D
51213	Motion picture & video exhibition	10	25 860	4 077	1 027	442	1.3	—
512131	Motion picture theaters (except drive-ins)	10	25 860	4 077	1 027	442	1.3	—
513	Broadcasting & telecommunications	78	688 035	95 759	24 047	2 423	.2	2.3
5131	Radio & television broadcasting	13	95 972	25 887	6 162	674	1.0	—
51311	Radio broadcasting	10	D	D	D	e	D	D
513112	Radio stations	10	D	D	D	e	D	D
5132	Cable networks & program distribution	6	D	D	D	e	D	D
51322	Cable & other program distribution	5	D	D	D	e	D	D
513220	Cable & other program distribution	5	D	D	D	e	D	D
514	Information services & data processing services	26	37 282	10 589	2 336	337	.4	3.0
5142	Data processing services	17	D	D	D	e	D	D
51421	Data processing services	17	D	D	D	e	D	D
514210	Data processing services	17	D	D	D	e	D	D
LAPEER COUNTY, MI								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	11	D	D	D	b	D	D
LEELANAU COUNTY, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
LENAWEE COUNTY, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	16	D	D	D	c	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
LIVINGSTON COUNTY, MI								
512	Motion picture & sound recording industries	6	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	9	29 347	4 614	1 154	121	3.9	.4
MACOMB COUNTY, MI								
512	Motion picture & sound recording industries	24	D	D	D	e	D	D
5121	Motion picture & video industries	22	D	D	D	e	D	D
51213	Motion picture & video exhibition	10	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins)	10	D	D	D	e	D	D
513	Broadcasting & telecommunications	62	345 446	52 763	13 808	1 348	1.9	19.4
5132	Cable networks & program distribution	7	D	D	D	e	D	D
51322	Cable & other program distribution	5	D	D	D	e	D	D
513220	Cable & other program distribution	5	D	D	D	e	D	D
514	Information services & data processing services	42	D	D	D	g	D	D
5142	Data processing services	38	D	D	D	g	D	D
51421	Data processing services	38	D	D	D	g	D	D
514210	Data processing services	38	D	D	D	g	D	D
MANISTEE COUNTY, MI								
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
MARQUETTE COUNTY, MI								
512	Motion picture & sound recording industries	4	1 721	216	51	53	4.8	—
5121	Motion picture & video industries	4	1 721	216	51	53	4.8	—
513	Broadcasting & telecommunications	20	51 616	10 256	2 432	362	.7	13.3
MASON COUNTY, MI								
513	Broadcasting & telecommunications	8	9 833	1 547	356	55	—	—
MENOMINEE COUNTY, MI								
513	Broadcasting & telecommunications	5	12 301	2 385	643	64	—	—
MIDLAND COUNTY, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	9	29 590	3 109	785	71	1.9	.9
514	Information services & data processing services	8	16 761	3 933	978	109	2.3	8.2
MONROE COUNTY, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	14	30 150	4 656	1 111	149	—	—
MONTCALM COUNTY, MI								
513	Broadcasting & telecommunications	10	D	D	D	b	D	D
MUSKEGON COUNTY, MI								
512	Motion picture & sound recording industries	8	D	D	D	c	D	D
5121	Motion picture & video industries	8	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	25	D	D	D	f	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
OAKLAND COUNTY, MI								
5112	Software publishers	100	537 500	174 573	41 252	2 603	1.9	14.1
51121	Software publishers	100	537 500	174 573	41 252	2 603	1.9	14.1
511210	Software publishers	100	537 500	174 573	41 252	2 603	1.9	14.1
512	Motion picture & sound recording industries	161	206 748	46 814	12 216	1 826	17.9	4.7
5121	Motion picture & video industries	142	194 829	43 063	11 465	1 757	16.4	4.4
51211	Motion picture & video production	71	77 408	13 550	4 455	304	37.4	.6
512110	Motion picture & video production	71	77 408	13 550	4 455	304	37.4	.6
5121101	Motion picture production (except for television)	49	D	D	D	c	D	D
5121102	Motion picture & video production for television	22	D	D	D	b	D	D
51213	Motion picture & video exhibition	32	52 346	6 616	1 588	908	2.9	.1
512131	Motion picture theaters (except drive-ins)	32	52 346	6 616	1 588	908	2.9	.1
51219	Post production & other motion picture & video industries	38	D	D	D	f	D	D
512191	Teleproduction & other postproduction services	35	61 727	22 257	5 260	523	2.5	13.1
5122	Sound recording industries	19	11 919	3 751	751	69	42.6	9.7
513	Broadcasting & telecommunications	253	3 854 369	471 487	125 233	9 568	.9	3.1
5131	Radio & television broadcasting	27	333 961	68 922	17 284	1 314	4	1.5
51311	Radio broadcasting	17	D	D	D	f	D	D
513112	Radio stations	16	D	D	D	e	D	D
51312	Television broadcasting	10	D	D	D	f	D	D
513120	Television broadcasting	10	D	D	D	f	D	D
5132	Cable networks & program distribution	32	143 998	17 623	4 344	589	.4	12.5
51322	Cable & other program distribution	24	D	D	D	f	D	D
513220	Cable & other program distribution	24	D	D	D	f	D	D
514	Information services & data processing services	163	2 006 798	494 650	139 773	11 951	.3	3.1
5141	Information services	18	D	D	D	c	D	D
51419	Other information services	12	D	D	D	b	D	D
514191	Online information services	11	D	D	D	b	D	D
5142	Data processing services	145	D	D	D	j	D	D
51421	Data processing services	145	D	D	D	j	D	D
514210	Data processing services	145	D	D	D	j	D	D
OTSEGO COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
OTTAWA COUNTY, MI								
512	Motion picture & sound recording industries	8	D	D	D	c	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	24	D	D	D	c	D	D
ROSCOMMON COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
SAGINAW COUNTY, MI								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	38	377 096	69 461	18 320	1 943	.2	—
5131	Radio & television broadcasting	10	25 257	10 011	2 526	390	3.5	.1
51311	Radio broadcasting	9	D	D	D	e	D	D
513112	Radio stations	9	D	D	D	e	D	D
514	Information services & data processing services	15	D	D	D	e	D	D
5142	Data processing services	13	D	D	D	e	D	D
51421	Data processing services	13	D	D	D	e	D	D
514210	Data processing services	13	D	D	D	e	D	D
ST. CLAIR COUNTY, MI								
512	Motion picture & sound recording industries	5	4 052	810	121	90	3.8	—
5121	Motion picture & video industries	5	4 052	810	121	90	3.8	—
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	21	D	D	D	f	D	D
ST. JOSEPH COUNTY, MI								
513	Broadcasting & telecommunications	13	D	D	D	b	D	D
SHIAWASSEE COUNTY, MI								
513	Broadcasting & telecommunications	10	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
TUSCOLA COUNTY, MI								
513	Broadcasting & telecommunications	12	29 840	3 943	911	91	—	.4
VAN BUREN COUNTY, MI								
513	Broadcasting & telecommunications	10	D	D	D	b	D	D
WASHTENAW COUNTY, MI								
5112	Software publishers	54	158 701	70 887	16 343	1 496	3.3	4.8
51121	Software publishers	54	158 701	70 887	16 343	1 496	3.3	4.8
511210	Software publishers	54	158 701	70 887	16 343	1 496	3.3	4.8
512	Motion picture & sound recording industries	17	D	D	D	c	D	D
5121	Motion picture & video industries	15	D	D	D	c	D	D
51213	Motion picture & video exhibition	6	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	36	D	D	D	f	D	D
5131	Radio & television broadcasting	6	D	D	D	c	D	D
514	Information services & data processing services	23	128 292	60 454	15 035	1 128	.5	3.0
5141	Information services	12	D	D	D	e	D	D
51419	Other information services	11	D	D	D	e	D	D
514191	Online information services	11	D	D	D	e	D	D
5142	Data processing services	11	D	D	D	f	D	D
51421	Data processing services	11	D	D	D	f	D	D
514210	Data processing services	11	D	D	D	f	D	D
WAYNE COUNTY, MI								
512	Motion picture & sound recording industries	57	D	D	D	f	D	D
5121	Motion picture & video industries	49	D	D	D	f	D	D
51213	Motion picture & video exhibition	25	D	D	D	f	D	D
512131	Motion picture theaters (except drive-ins)	23	D	D	D	f	D	D
512132	Drive-in motion picture theaters	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	202	2 364 452	364 477	95 327	8 550	.2	3.8
5131	Radio & television broadcasting	27	320 724	74 092	18 568	1 675	.3	2.7
51311	Radio broadcasting	21	D	D	D	g	D	D
513112	Radio stations	20	178 112	48 345	12 285	1 213	.2	3.8
51312	Television broadcasting	6	D	D	D	e	D	D
513120	Television broadcasting	6	D	D	D	e	D	D
5132	Cable networks & program distribution	27	406 066	54 080	12 593	1 654	.2	14.9
51322	Cable & other program distribution	24	D	D	D	g	D	D
513220	Cable & other program distribution	24	D	D	D	g	D	D
514	Information services & data processing services	88	D	D	D	h	D	D
5141	Information services	25	D	D	D	e	D	D
51419	Other information services	18	D	D	D	e	D	D
514191	Online information services	16	D	D	D	e	D	D
5142	Data processing services	63	D	D	D	g	D	D
51421	Data processing services	63	D	D	D	g	D	D
514210	Data processing services	63	D	D	D	g	D	D
WEXFORD COUNTY, MI								
513	Broadcasting & telecommunications	9	26 604	6 164	1 547	181	—	4.8
5131	Radio & television broadcasting	4	D	D	D	c	D	D

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Table 4. Summary Statistics for Places: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
ADRIAN, MI								
513	Broadcasting & telecommunications	7	18 348	3 013	636	118	.5	—
ALLEGAN, MI								
513	Broadcasting & telecommunications	3	10 679	2 688	529	71	—	—
ALLEN PARK, MI								
513	Broadcasting & telecommunications	3	D	D	D	c	D	D
ALMA, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
ALPENA, MI								
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
ALPINE TOWNSHIP, MI								
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
ANN ARBOR, MI								
5112	Software publishers	39	D	D	D	g	D	D
51121	Software publishers	39	D	D	D	g	D	D
511210	Software publishers	39	D	D	D	g	D	D
512	Motion picture & sound recording industries	14	D	D	D	c	D	D
5121	Motion picture & video industries	13	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	18	D	D	D	f	D	D
514	Information services & data processing services	14	D	D	D	g	D	D
5141	Information services	7	D	D	D	e	D	D
51419	Other information services	7	D	D	D	e	D	D
514191	Online information services	7	D	D	D	e	D	D
5142	Data processing services	7	D	D	D	f	D	D
51421	Data processing services	7	D	D	D	f	D	D
514210	Data processing services	7	D	D	D	f	D	D
AUBURN HILLS, MI								
514	Information services & data processing services	11	D	D	D	g	D	D
5141	Information services	1	D	D	D	a	D	D
51419	Other information services	1	D	D	D	a	D	D
5142	Data processing services	10	D	D	D	g	D	D
51421	Data processing services	10	D	D	D	g	D	D
514210	Data processing services	10	D	D	D	g	D	D
BATTLE CREEK, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	9	D	D	D	c	D	D
5131	Radio & television broadcasting	4	7 869	2 499	611	90	4.6	—
BAY CITY, MI								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D
BENTON TOWNSHIP, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
BIRMINGHAM, MI								
512	Motion picture & sound recording industries	9	7 185	1 187	241	81	5.5	.6
5121	Motion picture & video industries	8	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	8	41 498	5 844	1 798	188	—	.2
BLACKMAN TOWNSHIP, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
BLOOMFIELD TOWNSHIP, MI								
512	Motion picture & sound recording industries	14	D	D	D	b	D	D
5121	Motion picture & video industries	10	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	3 722	601	123	58	D	—
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
BLOOMFIELD HILLS, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
BRIGHTON, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
BUENA VISTA TOWNSHIP, MI								
514	Information services & data processing services	2	D	D	D	b	D	D
BURTON, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
CADILLAC, MI								
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
5131	Radio & television broadcasting	3	D	D	D	c	D	D
CANTON TOWNSHIP, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
CARO, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
CASCADE TOWNSHIP, MI								
513	Broadcasting & telecommunications	4	24 590	3 513	762	71	—	—
CHESANING, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
CHESTERFIELD TOWNSHIP, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
CLAWSON, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
CLINTON TOWNSHIP, MI								
512	Motion picture & sound recording industries	1	D	D	D	c	D	D
5121	Motion picture & video industries	1	D	D	D	c	D	D
51213	Motion picture & video exhibition	1	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	1	D	D	D	c	D	D
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
514	Information services & data processing services	2	D	D	D	c	D	D
COLDWATER, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
COMMERCE TOWNSHIP BALANCE, MI *								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
DAVISON, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
DEARBORN, MI								
512	Motion picture & sound recording industries	8	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
512132	Drive-in motion picture theaters	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	18	197 242	30 161	7 485	648	—	3.9
5131	Radio & television broadcasting	2	D	D	D	c	D	D
51311	Radio broadcasting	2	D	D	D	c	D	D
513112	Radio stations	2	D	D	D	c	D	D
514	Information services & data processing services	7	D	D	D	e	D	D
5141	Information services	2	D	D	D	b	D	D
51419	Other information services	1	D	D	D	b	D	D
5142	Data processing services	5	D	D	D	e	D	D
51421	Data processing services	5	D	D	D	e	D	D
514210	Data processing services	5	D	D	D	e	D	D
DELHI TOWNSHIP, MI								
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
5131	Radio & television broadcasting	5	D	D	D	c	D	D
51311	Radio broadcasting	5	D	D	D	c	D	D
513112	Radio stations	5	D	D	D	c	D	D
DELTA TOWNSHIP, MI								
513	Broadcasting & telecommunications	2	D	D	D	a	D	D
DETROIT, MI								
512	Motion picture & sound recording industries	13	D	D	D	b	D	D
5121	Motion picture & video industries	9	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	87	1 119 013	187 363	49 598	4 295	.2	4.4
5131	Radio & television broadcasting	21	D	D	D	g	D	D
51311	Radio broadcasting	16	D	D	D	g	D	D
513112	Radio stations	15	D	D	D	g	D	D
51312	Television broadcasting	5	D	D	D	e	D	D
513120	Television broadcasting	5	D	D	D	e	D	D
5132	Cable networks & program distribution	8	D	D	D	e	D	D
51322	Cable & other program distribution	7	D	D	D	e	D	D
513220	Cable & other program distribution	7	D	D	D	e	D	D
514	Information services & data processing services	29	D	D	D	g	D	D
5141	Information services	8	D	D	D	b	D	D
5142	Data processing services	21	D	D	D	g	D	D
51421	Data processing services	21	D	D	D	g	D	D
514210	Data processing services	21	D	D	D	g	D	D
EAST LANSING, MI								
513	Broadcasting & telecommunications	7	40 948	8 782	1 122	147	—	20.3
5131	Radio & television broadcasting	4	D	D	D	a	D	D
51311	Radio broadcasting	4	D	D	D	a	D	D
513112	Radio stations	4	D	D	D	a	D	D
ESCANABA, MI								
513	Broadcasting & telecommunications	10	D	D	D	c	D	D
FARMINGTON, MI								
512	Motion picture & sound recording industries	3	D	D	D	a	D	D
5121	Motion picture & video industries	3	D	D	D	a	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
FARMINGTON HILLS, MI								
5112	Software publishers	12	D	D	D	g	D	D
51121	Software publishers	12	D	D	D	g	D	D
511210	Software publishers	12	D	D	D	g	D	D
512	Motion picture & sound recording industries	19	D	D	D	e	D	D
5121	Motion picture & video industries	15	D	D	D	e	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
51219	Post production & other motion picture & video industries	7	26 713	11 181	2 349	209	—	—
512191	Teleproduction & other postproduction services	7	26 713	11 181	2 349	209	—	—
513	Broadcasting & telecommunications	22	384 675	38 372	10 984	927	5.8	.1
514	Information services & data processing services	9	D	D	D	e	D	D
5142	Data processing services	8	D	D	D	e	D	D
51421	Data processing services	8	D	D	D	e	D	D
514210	Data processing services	8	D	D	D	e	D	D
FERNDALE, MI								
513	Broadcasting & telecommunications	2	D	D	D	c	D	D
5131	Radio & television broadcasting	2	D	D	D	c	D	D
51311	Radio broadcasting	2	D	D	D	c	D	D
513112	Radio stations	2	D	D	D	c	D	D
FLINT, MI								
513	Broadcasting & telecommunications	21	D	D	D	f	D	D
5131	Radio & television broadcasting	6	29 112	7 443	1 929	241	7.8	77.4
51311	Radio broadcasting	5	D	D	D	c	D	D
513112	Radio stations	5	D	D	D	c	D	D
514	Information services & data processing services	21	D	D	D	g	D	D
5142	Data processing services	19	D	D	D	g	D	D
51421	Data processing services	19	D	D	D	g	D	D
514210	Data processing services	19	D	D	D	g	D	D
FLINT TOWNSHIP, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	15 009	1 913	507	45	—	.2
514	Information services & data processing services	6	D	D	D	f	D	D
5142	Data processing services	6	D	D	D	f	D	D
51421	Data processing services	6	D	D	D	f	D	D
514210	Data processing services	6	D	D	D	f	D	D
FRENCHTOWN TOWNSHIP, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
GARFIELD TOWNSHIP, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
GAYLORD, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
GRAND HAVEN, MI								
513	Broadcasting & telecommunications	5	13 897	2 209	535	73	—	—

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
GRAND RAPIDS, MI								
512	Motion picture & sound recording industries	28	17 432	4 991	1 267	179	14.2	3.7
5121	Motion picture & video industries	23	16 679	4 776	1 233	171	13.4	3.7
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	40	536 167	67 918	17 123	1 773	—	1.2
5131	Radio & television broadcasting	9	D	D	D	f	D	D
51311	Radio broadcasting	7	D	D	D	e	D	D
513112	Radio stations	7	D	D	D	e	D	D
5132	Cable networks & program distribution	4	D	D	D	e	D	D
51322	Cable & other program distribution	4	D	D	D	e	D	D
513220	Cable & other program distribution	4	D	D	D	e	D	D
514	Information services & data processing services	8	8 489	1 833	438	62	1.1	1.4
GRAND RAPIDS TOWNSHIP, MI								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
GREENVILLE, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
GROSSE POINTE PARK, MI								
513	Broadcasting & telecommunications	1	D	D	D	a	D	D
HAMTRAMCK, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
HARPER WOODS, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
HOLLAND, MI *								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
HOLLAND, MI (OTTAWA COUNTY PART) *								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
HOLLAND TOWNSHIP, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
HOWELL, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
IMLAY CITY, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
INDEPENDENCE TOWNSHIP, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
JACKSON, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	5	25 007	3 914	1 113	113	—	—
KALAMAZOO, MI								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	15	142 595	27 496	7 095	763	.1	1.3
5131	Radio & television broadcasting	4	D	D	D	e	D	D
KENTWOOD, MI								
514	Information services & data processing services	4	D	D	D	b	D	D
LANSING, MI *								
512	Motion picture & sound recording industries	7	D	D	D	b	D	D
513	Broadcasting & telecommunications	23	D	D	D	f	D	D
5131	Radio & television broadcasting	7	D	D	D	e	D	D
514	Information services & data processing services	11	D	D	D	g	D	D
5142	Data processing services	7	D	D	D	g	D	D
51421	Data processing services	7	D	D	D	g	D	D
514210	Data processing services	7	D	D	D	g	D	D
LANSING, MI (INGHAM COUNTY PART) *								
512	Motion picture & sound recording industries	7	D	D	D	b	D	D
513	Broadcasting & telecommunications	23	D	D	D	f	D	D
5131	Radio & television broadcasting	7	D	D	D	e	D	D
514	Information services & data processing services	11	D	D	D	g	D	D
5142	Data processing services	7	D	D	D	g	D	D
51421	Data processing services	7	D	D	D	g	D	D
514210	Data processing services	7	D	D	D	g	D	D
LAPEER, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
LATHRUP VILLAGE, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
LINCOLN PARK, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
LIVONIA, MI								
512	Motion picture & sound recording industries	7	D	D	D	c	D	D
5121	Motion picture & video industries	7	D	D	D	c	D	D
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	21	D	D	D	g	D	D
514	Information services & data processing services	19	49 502	13 438	3 296	410	.8	5.5
5142	Data processing services	14	D	D	D	e	D	D
51421	Data processing services	14	D	D	D	e	D	D
514210	Data processing services	14	D	D	D	e	D	D
MADISON HEIGHTS, MI								
512	Motion picture & sound recording industries	6	D	D	D	c	D	D
5121	Motion picture & video industries	5	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	c	D	D
5122	Sound recording industries	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
MARQUETTE, MI								
513	Broadcasting & telecommunications	11	D	D	D	c	D	D
MERIDIAN TOWNSHIP, MI								
512	Motion picture & sound recording industries	8	D	D	D	c	D	D
5121	Motion picture & video industries	7	D	D	D	c	D	D
51213	Motion picture & video exhibition	4	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	4	D	D	D	c	D	D
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
MIDLAND, MI *								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
514	Information services & data processing services	6	D	D	D	b	D	D
MIDLAND, MI (MIDLAND COUNTY PART) *								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
514	Information services & data processing services	6	D	D	D	b	D	D
MILFORD, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
514	Information services & data processing services	4	D	D	D	c	D	D
5142	Data processing services	4	D	D	D	c	D	D
51421	Data processing services	4	D	D	D	c	D	D
514210	Data processing services	4	D	D	D	c	D	D
MONROE, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
MOUNT CLEMENS, MI								
513	Broadcasting & telecommunications	7	D	D	D	e	D	D
MOUNT MORRIS TOWNSHIP, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
5131	Radio & television broadcasting	1	D	D	D	b	D	D
MOUNT PLEASANT, MI								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
MUSKEGON, MI								
513	Broadcasting & telecommunications	4	D	D	D	e	D	D
MUSKEGON TOWNSHIP, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
MUSKEGON HEIGHTS, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
NEGAUNEE, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
NORTON SHORES, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
NOVI, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	5	25 677	4 261	1 013	79	.9	.9
OAKLAND TOWNSHIP, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
OAK PARK, MI								
512	Motion picture & sound recording industries	6	5 183	1 447	342	91	—	1.7
5121	Motion picture & video industries	6	5 183	1 447	342	91	—	1.7
514	Information services & data processing services	2	D	D	D	b	D	D
ORION TOWNSHIP BALANCE, MI *								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	3	D	D	D	a	D	D
514	Information services & data processing services	1	D	D	D	b	D	D
OWOSSO, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
PAW PAW, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
PETOSKEY, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
PLYMOUTH, MI								
513	Broadcasting & telecommunications	10	D	D	D	f	D	D
5132	Cable networks & program distribution	6	D	D	D	f	D	D
51322	Cable & other program distribution	5	D	D	D	f	D	D
513220	Cable & other program distribution	5	D	D	D	f	D	D
PLYMOUTH TOWNSHIP, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
PONTIAC, MI								
512	Motion picture & sound recording industries	6	D	D	D	b	D	D
5121	Motion picture & video industries	6	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	14	D	D	D	f	D	D
514	Information services & data processing services	13	D	D	D	f	D	D
5142	Data processing services	13	D	D	D	f	D	D
51421	Data processing services	13	D	D	D	f	D	D
514210	Data processing services	13	D	D	D	f	D	D
PORTAGE, MI								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	8	40 148	6 085	1 524	229	.2	—

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
PORT HURON, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	8	D	D	D	e	D	D
REDFORD TOWNSHIP, MI								
513	Broadcasting & telecommunications	7	D	D	D	f	D	D
ROCHESTER HILLS, MI								
512	Motion picture & sound recording industries	4	D	D	D	c	D	D
5121	Motion picture & video industries	4	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	c	D	D
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
ROMULUS, MI								
513	Broadcasting & telecommunications	8	D	D	D	c	D	D
514	Information services & data processing services	5	D	D	D	c	D	D
5142	Data processing services	4	D	D	D	c	D	D
51421	Data processing services	4	D	D	D	c	D	D
514210	Data processing services	4	D	D	D	c	D	D
ROSEVILLE, MI								
513	Broadcasting & telecommunications	12	D	D	D	e	D	D
ROYAL OAK, MI								
512	Motion picture & sound recording industries	12	5 663	862	220	48	5.0	—
5121	Motion picture & video industries	12	5 663	862	220	48	5.0	—
513	Broadcasting & telecommunications	9	100 749	16 630	4 233	420	2.1	7.3
SAGINAW, MI								
513	Broadcasting & telecommunications	17	D	D	D	f	D	D
5131	Radio & television broadcasting	6	D	D	D	c	D	D
514	Information services & data processing services	6	D	D	D	c	D	D
SAGINAW TOWNSHIP, MI								
513	Broadcasting & telecommunications	9	D	D	D	f	D	D
514	Information services & data processing services	4	D	D	D	c	D	D
5142	Data processing services	4	D	D	D	c	D	D
51421	Data processing services	4	D	D	D	c	D	D
514210	Data processing services	4	D	D	D	c	D	D
ST. CLAIR SHORES, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
ST. JOSEPH, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
SAULT STE. MARIE, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
SHELBY TOWNSHIP, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
SOUTHFIELD, MI								
5112	Software publishers	31	265 019	46 594	12 241	582	.5	15.7
51121	Software publishers	31	265 019	46 594	12 241	582	.5	15.7
511210	Software publishers	31	265 019	46 594	12 241	582	.5	15.7
512	Motion picture & sound recording industries	24	D	D	D	e	D	D
5121	Motion picture & video industries	21	D	D	D	e	D	D
51211	Motion picture & video production	10	D	D	D	b	D	D
512110	Motion picture & video production	10	D	D	D	b	D	D
5121101	Motion picture production (except for television)	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
51219	Post production & other motion picture & video industries	10	D	D	D	c	D	D
512191	Teleproduction & other postproduction services	10	D	D	D	c	D	D
5122	Sound recording industries	3	D	D	D	a	D	D
513	Broadcasting & telecommunications	73	1 708 433	230 720	62 040	4 464	.4	5.2
5131	Radio & television broadcasting	14	279 606	53 451	13 579	1 058	.1	1.0
51311	Radio broadcasting	6	D	D	D	e	D	D
513112	Radio stations	6	D	D	D	e	D	D
51312	Television broadcasting	8	D	D	D	f	D	D
513120	Television broadcasting	8	D	D	D	f	D	D
514	Information services & data processing services	41	D	D	D	g	D	D
5142	Data processing services	34	D	D	D	g	D	D
51421	Data processing services	34	D	D	D	g	D	D
514210	Data processing services	34	D	D	D	g	D	D
SOUTHGATE, MI								
514	Information services & data processing services	2	D	D	D	c	D	D
SPRINGFIELD, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
STERLING HEIGHTS, MI								
512	Motion picture & sound recording industries	7	D	D	D	c	D	D
5121	Motion picture & video industries	7	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	c	D	D
513	Broadcasting & telecommunications	5	D	D	D	e	D	D
TAYLOR, MI								
512	Motion picture & sound recording industries	2	D	D	D	c	D	D
5121	Motion picture & video industries	2	D	D	D	c	D	D
51213	Motion picture & video exhibition	2	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	2	D	D	D	c	D	D
513	Broadcasting & telecommunications	7	50 647	8 926	2 137	216	.1	.1
TECUMSEH, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
THREE RIVERS, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
TRAVERSE CITY, MI *								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	17	52 791	11 405	2 912	338	3.0	3.9
5131	Radio & television broadcasting	7	D	D	D	c	D	D
TRAVERSE CITY, MI (GRAND TRAVERSE COUNTY PART) *								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	16	D	D	D	e	D	D
5131	Radio & television broadcasting	6	D	D	D	c	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
TROY, MI								
5112	Software publishers	22	D	D	D	e	D	D
51121	Software publishers	22	D	D	D	e	D	D
511210	Software publishers	22	D	D	D	e	D	D
512	Motion picture & sound recording industries	19	20 052	4 740	1 017	177	5.8	—
5121	Motion picture & video industries	18	D	D	D	c	D	D
51211	Motion picture & video production	10	13 109	2 476	499	73	.7	—
512110	Motion picture & video production	10	13 109	2 476	499	73	.7	—
5121101	Motion picture production (except for television)	6	11 069	1 994	385	44	—	—
513	Broadcasting & telecommunications	38	D	D	D	g	D	D
514	Information services & data processing services	37	D	D	D	i	D	D
5141	Information services	5	D	D	D	b	D	D
51419	Other information services	3	D	D	D	b	D	D
5142	Data processing services	32	D	D	D	i	D	D
51421	Data processing services	32	D	D	D	i	D	D
514210	Data processing services	32	D	D	D	i	D	D
UTICA, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
WALKER, MI								
512	Motion picture & sound recording industries	2	D	D	D	c	D	D
5121	Motion picture & video industries	2	D	D	D	c	D	D
51213	Motion picture & video exhibition	2	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	2	D	D	D	c	D	D
513	Broadcasting & telecommunications	1	D	D	D	c	D	D
5131	Radio & television broadcasting	1	D	D	D	c	D	D
WARREN, MI								
512	Motion picture & sound recording industries	5	D	D	D	c	D	D
5121	Motion picture & video industries	5	D	D	D	c	D	D
51213	Motion picture & video exhibition	1	D	D	D	c	D	D
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
514	Information services & data processing services	25	D	D	D	g	D	D
5142	Data processing services	24	D	D	D	g	D	D
51421	Data processing services	24	D	D	D	g	D	D
514210	Data processing services	24	D	D	D	g	D	D
WATERFORD TOWNSHIP, MI								
512	Motion picture & sound recording industries	7	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	5	D	D	D	c	D	D
WAYNE, MI								
513	Broadcasting & telecommunications	3	D	D	D	c	D	D
WEST BLOOMFIELD TOWNSHIP, MI								
512	Motion picture & sound recording industries	7	5 250	686	127	54	4.6	—
5121	Motion picture & video industries	7	5 250	686	127	54	4.6	—
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
WESTLAND, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
WOODHAVEN, MI								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
WYOMING, MI								
512	Motion picture & sound recording industries	3	D	D	D	c	D	D
5121	Motion picture & video industries	3	D	D	D	c	D	D
51213	Motion picture & video exhibition	1	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	1	D	D	D	c	D	D
513	Broadcasting & telecommunications	4	D	D	D	c	D	D
514	Information services & data processing services	6	D	D	D	c	D	D
YPSILANTI, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	1	D	D	D	b	D	D
514	Information services & data processing services	3	D	D	D	b	D	D
BALANCE OF ALLEGAN COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
BALANCE OF BAY COUNTY, MI								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D
BALANCE OF BERRIEN COUNTY, MI								
512	Motion picture & sound recording industries	6	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	a	D	D
51213	Motion picture & video exhibition	4	D	D	D	a	D	D
513	Broadcasting & telecommunications	9	D	D	D	c	D	D
BALANCE OF BRANCH COUNTY, MI								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
BALANCE OF DICKINSON COUNTY, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
BALANCE OF EATON COUNTY, MI								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
BALANCE OF EMMET COUNTY, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
BALANCE OF HURON COUNTY, MI								
513	Broadcasting & telecommunications	12	D	D	D	b	D	D
BALANCE OF INGHAM COUNTY, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	11	D	D	D	c	D	D
BALANCE OF ISABELLA COUNTY, MI								
513	Broadcasting & telecommunications	8	D	D	D	b	D	D
BALANCE OF KALAMAZOO COUNTY, MI								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	8	D	D	D	b	D	D
BALANCE OF LEELANAU COUNTY, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D

See footnotes at end of table.

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

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
BALANCE OF LENAWEE COUNTY, MI								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
BALANCE OF MACOMB COUNTY, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
BALANCE OF MARQUETTE COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
BALANCE OF MENOMINEE COUNTY, MI								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
BALANCE OF OAKLAND COUNTY, MI								
512	Motion picture & sound recording industries	3	D	D	D	a	D	D
5122	Sound recording industries	2	D	D	D	a	D	D
513	Broadcasting & telecommunications	13	D	D	D	f	D	D
514	Information services & data processing services	2	D	D	D	c	D	D
BALANCE OF OTSEGO COUNTY, MI								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
BALANCE OF ROSCOMMON COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
BALANCE OF SAGINAW COUNTY, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
BALANCE OF ST. CLAIR COUNTY, MI								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	11	D	D	D	b	D	D
BALANCE OF TUSCOLA COUNTY, MI								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
BALANCE OF VAN BUREN COUNTY, MI								
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
BALANCE OF WASHTENAW COUNTY, MI								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Appendix A.

Explanation of Terms

ANNUAL PAYROLL (\$1,000)

Payroll includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation allowances, sick-leave pay, and employee contributions to qualified pension plans paid during the year to all employees. Also included are tips and gratuities received by employees from patrons and reported to employers and the value of payments in kind (e.g., free meals and lodging). If an employee works at more than one location, the payroll is included in the one location where they spend most of their time. Also included are salaries of professional service organizations or associations which operate under state professional corporation statutes and file a corporate Federal income tax return. Excluded are payrolls of departments or concessions operated by other companies at the establishment. For corporations, payroll includes amounts paid to officers and executives; for unincorporated businesses, it does not include profit or other compensation of proprietors or partners. Payroll is reported before deductions for social security, income tax, insurance, union dues, etc. This definition of payroll is the same as that used by the Internal Revenue Service (IRS) on Form 941.

FIRST-QUARTER PAYROLL (\$1,000)

Represents payroll paid to persons employed at any time during the quarter January to March 1997.

NUMBER OF ESTABLISHMENTS

An establishment is a single physical location at which business is conducted and/or services are provided. It is not necessarily identical with a company or enterprise, which may consist of one establishment or more. Economic census figures represent a summary of reports for individual establishments rather than companies. For cases where a census report was received, separate information was obtained for each location where business was conducted. When administrative records of other Federal agencies were used instead of a census report, no information was available on the number of locations operated. Each economic census establishment was tabulated according to the physical location at which the business was conducted. The count of establishments represents those in business at any time during 1997.

When two activities or more were carried on at a single location under a single ownership, all activities generally were grouped together as a single establishment. The

entire establishment was classified on the basis of its major activity and all data for it were included in that classification. However, when distinct and separate economic activities (for which different industry classification codes were appropriate) were conducted at a single location under a single ownership, separate establishment reports for each of the different activities were obtained in the census. An establishment is included in the census if it is an employer, the establishment has \$1,000 in payroll, and was in operation at any time during 1997. Leased service departments (separately owned businesses operated as departments or concessions of other service establishments or of retail businesses, such as a separately owned shoeshine parlor in a barber shop, or a beauty shop in a department store) are treated as separate service establishments for census purposes. Leased retail departments located in service establishments (e.g., a gift shop located at a hotel) are considered separate retail establishments.

NUMBER OF PAID EMPLOYEES FOR PAY PERIOD INCLUDING MARCH 12

Paid employees consists of full-time and part-time employees, including salaried officers and executives of corporations, who were on the payroll during the pay period including March 12. Included are employees on paid sick leave, paid holidays, and paid vacations; and members of a professional service organization or association which operates under state professional corporation statutes and files a corporate Federal income tax return. Not included are proprietors and partners of unincorporated businesses, and employees of departments or concessions operated by other companies at the establishment. The definition of paid employees is the same as that used on IRS Form 941.

RECEIPTS (\$1,000)

Includes receipts from customers or clients for services rendered, from the use of facilities, and from merchandise sold during 1997, whether or not payment was received in 1997. Receipts include royalties, license fees, and other payments from the marketing of intangible products (e.g., licensing the use of or granting reproduction rights for software, musical compositions, and other intellectual property). Receipts also include the rental and leasing of vehicles, equipment, instruments, tools, etc.; total value of service contracts; market value of compensation received in lieu of cash; amounts received for work subcontracted

to others; dues and assessments for members and affiliates; this establishment's share of receipts from departments, concessions, and vending and amusement machines operated by others. Receipts from services provided to foreign customers from U.S. locations, including services performed for foreign parent firms, subsidiaries, and branches are included. Public broadcast stations and libraries include receipts from contributions, gifts, grants, and income from interest, rental of real estate, and dividends.

Receipts do not include sales and other taxes collected directly from customers of clients and paid directly to a local, state, or Federal tax agency. Also excluded are gross receipts collected on behalf of others; gross receipts or departments or concessions operated by others; sales of used equipment previously rented or leased to customers; proceeds from the sale of real estate (land and buildings), investments, or other assets (except inventory held for

resale); contributions, gifts, grants, and income from interest, rental of real estate, and dividends EXCEPT for public broadcast stations and libraries; domestic intracompany transfers; receipts of foreign subsidiaries; and other non-operating income.

SALES, RECEIPTS, OR REVENUE ESTIMATED (PERCENT)

Percent of total sales/receipts/revenue that was imputed based on historic company ratios or administrative records, or on industry averages.

SALES, RECEIPTS, OR REVENUE FROM ADMINISTRATIVE RECORDS (PERCENT)

Percent of total sales/receipts/revenue obtained from administrative records of other Federal agencies.

Appendix B.

NAICS Codes, Titles, and Descriptions

51 INFORMATION

The Information sector comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data.

The main components of this sector are the publishing industries, including software publishing, the motion picture and sound recording industries, the broadcasting and telecommunications industries, and the information services and data processing services industries.

The expressions “information age” and “global information economy” are used with considerable frequency today. The general idea of an “information economy” includes both the notion of industries primarily producing, processing, and distributing information, as well as the idea that every industry is using available information and information technology to reorganize and make themselves more productive.

For the purpose of developing NAICS, it is the transformation of information into a commodity that is produced and distributed by a number of growing industries that is at issue. The Information sector groups three types of establishments: (1) those engaged in producing and distributing information and cultural products; (2) those that provide the means to transmit or distribute these products as well as data or communications; and (3) those that process data. Cultural products are those that directly express attitudes, opinions, ideas, values, and artistic creativity; provide entertainment; or offer information and analysis concerning the past and present. Included in this definition are popular, mass-produced, products as well as cultural products that normally have a more limited audience, such as poetry books, literary magazines, or classical records.

The unique characteristics of information and cultural products, and of the processes involved in their production and distribution, distinguish the Information sector from the goods-producing and service-producing sectors. Some of these characteristics are:

Unlike traditional goods, an “information or cultural product,” such as a newspaper on-line or television program, does not necessarily have tangible qualities, nor is it necessarily associated with a particular form. A movie can be shown at a movie theater, on a television broadcast, through video-on-demand or rented at a local video store. A sound recording can be aired on radio, embedded in multimedia products, or sold at a record store.

Unlike traditional services, the delivery of these products does not require direct contact between the supplier and the consumer.

The value of these products to the consumer lies in their informational, educational, cultural, or entertainment content, not in the format in which they are distributed. Most of these products are protected from unlawful reproduction by copyright laws.

The intangible property aspect of information and cultural products makes the processes involved in their production and distribution very different from goods and services. Only those possessing the rights to these works are authorized to reproduce, alter, improve, and distribute them. Acquiring and using these rights often involves significant costs. In addition, technology is revolutionizing the distribution of these products. It is possible to distribute them in a physical form, via broadcast, or on-line.

Distributors of information and cultural products can easily add value to the products they distribute. For instance, broadcasters add advertising not contained in the original product. This capacity means that unlike traditional distributors, they derive revenue not from sale of the distributed product to the final consumer, but from those who pay for the privilege of adding information to the original product. Similarly, a database publisher can acquire the rights to thousands of previously published newspaper and periodical articles and add new value by providing search and software and organizing the information in a way that facilitates research and retrieval. These products often command a much higher price than the original information.

The distribution modes for information commodities may either eliminate the necessity for traditional manufacture, or reverse the conventional order of manufacture-distribute: A newspaper distributed on-line, for example, can be printed locally or by the final consumer. Similarly, it is anticipated that packaged software, which today is mainly bought through the traditional retail channels, will soon be available mainly on-line. The NAICS Information sector is designed to make such economic changes transparent as they occur, or to facilitate designing surveys that will monitor the new phenomena and provide data to analyze the changes.

Many of the industries in the NAICS Information sector are engaged in producing products protected by copyright law, or in distributing them (other than distribution by traditional wholesale and retail methods). Examples are traditional publishing industries, software and database publishing industries, and film and sound industries.

Broadcasting and telecommunications industries and information providers and processors are also included in the Information sector, because their technologies are so closely linked to other industries in the Information sector.

511 Publishing Industries

Industries in the Publishing Industries subsector group establishments engaged in the publishing of newspapers, magazines, other periodicals, and books, as well as database and software publishing. In general, these establishments, which are known as publishers, issue copies of works for which they usually possess copyright. Works may be in one or more formats including traditional print form, CD-ROM, or on-line. Publishers may publish works originally created by others for which they have obtained the rights and/or works that they have created in-house. Software publishing is included here because the activity, creation of a copyrighted product and bringing it to market, is equivalent to the creation process for other types of intellectual products.

In NAICS, publishing, the reporting, writing, editing, and other processes that are required to create an edition of a newspaper, is treated as a major economic activity in its own right, rather than as a subsidiary activity to a manufacturing activity, printing. Thus, publishing is classified in the Information sector; whereas, printing remains in the NAICS Manufacturing sector. In part, the NAICS classification reflects the fact that publishing increasingly takes place in establishments that are physically separate from the associated printing establishments. More crucially, the NAICS classification of book and newspaper publishing is intended to portray their roles in a modern economy, in which they do not resemble manufacturing activities.

Music publishers are not included in the Publishing Industries subsector, but are included in the Motion Picture and Sound Recording Industries subsector. Reproduction of prepackaged software is treated in NAICS as a manufacturing activity; on-line distribution of software products is in the Information sector, and custom design of software to client specifications is included in the Professional, Scientific, and Technical Services sector. These distinctions arise because of the different ways that software is created, reproduced, and distributed.

The Information sector does not include products, such as manifold business forms. Information is not the essential component of these items. Establishments producing these items are included in Manufacturing Subsector 323, Printing and Related Support Activities.

5111 Newspaper, Periodical, Book, and Database Publishers

This industry group comprises establishments primarily engaged in publishing newspapers, magazines, other periodicals, books, databases, and other works, such as calendars, greeting cards, and maps. These works are characterized by the intellectual creativity required in their

development and are usually protected by copyright. Publishers distribute or arrange for the distribution of these works.

Publishing establishments may create the works in-house, contract for, purchase, or compile works that were originally created by others. These works may be published in one or more formats, such as print and/or electronic form, including on-line. Establishments in this industry may print, reproduce or offer direct access to the works themselves or may arrange with others the carry out such functions.

Establishments that both print and publish may fill excess capacity with commercial or job printing. However, the publishing activity is still considered to be the primary activity of these establishments.

51111 Newspaper Publishers

This industry comprises establishments known as newspaper publishers. Establishments in this industry carry out operations necessary for producing and distributing newspapers, including gathering news; writing news columns, feature stories, and editorials; and selling and preparing advertisements. These establishments may publish newspapers in print or electronic form.

511110 Newspaper Publishers

This industry comprises establishments known as newspaper publishers. Establishments in this industry carry out operations necessary for producing and distributing newspapers, including gathering news; writing news columns, feature stories, and editorials; and selling and preparing advertisements. These establishments may publish newspapers in print or electronic form.

The data published with NAICS code 511110 include the following SIC industry:

2711 Newspapers

51112 Periodical Publishers

This industry comprises establishments known as magazine or periodical publishers. These establishments carry out the operations necessary for producing and distributing magazines and other periodicals, such as gathering, writing, and editing articles, and selling and preparing advertisements. These establishments may publish magazines and other periodicals in print or electronic form.

511120 Periodical Publishers

This industry comprises establishments known as magazine or periodical publishers. These establishments carry out the operations necessary for producing and distributing magazines and other periodicals, such as gathering, writing, and editing articles, and selling and preparing advertisements. These establishments may publish magazines and other periodicals in print or electronic form.

The data published with NAICS code 511120 include the following SIC industry:

2721 Periodicals

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 511120 do not include establishments primarily engaged in publishing shopping news. The NAICS definitions will be fully implemented with the 2002 Economic Census.

51113 Book Publishers

This industry comprises establishments known as book publishers. Establishments in this industry carry out design, editing, and marketing activities necessary for producing and distributing books. These establishments may publish books in print, electronic, or audio form.

511130 Book Publishers

This industry comprises establishments known as book publishers. Establishments in this industry carry out design, editing, and marketing activities necessary for producing and distributing books. These establishments may publish books in print, electronic, or audio form.

The data published with NAICS code 511130 include the following SIC industry:

2731 Book publishing (pt)

51114 Database and Directory Publishers

This industry comprises establishments primarily engaged in publishing compilations and collections of information or facts that are logically organized to facilitate their use. These collections may be published in print or electronic form. Electronic versions may be provided directly to customers by the establishment or offered through on-line services or third-party vendors.

511140 Database and Directory Publishers

This industry comprises establishments primarily engaged in publishing compilations and collections of information or facts that are logically organized to facilitate their use. These collections may be published in print or electronic form. Electronic versions may be provided directly to customers by the establishment or offered through on-line services or third-party vendors.

The data published with NAICS code 511140 include the following SIC industries:

2741 Miscellaneous publishing (pt)

7331 Direct mail advertising services (pt)

51119 Other Publishers

This industry comprises establishments known as publishers (except newspaper, magazine, book, directory, database, and music publishers). These establishments may publish works in print or electronic form.

511191 Greeting Card Publishers

This U.S. industry comprises establishments primarily engaged in publishing greeting cards.

The data published with NAICS code 511191 include the following SIC industry:

2771 Greeting cards (pt)

511199 All Other Publishers

This U.S. industry comprises establishments generally known as publishers (except newspaper, magazine, book, directory, database, music, and greeting card publishers). These establishments may publish works in print or electronic form.

The data published with NAICS code 511199 include the following SIC industry:

2741 Miscellaneous publishing (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 511199 include establishments primarily engaged in publishing shopping news. The NAICS definitions will be fully implemented with the 2002 Economic Census.

5112 Software Publishers

This industry comprises establishments primarily engaged in computer software publishing or publishing and reproduction. Establishments in this industry carry out operations necessary for producing and distributing computer software, such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These establishments may design, develop, and publish, or publish only.

51121 Software Publishers

This industry comprises establishments primarily engaged in computer software publishing or publishing and reproduction. Establishments in this industry carry out operations necessary for producing and distributing computer software, such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These establishments may design, develop, and publish, or publish only.

511210 Software Publishers

This industry comprises establishments primarily engaged in computer software publishing or publishing and reproduction. Establishments in this industry carry out

operations necessary for producing and distributing computer software, such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These establishments may design, develop, and publish, or publish only.

The data published with NAICS code 511210 are comprised of the following SIC industry:

7372 Software Publishers

512 Motion Picture and Sound Recording Industries

Industries in the Motion Picture and Sound Recording Industries subsector group establishments involved in the production and distribution of motion pictures and sound recordings. While producers and distributors of motion pictures and sound recordings issue works for sale as traditional publishers do, the processes are sufficiently different to warrant placing establishments engaged in these activities in a separate subsector. Production is typically a complex process that involves several distinct types of establishments that are engaged in activities, such as contracting with performers, creating the film or sound content, and providing technical postproduction services. Film distribution is often to exhibitors, such as theaters and broadcasters, rather than through the wholesale and retail distribution chain. When the product is in a mass-produced form, NAICS treats production and distribution as the major economic activity as it does in the Publishing Industries subsector, rather than as a subsidiary activity to the manufacture of such products.

This subsector does not include establishments primarily engaged in the wholesale distribution of video cassettes and sound recordings, such as compact discs and audio tapes; these establishments are included in the Wholesale Trade sector. Reproduction of video cassettes and sound recordings that is carried out separately from establishments engaged in production and distribution is treated in NAICS as a manufacturing activity.

5121 Motion Picture and Video Industries

This industry group comprises establishments primarily engaged in the production and/or distribution of motion pictures, videos, television programs, or commercials; in the exhibition of motion pictures; or in the provision of postproduction and related services.

51211 Motion Picture and Video Production

This industry comprises establishments primarily engaged in producing, or producing and distributing motion pictures, videos, television programs, or television and video commercials.

512110 Motion Picture and Video Production

This industry comprises establishments primarily engaged in producing, or producing and distributing motion pictures, videos, television programs, or television and video commercials.

The data published with NAICS code 512110 are comprised of the following SIC industry:

7812 Motion Picture and Video Tape Production

5121101 Motion Picture Production (Except for Television)

Establishments primarily engaged in the production (or production and distribution combined) of motion pictures and tapes (including videos) for exhibition other than for television.

5121102 Motion Picture and Video Production for Television

Establishments primarily engaged in the production (or production and distribution combined) of motion pictures and video tapes for television exhibition.

51212 Motion Picture and Video Distribution

This industry comprises establishments primarily engaged in acquiring distribution rights and distributing film and video productions to motion picture theaters, television networks and stations, and exhibitors.

512120 Motion Picture and Video Distribution

This industry comprises establishments primarily engaged in acquiring distribution rights and distributing film and video productions to motion picture theaters, television networks and stations, and exhibitors.

The data published with NAICS code 512120 are comprised of these parts of the following SIC industries:

7822 (pt) Motion Picture Film Exchanges

7822 (pt) Film or Tape Distribution for Television

5121201 Motion Picture Film Exchanges

Establishments primarily engaged in distributing films to exhibitors other than in the field of television. Establishments which distribute movies to airlines are classified here.

5121202 Film or Tape Distribution for Television

Establishments primarily engaged in distributing film or tape to exhibitors in the field of television.

51213 Motion Picture and Video Exhibition

This industry comprises establishments primarily engaged in operating motion picture theaters and/or exhibiting motion pictures or videos at film festivals, and so forth.

512131 Motion Picture Theaters (Except Drive-Ins)

This U.S. industry comprises establishments primarily engaged in operating motion picture theaters (except drive-ins) and/or exhibiting motion pictures or videos at film festivals, and so forth.

The data published with NAICS code 512131 are comprised of the following SIC industry:

7832 Motion Picture Theaters (Except Drive-Ins)

512132 Drive-In Motion Picture Theaters

This U.S. industry comprises establishments primarily engaged in operating drive-in motion picture theaters.

The data published with NAICS code 512132 are comprised of the following SIC industry:

7833 Drive-In Motion Picture Theaters

51219 Postproduction Services and Other Motion Picture and Video Industries

This industry comprises establishments primarily engaged in providing postproduction services and other services to the motion picture industry, including specialized motion picture or video postproduction services, such as editing, film/tape transfers, subtitling, credits, closed captioning, and computer-produced graphics, animation and special effects, as well as developing and processing motion picture film.

512191 Teleproduction and Other Postproduction Services

This U.S. industry comprises establishments primarily engaged in providing specialized motion picture or video postproduction services, such as editing, film/tape transfers, subtitling, credits, closed captioning, and animation and special effects.

The data published with NAICS code 512191 are comprised of this part of the following SIC industry:

7819 (pt) Teleproduction and Other Postproduction Services

512199 Other Motion Picture and Video Industries

This U.S. industry comprises establishments primarily engaged in providing motion picture and video services (except motion picture and video production, distribution, exhibition, and teleproduction and other postproduction services).

The data published with NAICS code 512199 are comprised of these parts of the following SIC industries:

7819 (pt) All Other Services Allied to Motion Picture Production

7829 Services Allied to Film and Video Distribution

5121991 Services Allied to Motion Picture Production

Establishments primarily engaged in providing services allied to motion picture and video production.

5121992 Services Allied to Film and Video Distribution

Establishments primarily engaged in performing allied services to motion picture distribution, such as film delivery services and film purchasing and booking agencies.

5122 Sound Recording Industries

This industry group comprises establishments primarily engaged in producing and distributing musical recordings, in publishing music, or in providing sound recording and related services.

51221 Record Production

This industry comprises establishments primarily engaged in record production (e.g., tapes, CDs). These establishments contract with artists and arrange and finance the production of original master recordings. Establishments in this industry hold the copyright to the master recording and derive most of their revenues from the sales, leasing, and licensing of master recordings. Establishments in this industry do not have their own duplication or distribution capabilities.

512210 Record Production

This industry comprises establishments primarily engaged in record production (e.g., tapes, CDs). These establishments contract with artists and arrange and finance the production of original master recordings. Establishments in this industry hold the copyright to the master recording and derive most of their revenues from the sales, leasing, and licensing of master recordings. Establishments in this industry do not have their own duplication or distribution capabilities.

The data published with NAICS code 512210 are comprised of this part of the following SIC industry:

8999 (pt) Record Production

51222 Integrated Record Production/Distribution

This industry comprises establishments primarily engaged in releasing, promoting, and distributing sound recordings. These establishments manufacture or arrange for the manufacture of recordings, such as audio tapes/cassettes and compact discs, and promote and distribute these products to wholesalers, retailers, or directly to the public. Establishments in this industry produce master recordings themselves, or obtain reproduction and distribution rights to master recordings produced by record production companies or other integrated record companies.

512220 Integrated Record Production/Distribution

This industry comprises establishments primarily engaged in releasing, promoting, and distributing sound recordings. These establishments manufacture or arrange

for the manufacture of recordings, such as audio tapes/cassettes and compact discs, and promote and distribute these products to wholesalers, retailers, or directly to the public. Establishments in this industry produce master recordings themselves, or obtain reproduction and distribution rights to master recordings produced by record production companies or other integrated record companies.

The data published with NAICS code 512220 are comprised of this part of the following SIC industry:

8999 (pt) Integrated Record Production and Distribution

51223 Music Publishers

This industry comprises establishments primarily engaged in acquiring and registering copyrights for musical compositions in accordance with law and promoting and authorizing the use of these compositions in recordings, radio, television, motion pictures, live performances, print, or other media. Establishments in this industry represent the interests of the songwriter or other owners of musical compositions to produce revenues from the use of such works, generally through licensing agreements. These establishments may own the copyright or act as administrator of the music copyrights on behalf of copyright owners.

512230 Music Publishers

This industry comprises establishments primarily engaged in acquiring and registering copyrights for musical compositions in accordance with law and promoting and authorizing the use of these compositions in recordings, radio, television, motion pictures, live performances, print, or other media. Establishments in this industry represent the interests of the songwriter or other owners of musical compositions to produce revenues from the use of such works, generally through licensing agreements. These establishments may own the copyright or act as administrator of the music copyrights on behalf of copyright owners.

The data published with NAICS code 512230 are comprised of these parts of the following SIC industries:

2731 (pt) Music Books: Publishing or Printing and Publishing

2741 (pt) Sheet Music Publishing

8999 (pt) Music Publishing (Except Sheet Music and Music Book Publishing)

5122301 Sheet Music Publishing

Establishments primarily engaged in publishing sheet music.

5122302 Music Book Publishing

Establishments primarily engaged in publishing music books.

5122309 Music Publishing (Except Sheet Music and Music Book Publishing)

Establishments primarily engaged in acquiring and registering copyrights for musical compositions in accordance with law and promoting and authorizing the use of these compositions in recordings, radio, television, motion pictures, live performances, print, or other media generally through licensing agreements. These establishments may own the copyright or act as administrators of the music copyrights on behalf of copyright owners.

51224 Sound Recording Studios

This industry comprises establishments primarily engaged in providing the facilities and technical expertise for sound recording in a studio. Establishments in this industry may provide audio production or postproduction services for producing master recordings, and may provide audio services for film, television, and video productions.

512240 Sound Recording Studios

This industry comprises establishments primarily engaged in providing the facilities and technical expertise for sound recording in a studio. Establishments in this industry may provide audio production or postproduction services for producing master recordings, and may provide audio services for film, television, and video productions.

The data published with NAICS code 512240 are comprised of this part of the following SIC industry:

7389 (pt) Sound Recording Studios

51229 Other Sound Recording Industries

This industry comprises establishments primarily engaged in providing sound recording services (except record production, distribution, music publishing, and sound recording in a studio). Establishments in this industry provide services, such as the audio recording of meetings and conferences.

512290 Other Sound Recording Industries

This industry comprises establishments primarily engaged in providing sound recording services (except record production, distribution, music publishing, and sound recording in a studio). Establishments in this industry provide services, such as the audio recording of meetings and conferences.

The data published with NAICS code 512290 are comprised of these parts of the following SIC industries:

7389 (pt) Audio Taping Services

7922 (pt) Producers of Taped Radio Programs

5122901 Audio Taping Services

Establishments primarily engaged in providing audio taping of meetings and conferences or providing services, such as recording books onto tape, maintaining stock music for the media and other commercial users, and other services allied to the sound recording industries.

5122902 Producers of Taped Radio Programs

Establishments primarily engaged in producing taped radio shows.

513 Broadcasting and Telecommunications

Industries in the Broadcasting and Telecommunications subsector include establishments providing point-to-point communications and the services related to that activity. The industry groups (Radio and Television Broadcasting, Cable Networks and Program Distribution, and Telecommunications) are based on differences in the methods of communication and in the nature of services provided. The Radio and Television Broadcasting industry group includes establishments that operate broadcasting studios and facilities for over the air or satellite delivery of radio and television programs of entertainment, news, talk, and the like. These establishments are often engaged in the production and purchase of programs and generating revenues from the sale of air time to advertisers and from donations, subsidies, and/or the sale of programs. The Cable Networks and Program Distribution industry group includes two types of establishments. Those in the Cable Networks industry operate studios and facilities for the broadcasting of programs that are typically narrowcast in nature (limited format, such as news, sports, education, and youth-oriented programming). The services of these establishments are typically sold on a subscription or fee basis. Delivery of the programs to customers is handled by other establishments, in the Cable and Other Program Distribution industry, that operate cable systems, direct-to-home satellite systems, or other similar systems. The Telecommunications industry group is primarily engaged in operating, maintaining, and/or providing access to facilities for the transmission of voice, data, text, sound, and full motion picture video between network termination points. A transmission facility may be based on a single technology or a combination of technologies. Establishments primarily engaged as independent contractors in the maintenance and installation of broadcasting and telecommunications systems are classified in Sector 23, Construction.

5131 Radio and Television Broadcasting

This industry group comprises establishments primarily engaged in operating broadcast studios and facilities for over-the-air or satellite delivery of radio and television programs. These establishments are often engaged in the

production or purchase of programs or generate revenues from the sale of air time to advertisers, from donations and subsidies, or from the sale of programs.

51311 Radio Broadcasting

This industry comprises establishments primarily engaged in broadcasting audio signals. These establishments operate radio broadcasting studios and facilities for the transmission of aural programming by radio to the public, to affiliates, or to subscribers. The radio programs may include entertainment, news, talk shows, business data, or religious services.

513111 Radio Networks

This U.S. industry comprises establishments primarily engaged in assembling and transmitting aural programming to their affiliates or subscribers via over-the-air broadcasts, cable, or satellite. The programming covers a wide variety of material, such as news services, religious programming, weather, sports, or music.

The data published with NAICS code 513111 are comprised of this part of the following SIC industry:

4832 (pt) Radio Networks

513112 Radio Stations

This U.S. industry comprises establishments primarily engaged in broadcasting aural programs by radio to the public. Programming may originate in their own studios, from an affiliated network, or from external sources.

The data published with NAICS code 513112 are comprised of this part of the following SIC industry:

4832 (pt) Radio Stations

51312 Television Broadcasting

This industry comprises establishments primarily engaged in broadcasting images together with sound. These establishments operate television broadcasting studios and facilities for the programming and transmission of programs to the public. These establishments also produce or transmit visual programming to affiliated broadcast television stations, which in turn broadcast the programs to the public on a predetermined schedule. Programming may originate in their own studios, from an affiliated network, or from external sources.

513120 Television Broadcasting

This industry comprises establishments primarily engaged in broadcasting images together with sound. These establishments operate television broadcasting studios and facilities for the programming and transmission of programs to the public. These establishments also produce or transmit visual programming to affiliated broadcast television stations, which in turn broadcast the programs to the public on a predetermined schedule. Programming may originate in their own studios, from an affiliated network, or from external sources.

The data published with NAICS code 513120 are comprised of the following SIC industry:

4833 Television Broadcasting

5132 Cable Networks and Program Distribution

This industry group comprises establishments that primarily assemble program material and transmit television programs for cable and satellite systems, or that operate these systems.

51321 Cable Networks

This industry comprises establishments primarily engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The broadcast programming is typically narrowcast in nature (e.g., limited format, such as news, sports, education, or youth-oriented). These establishments produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmission to viewers.

513210 Cable Networks

This industry comprises establishments primarily engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The broadcast programming is typically narrowcast in nature (e.g., limited format, such as news, sports, education, or youth-oriented). These establishments produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmission to viewers.

The data published with NAICS code 513210 are comprised of this part of the following SIC industry:

4841 (pt) Cable Networks

51322 Cable and Other Program Distribution

This industry comprises establishments primarily engaged as third-party distribution systems for broadcast programming. The establishments of this industry deliver visual, aural, or textual programming received from cable networks, local television stations, or radio networks to consumers via cable or direct-to-home satellite systems on a subscription or fee basis. These establishments do not generally originate programming material.

513220 Cable and Other Program Distribution

This industry comprises establishments primarily engaged as third-party distribution systems for broadcast programming. The establishments of this industry deliver visual, aural, or textual programming received from cable networks, local television stations, or radio networks to

consumers via cable or direct-to-home satellite systems on a subscription or fee basis. These establishments do not generally originate programming material.

The data published with NAICS code 513220 are comprised of this part of the following SIC industry:

4841 (pt) Cable and Other Program Distributor

5133 Telecommunications

This industry group comprises establishments primarily engaged in operating, maintaining or providing access to facilities for the transmission of voice, data, text, and full motion picture video between network termination points and telecommunications reselling. Transmission facilities may be based on a single technology or a combination of technologies.

51331 Wired Telecommunications Carriers

This industry comprises establishments engaged in (1) operating and maintaining switching and transmission facilities to provide direct communications via landlines, microwave, or a combination of landlines and satellite linkups or (2) furnishing telegraph and other nonvocal communications using their own facilities.

513310 Wired Telecommunications Carriers

This industry comprises establishments engaged in (1) operating and maintaining switching and transmission facilities to provide direct communications via landlines, microwave, or a combination of landlines and satellite linkups or (2) furnishing telegraph and other nonvocal communications using their own facilities.

The data published with NAICS code 513310 are comprised of these parts of the following SIC industries:

4813 (pt) Local and Long-Distance Telephone Service

4822 Wired Telecommunications (Except Resellers) - Telegraph Service

5133101 Wired Telecommunications Carriers - Local and Long Distance

Establishments primarily engaged in operating and maintaining switching and transmission facilities to provide direct communications via landlines, microwave, or combination of landlines and satellite linkups. Also included are establishments primarily supporting the operation, maintenance, and access to the communication system.

5133102 Wired Telecommunications Carriers - Telegraph Services

Establishments primarily engaged in furnishing telegraph carrier services and other nonvocal message communication services.

51332 Wireless Telecommunications Carriers (Except Satellite)

This industry comprises establishments primarily engaged in operating and maintaining switching and transmission facilities that provide direct communications via airwaves. Included in this industry are establishments providing wireless telecommunications network services, such as cellular telephone or paging services.

513321 Paging

This U.S. industry comprises establishments primarily engaged in operating paging networks. The establishments of this industry may also supply and maintain equipment used to receive signals.

The data published with NAICS code 513321 are comprised of this part of the following SIC industry:

4812 (pt) Paging Service

513322 Cellular and Other Wireless Telecommunications

This U.S. industry comprises establishments primarily engaged in operating cellular telecommunications and other wireless telecommunications networks (except paging).

The data published with NAICS code 513322 are comprised of these parts of the following SIC industries:

4812 (pt) Cellular Telephone Services
4812 (pt) Other Mobile Radio Services
4899 (pt) Radio Dispatch Services

5133221 Cellular Telephone Services

Establishments primarily engaged in providing wireless cellular networks using wireless cellular telephones and other telecommunications services. The establishments of this industry may also supply and maintain equipment used to receive signals in addition to providing the network.

5133222 Specialized (SMR) and Other Mobile Radio Services

Establishments primarily engaged in providing wireless telecommunications services (except cellular, paging, and radio dispatch).

5133223 Radio Dispatch Services

Establishments primarily engaged in providing radio dispatch services.

51333 Telecommunications Resellers

This industry comprises establishments primarily engaged in purchasing access and network capacity from owners and operators of the networks and reselling wired and wireless telecommunications services to businesses

and households. Establishments in this industry resell telecommunications; they do not operate and maintain telecommunications switching and transmission facilities.

513330 Telecommunications Resellers

This industry comprises establishments primarily engaged in purchasing access and network capacity from owners and operators of the networks and reselling wired and wireless telecommunications services to businesses and households. Establishments in this industry resell telecommunications; they do not operate and maintain telecommunications switching and transmission facilities.

The data published with NAICS code 513330 are comprised of these parts of the following SIC industries:

4812 (pt) Cellular and Paging Resellers
4813 (pt) Telephone Communications (Except Radiophone) Resellers

5133301 Resellers - Cellular or Other Wireless Services

Establishments primarily engaged in purchasing access and network capacity from owners and operators of networks and then reselling wireless communications services to businesses and households. These establishments do not operate or maintain a network.

5133302 Resellers - Wired Telephone Services

Establishment primarily engaged in purchasing access and network capacity from owners and operators of the networks and reselling wired telecommunication services to businesses and households. These establishments do not operate or maintain a network.

51334 Satellite Telecommunications

This industry comprises establishments primarily engaged in providing point-to-point telecommunications services to other establishments in the telecommunications and broadcasting industries by forwarding and receiving communications signals via a system of satellites or reselling satellite telecommunications.

513340 Satellite Telecommunications

This industry comprises establishments primarily engaged in providing point-to-point telecommunications services to other establishments in the telecommunications and broadcasting industries by forwarding and receiving communications signals via a system of satellites or reselling satellite telecommunications.

The data published with NAICS code 513340 are comprised of this part of the following SIC industry:

4899 (pt) Satellite Telecommunications

51339 Other Telecommunications

This industry comprises establishments primarily engaged in (1) providing specialized telecommunications applications, such as satellite tracking, communications telemetry, and radar station operations or (2) providing satellite terminal stations and associated facilities operationally connected with one or more terrestrial communications systems and capable of transmitting telecommunications to or receiving telecommunications from satellite systems.

513390 Other Telecommunications

This industry comprises establishments primarily engaged in (1) providing specialized telecommunications applications, such as satellite tracking, communications telemetry, and radar station operations or (2) providing satellite terminal stations and associated facilities operationally connected with one or more terrestrial communications systems and capable of transmitting telecommunications to or receiving telecommunications from satellite systems.

The data published with NAICS code 513390 are comprised of this part of the following SIC industry:

4899 (pt) Other Telecommunications

514 Information Services and Data Processing Services

Industries in the Information Services and Data Processing Services subsector group establishments providing information, storing information, providing access to information, and processing information. The main components of the subsector are news syndicates, libraries, archives, on-line information service providers, and data processors.

5141 Information Services

This industry group comprises establishments primarily engaged in providing information, storing information, and/or providing access to information.

51411 News Syndicates

This industry comprises establishments primarily engaged in supplying information, such as news reports, articles, pictures, and features, to the news media.

514110 News Syndicates

This industry comprises establishments primarily engaged in supplying information, such as news reports, articles, pictures, and features, to the news media.

The data published with NAICS code 514110 are comprised of the following SIC industry:

7383 News Syndicates

51412 Libraries and Archives

This industry comprises establishments primarily engaged in providing library or archive services. These establishments are engaged in maintaining collections of documents (e.g., books, journals, newspapers, and music) and facilitating the use of such documents (recorded information regardless of its physical form and characteristics) as are required to meet the informational, research, educational, or recreational needs of their user. These establishments may also acquire, research, store, preserve, and generally make accessible to the public historical documents, photographs, maps, audio material, audiovisual material, and other archival material of historical interest. All or portions of these collections may be accessible electronically.

514120 Libraries and Archives

This industry comprises establishments primarily engaged in providing library or archive services. These establishments are engaged in maintaining collections of documents (e.g., books, journals, newspapers, and music) and facilitating the use of such documents (recorded information regardless of its physical form and characteristics) as are required to meet the informational, research, educational, or recreational needs of their user. These establishments may also acquire, research, store, preserve, and generally make accessible to the public historical documents, photographs, maps, audio material, audiovisual material, and other archival material of historical interest. All or portions of these collections may be accessible electronically.

The data published with NAICS code 514120 are comprised of the following SIC industry:

8231 Libraries and Archives

51419 Other Information Services

This industry comprises establishments primarily engaged in providing information services (except news syndicates, libraries, and archives). Included in this industry are Internet service providers, on-line information access services, and telephone-based (i.e., toll call) information services. On-line information services establishments are engaged in the provision of direct access to computer-held information published by others via telecommunications networks. These establishments often provide electronic mail services, bulletin boards, browsers, and search routines.

514191 Online Information Services

This U.S. industry comprises Internet access providers, Internet service providers, and similar establishments primarily engaged in providing direct access through telecommunications networks to computer-held information compiled or published by others.

The data published with NAICS code 514191 are comprised of the following SIC industry:

7375 Online Information Services

514199 All Other Information Services

This U.S. industry comprises establishments primarily engaged in providing information services (except news syndicates, libraries, archives, and online information access). Activities performed by establishments in this industry include telephone-based information recordings and information search services on a contract basis.

The data published with NAICS code 514199 are comprised of this part of the following SIC industry:

8999 (pt) All Other Information Services, NEC

5142 Data Processing Services

This industry comprises establishments primarily engaged in providing electronic data processing services. These establishments may provide complete processing and preparation of reports from data supplied by customers; specialized services, such as automated data entry services; or may make data processing resources available to clients on an hourly or timesharing basis.

51421 Data Processing Services

This industry comprises establishments primarily engaged in providing electronic data processing services. These establishments may provide complete processing and preparation of reports from data supplied by customers; specialized services, such as automated data entry services; or may make data processing resources available to clients on an hourly or timesharing basis.

514210 Data Processing Services

This industry comprises establishments primarily engaged in providing electronic data processing services. These establishments may provide complete processing and preparation of reports from data supplied by customers; specialized services, such as automated data entry services; or may make data processing resources available to clients on an hourly or timesharing basis.

The data published with NAICS code 514210 are comprised of the following SIC industry:

7374 Data Processing Services

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

For this sector, large- and medium-size firms, plus all firms known to operate more than one establishment, were sent questionnaires to be completed and returned to the Census Bureau by mail. For most very small firms, data from existing administrative records of other Federal agencies were used instead. These records provided basic information on location, kind of business, receipts, payroll, number of employees, and legal form of organization.

Firms in the 1997 Economic Census were divided into the mail universe and nonmail universe. The coverage of and the method of obtaining census information from each are described below:

1. The mail universe consisted of firms for which information was obtained by means of a mail canvass and included:
 - a. Large employers, i.e., all multiestablishment firms, and all employer firms with payroll above a specified cutoff (The term “employers” refers to firms with one or more paid employees at any time during 1997 as shown in the active administrative records of other Federal agencies.).
 - b. A sample of small employers, i.e., single-establishment firms with payroll below a specified cutoff, in classifications for which specialized data precluded reliance solely on administrative records sources.
2. The nonmail universe consisted of firms that were not required to file a regular census return and included:
 - a. Selected small employers, i.e., single-establishment firms with payroll below a specified cutoff. Although the payroll cutoff varied by kind of business, small employers in the nonmail universe generally included firms with less than 10 employees and represented about 10 percent of total receipts of establishments covered in the census. Data on receipts, payroll, and employment for small employers in the nonmail universe were derived or estimated from administrative records of other Federal agencies.
 - b. All taxable nonemployers, i.e., all firms subject to Federal income tax with no paid employees during 1997. Receipts information for these firms was obtained from administrative records of other Federal agencies. Although consisting of many firms,

nonemployers accounted for less than 10-percent of total receipts of all establishments covered in the census. The census included only those nonemployer firms which reported a receipts volume of \$1,000 or more during 1997. Data for nonemployers are not included in this report, but are released as part of the “Core Business Statistics Series.”

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments in this sector were assigned in accordance with the 1997 North American Industry Classification System (NAICS) Manual, United States. NAICS is a common classification system developed by the United States, Canada, and Mexico. This system replaces the 1987 Standard Industrial Classification (SIC) that was used in previous censuses. Appendix A of the 1997 NAICS manual provides information on the comparability between the 1987 SIC and the 1997 NAICS. More information on NAICS is available in the NAICS manual and at www.census.gov/naics.

The method of assigning classifications, and the level of detail at which establishments were classified, differed between the mail and nonmail universe as follows:

1. The mail universe.
 - a. Establishments in the mail universe were classified on the basis of their self-designation, sources of receipts, and other industry-specific inquiries.
2. The nonmail universe.
 - a. Selected small employers were classified on the basis of the most current kind-of-business classification available from one of the Census Bureau’s current sample surveys or the 1992 Economic Census. Otherwise, the classification was obtained from administrative records of other Federal agencies. If the census or administrative record classifications proved inadequate (none corresponded to a 1997 Economic Census classification in the detail required for employers), the firm was sent a brief inquiry requesting information necessary to assign a 1997 census kind-of-business code.
 - b. Nonemployers were classified on the basis of information obtained from administrative records of other Federal agencies.

RELIABILITY OF DATA

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual

universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

Data presented in the Miscellaneous Subjects and the Sources of Receipts reports for this sector are subject to sampling errors as well as nonsampling errors. Specifically, these data are estimated based on information obtained from census questionnaires mailed to all large employers and to a sample of small employers in the universe. Sampling errors affect these estimates insofar as they may differ from results that would be obtained from a complete enumeration.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data; however, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

The Census Bureau obtains limited information extracted from administrative records of other Federal agencies. This information is used in conjunction with other information available to the Census Bureau to develop estimates for nonemployers, small employers, and other establishments for which responses were not received in time for publication.

TREATMENT OF NONRESPONSE

Census report forms included two different types of inquiries, "basic" and "industry-specific." Data for the basic inquiries, which include location, kind of business or

operation, receipts, payroll, number of employees, and legal form of organization, were available from a combination of sources for all establishments. Data for industry-specific inquiries, tailored to the particular kinds of business or operation covered by the report, were available only from the establishments in the mail universe that completed the appropriate inquiries on the questionnaire.

Data for industry-specific inquiries in this sector were expanded in most cases to account for establishments that did not respond to the particular inquiry for which data are presented. Data presented for industry-specific inquiries based on a December 31 reference date were expanded in direct relationship to total receipts of only those establishments in business at the end of the year. Unless otherwise noted in specific reports, data for other industry-specific inquiries were expanded in direct relationship to total receipts of all establishments included in the category. In a few cases expansion on the basis of the receipts item was not appropriate, and another basic data item was used as the basis for expansion of reported data to account for nonrespondents.

All reports in which data were expanded to account for nonmail employers and nonrespondents include a coverage indicator for each publication category, which shows the receipts of establishments responding to the industry-specific inquiry as a percent of total receipts for all establishments for which data are shown. For some inquiries, coverage is determined by the ratio of total payroll or employment of establishments responding to the inquiry to total payroll or employment of all establishments in the category.

Appendix D. Geographic Notes

MICHIGAN

Clare is in Clare and Isabella Counties.

Commerce township balance. The term “balance” after the township refers to the portion of a township excluding an incorporated place recognized for the 1997 Economic Census. Commerce township balance contains all of Commerce township except the incorporated place of Wolverine Lake.

Eastpointe name was changed from East Detroit in July 1992.

Grosse Pointe Shores is in Macomb and Wayne Counties.

Holland is in Allegan and Ottawa Counties.

Lake Orion. See “Orion township balance.”

Lansing is in Eaton and Ingham Counties.

Midland is in Bay and Midland Counties.

Milan is in Monroe and Washtenaw Counties.

Niles is in Berrien and Cass Counties.

Northville is in Oakland and Wayne Counties.

Orion township balance. The term “balance” after the township refers to the portion of a township excluding an incorporated place recognized for the 1997 Economic Census. Orion township balance contains all of Orion township except the incorporated place of Lake Orion.

Oxford. See “Oxford township balance.”

Oxford township balance. The term “balance” after the township refers to the portion of a township excluding an incorporated place recognized for the 1997 Economic Census. Oxford township balance contains all of Oxford township except the incorporated place of Oxford.

Romeo. See “Washington township balance.”

South Haven is in Allegan and Van Buren Counties.

Traverse City is in Grand Traverse and Leelanau Counties.

Washington township balance. The term “balance” after the township refers to the portion of a township excluding an incorporated place recognized for the 1997 Economic Census. Washington township balance contains all of Washington township except the incorporated place of Romeo.

Wolverine Lake. See “Commerce township balance.”

Appendix E. Metropolitan Areas

MICHIGAN

Ann Arbor, MI PMSA

Lenawee County, MI
Livingston County, MI
Washtenaw County, MI

Benton Harbor, MI MSA

Berrien County, MI

Detroit, MI PMSA

Lapeer County, MI
Macomb County, MI
Monroe County, MI
Oakland County, MI
St. Clair County, MI
Wayne County, MI

Detroit—Ann Arbor—Flint, MI CMSA

Ann Arbor, MI PMSA
Lenawee County, MI
Livingston County, MI
Washtenaw County, MI

Detroit, MI PMSA
Lapeer County, MI
Macomb County, MI
Monroe County, MI
Oakland County, MI
St. Clair County, MI
Wayne County, MI

Detroit—Ann Arbor—Flint, MI CMSA—Con.

Flint, MI PMSA
Genesee County, MI

Flint, MI PMSA

Genesee County, MI

Grand Rapids—Muskegon—Holland, MI MSA

Allegan County, MI
Kent County, MI
Muskegon County, MI
Ottawa County, MI

Jackson, MI MSA

Jackson County, MI

Kalamazoo—Battle Creek, MI MSA

Calhoun County, MI
Kalamazoo County, MI
Van Buren County, MI

Lansing—East Lansing, MI MSA

Clinton County, MI
Eaton County, MI
Ingham County, MI

Saginaw—Bay City—Midland, MI MSA

Bay County, MI
Midland County, MI
Saginaw County, MI

