

# Massachusetts

# 1997

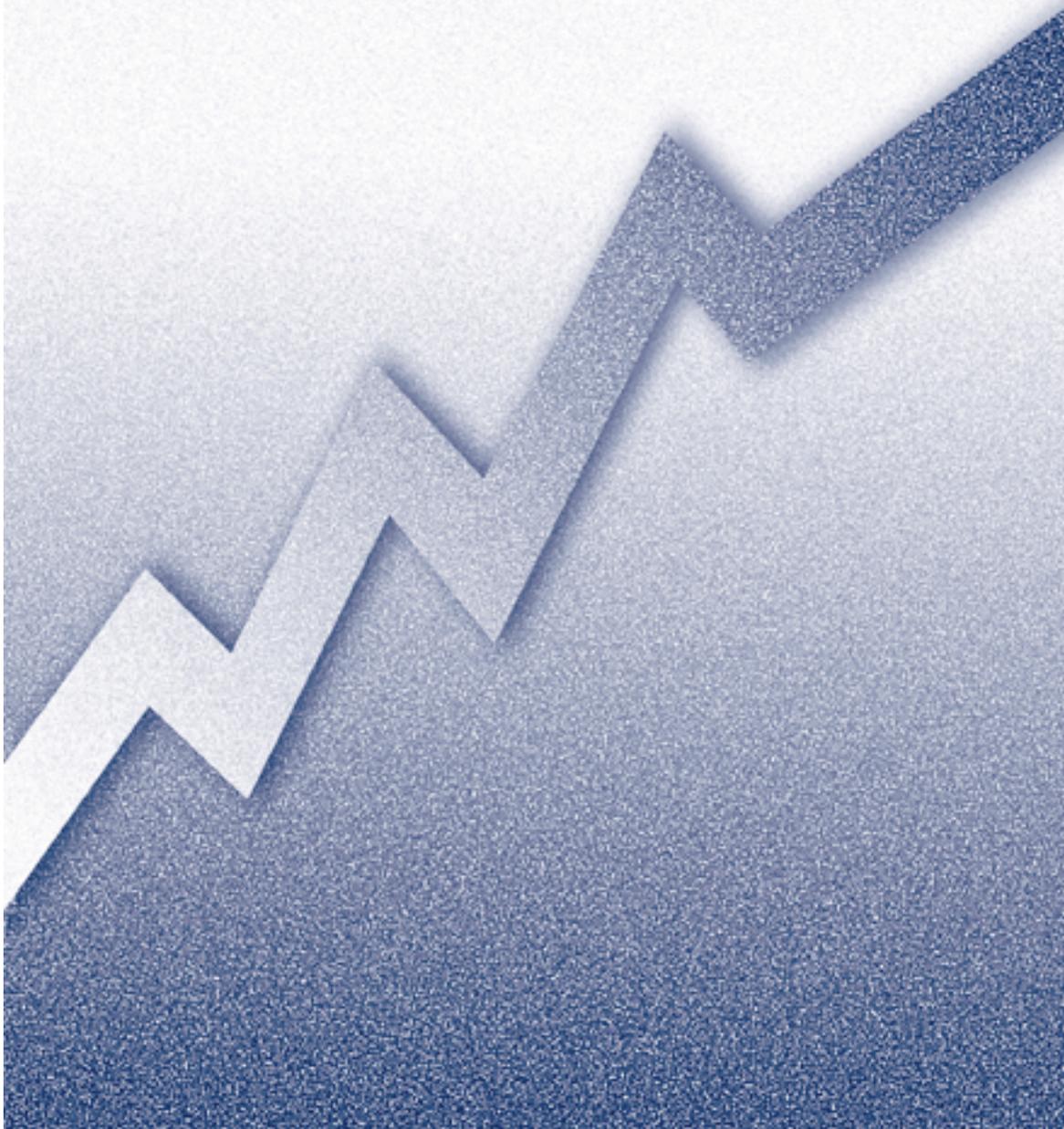
Issued October 1999

EC97S51A-MA

## 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.

---

# Massachusetts

# 1997

Issued October 1999

EC97S51A-MA

## **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 .....	12
4. Summary Statistics for Places: 1997 .....	15
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](http://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](http://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](http://www.census.gov/econ/www/history.html).

## ABBREVIATIONS AND SYMBOLS

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

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

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

# 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 <sup>1</sup>	Estimated <sup>2</sup>
<b>MASSACHUSETTS</b>								
<b>51</b>	<b>Information .....</b>	<b>3 282</b>	<b>20 548 868</b>	<b>5 395 718</b>	<b>N</b>	<b>113 698</b>	<b>2.7</b>	<b>9.2</b>
511	Publishing industries .....	1 426	10 443 080	3 060 374	N	57 901	3.8	12.1
5111	Newspaper, periodical, book, & database publishers .....	667	4 957 243	1 125 909	N	28 231	—	13.9
51111	Newspaper publishers .....	178	1 462 106	503 457	N	14 076	—	12.7
511110	Newspaper publishers .....	178	1 462 106	503 457	N	14 076	—	12.7
51112	Periodical publishers .....	261	927 251	243 086	N	5 066	—	32.9
511120	Periodical publishers .....	261	927 251	243 086	N	5 066	—	32.9
51113	Book publishers .....	115	1 354 712	265 386	N	6 267	—	7.5
511130	Book publishers .....	115	1 354 712	265 386	N	6 267	—	7.5
51114	Database & directory publishers .....	42	D	D	N	g	D	D
511140	Database & directory publishers .....	42	D	D	N	g	D	D
51119	Other publishers .....	71	D	D	N	f	D	D
511191	Greeting card publishers .....	4	D	D	N	b	D	D
511199	All other publishers .....	67	D	D	N	f	D	D
5112	Software publishers .....	759	5 485 837	1 934 465	480 424	29 670	7.3	10.5
51121	Software publishers .....	759	5 485 837	1 934 465	480 424	29 670	7.3	10.5
511210	Software publishers .....	759	5 485 837	1 934 465	480 424	29 670	7.3	10.5
512	Motion picture & sound recording industries .....	433	504 956	87 556	20 363	4 921	6.7	5.0
5121	Motion picture & video industries .....	380	478 847	80 382	18 710	4 654	6.0	2.9
51211	Motion picture & video production .....	180	129 569	35 935	8 410	1 208	14.9	7.1
512110	Motion picture & video production .....	180	129 569	35 935	8 410	1 208	14.9	7.1
5121101	Motion picture production (except for television) .....	120	81 627	23 241	5 648	712	10.6	7.1
5121102	Motion picture & video production for television .....	60	47 942	12 694	2 762	496	22.3	6.9
51212	Motion picture & video distribution .....	12	107 637	4 348	940	82	—	—
512120	Motion picture & video distribution .....	12	107 637	4 348	940	82	—	—
5121201	Motion picture film exchanges .....	10	D	D	D	b	D	D
5121202	Film or tape distribution for television .....	2	D	D	D	b	D	D
51213	Motion picture & video exhibition .....	132	197 911	24 770	6 069	2 970	4.3	1.0
512131	Motion picture theaters (except drive-ins) .....	128	D	D	D	h	D	D
512132	Drive-in motion picture theaters .....	4	D	D	D	a	D	D
51219	Post production & other motion picture & video industries .....	56	43 730	15 329	3 291	394	2.0	6.9
512191	Teleproduction & other postproduction services .....	45	39 965	14 249	3 035	345	.9	2.7
512199	Other motion picture & video industries .....	11	3 765	1 080	256	49	13.3	51.7
5122	Sound recording industries .....	53	26 109	7 174	1 653	267	19.5	42.7
51221	Record production .....	3	653	166	45	16	D	—
512210	Record production .....	3	653	166	45	16	D	—
51222	Integrated record production/distribution .....	7	4 191	619	156	23	9.8	55.6
512220	Integrated record production/distribution .....	7	4 191	619	156	23	9.8	55.6
51223	Music publishers .....	11	5 485	1 552	304	38	41.8	21.9
512230	Music publishers .....	11	5 485	1 552	304	38	41.8	21.9
51224	Sound recording studios .....	21	9 236	3 087	736	138	11.5	49.6
512240	Sound recording studios .....	21	9 236	3 087	736	138	11.5	49.6
51229	Other sound recording industries .....	11	6 544	1 750	412	52	16.0	46.3
512290	Other sound recording industries .....	11	6 544	1 750	412	52	16.0	46.3
513	Broadcasting & telecommunications .....	917	7 857 559	1 675 129	422 171	36 815	.8	2.4
5131	Radio & television broadcasting .....	147	894 519	242 554	56 539	5 091	1.2	3.6
51311	Radio broadcasting .....	111	264 172	97 236	21 854	2 261	3.3	10.7
513111	Radio networks .....	4	4 454	1 339	303	53	—	—
513112	Radio stations .....	107	259 718	95 897	21 551	2 208	3.4	10.8
51312	Television broadcasting .....	36	630 347	145 318	34 685	2 830	.4	.7
513120	Television broadcasting .....	36	630 347	145 318	34 685	2 830	.4	.7
5132	Cable networks & program distribution .....	95	1 042 183	176 716	40 239	5 222	.5	4.6
51321	Cable networks .....	18	69 320	13 700	3 472	382	.6	4.6
513210	Cable networks .....	18	69 320	13 700	3 472	382	.6	4.6
51322	Cable & other program distribution .....	77	972 863	163 016	36 767	4 840	.5	4.6
513220	Cable & other program distribution .....	77	972 863	163 016	36 767	4 840	.5	4.6
5133	Telecommunications .....	675	5 920 857	1 255 859	325 393	26 502	.7	1.8
51331	Wired telecommunications carriers .....	466	4 449 906	976 324	257 981	19 923	.1	1.5
513310	Wired telecommunications carriers .....	466	4 449 906	976 324	257 981	19 923	.1	1.5
51332	Wireless telecommunications carriers (except satellite) .....	151	1 337 913	261 506	63 936	6 118	1.8	2.6
513321	Paging .....	88	738 566	162 632	40 680	3 625	3.2	4.6
513322	Cellular & other wireless telecommunications .....	63	599 347	98 874	23 256	2 493	.2	.1
51333	Telecommunications resellers .....	34	72 496	12 088	2 332	341	11.3	10.6
513330	Telecommunications resellers .....	34	72 496	12 088	2 332	341	11.3	10.6
51334	Satellite telecommunications .....	7	50 797	2 905	674	66	1.0	—
513340	Satellite telecommunications .....	7	50 797	2 905	674	66	1.0	—
51339	Other telecommunications .....	17	9 745	3 036	470	54	52.6	—
513390	Other telecommunications .....	17	9 745	3 036	470	54	52.6	—

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 <sup>1</sup>	Estimated <sup>2</sup>
<b>MASSACHUSETTS—Con.</b>								
<b>51 Information—Con.</b>								
514	Information services & data processing services .....	506	1 743 273	572 659	139 572	14 061	3.8	23.6
5141	Information services .....	260	500 345	182 983	37 485	3 739	7.8	44.3
51411	News syndicates .....	14	37 535	9 743	2 156	284	—	24.7
514110	News syndicates .....	14	37 535	9 743	2 156	284	—	24.7
51412	Libraries & archives .....	76	28 345	13 015	2 951	622	12.3	2.3
514120	Libraries & archives .....	76	28 345	13 015	2 951	622	12.3	2.3
51419	Other information services .....	170	434 465	160 225	32 378	2 833	8.1	48.7
514191	Online information services .....	159	427 181	156 827	31 788	2 738	8.2	49.5
514199	All other information services .....	11	7 284	3 398	590	95	4.7	1.7
5142	Data processing services .....	246	1 242 928	389 676	102 087	10 322	2.2	15.2
51421	Data processing services .....	246	1 242 928	389 676	102 087	10 322	2.2	15.2
514210	Data processing services .....	246	1 242 928	389 676	102 087	10 322	2.2	15.2

<sup>1</sup>Includes receipts information obtained from administrative records of other Federal agencies.

<sup>2</sup>Includes 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 <sup>1</sup>	Estimated <sup>2</sup>
<b>BARNSTABLE—YARMOUTH, MA MSA</b>								
5112	Software publishers .....	4	D	D	D	e	D	D
51121	Software publishers .....	4	D	D	D	e	D	D
511210	Software publishers .....	4	D	D	D	e	D	D
512	Motion picture & sound recording industries .....	14	11 746	1 882	351	114	10.8	3.0
5121	Motion picture & video industries .....	11	10 352	1 571	275	99	10.5	—
51213	Motion picture & video exhibition .....	7	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	30	65 380	21 178	4 608	466	2.1	—
5131	Radio & television broadcasting .....	9	D	D	D	c	D	D
51311	Radio broadcasting .....	8	9 167	4 026	797	131	—	—
513112	Radio stations .....	8	9 167	4 026	797	131	—	—
<b>BOSTON—WORCESTER—LAWRENCE, MA—NH—ME—CT CMSA</b>								
5112	Software publishers .....	823	D	D	D	k	D	D
51121	Software publishers .....	823	D	D	D	k	D	D
511210	Software publishers .....	823	D	D	D	k	D	D
512	Motion picture & sound recording industries .....	395	D	D	D	h	D	D
5121	Motion picture & video industries .....	351	457 745	80 226	17 798	4 338	7.5	4.6
51211	Motion picture & video production .....	170	D	D	D	g	D	D
512110	Motion picture & video production .....	170	D	D	D	g	D	D
5121101	Motion picture production (except for television) .....	117	82 824	26 337	5 280	676	16.3	7.0
5121102	Motion picture & video production for television .....	53	D	D	D	e	D	D
51212	Motion picture & video distribution .....	10	D	D	D	b	D	D
512120	Motion picture & video distribution .....	10	D	D	D	b	D	D
5121201	Motion picture film exchanges .....	9	D	D	D	b	D	D
51213	Motion picture & video exhibition .....	110	176 885	22 743	5 554	2 689	5.3	5.2
512131	Motion picture theaters (except drive-ins) .....	104	175 574	22 402	5 528	2 675	5.0	5.2
51219	Post production & other motion picture & video industries .....	61	D	D	D	e	D	D
512191	Teleproduction & other postproduction services .....	50	D	D	D	e	D	D
5122	Sound recording industries .....	44	D	D	D	c	D	D
51224	Sound recording studios .....	20	D	D	D	c	D	D
512240	Sound recording studios .....	20	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	877	D	D	D	k	D	D
5131	Radio & television broadcasting .....	127	D	D	D	h	D	D
51311	Radio broadcasting .....	95	D	D	D	g	D	D
513112	Radio stations .....	32	D	D	D	g	D	D
51312	Television broadcasting .....	92	614 919	141 658	33 484	2 706	.4	.7
513120	Television broadcasting .....	32	614 919	141 658	33 484	2 706	.4	.7
5132	Cable networks & program distribution .....	81	D	D	D	i	D	D
51322	Cable & other program distribution .....	68	D	D	D	h	D	D
513220	Cable & other program distribution .....	68	D	D	D	h	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>BOSTON–WORCESTER–LAWRENCE, MA–NH–ME–CT CMSA</b>								
—Con.								
514	Information services & data processing services .....	486	D	D	D	j	D	D
5141	Information services .....	231	D	D	D	h	D	D
51411	News syndicates .....	15	D	D	D	e	D	D
514110	News syndicates .....	15	D	D	D	e	D	D
51419	Other information services .....	170	D	D	D	h	D	D
514191	Online information services .....	160	D	D	D	h	D	D
5142	Data processing services .....	255	D	D	D	j	D	D
51421	Data processing services .....	255	D	D	D	j	D	D
514210	Data processing services .....	255	D	D	D	j	D	D
<b>Boston, MA–NH PMSA</b>								
5112	Software publishers .....	615	4 674 092	1 629 274	409 358	25 211	8.4	10.0
51121	Software publishers .....	615	4 674 092	1 629 274	409 358	25 211	8.4	10.0
511210	Software publishers .....	615	4 674 092	1 629 274	409 358	25 211	8.4	10.0
512	Motion picture & sound recording industries .....	313	405 213	68 582	15 945	3 458	6.7	5.8
5121	Motion picture & video industries .....	274	384 724	62 627	14 551	3 244	6.4	3.4
51211	Motion picture & video production .....	148	108 656	29 500	6 798	1 041	15.6	8.3
512110	Motion picture & video production .....	148	108 656	29 500	6 798	1 041	15.6	8.3
5121101	Motion picture production (except for television) .....	102	69 388	18 857	4 359	572	10.5	8.4
5121102	Motion picture & video production for television .....	46	39 268	10 643	2 439	469	24.7	8.0
51212	Motion picture & video distribution .....	10	D	D	D	b	D	D
512120	Motion picture & video distribution .....	10	D	D	D	b	D	D
5121201	Motion picture film exchanges .....	9	D	D	D	b	D	D
51213	Motion picture & video exhibition .....	67	128 065	15 138	3 778	1 755	5.2	.7
512131	Motion picture theaters (except drive-ins) .....	66	D	D	D	g	D	D
51219	Post production & other motion picture & video industries .....	49	D	D	D	e	D	D
512191	Teleproduction & other postproduction services .....	38	D	D	D	e	D	D
5122	Sound recording industries .....	39	20 489	5 955	1 394	214	13.8	51.5
51224	Sound recording studios .....	18	D	D	D	c	D	D
512240	Sound recording studios .....	18	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	581	5 524 118	1 206 388	304 092	24 588	.8	2.8
5131	Radio & television broadcasting .....	79	806 322	212 130	49 122	3 904	1.0	3.1
51311	Radio broadcasting .....	55	213 879	77 008	17 109	1 399	2.8	9.8
513112	Radio stations .....	52	D	D	D	g	D	D
51312	Television broadcasting .....	24	592 443	135 122	32 013	2 505	.3	.7
513120	Television broadcasting .....	24	592 443	135 122	32 013	2 505	.3	.7
5132	Cable networks & program distribution .....	51	340 765	57 442	13 363	1 718	.6	9.6
51322	Cable & other program distribution .....	39	274 904	44 798	10 138	1 367	.7	10.8
513220	Cable & other program distribution .....	39	274 904	44 798	10 138	1 367	.7	10.8
514	Information services & data processing services .....	347	1 509 926	484 120	119 937	11 355	3.8	22.7
5141	Information services .....	167	446 245	161 531	33 382	2 853	7.1	46.2
51411	News syndicates .....	13	D	D	D	e	D	D
514110	News syndicates .....	13	D	D	D	e	D	D
51419	Other information services .....	132	D	D	D	g	D	D
514191	Online information services .....	125	392 522	144 874	29 664	2 316	7.5	50.1
5142	Data processing services .....	180	1 063 681	322 589	86 555	8 502	2.4	12.9
51421	Data processing services .....	180	1 063 681	322 589	86 555	8 502	2.4	12.9
514210	Data processing services .....	180	1 063 681	322 589	86 555	8 502	2.4	12.9
<b>Brockton, MA PMSA</b>								
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
513	Broadcasting & telecommunications .....	26	D	D	D	f	D	D
<b>Fitchburg–Leominster, MA PMSA</b>								
512	Motion picture & sound recording industries .....	4	4 706	664	157	68	3.6	—
5121	Motion picture & video industries .....	4	4 706	664	157	68	3.6	—
51213	Motion picture & video exhibition .....	4	4 706	664	157	68	3.6	—
513	Broadcasting & telecommunications .....	14	D	D	D	e	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 <sup>1</sup>	Estimated <sup>2</sup>
	<b>BOSTON–WORCESTER–LAWRENCE, MA–NH–ME–CT CMSA—Con.</b>							
	<b>Lawrence, MA–NH PMSA</b>							
5112	Software publishers .....	40	176 598	79 275	20 649	1 253	2.4	7.0
51121	Software publishers .....	40	176 598	79 275	20 649	1 253	2.4	7.0
511210	Software publishers .....	40	176 598	79 275	20 649	1 253	2.4	7.0
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 .....	3	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins) .....	3	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	61	750 097	151 218	36 028	4 268	.8	.7
5132	Cable networks & program distribution .....	16	D	D	D	h	D	D
51322	Cable & other program distribution .....	16	D	D	D	h	D	D
513220	Cable & other program distribution .....	16	D	D	D	h	D	D
514	Information services & data processing services .....	20	D	D	D	e	D	D
5141	Information services .....	9	D	D	D	b	D	D
5142	Data processing services .....	11	D	D	D	e	D	D
51421	Data processing services .....	11	D	D	D	e	D	D
514210	Data processing services .....	11	D	D	D	e	D	D
	<b>Lowell, MA–NH PMSA</b>							
5112	Software publishers .....	43	D	D	D	g	D	D
51121	Software publishers .....	43	D	D	D	g	D	D
511210	Software publishers .....	43	D	D	D	g	D	D
512	Motion picture & sound recording industries .....	6	D	D	D	c	D	D
5121	Motion picture & video industries .....	6	D	D	D	c	D	D
51213	Motion picture & video exhibition .....	3	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	26	177 954	51 422	12 941	1 162	.8	1.0
514	Information services & data processing services .....	18	D	D	D	f	D	D
5142	Data processing services .....	13	70 440	27 818	6 204	610	—	2.7
51421	Data processing services .....	13	70 440	27 818	6 204	610	—	2.7
514210	Data processing services .....	13	70 440	27 818	6 204	610	—	2.7
	<b>Manchester, NH PMSA</b>							
5112	Software publishers .....	17	28 545	13 421	3 437	231	3.5	13.3
51121	Software publishers .....	17	28 545	13 421	3 437	231	3.5	13.3
511210	Software publishers .....	17	28 545	13 421	3 437	231	3.5	13.3
512	Motion picture & sound recording industries .....	7	13 529	6 441	417	137	41.6	39.0
5121	Motion picture & video industries .....	7	13 529	6 441	417	137	41.6	39.0
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 .....	46	584 314	85 832	21 482	1 891	.1	1.8
5131	Radio & television broadcasting .....	6	D	D	D	e	D	D
51311	Radio broadcasting .....	4	D	D	D	c	D	D
513112	Radio stations .....	4	D	D	D	c	D	D
514	Information services & data processing services .....	20	12 147	5 007	1 103	134	1.6	29.1
	<b>Nashua, NH PMSA</b>							
5112	Software publishers .....	51	192 128	74 721	16 927	1 079	1.2	16.9
51121	Software publishers .....	51	192 128	74 721	16 927	1 079	1.2	16.9
511210	Software publishers .....	51	192 128	74 721	16 927	1 079	1.2	16.9
512	Motion picture & sound recording industries .....	10	6 414	1 303	284	58	1.9	1.1
5121	Motion picture & video industries .....	10	6 414	1 303	284	58	1.9	1.1
513	Broadcasting & telecommunications .....	28	82 648	21 820	5 378	426	1.3	.8
514	Information services & data processing services .....	16	17 047	5 082	933	184	3.4	76.0
5141	Information services .....	10	D	D	D	c	D	D
51419	Other information services .....	8	D	D	D	b	D	D
514191	Online information services .....	8	D	D	D	b	D	D
	<b>New Bedford, MA PMSA</b>							
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
51213	Motion picture & video exhibition .....	1	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	14	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>BOSTON–WORCESTER–LAWRENCE, MA–NH–ME–CT CMSA—Con.</b>								
<b>Portsmouth–Rochester, NH–ME PMSA</b>								
5112	Software publishers .....	19	65 194	24 962	4 406	447	1.0	.1
51121	Software publishers .....	19	65 194	24 962	4 406	447	1.0	.1
511210	Software publishers .....	19	65 194	24 962	4 406	447	1.0	.1
512	Motion picture & sound recording industries .....	18	11 466	1 684	407	200	19.6	23.5
5121	Motion picture & video industries .....	16	D	D	D	c	D	D
51213	Motion picture & video exhibition .....	10	9 039	1 193	315	183	23.4	29.5
512131	Motion picture theaters (except drive-ins) .....	9	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	27	104 430	24 688	5 862	694	2.3	6.4
5131	Radio & television broadcasting .....	9	D	D	D	c	D	D
51311	Radio broadcasting .....	7	D	D	D	c	D	D
513112	Radio stations .....	7	D	D	D	c	D	D
<b>Worcester, MA–CT PMSA</b>								
5112	Software publishers .....	30	161 052	80 849	21 244	1 393	.8	57.3
51121	Software publishers .....	30	161 052	80 849	21 244	1 393	.8	57.3
511210	Software publishers .....	30	161 052	80 849	21 244	1 393	.8	57.3
512	Motion picture & sound recording industries .....	16	11 229	1 853	453	180	4.3	—
5121	Motion picture & video industries .....	15	D	D	D	c	D	D
51213	Motion picture & video exhibition .....	12	10 096	1 527	374	159	4.6	—
512131	Motion picture theaters (except drive-ins) .....	10	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	54	290 524	66 497	17 400	1 484	.4	.1
5131	Radio & television broadcasting .....	11	D	D	D	c	D	D
51311	Radio broadcasting .....	9	D	D	D	c	D	D
513112	Radio stations .....	9	D	D	D	c	D	D
5132	Cable networks & program distribution .....	4	D	D	D	c	D	D
51322	Cable & other program distribution .....	3	D	D	D	c	D	D
513220	Cable & other program distribution .....	3	D	D	D	c	D	D
514	Information services & data processing services .....	23	43 894	13 698	3 075	785	2.3	83.1
5141	Information services .....	9	D	D	D	c	D	D
51419	Other information services .....	8	D	D	D	c	D	D
5142	Data processing services .....	14	D	D	D	f	D	D
51421	Data processing services .....	14	D	D	D	f	D	D
514210	Data processing services .....	14	D	D	D	f	D	D
<b>PITTSFIELD, MA MSA</b>								
512	Motion picture & sound recording industries .....	4	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 .....	16	D	D	D	e	D	D
514	Information services & data processing services .....	7	D	D	D	c	D	D
5142	Data processing services .....	3	D	D	D	c	D	D
51421	Data processing services .....	3	D	D	D	c	D	D
514210	Data processing services .....	3	D	D	D	c	D	D
<b>PROVIDENCE–FALL RIVER–WARWICK, RI–MA MSA</b>								
5112	Software publishers .....	40	63 215	22 579	5 428	425	6.1	15.2
51121	Software publishers .....	40	63 215	22 579	5 428	425	6.1	15.2
511210	Software publishers .....	40	63 215	22 579	5 428	425	6.1	15.2
512	Motion picture & sound recording industries .....	45	33 286	6 130	1 361	491	8.6	.6
5121	Motion picture & video industries .....	40	D	D	D	e	D	D
51213	Motion picture & video exhibition .....	23	27 997	4 782	1 092	445	5.5	.5
512131	Motion picture theaters (except drive-ins) .....	21	D	D	D	e	D	D
513	Broadcasting & telecommunications .....	132	874 725	170 412	43 397	4 320	2.6	4.0
5131	Radio & television broadcasting .....	32	D	D	D	g	D	D
51311	Radio broadcasting .....	22	D	D	D	e	D	D
513112	Radio stations .....	22	D	D	D	e	D	D
51312	Television broadcasting .....	10	92 835	32 286	7 814	706	18.8	.2
513120	Television broadcasting .....	10	92 835	32 286	7 814	706	18.8	.2
5132	Cable networks & program distribution .....	6	D	D	D	f	D	D
51322	Cable & other program distribution .....	6	D	D	D	f	D	D
513220	Cable & other program distribution .....	6	D	D	D	f	D	D
514	Information services & data processing services .....	74	245 738	74 449	19 397	2 286	.6	58.0
5141	Information services .....	38	D	D	D	c	D	D
5142	Data processing services .....	36	D	D	D	g	D	D
51421	Data processing services .....	36	D	D	D	g	D	D
514210	Data processing services .....	36	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>SPRINGFIELD, MA MSA</b>								
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 .....	28	22 354	4 759	1 124	329	6.1	.8
5121	Motion picture & video industries .....	26	D	D	D	e	D	D
51213	Motion picture & video exhibition .....	12	14 105	2 377	548	271	—	1.3
512131	Motion picture theaters (except drive-ins) .....	12	14 105	2 377	548	271	—	1.3
513	Broadcasting & telecommunications .....	56	280 301	65 394	16 667	1 534	.4	3.9
5131	Radio & television broadcasting .....	13	D	D	D	e	D	D
51311	Radio broadcasting .....	8	D	D	D	c	D	D
513112	Radio stations .....	8	D	D	D	c	D	D
514	Information services & data processing services .....	36	15 975	6 520	1 466	263	9.0	16.7
5141	Information services .....	24	D	D	D	c	D	D
<b>AREA OUTSIDE MASSACHUSETTS METROPOLITAN AREAS</b>								
512	Motion picture & sound recording industries .....	28	D	D	D	c	D	D
5121	Motion picture & video industries .....	24	D	D	D	c	D	D
51213	Motion picture & video exhibition .....	15	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins) .....	15	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	38	D	D	D	f	D	D

<sup>1</sup>Includes receipts information obtained from administrative records of other Federal agencies.

<sup>2</sup>Includes 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 <sup>1</sup>	Estimated <sup>2</sup>
<b>BARNSTABLE COUNTY, MA</b>								
5112	Software publishers .....	4	D	D	D	e	D	D
51121	Software publishers .....	4	D	D	D	e	D	D
511210	Software publishers .....	4	D	D	D	e	D	D
512	Motion picture & sound recording industries .....	22	16 089	2 820	510	176	12.1	2.2
5121	Motion picture & video industries .....	18	14 436	2 470	434	161	10.3	—
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 .....	40	94 823	28 462	6 285	620	1.5	8.9
5131	Radio & television broadcasting .....	11	D	D	D	c	D	D
51311	Radio broadcasting .....	10	D	D	D	c	D	D
513112	Radio stations .....	10	D	D	D	c	D	D
<b>BERKSHIRE COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	12	6 436	1 901	323	78	10.1	—
5121	Motion picture & video industries .....	9	D	D	D	b	D	D
51213	Motion picture & video exhibition .....	6	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	25	51 130	14 013	3 276	414	.3	11.3
514	Information services & data processing services .....	11	29 680	9 034	2 092	238	.2	54.6
5142	Data processing services .....	6	D	D	D	c	D	D
51421	Data processing services .....	6	D	D	D	c	D	D
514210	Data processing services .....	6	D	D	D	c	D	D
<b>BRISTOL COUNTY, MA</b>								
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 .....	7	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins) .....	7	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	46	D	D	D	h	D	D
5131	Radio & television broadcasting .....	10	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>DUKES COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	5	D	D	D	b	D	D
5121	Motion picture & video industries .....	4	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	4	D	D	D	b	D	D
<b>ESSEX COUNTY, MA</b>								
5112	Software publishers .....	64	202 877	89 353	23 678	1 487	3.9	3.7
51121	Software publishers .....	64	202 877	89 353	23 678	1 487	3.9	3.7
511210	Software publishers .....	64	202 877	89 353	23 678	1 487	3.9	3.7
512	Motion picture & sound recording industries .....	23	24 500	5 475	1 515	296	6.7	.2
5121	Motion picture & video industries .....	21	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 .....	96	1 013 072	226 055	57 963	5 685	.6	.4
5132	Cable networks & program distribution .....	19	D	D	D	h	D	D
51322	Cable & other program distribution .....	19	D	D	D	h	D	D
513220	Cable & other program distribution .....	19	D	D	D	h	D	D
514	Information services & data processing services .....	37	74 515	29 400	5 945	499	4.7	37.5
5141	Information services .....	18	30 299	9 150	1 548	131	8.8	81.8
51419	Other information services .....	11	D	D	D	b	D	D
514191	Online information services .....	10	28 511	8 332	1 363	87	8.6	86.9
5142	Data processing services .....	19	44 216	20 250	4 397	368	2.0	7.2
51421	Data processing services .....	19	44 216	20 250	4 397	368	2.0	7.2
514210	Data processing services .....	19	44 216	20 250	4 397	368	2.0	7.2
<b>FRANKLIN COUNTY, MA</b>								
513	Broadcasting & telecommunications .....	9	D	D	D	c	D	D
<b>HAMPDEN COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	14	14 705	3 248	768	173	3.0	.5
5121	Motion picture & video industries .....	13	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 .....	46	253 028	56 366	14 624	1 359	.3	3.6
5131	Radio & television broadcasting .....	10	D	D	D	e	D	D
51311	Radio broadcasting .....	6	D	D	D	c	D	D
513112	Radio stations .....	6	D	D	D	c	D	D
514	Information services & data processing services .....	25	12 381	5 025	1 098	196	8.9	16.8
5141	Information services .....	15	9 316	4 142	894	169	5.9	—
<b>HAMPSHIRE COUNTY, MA</b>								
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 .....	7	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	11	D	D	D	c	D	D
<b>MIDDLESEX COUNTY, MA</b>								
5112	Software publishers .....	446	3 815 031	1 480 497	357 216	21 469	4.3	10.1
51121	Software publishers .....	446	3 815 031	1 480 497	357 216	21 469	4.3	10.1
511210	Software publishers .....	446	3 815 031	1 480 497	357 216	21 469	4.3	10.1
512	Motion picture & sound recording industries .....	161	131 099	27 156	6 415	1 623	14.0	5.9
5121	Motion picture & video industries .....	144	121 624	24 853	5 858	1 542	14.3	1.4
51211	Motion picture & video production .....	86	44 745	13 752	3 193	392	25.7	2.9
512110	Motion picture & video production .....	86	44 745	13 752	3 193	392	25.7	2.9
5121101	Motion picture production (except for television) .....	60	26 272	7 656	1 661	219	17.7	4.5
5121102	Motion picture & video production for television .....	26	18 473	6 096	1 532	173	37.1	.5
51213	Motion picture & video exhibition .....	32	64 081	7 485	1 888	1 022	8.7	.3
512131	Motion picture theaters (except drive-ins) .....	32	64 081	7 485	1 888	1 022	8.7	.3
51219	Post production & other motion picture & video industries .....	21	D	D	D	c	D	D
512191	Teleproduction & other postproduction services .....	18	D	D	D	c	D	D
5122	Sound recording industries .....	17	9 475	2 303	557	81	9.8	63.7
513	Broadcasting & telecommunications .....	253	1 763 802	406 484	102 005	9 134	.7	5.2
5131	Radio & television broadcasting .....	29	55 210	21 652	5 231	512	1.1	32.0
51311	Radio broadcasting .....	23	48 753	20 379	5 027	487	1.3	30.2
513112	Radio stations .....	23	48 753	20 379	5 027	487	1.3	30.2
5132	Cable networks & program distribution .....	25	177 082	29 936	6 849	924	.7	12.7
51322	Cable & other program distribution .....	18	140 287	20 521	4 474	676	.7	15.8
513220	Cable & other program distribution .....	18	140 287	20 521	4 474	676	.7	15.8

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 <sup>1</sup>	Estimated <sup>2</sup>
<b>MIDDLESEX COUNTY, MA—Con.</b>								
514	Information services & data processing services .....	179	1 042 213	325 479	82 574	7 435	3.9	22.1
5141	Information services .....	89	295 398	93 176	20 409	1 802	5.8	55.8
51419	Other information services .....	78	D	D	D	g	D	D
514191	Online information services .....	75	282 029	88 078	19 350	1 626	5.6	58.1
5142	Data processing services .....	90	746 815	232 303	62 165	5 633	3.1	8.8
51421	Data processing services .....	90	746 815	232 303	62 165	5 633	3.1	8.8
514210	Data processing services .....	90	746 815	232 303	62 165	5 633	3.1	8.8
<b>NORFOLK COUNTY, MA</b>								
5112	Software publishers .....	69	344 691	129 319	39 654	2 529	59.1	6.1
51121	Software publishers .....	69	344 691	129 319	39 654	2 529	59.1	6.1
511210	Software publishers .....	69	344 691	129 319	39 654	2 529	59.1	6.1
512	Motion picture & sound recording industries .....	48	121 781	11 902	2 964	681	2.8	2.0
5121	Motion picture & video industries .....	44	120 537	11 318	2 824	667	2.2	2.0
51211	Motion picture & video production .....	20	23 508	4 843	1 355	225	7.4	1.6
512110	Motion picture & video production .....	20	23 508	4 843	1 355	225	7.4	1.6
5121101	Motion picture production (except for television) .....	13	20 892	4 128	1 110	179	2.5	—
51212	Motion picture & video distribution .....	1	D	D	D	a	D	D
512120	Motion picture & video distribution .....	1	D	D	D	a	D	D
51213	Motion picture & video exhibition .....	13	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins) .....	13	D	D	D	e	D	D
51219	Post production & other motion picture & video industries .....	10	D	D	D	b	D	D
512191	Teleproduction & other postproduction services .....	6	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	96	682 311	140 665	34 274	2 965	.5	1.8
5131	Radio & television broadcasting .....	11	D	D	D	e	D	D
51312	Television broadcasting .....	6	D	D	D	e	D	D
513120	Television broadcasting .....	6	D	D	D	e	D	D
514	Information services & data processing services .....	60	107 808	55 481	11 686	1 019	2.8	8.5
5141	Information services .....	23	60 349	38 821	7 319	465	3.6	6.6
51419	Other information services .....	18	D	D	D	e	D	D
514191	Online information services .....	17	58 502	38 071	7 181	443	3.5	6.8
5142	Data processing services .....	37	47 459	16 660	4 367	554	1.9	11.0
51421	Data processing services .....	37	47 459	16 660	4 367	554	1.9	11.0
514210	Data processing services .....	37	47 459	16 660	4 367	554	1.9	11.0
<b>PLYMOUTH COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	16	9 078	1 378	363	181	1.5	1.0
5121	Motion picture & video industries .....	13	9 032	1 359	362	179	1.3	.9
51213	Motion picture & video exhibition .....	8	7 574	767	280	167	1.6	—
512131	Motion picture theaters (except drive-ins) .....	8	7 574	767	280	167	1.6	—
513	Broadcasting & telecommunications .....	57	178 176	48 641	12 035	1 231	12.8	.3
514	Information services & data processing services .....	29	33 244	9 111	3 020	290	—	21.9
5142	Data processing services .....	19	30 092	7 756	2 750	237	—	18.5
51421	Data processing services .....	19	30 092	7 756	2 750	237	—	18.5
514210	Data processing services .....	19	30 092	7 756	2 750	237	—	18.5
<b>SUFFOLK COUNTY, MA</b>								
5112	Software publishers .....	79	793 403	105 758	26 851	1 749	2.4	6.3
51121	Software publishers .....	79	793 403	105 758	26 851	1 749	2.4	6.3
511210	Software publishers .....	79	793 403	105 758	26 851	1 749	2.4	6.3
512	Motion picture & sound recording industries .....	74	133 994	26 268	5 778	1 001	3.0	10.1
5121	Motion picture & video industries .....	60	125 383	23 437	5 136	885	2.8	7.2
51211	Motion picture & video production .....	32	36 696	9 861	1 939	388	8.6	19.6
512110	Motion picture & video production .....	32	36 696	9 861	1 939	388	8.6	19.6
5121101	Motion picture production (except for television) .....	21	19 983	6 251	1 391	140	12.4	22.8
5121102	Motion picture & video production for television .....	11	16 713	3 610	548	248	4.1	15.8
51213	Motion picture & video exhibition .....	9	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins) .....	9	D	D	D	e	D	D
51219	Post production & other motion picture & video industries .....	15	22 069	7 760	1 766	185	.2	8.2
512191	Teleproduction & other postproduction services .....	12	D	D	D	c	D	D
5122	Sound recording industries .....	14	8 611	2 831	642	116	7.2	51.9
51224	Sound recording studios .....	9	6 379	2 106	493	95	7.6	65.0
512240	Sound recording studios .....	9	6 379	2 106	493	95	7.6	65.0
513	Broadcasting & telecommunications .....	151	2 648 566	545 589	136 332	10 166	.3	1.7
5131	Radio & television broadcasting .....	30	D	D	D	h	D	D
51311	Radio broadcasting .....	18	D	D	D	f	D	D
513112	Radio stations .....	18	D	D	D	f	D	D
51312	Television broadcasting .....	12	417 747	104 537	24 504	2 067	—	.2
513120	Television broadcasting .....	12	417 747	104 537	24 504	2 067	—	.2
5132	Cable networks & program distribution .....	8	D	D	D	e	D	D
51322	Cable & other program distribution .....	6	D	D	D	e	D	D
513220	Cable & other program distribution .....	6	D	D	D	e	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>SUFFOLK COUNTY, MA—Con.</b>								
514	Information services & data processing services .....	72	376 092	116 989	28 225	3 151	1.8	21.4
5141	Information services .....	35	69 971	25 077	4 929	526	9.5	27.6
51411	News syndicates .....	4	25 762	4 913	1 189	125	—	26.4
514110	News syndicates .....	4	25 762	4 913	1 189	125	—	26.4
51419	Other information services .....	25	36 022	15 470	2 619	234	17.0	34.7
514191	Online information services .....	24	D	D	D	c	D	D
5142	Data processing services .....	37	306 121	91 912	23 296	2 625	—	20.0
51421	Data processing services .....	37	306 121	91 912	23 296	2 625	—	20.0
514210	Data processing services .....	37	306 121	91 912	23 296	2 625	—	20.0
<b>WORCESTER COUNTY, MA</b>								
5112	Software publishers .....	43	176 295	87 088	22 913	1 497	.8	53.0
51121	Software publishers .....	43	176 295	87 088	22 913	1 497	.8	53.0
511210	Software publishers .....	43	176 295	87 088	22 913	1 497	.8	53.0
512	Motion picture & sound recording industries .....	23	16 768	2 765	658	274	5.7	—
5121	Motion picture & video industries .....	22	D	D	D	e	D	D
51213	Motion picture & video exhibition .....	18	15 326	2 336	545	238	6.1	—
512131	Motion picture theaters (except drive-ins) .....	14	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	80	407 047	91 624	23 929	2 191	.6	.2
5131	Radio & television broadcasting .....	18	14 019	5 250	1 305	253	4.1	1.5
51311	Radio broadcasting .....	16	D	D	D	c	D	D
513112	Radio stations .....	14	D	D	D	c	D	D
5132	Cable networks & program distribution .....	8	74 831	8 902	2 212	270	—	.8
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 .....	36	48 638	15 077	3 342	858	5.9	75.0
5141	Information services .....	18	11 877	3 054	440	184	22.2	52.2
51419	Other information services .....	13	11 482	2 919	425	177	21.7	54.0
5142	Data processing services .....	18	36 761	12 023	2 902	674	.7	82.4
51421	Data processing services .....	18	36 761	12 023	2 902	674	.7	82.4
514210	Data processing services .....	18	36 761	12 023	2 902	674	.7	82.4

<sup>1</sup>Includes receipts information obtained from administrative records of other Federal agencies.

<sup>2</sup>Includes 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 <sup>1</sup>	Estimated <sup>2</sup>
<b>ACTON TOWN, MA</b>								
513	Broadcasting & telecommunications .....	5	10 201	1 848	433	31	—	—
<b>AGAWAM, MA</b>								
513	Broadcasting & telecommunications .....	2	D	D	D	c	D	D
5131	Radio & television broadcasting .....	1	D	D	D	c	D	D
<b>ANDOVER TOWN, MA</b>								
5112	Software publishers .....	8	D	D	D	f	D	D
51121	Software publishers .....	8	D	D	D	f	D	D
511210	Software publishers .....	8	D	D	D	f	D	D
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
513	Broadcasting & telecommunications .....	26	D	D	D	h	D	D
5132	Cable networks & program distribution .....	13	D	D	D	h	D	D
51322	Cable & other program distribution .....	13	D	D	D	h	D	D
513220	Cable & other program distribution .....	13	D	D	D	h	D	D
514	Information services & data processing services .....	4	D	D	D	e	D	D
5141	Information services .....	2	D	D	D	a	D	D
5142	Data processing services .....	2	D	D	D	e	D	D
51421	Data processing services .....	2	D	D	D	e	D	D
514210	Data processing services .....	2	D	D	D	e	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>ARLINGTON TOWN, MA</b>								
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
<b>BARNSTABLE, MA</b>								
5112	Software publishers .....	2	D	D	D	e	D	D
51121	Software publishers .....	2	D	D	D	e	D	D
511210	Software publishers .....	2	D	D	D	e	D	D
512	Motion picture & sound recording industries .....	3	D	D	D	a	D	D
5121	Motion picture & video industries .....	2	D	D	D	a	D	D
513	Broadcasting & telecommunications .....	14	36 693	11 504	2 424	254	—	—
<b>BEDFORD TOWN, MA</b>								
5112	Software publishers .....	15	D	D	D	g	D	D
51121	Software publishers .....	15	D	D	D	g	D	D
511210	Software publishers .....	15	D	D	D	g	D	D
514	Information services & data processing services .....	3	D	D	D	c	D	D
5141	Information services .....	2	D	D	D	c	D	D
51419	Other information services .....	2	D	D	D	c	D	D
514191	Online information services .....	2	D	D	D	c	D	D
<b>BILLERICA TOWN, MA</b>								
5112	Software publishers .....	14	62 528	44 965	5 412	317	—	1.3
51121	Software publishers .....	14	62 528	44 965	5 412	317	—	1.3
511210	Software publishers .....	14	62 528	44 965	5 412	317	—	1.3
514	Information services & data processing services .....	6	D	D	D	e	D	D
5142	Data processing services .....	6	D	D	D	e	D	D
51421	Data processing services .....	6	D	D	D	e	D	D
514210	Data processing services .....	6	D	D	D	e	D	D
<b>BOSTON, MA</b>								
5112	Software publishers .....	77	D	D	D	g	D	D
51121	Software publishers .....	77	D	D	D	g	D	D
511210	Software publishers .....	77	D	D	D	g	D	D
512	Motion picture & sound recording industries .....	73	D	D	D	f	D	D
5121	Motion picture & video industries .....	59	D	D	D	f	D	D
51211	Motion picture & video production .....	32	36 696	9 861	1 939	388	8.6	19.6
512110	Motion picture & video production .....	32	36 696	9 861	1 939	388	8.6	19.6
5121101	Motion picture production (except for television) .....	21	19 983	6 251	1 391	140	12.4	22.8
5121102	Motion picture & video production for television .....	11	16 713	3 610	548	248	4.1	15.8
51213	Motion picture & video exhibition .....	8	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins) .....	8	D	D	D	c	D	D
51219	Post production & other motion picture & video industries .....	15	22 069	7 760	1 766	185	.2	8.2
512191	Teleproduction & other postproduction services .....	12	D	D	D	c	D	D
5122	Sound recording industries .....	14	8 611	2 831	642	116	7.2	51.9
51224	Sound recording studios .....	9	6 379	2 106	493	95	7.6	65.0
512240	Sound recording studios .....	9	6 379	2 106	493	95	7.6	65.0
513	Broadcasting & telecommunications .....	145	D	D	D	j	D	D
5131	Radio & television broadcasting .....	30	D	D	D	h	D	D
51311	Radio broadcasting .....	18	D	D	D	f	D	D
513112	Radio stations .....	18	D	D	D	f	D	D
51312	Television broadcasting .....	12	417 747	104 537	24 504	2 067	—	.2
513120	Television broadcasting .....	12	417 747	104 537	24 504	2 067	—	.2
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 .....	72	376 092	116 989	28 225	3 151	1.8	21.4
5141	Information services .....	35	69 971	25 077	4 929	526	9.5	27.6
51411	News syndicates .....	4	25 762	4 913	1 189	125	—	26.4
514110	News syndicates .....	4	25 762	4 913	1 189	125	—	26.4
51419	Other information services .....	25	36 022	15 470	2 619	234	17.0	34.7
514191	Online information services .....	24	D	D	D	c	D	D
5142	Data processing services .....	37	306 121	91 912	23 296	2 625	—	20.0
51421	Data processing services .....	37	306 121	91 912	23 296	2 625	—	20.0
514210	Data processing services .....	37	306 121	91 912	23 296	2 625	—	20.0
<b>BOURNE TOWN, MA</b>								
513	Broadcasting & telecommunications .....	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>BRAINTREE TOWN, MA</b>								
512	Motion picture & sound recording industries .....	3	10 881	1 386	277	125	—	—
5121	Motion picture & video industries .....	3	10 881	1 386	277	125	—	—
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 .....	10	D	D	D	f	D	D
<b>BROCKTON, MA</b>								
513	Broadcasting & telecommunications .....	14	D	D	D	f	D	D
<b>BROOKLINE TOWN, MA</b>								
512	Motion picture & sound recording industries .....	8	8 360	2 806	567	95	5.9	12.9
5121	Motion picture & video industries .....	7	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	5	D	D	D	b	D	D
<b>BURLINGTON TOWN, MA</b>								
5112	Software publishers .....	33	209 388	84 072	23 005	1 365	.8	43.5
51121	Software publishers .....	33	209 388	84 072	23 005	1 365	.8	43.5
511210	Software publishers .....	33	209 388	84 072	23 005	1 365	.8	43.5
513	Broadcasting & telecommunications .....	15	D	D	D	g	D	D
514	Information services & data processing services .....	5	D	D	D	f	D	D
5142	Data processing services .....	3	D	D	D	f	D	D
51421	Data processing services .....	3	D	D	D	f	D	D
514210	Data processing services .....	3	D	D	D	f	D	D
<b>CAMBRIDGE, MA</b>								
5112	Software publishers .....	80	1 187 589	518 396	134 706	7 226	3.4	6.3
51121	Software publishers .....	80	1 187 589	518 396	134 706	7 226	3.4	6.3
511210	Software publishers .....	80	1 187 589	518 396	134 706	7 226	3.4	6.3
512	Motion picture & sound recording industries .....	32	25 664	4 064	1 008	352	25.1	4.5
5121	Motion picture & video industries .....	27	22 997	3 546	878	333	28.0	1.0
51213	Motion picture & video exhibition .....	10	16 349	2 032	531	241	29.6	—
512131	Motion picture theaters (except drive-ins) .....	10	16 349	2 032	531	241	29.6	—
5122	Sound recording industries .....	5	2 667	518	130	19	—	34.8
513	Broadcasting & telecommunications .....	25	151 437	24 370	6 133	502	4.0	.9
514	Information services & data processing services .....	38	183 124	44 616	9 897	792	1.5	71.8
5141	Information services .....	28	D	D	D	f	D	D
51419	Other information services .....	22	138 781	38 131	8 566	604	1.0	93.3
514191	Online information services .....	22	138 781	38 131	8 566	604	1.0	93.3
5142	Data processing services .....	10	D	D	D	b	D	D
51421	Data processing services .....	10	D	D	D	b	D	D
514210	Data processing services .....	10	D	D	D	b	D	D
<b>CHARLTON TOWN, MA</b>								
513	Broadcasting & telecommunications .....	1	D	D	D	b	D	D
<b>CHELMSFORD TOWN, MA</b>								
5112	Software publishers .....	8	D	D	D	f	D	D
51121	Software publishers .....	8	D	D	D	f	D	D
511210	Software publishers .....	8	D	D	D	f	D	D
513	Broadcasting & telecommunications .....	3	D	D	D	c	D	D
<b>CHICOPEE, MA</b>								
513	Broadcasting & telecommunications .....	2	D	D	D	b	D	D
<b>CONCORD TOWN, MA</b>								
5112	Software publishers .....	13	118 165	51 876	11 089	1 049	.6	40.2
51121	Software publishers .....	13	118 165	51 876	11 089	1 049	.6	40.2
511210	Software publishers .....	13	118 165	51 876	11 089	1 049	.6	40.2
<b>DANVERS TOWN, MA</b>								
512	Motion picture & sound recording industries .....	3	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

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 <sup>1</sup>	Estimated <sup>2</sup>
<b>DARTMOUTH TOWN, MA</b>								
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
51213	Motion picture & video exhibition .....	1	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	1	D	D	D	a	D	D
<b>DEDHAM TOWN, MA</b>								
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
51212	Motion picture & video distribution .....	1	D	D	D	a	D	D
512120	Motion picture & video distribution .....	1	D	D	D	a	D	D
51213	Motion picture & video exhibition .....	3	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins) .....	3	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	10	85 924	16 796	4 774	334	.8	2.8
5131	Radio & television broadcasting .....	1	D	D	D	c	D	D
<b>DRACUT TOWN, MA</b>								
513	Broadcasting & telecommunications .....	4	D	D	D	c	D	D
<b>EAST LONGMEADOW TOWN, MA</b>								
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
<b>FAIRHAVEN TOWN, MA</b>								
513	Broadcasting & telecommunications .....	3	D	D	D	f	D	D
<b>FALL RIVER, MA</b>								
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	e	D	D
<b>FALMOUTH TOWN, MA</b>								
512	Motion picture & sound recording industries .....	4	1 812	390	83	35	18.3	—
5121	Motion picture & video industries .....	4	1 812	390	83	35	18.3	—
<b>FOXBOROUGH TOWN, MA</b>								
513	Broadcasting & telecommunications .....	5	D	D	D	c	D	D
<b>FRAMINGHAM TOWN, MA</b>								
5112	Software publishers .....	27	93 167	37 375	6 900	458	1.2	12.2
51121	Software publishers .....	27	93 167	37 375	6 900	458	1.2	12.2
511210	Software publishers .....	27	93 167	37 375	6 900	458	1.2	12.2
512	Motion picture & sound recording industries .....	6	16 227	2 780	630	224	7.1	—
5121	Motion picture & video industries .....	6	16 227	2 780	630	224	7.1	—
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 .....	25	150 098	32 278	8 787	674	.7	10.3
514	Information services & data processing services .....	11	67 424	13 665	3 106	436	4.0	29.8
5142	Data processing services .....	7	D	D	D	e	D	D
51421	Data processing services .....	7	D	D	D	e	D	D
514210	Data processing services .....	7	D	D	D	e	D	D
<b>FRANKLIN, MA</b>								
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
<b>GARDNER, MA</b>								
513	Broadcasting & telecommunications .....	2	D	D	D	c	D	D
<b>GLOUCESTER, MA</b>								
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 <sup>1</sup>	Estimated <sup>2</sup>
<b>GREENFIELD TOWN, MA</b>								
513	Broadcasting & telecommunications .....	5	16 594	5 526	980	157	.8	5.3
<b>HAVERHILL, MA</b>								
513	Broadcasting & telecommunications .....	4	D	D	D	b	D	D
<b>HOLDEN TOWN, MA</b>								
513	Broadcasting & telecommunications .....	1	D	D	D	b	D	D
<b>HUDSON TOWN, MA</b>								
513	Broadcasting & telecommunications .....	2	D	D	D	c	D	D
<b>KINGSTON TOWN, MA</b>								
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
<b>LAWRENCE, MA</b>								
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
<b>LEOMINSTER, MA</b>								
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
<b>LEXINGTON TOWN, MA</b>								
5112	Software publishers .....	25	105 212	45 577	11 603	624	3.4	11.8
51121	Software publishers .....	25	105 212	45 577	11 603	624	3.4	11.8
511210	Software publishers .....	25	105 212	45 577	11 603	624	3.4	11.8
512	Motion picture & sound recording industries .....	10	D	D	D	b	D	D
5121	Motion picture & video industries .....	9	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	8	66 761	12 546	3 171	203	.2	26.4
<b>LOWELL, MA</b>								
5112	Software publishers .....	9	59 504	26 159	5 643	308	—	5.0
51121	Software publishers .....	9	59 504	26 159	5 643	308	—	5.0
511210	Software publishers .....	9	59 504	26 159	5 643	308	—	5.0
513	Broadcasting & telecommunications .....	11	D	D	D	f	D	D
514	Information services & data processing services .....	4	D	D	D	c	D	D
<b>LYNN, MA</b>								
513	Broadcasting & telecommunications .....	3	D	D	D	b	D	D
<b>MALDEN, MA</b>								
513	Broadcasting & telecommunications .....	3	D	D	D	f	D	D
5132	Cable networks & program distribution .....	1	D	D	D	e	D	D
51322	Cable & other program distribution .....	1	D	D	D	e	D	D
513220	Cable & other program distribution .....	1	D	D	D	e	D	D
514	Information services & data processing services .....	4	D	D	D	g	D	D
5142	Data processing services .....	2	D	D	D	g	D	D
51421	Data processing services .....	2	D	D	D	g	D	D
514210	Data processing services .....	2	D	D	D	g	D	D
<b>MANSFIELD TOWN, MA</b>								
513	Broadcasting & telecommunications .....	6	D	D	D	b	D	D
<b>MARBLEHEAD TOWN, MA</b>								
512	Motion picture & sound recording industries .....	5	D	D	D	a	D	D
5121	Motion picture & video industries .....	4	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>MARLBOROUGH, MA</b>								
5112	Software publishers .....	14	D	D	D	f	D	D
51121	Software publishers .....	14	D	D	D	f	D	D
511210	Software publishers .....	14	D	D	D	f	D	D
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 .....	16	D	D	D	f	D	D
514	Information services & data processing services .....	3	D	D	D	c	D	D
5141	Information services .....	1	D	D	D	b	D	D
51419	Other information services .....	1	D	D	D	b	D	D
<b>MARSHFIELD TOWN, MA</b>								
513	Broadcasting & telecommunications .....	4	D	D	D	c	D	D
<b>MEDFORD, MA</b>								
513	Broadcasting & telecommunications .....	10	38 070	10 339	2 789	247	—	28.9
5131	Radio & television broadcasting .....	5	D	D	D	c	D	D
51311	Radio broadcasting .....	4	D	D	D	c	D	D
513112	Radio stations .....	4	D	D	D	c	D	D
514	Information services & data processing services .....	4	D	D	D	c	D	D
5141	Information services .....	2	D	D	D	b	D	D
51419	Other information services .....	2	D	D	D	b	D	D
<b>MILFORD TOWN, MA</b>								
513	Broadcasting & telecommunications .....	5	D	D	D	b	D	D
<b>NATICK TOWN, MA</b>								
5112	Software publishers .....	8	D	D	D	f	D	D
51121	Software publishers .....	8	D	D	D	f	D	D
511210	Software publishers .....	8	D	D	D	f	D	D
512	Motion picture & sound recording industries .....	4	3 602	733	195	34	7.8	—
5121	Motion picture & video industries .....	4	3 602	733	195	34	7.8	—
51213	Motion picture & video exhibition .....	1	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	6	20 524	4 497	1 231	102	1.5	—
<b>NEEDHAM TOWN, MA</b>								
512	Motion picture & sound recording industries .....	4	4 214	2 005	624	43	—	—
5121	Motion picture & video industries .....	4	4 214	2 005	624	43	—	—
513	Broadcasting & telecommunications .....	11	153 677	27 445	6 654	448	—	1.8
5131	Radio & television broadcasting .....	1	D	D	D	e	D	D
51312	Television broadcasting .....	1	D	D	D	e	D	D
513120	Television broadcasting .....	1	D	D	D	e	D	D
<b>NEW BEDFORD, MA</b>								
513	Broadcasting & telecommunications .....	8	D	D	D	c	D	D
<b>NEWBURYPORT, MA</b>								
513	Broadcasting & telecommunications .....	4	D	D	D	b	D	D
<b>NEWTON, MA</b>								
5112	Software publishers .....	32	D	D	D	g	D	D
51121	Software publishers .....	32	D	D	D	g	D	D
511210	Software publishers .....	32	D	D	D	g	D	D
512	Motion picture & sound recording industries .....	24	11 532	2 435	539	127	22.2	1.8
5121	Motion picture & video industries .....	22	D	D	D	c	D	D
51213	Motion picture & video exhibition .....	3	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	12	47 646	17 163	4 277	417	—	.8
5131	Radio & television broadcasting .....	5	15 090	4 846	1 139	131	—	2.5
51311	Radio broadcasting .....	4	D	D	D	c	D	D
513112	Radio stations .....	4	D	D	D	c	D	D
514	Information services & data processing services .....	9	13 732	3 716	948	104	88.5	6.8
5141	Information services .....	6	D	D	D	b	D	D
51419	Other information services .....	5	D	D	D	b	D	D
<b>NORTH ANDOVER TOWN, MA</b>								
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 <sup>1</sup>	Estimated <sup>2</sup>
<b>NORTH ATTLEBOROUGH TOWN, MA</b>								
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
<b>NORWOOD TOWN, MA</b>								
5112	Software publishers .....	6	D	D	D	c	D	D
51121	Software publishers .....	6	D	D	D	c	D	D
511210	Software publishers .....	6	D	D	D	c	D	D
512	Motion picture & sound recording industries .....	5	D	D	D	c	D	D
5121	Motion picture & video industries .....	4	D	D	D	b	D	D
51211	Motion picture & video production .....	2	D	D	D	b	D	D
512110	Motion picture & video production .....	2	D	D	D	b	D	D
5121101	Motion picture production (except for television) .....	1	D	D	D	b	D	D
514	Information services & data processing services .....	5	D	D	D	e	D	D
5141	Information services .....	3	D	D	D	e	D	D
51419	Other information services .....	3	D	D	D	e	D	D
514191	Online information services .....	3	D	D	D	e	D	D
<b>PEABODY, MA</b>								
513	Broadcasting & telecommunications .....	6	43 909	2 731	826	84	.3	—
<b>PEMBROKE TOWN, MA</b>								
513	Broadcasting & telecommunications .....	4	D	D	D	c	D	D
<b>PEPPERELL TOWN, MA</b>								
513	Broadcasting & telecommunications .....	1	D	D	D	b	D	D
<b>PITTSFIELD, MA</b>								
513	Broadcasting & telecommunications .....	10	33 794	9 709	2 400	295	—	7.3
<b>PLYMOUTH TOWN, MA</b>								
513	Broadcasting & telecommunications .....	8	D	D	D	c	D	D
<b>QUINCY, MA</b>								
512	Motion picture & sound recording industries .....	4	2 096	460	99	24	34.0	—
5121	Motion picture & video industries .....	4	2 096	460	99	24	34.0	—
513	Broadcasting & telecommunications .....	9	D	D	D	e	D	D
514	Information services & data processing services .....	8	D	D	D	b	D	D
<b>RANDOLPH TOWN, MA</b>								
513	Broadcasting & telecommunications .....	5	D	D	D	b	D	D
<b>REVERE, MA</b>								
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
513	Broadcasting & telecommunications .....	3	D	D	D	b	D	D
<b>SALEM, MA</b>								
513	Broadcasting & telecommunications .....	5	D	D	D	b	D	D
<b>SAUGUS TOWN, MA</b>								
513	Broadcasting & telecommunications .....	6	D	D	D	c	D	D
<b>SEEKONK TOWN, MA</b>								
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
<b>SHREWSBURY TOWN, MA</b>								
513	Broadcasting & telecommunications .....	6	10 106	2 312	557	61	—	—

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 <sup>1</sup>	Estimated <sup>2</sup>
<b>SOMERVILLE, MA</b>								
512	Motion picture & sound recording industries .....	4	7 071	1 148	272	72	—	—
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 .....	7	D	D	D	c	D	D
514	Information services & data processing services .....	1	D	D	D	b	D	D
<b>SPRINGFIELD, MA</b>								
512	Motion picture & sound recording industries .....	4	1 963	365	61	27	—	2.6
5121	Motion picture & video industries .....	4	1 963	365	61	27	—	2.6
513	Broadcasting & telecommunications .....	23	189 030	43 675	11 635	1 003	.4	2.4
5131	Radio & television broadcasting .....	5	D	D	D	c	D	D
51311	Radio broadcasting .....	3	D	D	D	b	D	D
513112	Radio stations .....	3	D	D	D	b	D	D
514	Information services & data processing services .....	14	9 214	4 026	878	154	1.0	19.7
<b>STONEHAM TOWN, MA</b>								
513	Broadcasting & telecommunications .....	5	D	D	D	b	D	D
<b>TAUNTON, MA</b>								
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 .....	8	D	D	D	f	D	D
<b>TEWKSBURY TOWN, MA</b>								
513	Broadcasting & telecommunications .....	3	D	D	D	c	D	D
<b>WAKEFIELD TOWN, MA</b>								
513	Broadcasting & telecommunications .....	9	48 351	8 152	1 680	140	2.5	12.1
<b>WALTHAM, MA</b>								
5112	Software publishers .....	35	D	D	D	h	D	D
51121	Software publishers .....	35	D	D	D	h	D	D
511210	Software publishers .....	35	D	D	D	h	D	D
512	Motion picture & sound recording industries .....	7	6 726	1 780	427	76	—	76.0
5122	Sound recording industries .....	2	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	23	140 207	34 880	8 381	570	.7	12.7
5131	Radio & television broadcasting .....	5	18 356	10 381	2 576	155	.1	11.6
51311	Radio broadcasting .....	4	D	D	D	c	D	D
513112	Radio stations .....	4	D	D	D	c	D	D
514	Information services & data processing services .....	24	296 342	90 768	27 361	2 044	—	5.1
5141	Information services .....	11	38 568	10 209	2 616	159	—	34.9
51419	Other information services .....	11	38 568	10 209	2 616	159	—	34.9
514191	Online information services .....	11	38 568	10 209	2 616	159	—	34.9
5142	Data processing services .....	13	257 774	80 559	24 745	1 885	—	.6
51421	Data processing services .....	13	257 774	80 559	24 745	1 885	—	.6
514210	Data processing services .....	13	257 774	80 559	24 745	1 885	—	.6
<b>WAREHAM TOWN, MA</b>								
513	Broadcasting & telecommunications .....	2	D	D	D	c	D	D
<b>WATERTOWN, MA</b>								
512	Motion picture & sound recording industries .....	19	15 318	6 551	1 431	153	33.5	.4
5121	Motion picture & video industries .....	17	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	6	25 039	7 878	1 754	168	—	—
<b>WESTBOROUGH TOWN, MA</b>								
5112	Software publishers .....	14	D	D	D	g	D	D
51121	Software publishers .....	14	D	D	D	g	D	D
511210	Software publishers .....	14	D	D	D	g	D	D
513	Broadcasting & telecommunications .....	7	D	D	D	c	D	D
<b>WESTFIELD, MA</b>								
513	Broadcasting & telecommunications .....	2	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>WESTFORD TOWN, MA</b>								
5112	Software publishers .....	4	D	D	D	c	D	D
51121	Software publishers .....	4	D	D	D	c	D	D
511210	Software publishers .....	4	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	3	D	D	D	b	D	D
<b>WEST SPRINGFIELD TOWN, MA</b>								
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 .....	2	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins) .....	2	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	5	11 300	1 933	464	51	—	39.9
<b>WESTWOOD TOWN, MA</b>								
5112	Software publishers .....	2	D	D	D	g	D	D
51121	Software publishers .....	2	D	D	D	g	D	D
511210	Software publishers .....	2	D	D	D	g	D	D
513	Broadcasting & telecommunications .....	4	D	D	D	f	D	D
<b>WEYMOUTH TOWN, MA</b>								
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	D	D	D	b	D	D
<b>WILMINGTON TOWN, MA</b>								
5112	Software publishers .....	7	D	D	D	c	D	D
51121	Software publishers .....	7	D	D	D	c	D	D
511210	Software publishers .....	7	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	3	D	D	D	b	D	D
<b>WOBURN, MA</b>								
5112	Software publishers .....	25	D	D	D	f	D	D
51121	Software publishers .....	25	D	D	D	f	D	D
511210	Software publishers .....	25	D	D	D	f	D	D
512	Motion picture & sound recording industries .....	7	14 662	1 616	369	190	2.1	.2
5121	Motion picture & video industries .....	7	14 662	1 616	369	190	2.1	.2
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 .....	19	369 788	68 431	16 351	1 780	.1	.3
514	Information services & data processing services .....	8	44 529	13 247	2 863	254	19.4	—
5142	Data processing services .....	7	D	D	D	e	D	D
51421	Data processing services .....	7	D	D	D	e	D	D
514210	Data processing services .....	7	D	D	D	e	D	D
<b>WORCESTER, MA</b>								
512	Motion picture & sound recording industries .....	6	D	D	D	c	D	D
5121	Motion picture & video industries .....	6	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 .....	20	188 633	36 497	9 465	891	.2	—
5132	Cable networks & program distribution .....	3	D	D	D	c	D	D
51322	Cable & other program distribution .....	3	D	D	D	c	D	D
513220	Cable & other program distribution .....	3	D	D	D	c	D	D
514	Information services & data processing services .....	14	D	D	D	f	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
<b>YARMOUTH, MA</b>								
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 .....	8	D	D	D	c	D	D
<b>BALANCE OF BARNSTABLE COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	6	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 .....	9	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 <sup>1</sup>	Estimated <sup>2</sup>
<b>BALANCE OF BERKSHIRE COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	11	D	D	D	b	D	D
5121	Motion picture & video industries .....	8	D	D	D	b	D	D
51213	Motion picture & video exhibition .....	5	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	10	D	D	D	b	D	D
514	Information services & data processing services .....	6	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
<b>BALANCE OF BRISTOL COUNTY, MA</b>								
513	Broadcasting & telecommunications .....	3	D	D	D	b	D	D
<b>BALANCE OF ESSEX COUNTY, MA</b>								
513	Broadcasting & telecommunications .....	11	D	D	D	f	D	D
514	Information services & data processing services .....	6	D	D	D	b	D	D
5141	Information services .....	5	D	D	D	b	D	D
51419	Other information services .....	3	D	D	D	b	D	D
514191	Online information services .....	3	D	D	D	b	D	D
<b>BALANCE OF HAMPSHIRE COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	7	D	D	D	b	D	D
5121	Motion picture & video industries .....	6	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
<b>BALANCE OF MIDDLESEX COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	10	D	D	D	c	D	D
5121	Motion picture & video industries .....	8	D	D	D	c	D	D
51213	Motion picture & video exhibition .....	2	D	D	D	c	D	D
513	Broadcasting & telecommunications .....	9	D	D	D	b	D	D
514	Information services & data processing services .....	7	D	D	D	e	D	D
5141	Information services .....	3	D	D	D	c	D	D
51419	Other information services .....	3	D	D	D	c	D	D
514191	Online information services .....	3	D	D	D	c	D	D
<b>BALANCE OF PLYMOUTH COUNTY, MA</b>								
513	Broadcasting & telecommunications .....	5	D	D	D	b	D	D
514	Information services & data processing services .....	10	D	D	D	c	D	D
<b>BALANCE OF WORCESTER COUNTY, MA</b>								
513	Broadcasting & telecommunications .....	16	D	D	D	e	D	D
5131	Radio & television broadcasting .....	4	D	D	D	b	D	D
51311	Radio broadcasting .....	4	D	D	D	b	D	D
<b>BALANCE OF DUKES COUNTY, MA</b>								
512	Motion picture & sound recording industries .....	5	D	D	D	b	D	D
5121	Motion picture & video industries .....	4	D	D	D	b	D	D
513	Broadcasting & telecommunications .....	4	D	D	D	b	D	D

<sup>1</sup>Includes receipts information obtained from administrative records of other Federal agencies.

<sup>2</sup>Includes 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 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](http://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

---

## **MASSACHUSETTS**

There are no geographic notes for the state of Massachusetts.

# Appendix E. Metropolitan Areas

---

## MASSACHUSETTS

### Barnstable—Yarmouth, MA MSA

Barnstable County, MA  
Barnstable city, MA  
Dennis town, MA  
Harwich town, MA  
Sandwich town, MA  
Yarmouth town, MA

### Boston, MA—NH PMSA

Bristol County, MA (Part)  
Mansfield town, MA  
Norton town, MA  
Taunton city, MA  
Essex County, MA (Part)  
Amesbury town, MA  
Beverly city, MA  
Danvers town, MA  
Gloucester city, MA  
Ipswich town, MA  
Lynn city, MA  
Lynnfield town, MA  
Marblehead town, MA  
Newburyport city, MA  
Peabody city, MA  
Salem city, MA  
Saugus town, MA  
Swampscott town, MA  
Middlesex County, MA (Part)  
Acton town, MA  
Arlington town, MA  
Ashland town, MA  
Bedford town, MA

### Boston, MA—NH PMSA—Con.

#### Middlesex County, MA (Part)—Con.

Belmont town, MA  
Burlington town, MA  
Cambridge city, MA  
Concord town, MA  
Everett city, MA  
Framingham town, MA  
Holliston town, MA  
Hopkinton town, MA  
Hudson town, MA  
Lexington town, MA  
Malden city, MA  
Marlborough city, MA  
Maynard town, MA  
Medford city, MA  
Melrose city, MA  
Natick town, MA  
Newton city, MA  
North Reading town, MA  
Reading town, MA  
Somerville city, MA  
Stoneham town, MA  
Sudbury town, MA  
Wakefield town, MA  
Waltham city, MA  
Watertown city, MA  
Wayland town, MA  
Weston town, MA  
Wilmington town, MA  
Winchester town, MA  
Woburn city, MA

---

**Boston, MA—NH PMSA—Con.**

Norfolk County, MA (Part)  
Bellingham town, MA  
Braintree town, MA  
Brookline town, MA  
Canton town, MA  
Dedham town, MA  
Foxborough town, MA  
Franklin city, MA  
Holbrook town, MA  
Medfield town, MA  
Medway town, MA  
Milton town, MA  
Needham town, MA  
Norfolk town, MA  
Norwood town, MA  
Quincy city, MA  
Randolph town, MA  
Sharon town, MA  
Stoughton town, MA  
Walpole town, MA  
Wellesley town, MA  
Westwood town, MA  
Weymouth town, MA  
Wrentham town, MA  
Plymouth County, MA (Part)  
Carver town, MA  
Duxbury town, MA  
Hanover town, MA  
Hingham town, MA  
Hull town, MA  
Kingston town, MA  
Marshfield town, MA  
Pembroke town, MA  
Plymouth town, MA  
Rockland town, MA  
Scituate town, MA  
Wareham town, MA

**Boston, MA—NH PMSA—Con.**

Suffolk County, MA (Part)  
Boston city, MA  
Chelsea city, MA  
Revere city, MA  
Winthrop town, MA  
Worcester County, MA (Part)  
Harvard town, MA  
Milford town, MA  
Rockingham County, NH (Part)

**Boston—Worcester—Lawrence, MA—NH—ME—CT  
CMSA****Boston, MA—NH PMSA**

Bristol County, MA (Part)  
Mansfield town, MA  
Norton town, MA  
Taunton city, MA  
Essex County, MA (Part)  
Amesbury town, MA  
Beverly city, MA  
Danvers town, MA  
Gloucester city, MA  
Ipswich town, MA  
Lynn city, MA  
Lynnfield town, MA  
Marblehead town, MA  
Newburyport city, MA  
Peabody city, MA  
Salem city, MA  
Saugus town, MA  
Swampscott town, MA  
Middlesex County, MA (Part)  
Acton town, MA  
Arlington town, MA  
Ashland town, MA  
Bedford town, MA  
Belmont town, MA  
Burlington town, MA

---

**Boston—Worcester—Lawrence, MA—NH—ME—CT  
CMSA—Con.**

**Boston, MA—NH PMSA—Con.**

Middlesex County, MA (Part)—Con.

Cambridge city, MA  
Concord town, MA  
Everett city, MA  
Framingham town, MA  
Holliston town, MA  
Hopkinton town, MA  
Hudson town, MA  
Lexington town, MA  
Malden city, MA  
Marlborough city, MA  
Maynard town, MA  
Medford city, MA  
Melrose city, MA  
Natick town, MA  
Newton city, MA  
North Reading town, MA  
Reading town, MA  
Somerville city, MA  
Stoneham town, MA  
Sudbury town, MA  
Wakefield town, MA  
Waltham city, MA  
Watertown city, MA  
Wayland town, MA  
Weston town, MA  
Wilmington town, MA  
Winchester town, MA  
Woburn city, MA

Norfolk County, MA (Part)

Bellingham town, MA  
Braintree town, MA  
Brookline town, MA  
Canton town, MA  
Dedham town, MA

**Boston—Worcester—Lawrence, MA—NH—ME—CT  
CMSA—Con.**

**Boston, MA—NH PMSA—Con.**

Norfolk County, MA (Part)—Con.

Foxborough town, MA  
Franklin city, MA  
Holbrook town, MA  
Medfield town, MA  
Medway town, MA  
Milton town, MA  
Needham town, MA  
Norfolk town, MA  
Norwood town, MA  
Quincy city, MA  
Randolph town, MA  
Sharon town, MA  
Stoughton town, MA  
Walpole town, MA  
Wellesley town, MA  
Westwood town, MA  
Weymouth town, MA  
Wrentham town, MA

Plymouth County, MA (Part)

Carver town, MA  
Duxbury town, MA  
Hanover town, MA  
Hingham town, MA  
Hull town, MA  
Kingston town, MA  
Marshfield town, MA  
Pembroke town, MA  
Plymouth town, MA  
Rockland town, MA  
Scituate town, MA  
Wareham town, MA

Suffolk County, MA (Part)

Boston city, MA  
Chelsea city, MA

---

**Boston—Worcester—Lawrence, MA—NH—ME—CT  
CMSA—Con.**

**Boston, MA—NH PMSA—Con.**

Suffolk County, MA (Part)—Con.

Revere city, MA

Winthrop town, MA

Worcester County, MA (Part)

Harvard town, MA

Milford town, MA

Rockingham County, NH (Part)

**Brockton, MA PMSA**

Bristol County, MA (Part)

Easton town, MA

Raynham town, MA

Norfolk County, MA (Part)

Plymouth County, MA (Part)

Abington town, MA

Bridgewater town, MA

Brockton city, MA

East Bridgewater town, MA

Middleborough town, MA

Whitman town, MA

**Fitchburg—Leominster, MA PMSA**

Middlesex County, MA (Part)

Worcester County, MA (Part)

Fitchburg city, MA

Gardner city, MA

Leominster city, MA

**Lawrence, MA—NH PMSA**

Essex County, MA (Part)

Andover town, MA

Haverhill city, MA

Lawrence city, MA

Methuen city, MA

North Andover town, MA

Rockingham County, NH (Part)

Derry town, NH

Salem town, NH

**Boston—Worcester—Lawrence, MA—NH—ME—CT  
CMSA—Con.**

**Lowell, MA—NH PMSA**

Middlesex County, MA (Part)

Billerica town, MA

Chelmsford town, MA

Dracut town, MA

Lowell city, MA

Pepperell town, MA

Tewksbury town, MA

Westford town, MA

Hillsborough County, NH (Part)

Pelham town, NH

**Manchester, NH PMSA**

Hillsborough County, NH (Part)

Bedford town, NH

Goffstown town, NH

Manchester city, NH

Merrimack County, NH (Part)

Rockingham County, NH (Part)

Londonderry town, NH

**Nashua, NH PMSA**

Hillsborough County, NH (Part)

Hudson town, NH

Merrimack town, NH

Milford town, NH

Nashua city, NH

**New Bedford, MA PMSA**

Bristol County, MA (Part)

Dartmouth town, MA

Fairhaven town, MA

New Bedford city, MA

Plymouth County, MA (Part)

**Portsmouth—Rochester, NH—ME PMSA**

York County, ME (Part)

York town, ME

---

**Boston—Worcester—Lawrence, MA—NH—ME—CT  
CMSA—Con.**

**Portsmouth—Rochester, NH—ME PMSA—Con.**

Rockingham County, NH (Part)

Exeter town, NH

Hampton town, NH

Portsmouth city, NH

Strafford County, NH (Part)

Dover city, NH

Durham town, NH

Rochester city, NH

Somersworth city, NH

**Worcester, MA—CT PMSA**

Windham County, CT (Part)

Hampden County, MA (Part)

Worcester County, MA (Part)

Auburn town, MA

Charlton town, MA

Clinton town, MA

Grafton town, MA

Holden town, MA

Leicester town, MA

Millbury town, MA

Northborough town, MA

Northbridge town, MA

Oxford town, MA

Shrewsbury town, MA

Southbridge town, MA

Spencer town, MA

Uxbridge town, MA

Webster town, MA

Westborough town, MA

Worcester city, MA

**Brockton, MA PMSA**

Bristol County, MA (Part)

Easton town, MA

Raynham town, MA

Norfolk County, MA (Part)

**Brockton, MA PMSA—Con.**

Plymouth County, MA (Part)

Abington town, MA

Bridgewater town, MA

Brockton city, MA

East Bridgewater town, MA

Middleborough town, MA

Whitman town, MA

**Fitchburg—Leominster, MA PMSA**

Middlesex County, MA (Part)

Worcester County, MA (Part)

Fitchburg city, MA

Gardner city, MA

Leominster city, MA

**Lawrence, MA—NH PMSA**

Essex County, MA (Part)

Andover town, MA

Haverhill city, MA

Lawrence city, MA

Methuen city, MA

North Andover town, MA

Rockingham County, NH (Part)

Derry town, NH

Salem town, NH

**Lowell, MA—NH PMSA**

Middlesex County, MA (Part)

Billerica town, MA

Chelmsford town, MA

Dracut town, MA

Lowell city, MA

Pepperell town, MA

Tewksbury town, MA

Westford town, MA

Hillsborough County, NH (Part)

Pelham town, NH

---

**New Bedford, MA PMSA**

Bristol County, MA (Part)  
Dartmouth town, MA  
Fairhaven town, MA  
New Bedford city, MA  
Plymouth County, MA (Part)

**Pittsfield, MA MSA**

Berkshire County, MA (Part)  
Pittsfield city, MA

**Providence—Fall River—Warwick, RI—MA MSA**

Bristol County, MA (Part)  
Attleboro city, MA  
Fall River city, MA  
North Attleborough town, MA  
Seekonk town, MA  
Somerset town, MA  
Swansea town, MA  
Westport town, MA  
Bristol County, RI  
Barrington town, RI  
Bristol town, RI  
Warren town, RI  
Kent County, RI  
Coventry town, RI  
East Greenwich town, RI  
Warwick city, RI  
West Warwick town, RI  
Newport County, RI (Part)  
Tiverton town, RI  
Providence County, RI  
Burrillville town, RI  
Central Falls city, RI  
Cranston city, RI  
Cumberland town, RI  
East Providence city, RI  
Johnston town, RI  
Lincoln town, RI  
North Providence town, RI

**Providence—Fall River—Warwick, RI—MA MSA—Con.**

Providence County, RI—Con.  
North Smithfield town, RI  
Pawtucket city, RI  
Providence city, RI  
Scituate town, RI  
Smithfield town, RI  
Woonsocket city, RI  
Washington County, RI (Part)  
Narragansett town, RI  
North Kingstown town, RI  
South Kingstown town, RI

**Springfield, MA MSA**

Franklin County, MA (Part)  
Hampden County, MA (Part)  
Agawam city, MA  
Chicopee city, MA  
East Longmeadow town, MA  
Holyoke city, MA  
Longmeadow town, MA  
Ludlow town, MA  
Palmer town, MA  
Springfield city, MA  
Westfield city, MA  
West Springfield town, MA  
Wilbraham town, MA  
Hampshire County, MA (Part)  
Amherst town, MA  
Belchertown town, MA  
Easthampton town, MA  
Northampton city, MA  
South Hadley town, MA

**Worcester, MA—CT PMSA**

Windham County, CT (Part)  
Hampden County, MA (Part)

---

**Worcester, MA—CT PMSA—Con.**

Worcester County, MA (Part)  
Auburn town, MA  
Charlton town, MA  
Clinton town, MA  
Grafton town, MA  
Holden town, MA  
Leicester town, MA  
Millbury town, MA  
Northborough town, MA

**Worcester, MA—CT PMSA—Con.**

Northbridge town, MA  
Oxford town, MA  
Shrewsbury town, MA  
Southbridge town, MA  
Spencer town, MA  
Uxbridge town, MA  
Webster town, MA  
Westborough town, MA  
Worcester city, MA

