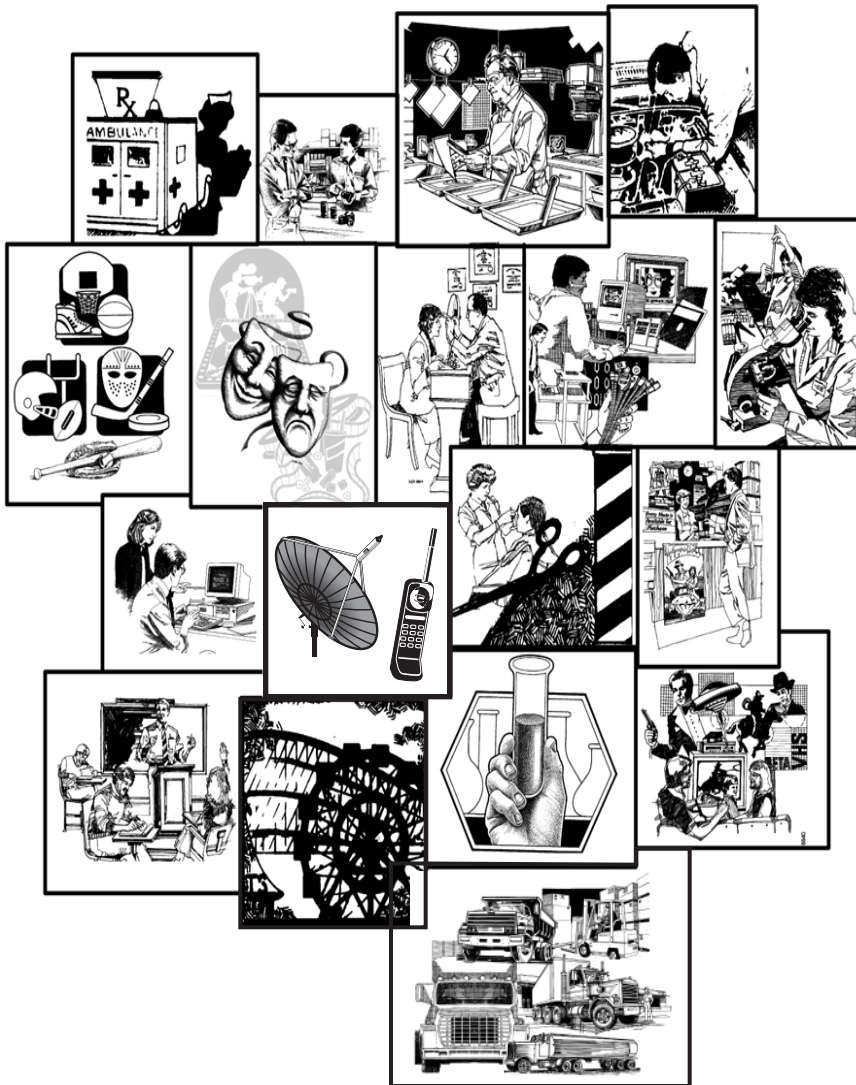


Service Annual Survey: 1999

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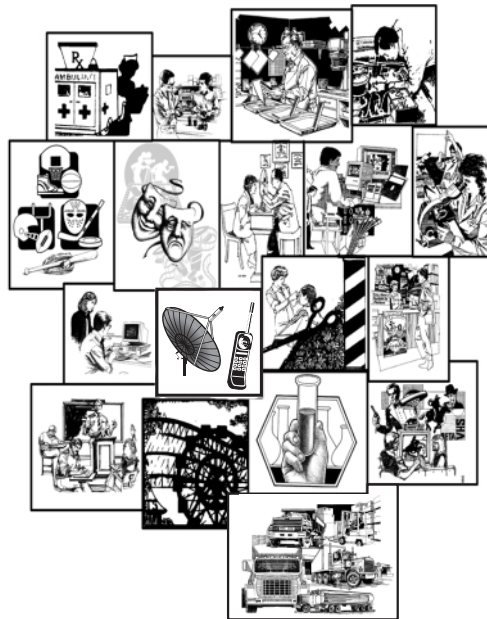
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Introduction

Coverage

This report presents results from the 1999 Service Annual Survey (SAS). The survey provides estimates of operating revenue of taxable firms and revenue and expenses of firms exempt from federal income taxes for selected service industries.

The estimates presented in this report are summarized by kind-of-business classification based on the *North American Industry Classification System* (NAICS). Data in this publication are presented for the following NAICS sectors:

NAICS sector	Title
48-49	Transportation and Warehousing
51	Information
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
56	Administrative and Support and Waste Management and Remediation Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
81	Other Services (Except Public Administration)

NAICS

NAICS is a classification system that groups establishments into industries based on the activities in which they are primarily engaged. NAICS was developed in a joint effort between statistical agencies in Canada, Mexico, and the United States. Its purpose is to provide common industry definitions that will allow for comparability in statistics about business activity across North America.

In prior years, SAS estimates were published using the Standard Industrial Classification (SIC) system. 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. It was not possible to construct time series that included data for points both before and after 1998.

The following URL contains detailed information about NAICS and provides a comparison of the SIC and NAICS systems:

www.census.gov/epcd/www/naics.html

Changes From the 1998 Publication

- We have added tables for transportation and warehousing services and information services to the 1999 SAS publication. These estimates were previously issued in separate publications (*Transportation Annual Survey* and *Annual Survey of Communication Services*).
- 1999 marks the first year that the SAS estimates are published on a NAICS basis; estimates for prior years were published based on the Standard Industrial Classification (SIC) system.
- 1999 marks the first year we are including nonemployers for owner/operators in the trucking portion of the survey (NAICS 48). In the prior years, we only included employer firms in the sample for the Transportation Annual Survey.

Dollar Values

All dollar values presented in this report are expressed in current dollars; that is, the estimates are not adjusted to a constant dollar series. Consequently, when comparing estimates to prior years, users should also consider price level changes.

Title 13, United States Code

Title 13 of the United States Code authorizes the U.S. Census Bureau to conduct censuses and surveys. Section 9 of the same Title requires that any information collected under the authority of Title 13 be maintained as confidential. In accordance with this law governing Census Bureau reports, no estimates are published that would disclose the operations of an individual firm.

Disclosure Limitation

Disclosure limitation is the process used to protect the confidentiality of the survey data by an individual firm.

Chapter 1. Selected Service Industries

Table 1.1. Selected Service Industries—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
	Total for selected service industries	4,042,213	3,716,081	8.7
484	Truck transportation	186,846	173,475	7.7
492	Couriers and messengers	49,618	46,949	5.7
493	Warehousing and storage	12,561	12,082	4.0
51	Information	775,622	695,153	11.6
511	Publishing industries	221,543	203,773	8.7
512	Motion picture and sound recording industries	65,196	60,684	7.4
513	Broadcasting and telecommunications	426,836	382,293	11.7
514	Information services and data processing services	62,047	48,404	28.2
5231	Securities and commodity contracts intermediation and brokerage ..	209,819	173,313	21.1
532	Rental and leasing services	98,930	90,072	9.8
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	825,445	749,231	10.2
56	Administrative and support and waste management and remediation services (except landscaping services)	391,767	353,766	10.7
561	Administrative and support services	344,211	310,409	10.9
562	Waste management and remediation services	47,555	43,357	9.7
62	Health care and social assistance	1,005,764	963,887	4.3
621	Ambulatory health care services	417,501	399,556	4.5
622	Hospitals	413,035	397,373	3.9
623	Nursing and residential care facilities	102,301	100,137	2.2
624	Social assistance	72,928	66,821	9.1
71	Arts, entertainment, and recreation	131,174	124,141	5.7
711	Performing arts, spectator sports, and related industries	52,157	50,413	3.5
712	Museums, historical sites, and similar institutions	7,668	7,222	6.2
713	Amusement, gambling, and recreation industries	71,349	66,505	7.3
81	Other services (except public administration, religious, labor, and political organizations, and private households)	354,667	334,012	6.2
811	Repair and maintenance	139,926	133,800	4.6
812	Personal and laundry services	95,114	88,511	7.5
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	119,627	111,702	7.1

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-1.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 1.2. Selected Service Industries Revenue¹—Total and E-Commerce: 1999

(Dollar volume estimates are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and except where indicated, reflect coverage in the Service Annual Survey.

NAICS code	Description	Value of revenue		E-commerce as percent of total revenue percent	Percent distribution of e-commerce
		Total	E-commerce revenue		
	Total for selected service industries	4,276,088	25,158	0.6	100.0
	Selected transportation and warehousing ²	221,728	3,019	1.4	12.0
484	Truck transportation	162,083	697	0.4	2.8
492	Couriers and messengers	47,355	2,266	4.8	9.0
493	Warehousing and storage	12,291	(S)	(S)	(S)
	Information	768,292	5,221	0.7	20.8
51	Publishing industries	219,804	3,069	1.4	12.2
51419	Online information services	20,146	1,027	5.1	4.1
	Selected finance ³	295,302	3,996	1.4	15.9
5231	Securities and commodity contracts intermediation and brokerage	203,744	3,831	1.9	15.2
532	Rental and leasing services	93,156	(S)	(S)	(S)
	Selected professional, scientific, and technical services ⁴	732,304	4,127	0.6	16.4
5415	Computer systems design and related services	154,414	2,869	1.9	11.4
	Selected administrative and support and waste management and remediation services ⁵	373,956	6,990	1.9	27.8
5615	Travel arrangement and reservation services	24,996	5,267	21.1	20.9
62	Health care and social assistance services	970,786	(S)	(S)	(S)
71	Arts, entertainment, and recreation services	115,366	(S)	(S)	(S)
72	Accommodation and food services	400,981	(S)	(S)	(S)
	Selected other services ⁶	304,217	364	0.1	1.4
811	Repair and maintenance	119,480	115	0.1	0.5
813	Religious, grantmaking, civic, professional, and similar organizations	119,627	123	0.1	0.5

S Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit www.census.gov/estats.

¹Includes data only for businesses with paid employees, except for accommodation and food services, which also includes businesses with and without paid employees.

²Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

³Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

⁴Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

⁵Excludes NAICS 56173 (landscaping services).

⁶Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-1.2 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Source: U.S. Census Bureau, 1999 Service Annual Survey.

Table 1.3. Selected Service Industries Revenue¹—Total and E-commerce: 1998

[Dollar volume estimates are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and except where indicated, reflect coverage in the Service Annual Survey.

NAICS code	Description	Value of revenue		E-commerce as percent of total revenue	Percent distribution of e-commerce revenue
		Total	E-commerce		
	Total for selected service industries	3,941,491	15,316	0.4	100.0
	Selected transportation and warehousing ²	207,535	2,506	1.2	16.4
484	Truck transportation	150,816	607	0.4	4.0
492	Couriers and messengers	44,890	1,846	4.1	12.1
493	Warehousing and storage	11,829	(S)	(S)	(S)
	Information	688,917	2,577	0.4	16.8
511	Publishing industries	202,206	1,544	0.8	10.1
51419	Online information services	11,866	431	3.6	2.8
	Selected finance ³	245,736	2,259	0.9	14.7
5231	Securities and commodity contracts intermediation and brokerage	168,188	2,145	1.3	14.0
532	Rental and leasing services	85,002	(S)	(S)	(S)
	Selected professional, scientific, and technical services ⁴	666,857	2,488	0.4	16.2
5415	Computer systems design and related services	131,481	1,644	1.3	10.7
	Selected administrative and support and waste management and remediation services ⁵	337,806	4,814	1.4	31.4
5615	Travel arrangement and reservation services	23,092	4,197	18.2	27.4
62	Health care and social assistance services	931,520	(S)	(S)	(S)
71	Arts, entertainment, and recreation services	108,644	(S)	(S)	(S)
72	Accommodation and food services	381,126	(S)	(S)	(S)
	Selected other services ⁶	288,348	178	0.1	1.2
811	Repair and maintenance	114,753	107	0.1	0.7
813	Religious, grantmaking, civic, professional, and similar organizations	111,702	62	0.1	0.4

S Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit www.census.gov/estats.

¹Includes data only for businesses with paid employees, except for accommodation and foodservices, which also includes businesses with and without paid employees.

²Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

³Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

⁴Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

⁵Excludes NAICS 56173 (landscaping services).

⁶Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-1.3 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Source: U.S. Census Bureau, 1998 Service Annual Survey.

Chapter 2. Transportation and Warehousing

Table 2.1. Truck Transportation (NAICS 484), Couriers and Messengers (NAICS 492), and Warehousing and Storage (NAICS 493)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
48, 49 (pt.)	Selected transportation industries ¹	249,025	232,506	7.1
484	Truck transportation	186,846	173,475	7.7
4841	General freight trucking	123,564	114,325	8.1
48411	General freight trucking, local	20,912	19,960	4.8
48412	General freight trucking, long-distance	102,651	94,365	8.8
4842	Specialized freight trucking	63,282	59,150	7.0
492	Couriers and messengers	49,618	46,949	5.7
4921	Couriers	44,066	41,858	5.3
4922	Local messengers and local delivery	5,552	5,092	9.0
493	Warehousing and storage	12,561	12,082	4.0

¹Excludes NAICS 481 (air transportation), NAICS 483 (water transportation), NAICS 485 (transit and ground passenger transportation), NAICS 486 (pipeline transportation), NAICS 487 (scenic and sightseeing transportation), NAICS 488 (support activities for transportation), and NAICS 491 (postal service).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-2.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 2.2. Truck Transportation (NAICS 484), Couriers and Messengers (NAICS 492), and Warehousing and Storage (NAICS 493)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
48, 49 (pt.)	Selected transportation industries ¹	221,729	207,535	6.8
484	Truck transportation	162,083	150,816	7.5
4841	General freight trucking	101,817	94,419	7.8
48411	General freight trucking, local	14,273	13,717	4.1
48412	General freight trucking, long-distance	87,544	80,702	8.5
484121	General freight trucking, long-distance, truckload	57,851	53,085	9.0
484122	General freight trucking, long-distance, less than truckload ...	29,693	27,617	7.5
4842	Specialized freight trucking	60,266	56,396	6.9
48421	Used household and office goods moving	14,931	13,063	14.3
48422	Specialized freight (except used goods) trucking, local	24,088	22,314	8.0
48423	Specialized freight (except used goods) trucking, long-distance .	21,247	21,019	1.1
492	Couriers and messengers	47,355	44,890	5.5
4921	Couriers	43,157	41,002	5.3
4922	Local messengers and local delivery	4,198	3,887	8.0
493	Warehousing and storage	12,291	11,829	3.9
4931	Warehousing and storage	12,291	11,829	3.9
49311	General warehousing and storage	6,592	6,230	5.8
49312	Refrigerated warehousing and storage	2,400	2,344	2.4
49313	Farm product warehousing and storage	642	614	4.6
49319	Other warehousing and storage	2,656	2,641	0.6

¹Excludes NAICS 481 (air transportation), NAICS 483 (water transportation), NAICS 485 (transit and ground passenger transportation), NAICS 486 (pipeline transportation), NAICS 487 (scenic and sightseeing transportation), NAICS 488 (support activities for transportation), and NAICS 491 (postal service).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-2.2 provides estimated measures of sampling variability (coefficients of variation).

Table 2.3. Truck Transportation (NAICS 484)—Estimated Revenue and Cost of Purchased Transportation for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	162,083	150,816	7.5
Motor carrier	152,158	142,148	7.0
Local trucking	49,164	44,871	9.6
Long-distance trucking	102,994	97,277	5.9
Other operating revenue (truck transportation)	9,925	8,667	14.5
Cost of purchased transportation	31,427	28,775	9.2

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-2.3 provides estimated measures of sampling variability (coefficients of variation).

Table 2.4. Truck Transportation (NAICS 484)—Estimated Revenue by Size of Shipments, Commodities Handled, and Origin and Destination of Shipments for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
Total motor carrier revenue	152,158	142,148	7.0
SIZE OF SHIPMENTS			
Less-than-truckload	44,526	40,568	9.8
Truckload	107,632	101,580	6.0
COMMODITIES HANDLED			
Agricultural and fish products	12,232	12,101	1.1
Grains, alcohol, and tobacco products	5,441	5,025	8.3
Stone, nonmetallic minerals, and metallic ores	9,502	9,026	5.3
Coal and petroleum products	5,530	5,443	1.6
Pharmaceutical and chemical products	8,794	8,434	4.3
Wood products, textiles, and leathers	14,804	14,412	2.7
Base metal and machinery	11,674	11,465	1.8
Electronic, motorized vehicles, and precision instruments	9,010	7,889	14.2
Used household and office goods	9,878	9,098	8.6
New furniture and miscellaneous manufactured products	15,189	13,625	11.5
Other goods	50,104	45,632	9.8
Hazardous materials	9,535	9,688	-1.6
ORIGIN AND DESTINATION OF SHIPMENTS			
U.S. to U.S.	146,476	137,191	6.8
U.S. to Canada	1,791	1,597	12.1
U.S. to Mexico	1,218	827	47.2
Canada to U.S.	1,180	1,137	3.8
Mexico to U.S.	881	723	21.9
All other destinations	612	674	-9.1

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-2.4 provides estimated measures of sampling variability (coefficients of variation).

Table 2.5. Truck Transportation (NAICS 484)—Estimated Inventories of Revenue Generating Equipment by Type of Carrier for Employer Firms: 1998 and 1999

[Units are in thousands. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Equipment	All carriers		
	Total	Owned	Leased
TRUCKS			
Units (Thousands)			
1999	204	168	37
1998	190	157	34
Percent change			
1999/1998	7.4	7.0	8.8
TRUCK-TRACTORS			
Units (Thousands)			
1999	900	763	137
1998	867	741	127
Percent change			
1999/1998	3.8	3.0	7.9
TRAILERS			
Units (Thousands)			
1999	1,857	1,550	307
1998	1,796	1,502	293
Percent change			
1999/1998	3.4	3.2	4.8

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-2.5 provides estimated measures of sampling variability (coefficients of variation).

Table 2.6. Truck Transportation (NAICS 484)—Estimated Number of Truck Miles Traveled by Employer Firms: 1998 and 1999

[Units are in millions. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
Total distance traveled in highway miles	84,729	79,148	7.1
Miles traveled by loaded or partially loaded vehicles	67,811	63,117	7.4
Miles traveled by empty vehicles	16,917	16,031	5.5

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-2.6 provides estimated measures of sampling variability (coefficients of variation).

Chapter 3. Information Sector Services

Table 3.0.1. Information Sector Services (NAICS 51)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
51	Information	775,622	695,153	11.6
511	Publishing industries	221,543	203,773	8.7
5111	Newspaper, periodical, book, database, and other publishers ¹	140,064	131,228	6.7
51111	Newspaper publishers	48,594	45,691	6.4
51112	Periodical publishers	39,279	36,865	6.5
51113	Book publishers	24,373	22,706	7.3
51114	Database and directory publishers	15,523	14,321	8.4
51119	Other publishers	12,295	11,645	5.6
511191	Greeting card publishers	5,813	5,938	-2.1
511199	All other publishers	6,482	5,706	13.6
5112	Software publishers	81,478	72,546	12.3
512	Motion picture and sound recording industries	65,196	60,684	7.4
5121	Motion picture and video	52,920	49,558	6.8
5121x	Motion picture and video production and distribution ²	38,503	36,231	6.3
51213	Motion picture and video exhibition	9,200	8,372	9.9
51219	Postproduction services and other motion picture and video industries	5,217	4,955	5.3
512191	Teleproduction and other postproduction services	4,118	3,949	4.3
512199	Other motion picture and video industries	1,099	1,006	9.3
5122	Sound recording ¹	12,275	11,126	10.3
51221	Record production	221	231	-4.5
51222	Integrated record production/distribution	9,176	8,317	10.3
51223	Music publishers	1,708	1,565	9.2
51224	Sound recording studios	652	599	8.9
51229	Other sound recording industries	518	414	25.1
513	Broadcasting and telecommunications	426,836	382,293	11.7
5131	Radio and television broadcasting	47,630	44,092	8.0
51311	Radio broadcasting	13,236	11,765	12.5
513111	Radio networks	1,441	1,268	13.6
513112	Radio stations	11,795	10,497	12.4
51312	Television broadcasting	34,394	32,327	6.4
5132	Cable networks and program distribution ¹	59,951	52,320	14.6
51321	Cable networks	17,680	15,010	17.8
51322	Cable and other program distribution	42,271	37,311	13.3
5133	Telecommunications	319,255	285,880	11.7
51331	Wired telecommunications carriers	247,836	228,151	8.6
51332	Wireless telecommunications carriers (except satellite) ¹	53,822	42,637	26.2
513321	Paging	7,761	7,283	6.6
513322	Cellular and other wireless telecommunications	46,061	35,353	30.3
51333	Telecommunications resellers	8,568	7,139	20.0
51334	Satellite telecommunications	7,081	6,271	12.9
51339	Other telecommunications	1,949	1,683	15.8
514	Information services and data processing services	62,047	48,404	28.2
5141	Information services	24,136	15,151	59.3
51411	News syndicates	1,883	1,638	14.9
51412	Libraries and archives	1,106	1,037	6.6
51419	Other information services	21,148	12,476	69.5
514191	On-line information services	18,932	11,446	65.4
514199	All other information services ¹	2,216	1,030	115.2
5142	Data processing services	37,911	33,252	14.0

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

²Includes NAICS 51211 (motion picture and video production) and NAICS 51212 (motion picture and video distribution).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.0.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 3.0.2. Information Sector Services (NAICS 51)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
51	Information	768,292	688,917	11.5
511	Publishing industries	219,804	202,206	8.7
5111	Newspaper, periodical, book, database, and other publishers ¹	138,846	130,109	6.7
51111	Newspaper publishers	48,414	45,521	6.4
51112	Periodical publishers	38,826	36,443	6.5
51113	Book publishers	24,129	22,480	7.3
51114	Database and directory publishers	15,433	14,239	8.4
51119	Other publishers	12,044	11,425	5.4
511191	Greeting card publishers	5,806	5,931	-2.1
511199	All other publishers	6,238	5,494	13.5
5112	Software publishers	80,959	72,098	12.3
512	Motion picture and sound recording industries	63,196	58,850	7.4
5121	Motion picture and video	51,227	48,002	6.7
5121x	Motion picture and video production and distribution ²	37,097	34,943	6.2
51213	Motion picture and video exhibition	9,142	8,320	9.9
51219	Postproduction services and other motion picture and video industries	4,987	4,739	5.2
512191	Teleproduction and other postproduction services	3,913	3,756	4.2
512199	Other motion picture and video industries	1,074	983	9.3
5122	Sound recording ¹	11,969	10,848	10.3
51221	Record production	186	193	-3.9
51222	Integrated record production/distribution	9,120	8,266	10.3
51223	Music publishers	1,627	1,491	9.1
51224	Sound recording studios	557	513	8.7
51229	Other sound recording industries	480	385	24.7
513	Broadcasting and telecommunications	425,163	380,867	11.6
5131	Radio and television broadcasting	47,292	43,791	8.0
51311	Radio broadcasting	13,030	11,587	12.4
513111	Radio networks	1,423	1,252	13.6
513112	Radio stations	11,607	10,335	12.3
51312	Television broadcasting	34,262	32,203	6.4
5132	Cable networks and program distribution ¹	59,774	52,160	14.6
51321	Cable networks	17,650	14,984	17.8
51322	Cable and other program distribution	42,124	37,176	13.3
5133	Telecommunications	318,097	284,916	11.6
51331	Wired telecommunications carriers	247,532	227,868	8.6
51332	Wireless telecommunications carriers (except satellite) ¹	53,485	42,363	26.3
513321	Paging	7,613	7,152	6.4
513322	Cellular and other wireless telecommunications	45,872	35,211	30.3
51333	Telecommunications resellers	8,320	6,950	19.7
51334	Satellite telecommunications	6,939	6,144	12.9
51339	Other telecommunications	1,821	1,591	14.4
514	Information services and data processing services	60,130	46,994	28.0
5141	Information services	22,986	14,407	59.6
51411	News syndicates	1,823	1,586	14.9
51412	Libraries and archives	1,018	954	6.7
51419	Other information services	20,146	11,866	69.8
514191	Online information services	18,025	10,882	65.6
514199	All other information services ¹	2,120	985	115.3
5142	Data processing services	37,143	32,588	14.0

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

²Includes NAICS 51211 (motion picture and video production) and NAICS 51212 (motion picture and video distribution).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.0.2 provides estimated measures of sampling variability (coefficients of variation).

Table 3.0.3. Information Sector Services (NAICS 51)—Estimated Export Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
51	Information	30,688	26,954	13.9
511	Publishing industries	14,102	12,036	17.2
5111	Newspaper, periodical, book, database, and other publishers ¹	2,919	2,768	5.5
5112	Software publishers	11,183	9,268	20.7
512	Motion picture and sound recording industries	8,602	8,224	4.6
5121	Motion picture and video	8,383	8,019	4.5
5122	Sound recording ¹	219	206	6.4
513	Broadcasting and telecommunications	6,187	5,556	11.4
5131	Radio and television broadcasting	(S)	(S)	(S)
5132	Cable networks and program distribution ¹	832	647	28.5
5133	Telecommunications ²	5,340	4,897	9.0
514	Information services and data processing services	1,798	1,138	57.9
5141	Information services	959	591	62.1
5142	Data processing services	839	547	53.5

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

²Estimates for NAICS 51332 (wireless telecommunications carriers (except satellite)) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.0.3 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.1. Newspaper Publishers (NAICS 51111)—Estimated Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	48,414	45,521	6.4
SOURCES OF REVENUE			
Single copy and subscription sales, total	8,818	8,592	2.6
Print	8,760	8,561	2.3
Electronic	(S)	(S)	(S)
Advertising sales, total	35,513	32,843	8.1
Print	35,376	32,740	8.1
Electronic	136	103	32.6
Contract printing	1,765	1,680	5.1
Other revenue	2,318	2,407	-3.7
EXPENSES			
Purchased printing	3,427	3,245	5.6
INVENTORIES AT END OF YEAR			
Total	737	740	-0.4
Finished goods and work-in-process	43	38	14.1
Materials, supplies, fuel, etc	694	702	-1.1

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Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.1 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.2. Periodical Publishers (NAICS 5112)—Estimated Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	38,826	36,443	6.5
SOURCES OF REVENUE			
Single copy and subscription sales, total	15,670	14,907	5.1
Print	14,700	14,190	3.6
Electronic	969	718	35.1
Advertising sales, total	17,989	16,690	7.8
Print	17,766	16,515	7.6
Electronic	223	176	27.0
Contract printing	1,140	1,148	-0.7
Other revenue	4,028	3,698	8.9
EXPENSES			
Purchased printing	4,287	4,208	1.9
INVENTORIES AT END OF YEAR			
Total	1,258	1,199	4.8
Finished goods and work-in-process	877	801	9.4
Materials, supplies, fuel, etc	381	398	-4.4

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.2 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.3. Book Publishers (NAICS 51113)—Estimated Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	24,129	22,480	7.3
SOURCES OF REVENUE			
Revenue from the sale of printed material	19,840	18,622	6.5
Revenue from the sale of electronic or non-printed material (except audio), total	2,434	2,168	12.2
Multi-media	811	748	8.4
Online	1,623	1,420	14.3
Revenue from the sale of audio books	198	191	3.8
Revenue from the sale of publication rights	247	235	5.2
Contract printing	361	428	-15.7
Other revenues	1,048	836	25.5
EXPENSES			
Purchased printing	4,104	3,908	5.0
INVENTORIES AT END OF YEAR			
Total	2,984	2,737	9.0
Finished goods and work-in-process	2,723	2,510	8.5
Materials, supplies, fuel, etc	261	227	14.6

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.3 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.4. Database and Directory Publishers (NAICS 5114)—Estimated Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	15,433	14,239	8.4
SOURCES OF REVENUE			
Single copy and subscription sales, total	1,409	1,274	10.6
Print	605	631	-4.1
Electronic	804	643	25.0
Advertising sales, total	10,679	9,889	8.0
Print	10,590	9,850	7.5
Electronic	89	39	127.6
Contract printing	143	127	12.7
Other revenue	3,202	2,950	8.6
EXPENSES			
Purchased printing	1,198	1,182	1.3
INVENTORIES AT END OF YEAR			
Total	408	227	80.1
Finished goods and work-in-process	383	206	86.1
Materials, supplies, fuel, etc	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.4 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.5. Greeting Card Publishers (NAICS 511191)—Estimated Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	5,806	5,931	-2.1
EXPENSES			
Purchased printing	103	127	-18.8
INVENTORIES AT END OF YEAR			
Total	744	783	-5.0
Finished goods and work-in-process	517	565	-8.6
Materials, supplies, fuel, etc	227	218	4.4

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.5 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.6. All Other Publishers (NAICS 511199)—Estimated Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	6,238	5,494	13.5
SOURCES OF REVENUE			
Single copy and subscription sales, total	2,444	2,146	13.9
Print	1,818	1,597	13.8
Electronic	626	549	14.1
Advertising sales, total	1,879	1,720	9.3
Print	1,873	1,715	9.2
Electronic	(S)	(S)	(S)
Contract printing	(S)	(S)	(S)
Other revenue	1,644	1,447	13.6
EXPENSES			
Purchased printing	731	593	23.3
INVENTORIES AT END OF YEAR			
Total	688	662	3.9
Finished goods and work-in-process	507	504	0.7
Materials, supplies, fuel, etc	181	158	14.2

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.6 provides estimated measures of sampling variability (coefficients of variation).

Table 3.1.7. Software Publishers (NAICS 5112)—Estimated Revenue, Expenses, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
REVENUE			
Total	80,959	72,098	12.3
SOURCES OF REVENUE			
Personal computer software revenue, total	12,940	11,818	9.5
Consumer applications	7,974	7,247	10.0
Cross-industry applications	(S)	(S)	(S)
Vertical market applications	2,308	2,324	-0.7
Software development tools, languages, and utilities	1,254	1,095	14.5
Enterprise software revenue, total	22,849	20,580	11.0
Cross-industry applications	15,003	13,194	13.7
Vertical market applications	5,532	5,426	2.0
Software development tools, languages, and utilities	2,313	1,960	18.0
Systems and systems management software revenue	12,261	10,130	21.0
Electronic commerce enabling technologies and software	(S)	(S)	(S)
Mainframe computer software revenue, total	8,676	8,065	7.6
Operating system software	4,854	4,669	4.0
Database software	2,699	2,483	8.7
Networking software	1,122	913	22.9
Other services revenue, total	16,076	13,625	18.0
Implementation and customization	5,428	4,597	18.1
Software upgrades and maintenance	8,575	7,224	18.7
Software user training	1,313	1,201	9.3
Internet access fees	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	35	15	138.5
Other revenues	6,883	7,117	-3.3
EXPENSES			
Selected purchases, total	5,460	4,751	14.9
Purchased printing	693	627	10.5
Purchased software reproduction	2,413	2,136	13.0
Purchased programming services	2,354	1,987	18.4
INVENTORIES AT END OF YEAR			
Total	863	784	10.1
Finished goods and work-in-process	697	665	4.8
Materials, supplies, fuel, etc	167	119	39.8

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.1.7 provides estimated measures of sampling variability (coefficients of variation).

Table 3.2.1. Motion Picture and Sound Recording Industries (NAICS 512)—Estimated Revenue, and Inventories for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
MOTION PICTURE AND SOUND RECORDING INDUSTRIES (NAICS 512)			
Operating revenue	63,196	58,850	7.4
Total inventories	15,407	14,370	7.2
Finished goods and work-in-process	15,230	14,208	7.2
Materials, supplies, fuel, etc	177	163	8.6
MOTION PICTURE AND VIDEO (NAICS 5121)			
Operating revenue	51,227	48,002	6.7
Total inventories	15,101	14,053	7.5
Finished goods and work-in-process	14,983	13,942	7.5
Materials, supplies, fuel, etc	118	112	5.7
SOUND RECORDING¹ (NAICS 5122)			
Operating revenue	11,969	10,848	10.3
Total inventories	306	317	-3.4
Finished goods and work-in-process	248	266	-6.9
Materials, supplies, fuel, etc	58	51	15.0

¹Estimates have not been adjusted to the result of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.2.1 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.1. Radio and Television Broadcasting (NAICS 5131)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	47,292	43,791	8.0
Station time sales	29,771	27,419	8.6
Network compensation	657	631	4.1
National/regional advertising	10,482	9,769	7.3
Local advertising revenue	18,632	17,018	9.5
Network time sales	13,514	12,603	7.2
Other operating revenue	4,007	3,769	6.3
EXPENSES			
Total	37,451	33,760	10.9
Annual payroll	10,814	9,625	12.4
Employer contributions to Social Security and other supplemental benefits	1,427	1,450	-1.6
Broadcast rights and music license fees	11,337	10,249	10.6
Depreciation	3,411	2,765	23.4
Lease and rental	616	623	-1.2
Purchased repairs	266	282	-5.7
Purchased communications and utilities	601	589	1.9
Purchased advertising	1,458	1,290	13.1
Other operating expenses (including network compensation fees)	7,521	6,886	9.2

Note: Estimates cover taxable and tax-exempt firms. Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.1 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.2. Radio Broadcasting (NAICS 51311)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	13,030	11,587	12.4
Station time sales	11,258	10,029	12.3
Network compensation	97	82	17.4
National/regional advertising	2,863	2,483	15.3
Local advertising revenue	8,298	7,464	11.2
Network time sales	996	872	14.2
Other operating revenue	776	686	13.0
EXPENSES			
Total	10,208	8,939	14.2
Annual payroll	4,165	3,583	16.2
Employer contributions to Social Security and other supplemental benefits	503	450	11.7
Broadcast rights and music license fees	526	563	-6.7
Depreciation	1,579	1,227	28.8
Lease and rental	268	255	4.9
Purchased repairs	86	82	5.0
Purchased communications and utilities	258	228	12.9
Purchased advertising	393	361	8.9
Other operating expenses (including network compensation fees)	2,431	2,190	11.0

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.2 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.3. Television Broadcasting (NAICS 51312)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	34,262	32,203	6.4
Station time sales	18,513	17,389	6.5
Network compensation	561	549	2.1
National/regional advertising	7,618	7,286	4.6
Local advertising revenue	10,334	9,554	8.2
Network time sales	12,518	11,732	6.7
Other operating revenue	3,231	3,082	4.8
EXPENSES			
Total	27,243	24,821	9.8
Annual payroll	6,649	6,042	10.0
Employer contributions to Social Security and other supplemental benefits	924	1,000	-7.6
Broadcast rights and music license fees	10,811	9,686	11.6
Depreciation	1,832	1,539	19.1
Lease and rental	349	368	-5.4
Purchased repairs	180	200	-10.2
Purchased communications and utilities	343	361	-5.0
Purchased advertising	1,066	929	14.7
Other operating expenses (including network compensation fees)	5,090	4,696	8.4

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.3 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.4. Cable Networks and Program Distribution (NAICS 5132)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	59,774	52,160	14.6
Advertising revenue (net)	9,767	8,034	21.6
Program revenue	10,301	9,454	9.0
Basic service tier	26,890	23,541	14.2
Pay-per-view service	1,903	1,607	18.5
Other premium service	4,421	4,312	2.5
Installation, startup, and reconnect fees	765	740	3.3
Other cable and pay TV revenue	2,428	2,021	20.1
Internet access fees	274	138	98.8
Local telephone service	220	144	52.6
Long-distance telephone service	(S)	(S)	(S)
Other communication service revenue	522	228	129.0
Other operating revenue	2,237	1,915	16.8
OPERATING EXPENSES			
Total	52,952	45,231	17.0
Annual payroll	8,388	7,138	17.5
Employer contributions to Social Security and other supplemental benefits	1,666	1,443	15.5
Program and production costs	16,525	14,601	13.2
Depreciation	11,498	9,425	22.0
Lease and rental	878	760	15.5
Purchased repairs	721	662	8.9
Purchased communications and utilities	840	736	14.2
Purchased advertising	1,836	1,590	15.5
Other operating expenses	10,600	8,876	19.4

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.4 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.5. Cable Networks (NAICS 51321)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	17,650	14,984	17.8
Advertising revenue (net)	7,311	5,941	23.1
Program revenue	9,041	7,897	14.5
Other operating revenue	1,298	1,146	13.3
OPERATING EXPENSES			
Total	13,025	11,290	15.4
Annual payroll	1,855	1,562	18.8
Employer contributions to Social Security and other supplemental benefits	344	311	10.6
Program and production costs	5,771	5,331	8.2
Depreciation	541	421	28.5
Lease and rental	263	235	12.0
Purchased repairs	26	22	19.1
Purchased communications and utilities	96	102	-6.3
Purchased advertising	1,065	930	14.6
Other operating expenses	3,064	2,376	28.9

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.5 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.6. Cable and Other Program Distribution (NAICS 51322)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	42,124	37,176	13.3
Advertising revenue (net)	2,456	2,093	17.4
Basic service tier	26,889	23,541	14.2
Pay-per-view service	1,903	1,607	18.5
Other premium service	4,421	4,312	2.5
Installation, startup, and reconnect fees	719	702	2.4
Other cable and pay TV revenue	2,355	1,942	21.2
Internet access fees	274	138	98.8
Local telephone service	220	144	52.6
Long-distance telephone service	(S)	(S)	(S)
Other communication service revenue	497	199	149.3
Other operating revenue ¹	2,344	2,472	-5.2
OPERATING EXPENSES			
Total	39,928	33,942	17.6
Annual payroll	6,533	5,576	17.2
Employer contributions to Social Security and other supplemental benefits	1,322	1,132	16.8
Program and production costs	10,755	9,270	16.0
Depreciation	10,958	9,004	21.7
Lease and rental	615	526	17.1
Purchased repairs	694	640	8.5
Purchased communications and utilities	745	634	17.4
Purchased advertising	771	660	16.8
Other operating expenses	7,536	6,500	15.9

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¹Includes program revenue.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.6 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.7. Telecommunications (NAICS 5133)¹—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	318,097	284,916	11.6
Wired telecommunications services	228,321	210,866	8.3
Local service	76,414	68,192	12.1
Basic local service	60,463	54,048	11.9
Value-added services	15,952	14,144	12.8
Long-distance service	102,251	96,897	5.5
Network access	49,656	45,778	8.5
Cellular telephone, PCS, and SMR	45,061	34,919	29.0
Basic monthly charges	19,633	15,790	24.3
Airtime	14,966	11,781	27.0
Long-distance service	2,156	1,770	21.8
Roaming	5,293	3,281	61.3
Other	3,014	2,296	31.3
Directory advertising	1,788	1,676	6.6
Other communications services	13,736	12,137	13.2
Other operating revenue	29,191	25,318	15.3
OPERATING EXPENSES			
Total	266,420	240,055	11.0
Annual payroll	54,447	48,612	12.0
Employer contributions to Social Security and other supplemental benefits	12,415	11,047	12.4
Access charges	37,581	33,665	11.6
Depreciation	49,929	44,291	12.7
Lease and rental	6,349	5,677	11.8
Purchased repairs	3,117	3,033	2.8
Purchased communications and utilities	14,330	15,946	-10.1
Purchased advertising	7,122	7,327	-2.8
Universal service, contributions, and other similar charges	5,527	5,297	4.3
Other operating expenses	75,602	65,158	16.0

¹Estimates for NAICS 51332 (wireless telecommunications carriers (except satellite)) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.7 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.8. Telecommunications (NAICS 5133)¹—Estimated Local, Long-Distance, and Network Access Revenue by Type of Customer, Service, and Destination for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	Total	Type of customer		Type of service		Type of destination	
		Residential	Nonresidential	Intrastate	Interstate	Domestic	International
LOCAL SERVICE							
Millions of Dollars							
1999	76,414	38,033	38,381	69,024	7,391	(X)	(X)
1998	68,192	34,506	33,686	60,952	7,239	(X)	(X)
Percent Change							
1999	12.1	10.2	13.9	13.2	2.1	(X)	(X)
LONG-DISTANCE SERVICE							
Millions of Dollars							
1999	102,251	46,042	56,210	32,631	69,620	85,628	16,623
1998	96,897	46,034	50,863	32,365	64,532	82,463	14,434
Percent Change							
1999	5.5	(Z)	10.5	0.8	7.9	3.8	15.2
NETWORK ACCESS							
Millions of Dollars							
1999	49,656	11,962	37,694	14,535	35,121	(X)	(X)
1998	45,778	12,016	33,762	12,556	33,222	(X)	(X)
Percent Change							
1999	8.5	-0.4	11.6	15.8	5.7	(X)	(X)

X Not applicable. Z Less than .05 percent.

¹Estimates for NAICS 51332 (wireless telecommunications carriers (except satellite)) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.8 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.9. Wired Telecommunications Carriers (NAICS 51331)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	247,532	227,868	8.6
Wired telecommunications services	221,439	205,223	7.9
Local service	74,807	66,981	11.7
Basic local service	58,892	52,861	11.4
Value-added services	15,915	14,120	12.7
Long-distance service	97,670	92,984	5.0
Network access	48,962	45,257	8.2
Cellular telephone, PCS, and SMR	511	400	27.8
Basic monthly charges	120	85	40.8
Airtime	101	82	24.2
Long-distance service	(ZZ)	(ZZ)	-50.0
Roaming	6	5	24.2
Other	(S)	(S)	(S)
Directory advertising	1,783	1,672	6.6
Other communications services	1,586	913	73.7
Other operating revenue	22,213	19,660	13.0
OPERATING EXPENSES			
Total	200,461	184,779	8.5
Annual payroll	43,193	38,941	10.9
Employer contributions to Social Security and other supplemental benefits	10,106	9,098	11.1
Access charges	31,657	29,412	7.6
Depreciation	38,120	33,462	13.9
Lease and rental	3,368	3,014	11.8
Purchased repairs	2,366	2,186	8.2
Purchased communications and utilities	12,437	14,449	-13.9
Purchased advertising	4,532	4,635	-2.2
Universal service, contributions, and other similar charges	5,017	4,900	2.4
Other operating expenses	49,665	44,683	11.1

ZZ Less than .5. S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.9 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.10. Wired Telecommunications Carriers (NAICS 51331)—Estimated Local, Long-Distance, and Network Access Revenue by Type of Customer, Service and Destination for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	Total	Type of customer		Type of service		Type of destination	
		Residential	Non-residential	Intrastate	Interstate	Domestic	International
LOCAL SERVICE							
Millions of Dollars							
1999	74,807	37,715	37,092	67,905	6,902	(X)	(X)
1998	66,981	34,264	32,717	60,193	6,789	(X)	(X)
Percent Change							
1999	11.7	10.1	13.4	12.8	1.7	(X)	(X)
LONG-DISTANCE SERVICE							
Millions of Dollars							
1999	97,670	45,089	52,581	31,461	66,209	83,088	14,582
1998	92,984	45,201	47,784	31,285	61,699	80,102	12,883
Percent Change							
1999	5.0	-0.2	10.0	0.6	7.3	3.7	13.2
NETWORK ACCESS							
Millions of Dollars							
1999	48,962	11,896	37,067	14,198	34,764	(X)	(X)
1998	45,257	11,958	33,299	12,298	32,960	(X)	(X)
Percent Change							
1999	8.2	-0.5	11.3	15.5	5.5	(X)	(X)

X Not applicable.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.10 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.11. Wireless Telecommunications Carriers (except Satellite) (NAICS 51332)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	53,485	42,363	26.3
Cellular telephone, PCS, and SMR	42,654	32,844	29.9
Basic monthly charges	19,269	15,490	24.4
Airtime	14,723	11,557	27.4
Long-distance service	1,919	1,528	25.6
Roaming	5,115	3,162	61.8
Other	1,629	1,107	47.1
Other communications services ¹	6,920	6,423	7.7
Other operating revenue	3,911	3,096	26.3
OPERATING EXPENSES			
Total	50,381	39,720	26.8
Annual payroll	8,259	6,722	22.9
Employer contributions to Social Security and other supplemental benefits	1,787	1,490	20.0
Access charges	3,371	2,233	51.0
Depreciation	10,376	8,743	18.7
Lease and rental	2,328	1,923	21.0
Purchased repairs	660	719	-8.3
Purchased communications and utilities	1,311	1,051	24.7
Purchased advertising	2,343	2,467	-5.0
Universal service, contributions, and other similar charges	441	325	36.0
Other operating expenses	19,505	14,047	38.9

¹Includes wired telecommunications services revenue.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.11 provides estimated measures of sampling variability (coefficients of variation).

Table 3.3.12. Telecommunications Resellers (NAICS 51333)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OPERATING REVENUE			
Total	8,320	6,950	19.7
Wired telecommunications services	5,963	4,822	23.7
Local service	1,022	666	53.5
Long-distance service	4,260	3,647	16.8
Network access	681	509	33.8
Cellular telephone, PCS, and SMR	1,087	1,024	6.1
Other operating revenue ¹	1,271	1,105	15.0
OPERATING EXPENSES			
Total	7,159	5,616	27.5
Annual payroll	1,573	1,142	37.7
Employer contributions to Social Security and other supplemental benefits	272	218	25.0
Access charges	1,880	1,524	23.4
Depreciation	498	371	34.2
Purchased communications and utilities	424	288	47.2
Purchased advertising	136	103	31.8
Other operating expenses ²	2,164	1,764	22.7

¹Includes other communication services and directory advertising.

²Includes lease and rental expenses, purchased repairs, and universal service, contributions, and other similar charges.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.3.12 provides estimated measures of sampling variability (coefficients of variation).

Table 3.4.1. Information Services and Data Processing Services (NAICS 514)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
NEWS SYNDICATES (NAICS 51411)			
Revenue	1,823	1,586	14.9
LIBRARIES AND ARCHIVES (NAICS 51412)			
Revenue			
Total	1,018	954	6.7
Sources of Revenue			
Subsidies, contributions, gifts, and grants	698	631	10.6
Other revenue	320	323	-1.0
ONLINE INFORMATION SERVICES (NAICS 514191)			
Revenue			
Total	18,025	10,882	65.6
Sources of Revenue			
Internet access fees	8,979	5,499	63.3
Advertising	1,355	725	87.0
Web hosting and design	520	261	99.4
Online sales commissions	(S)	(S)	(S)
Other revenue	7,038	4,322	62.8
ALL OTHER INFORMATION SERVICES¹ (NAICS 514199)			
Revenue			
Total	2,120	985	115.3
Sources of Revenue			
Internet access fees	39	10	294.9
Advertising	1,477	658	124.6
Web hosting and design	12	3	355.6
Online sales commissions	6	1	714.3
Other revenue	586	314	87.0
DATA PROCESSING SERVICES (NAICS 5142)			
Revenue			
Total	37,143	32,588	14.0
Sources of revenue			
Transaction processing and data exchange	22,151	19,511	13.5
Data capture and imaging	1,308	1,161	12.7
Computer timesharing services	764	748	2.1
Web hosting and design	(S)	(S)	(S)
Other data processing services	5,997	5,160	16.2
All other revenue	6,645	6,008	10.6

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.4.1 provides estimated measures of sampling variability (coefficients of variation).

Table 3.4.2. Other Information Services (NAICS 51419)—Estimated Revenue and Expenses for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OTHER INFORMATION SERVICES (NAICS 51419)			
Revenue			
Total	20,146	11,866	69.8
Expenses			
Internet network connectivity	8,052	4,702	71.2
ONLINE INFORMATION SERVICES (NAICS 514191)			
Revenue			
Total	18,025	10,882	65.6
Expenses			
Internet network connectivity	7,366	4,492	64.0
ALL OTHER INFORMATION SERVICES¹ (NAICS 514199)			
Revenue			
Total	2,120	985	115.3
Expenses			
Internet network connectivity	686	210	227.1

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-3.4.2 provides estimated measures of sampling variability (coefficients of variation).

Chapter 4. Securities Intermediation and Related Services

Table 4.1. Securities and Commodity Contracts Intermediation and Brokerage (NAICS 5231)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
5231	Securities and commodity contracts intermediation and brokerage ..	209,819	173,313	21.1
52311	Investment banking and securities dealing	115,469	93,760	23.2
52312	Securities brokerage	89,141	74,445	19.7
52313	Commodity contracts dealing	1,987	1,788	11.1
52314	Commodity contracts brokerage	3,221	3,320	-3.0

Note: Estimates cover taxable firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-4.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 4.2. Securities, Commodity Contracts, and Other Financial Investments Activities (NAICS 523)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
523x	Securities, commodity contracts, and other financial investment activities ¹	295,302	245,736	20.2
5231	Securities and commodity contracts intermediation and brokerage	203,744	168,188	21.1
52311	Investment banking and securities dealing	113,907	92,500	23.1
52312	Securities brokerage	85,282	71,242	19.7
52313	Commodity contracts dealing	1,807	1,632	10.7
52314	Commodity contracts brokerage	2,748	2,814	-2.4
5239x	Other financial investment activities ²	91,558	77,548	18.1
52392	Portfolio management	76,275	66,143	15.3
52393	Investment advice	15,283	11,405	34.0

¹Includes NAICS 5231 (securities and commodity contracts intermediation and brokerage) and NAICS 5239 (other financial investment activities).

²Excludes NAICS 52391 (miscellaneous intermediation) and NAICS 52399 (all other financial investment activities).

Note: Estimates cover taxable firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-4.2 provides estimated measures of sampling variability (coefficients of variation).

Table 4.3. Securities, Commodity Contracts, and Other Financial Investments Activities (NAICS 523)—Estimated Export Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
523x	Securities, commodity contracts, and other financial investment activities ¹	7,806	6,556	19.1
5231	Securities and commodity contracts intermediation and brokerage	4,029	3,674	9.7
52311	Investment banking and securities dealing	2,554	2,400	6.4
52312	Securities brokerage	1,061	896	18.4
52313	Commodity contracts dealing	189	177	7.0
52314	Commodity contracts brokerage	225	201	12.2
5239x	Other financial investment activities ²	(S)	2,883	(S)
52392	Portfolio management	(S)	(S)	(S)
52393	Investment advice	640	630	1.6

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Includes NAICS 5231 (securities and commodity contracts intermediation and brokerage) and NAICS 5239 (other financial investment activities).

²Excludes NAICS 52391 (miscellaneous intermediation) and NAICS 52399 (all other financial investment activities).

Note: Estimates cover taxable firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-4.3 provides estimated measures of sampling variability (coefficients of variation).

Table 4.4. **Securities, Commodity Contracts, and Other Financial Investments and Related Activities (NAICS 523)—Estimated Sources of Revenue for Employer Firms: 1998 and 1999**

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Estimates have not been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
SECURITIES, COMMODITY CONTRACTS, AND OTHER FINANCIAL INVESTMENTS AND RELATED ACTIVITIES¹ (NAICS 523X)			
Operating Revenue			
Total	295,302	245,736	20.2
Commissions from the sale of securities and commodities	63,401	51,997	21.9
Gains (losses) on trading accounts in securities and commodities (net) ...	44,989	34,102	31.9
Interest income from trading accounts in securities	15,463	14,222	8.7
Gains (losses) from trading accounts in securities	26,127	16,735	56.1
Gains (losses) from trading accounts in commodities	3,400	3,145	8.1
Gains from underwriting and selling groups of securities (net)	15,126	11,080	36.5
MBS, CMO, and REMIC transactions	2,995	2,550	17.4
All other securities transactions	12,131	8,529	42.2
Gains on investment accounts (net)	4,050	2,773	46.1
Dividend income	2,522	1,868	35.0
Margin interest and other interest income	51,301	42,364	21.1
Other investment income	12,703	13,434	-5.4
Asset/Portfolio management fees	76,125	65,665	15.9
Other revenue	25,085	22,454	11.7
SECURITIES AND COMMODITY CONTRACTS INTERMEDIATION AND BROKERAGE (NAICS 5231)			
Operating Revenue			
Total	203,744	168,188	21.1
Commissions from the sale of securities and commodities	58,198	47,474	22.6
Gains (losses) on trading accounts in securities and commodities (net) ...	42,839	31,076	37.9
Interest income from trading accounts in securities	14,451	13,231	9.2
Gains (losses) from trading accounts in securities	24,985	14,694	70.0
Gains (losses) from trading accounts in commodities	3,402	3,150	8.0
Gains from underwriting and selling groups of securities (net)	14,774	10,882	35.8
MBS, CMO, and REMIC transactions	2,764	2,463	12.2
All other securities transactions	12,010	8,419	42.7
Gains on investment accounts (net)	3,673	2,153	70.6
Dividend income	1,446	1,031	40.2
Margin interest and other interest income	39,901	34,521	15.6
Other investment income	8,135	9,366	-13.1
Asset/portfolio management fees	23,112	21,146	9.3
Other revenue	11,666	10,539	10.7
OTHER FINANCIAL INVESTMENT ACTIVITIES (NAICS 5239X)²			
Operating Revenue			
Total	91,558	77,548	18.1
Commissions from the sale of securities and commodities	5,202	4,523	15.0
Gains (losses) on trading accounts in securities and commodities (net) ...	(S)	(S)	(S)
Interest income from trading accounts in securities	1,011	991	2.0
Gains (losses) from trading accounts in securities	(S)	(S)	(S)
Gains (losses) from trading accounts in commodities	(S)	(S)	(S)
Gains from underwriting and selling groups of securities (net)	352	198	77.6
MBS, CMO, and REMIC transactions	(S)	(S)	(S)
All other securities transactions	121	111	9.3
Gains on investment accounts (net)	(S)	(S)	(S)
Dividend income	(S)	(S)	(S)
Margin interest and other interest income	(S)	(S)	(S)
Other investment income	4,568	4,068	12.3
Asset/Portfolio management fees	53,013	44,519	19.1
Other revenue	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Includes NAICS 5231 (securities and commodity contracts intermediation and brokerage) and NAICS 5239 (other financial investment activities).

²Excludes NAICS 52391 (miscellaneous intermediation) and NAICS 52399 (all other financial investment activities).

Note: Estimates cover taxable firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-4.4 provides estimated measures of sampling variability (coefficients of variation).

Chapter 5. Rental and Leasing Services

Table 5.1. Rental and Leasing Services (NAICS 532)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
532	Rental and leasing services	98,930	90,072	9.8
5321	Automotive equipment rental and leasing	35,244	31,920	10.4
53211	Passenger car rental and leasing	22,782	20,663	10.3
532111	Passenger car rental	18,285	16,338	11.9
532112	Passenger car leasing	4,497	4,325	4.0
53212	Truck, utility trailer, and rv (recreational vehicle) rental and leasing	12,463	11,257	10.7
5322	Consumer goods rental	17,739	16,530	7.3
53221	Consumer electronics and appliances rental ¹	1,970	2,024	-2.7
53222	Formal wear and costume rental	994	914	8.7
53223	Video tape and disc rental	8,768	7,944	10.4
53229	Other consumer goods rental	6,007	5,648	6.3
532291	Home health equipment rental	2,141	2,092	2.3
53229x	All other consumer goods rental ²	3,866	3,556	8.7
5323	General rental centers	5,127	4,493	14.1
5324	Commercial and industrial machinery and equipment rental and leasing	40,820	37,130	9.9
53241	Construction, transportation, mining, and forestry machinery and equipment rental and leasing	17,519	16,455	6.5
53242	Office machinery and equipment rental and leasing	10,179	8,327	22.2
53249	Other commercial and industrial machinery and equipment rental and leasing	13,122	12,347	6.3

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

²Includes NAICS 532292 (recreational goods rental) and 532299 (all other consumer goods rental)

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-5.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are only available for the NAICS industries covered in this table.

Table 5.2. Rental and Leasing Services (NAICS 532)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
532	Rental and leasing services	93,156	85,002	9.6
5321	Automotive equipment rental and leasing	34,132	30,918	10.4
53211	Passenger car rental and leasing	22,137	20,072	10.3
532111	Passenger car rental	17,991	16,075	11.9
532112	Passenger car leasing	4,146	3,997	3.7
53212	Truck, utility trailer, and rv (recreational vehicle) rental and leasing	11,994	10,846	10.6
5322	Consumer goods rental	16,900	15,776	7.1
53221	Consumer electronics and appliances rental ¹	1,902	1,963	-3.1
53222	Formal wear and costume rental	970	893	8.7
53223	Video tape and disc rental	8,434	7,646	10.3
53229	Other consumer goods rental	5,593	5,274	6.1
532291	Home health equipment rental	2,067	2,023	2.2
53229x	All other consumer goods rental ²	3,526	3,251	8.5
5323	General rental centers	4,914	4,317	13.8
5324	Commercial and industrial machinery and equipment rental and leasing	37,211	33,992	9.5
53241	Construction, transportation, mining, and forestry machinery and equipment rental and leasing	15,946	15,121	5.5
53242	Office machinery and equipment rental and leasing	9,533	7,807	22.1
53249	Other commercial and industrial machinery and equipment rental and leasing	11,732	11,064	6.0

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

²Includes NAICS 532292 (recreational goods rental) and 532299 (all other consumer goods rental).

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-5.1 provides estimated measures of sampling variability (coefficients of variation).

Chapter 6. Professional, Scientific, and Technical Services

Table 6.1. Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	825,445	749,231	10.2
5411	Legal services (except notaries)	157,566	148,421	6.2
54111	Offices of lawyers	151,536	142,510	6.3
54119	Other legal services ¹	6,030	5,912	2.0
5412	Accounting, tax preparation, bookkeeping, and payroll services	76,253	70,451	8.2
541211	Offices of certified public accountants	47,859	44,887	6.6
541213	Tax preparation services	3,912	3,445	13.5
541214	Payroll services ²	14,192	12,456	13.9
541219	Other accounting services	10,290	9,662	6.5
5413	Architectural, engineering, and related services (except landscape architectural services)	148,805	138,009	7.8
54131	Architectural services	24,621	22,836	7.8
54133	Engineering services	109,035	99,932	9.1
54138	Testing laboratories	7,247	7,340	-1.3
5413x	All other engineering services ³	7,903	7,902	(Z)
5414	Specialized design services	20,428	19,212	6.3
54141	Interior design services	7,236	6,906	4.8
5414x	All other design services ⁴	13,192	12,305	7.2
5415	Computer systems design and related services	164,518	139,747	17.7
541511	Custom computer programming services	62,100	52,204	19.0
541512	Computer systems design services ²	77,196	67,873	13.7
541513	Computer facilities management services ²	15,214	11,896	27.9
541519	Other computer related services	10,008	7,774	28.7
5416	Management, scientific, and technical consulting services	98,382	89,389	10.1
54161	Management consulting services	82,632	74,389	11.1
54162	Environmental consulting services ²	7,483	6,790	10.2
54169	Other scientific and technical consulting services	8,267	8,210	0.7
5417	Scientific research and development services	45,753	41,705	9.7
54171	Research and development in the physical, engineering, and life sciences	42,090	38,334	9.8
54172	Research and development in the social sciences and humanities	3,663	3,371	8.7
5418	Advertising and related services	66,124	60,466	9.4
54181	Advertising agencies	22,590	19,776	14.2
54182	Public relations agencies	7,149	6,364	12.3
54185	Display advertising	6,281	5,598	12.2
54186	Direct mail advertising	9,962	9,581	4.0
5418x	All other advertising ⁵	20,143	19,147	5.2
5419	Other professional, scientific, and technical services (except veterinary services)	47,617	41,832	13.8
54191	Marketing research and public opinion polling	9,639	8,457	14.0
54192	Photographic services	7,986	7,862	1.6
541921	Photography studios, portrait	5,114	5,040	1.5
541922	Commercial photography	2,872	2,821	1.8
54193	Translation and interpretation services ²	1,058	953	11.0
54199	All other professional, scientific, and technical services	28,935	24,561	17.8

Z Less than .05 percent.

¹Estimates for NAICS 541191 (title abstract and settlement offices) have not been adjusted to the results of the 1997 Economic Census.

²Estimates have not been adjusted to the results of the 1997 Economic Census.

³Includes NAICS 54134 (drafting services), NAICS 54135 (building inspection services), NAICS 54136 (geophysical surveying and mapping services), and NAICS 54137 (surveying and mapping (except geophysical) services).

⁴Includes NAICS 54142 (industrial design services), NAICS 54143 (graphic design services), and NAICS 54149 (other specialized design services).

⁵Includes NAICS 54183 (media buying agencies), NAICS 54184 (media representatives), NAICS 54187 (advertising material distribution services), and NAICS 54189 (other services related to advertising).

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-6.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 6.2. Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Revenue for Taxable Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	714,149	649,613	9.9
5411	Legal services (except notaries)	144,369	136,228	6.0
54111	Offices of lawyers	138,787	130,749	6.1
54119	Other legal services ¹	5,581	5,479	1.9
5412	Accounting, tax preparation, bookkeeping, and payroll services	70,672	65,310	8.2
541211	Offices of certified public accountants	46,486	43,632	6.5
541213	Tax preparation services	2,912	2,579	12.9
541214	Payroll services ²	14,128	12,400	13.9
541219	Other accounting services	7,148	6,700	6.7
5413	Architectural, engineering, and related services (except landscape architectural services)	141,413	131,220	7.8
54131	Architectural services	22,207	20,691	7.3
54133	Engineering services	105,219	96,390	9.2
54138	Testing laboratories	7,178	7,274	-1.3
5413x	All other engineering services ³	6,809	6,866	-0.8
5414	Specialized design services	16,478	15,512	6.2
54141	Interior design services	5,452	5,232	4.2
5414x	All other design services ⁴	11,027	10,280	7.3
5415	Computer systems design and related services	154,414	131,481	17.4
541511	Custom computer programming services	58,313	49,140	18.7
541512	Computer systems design services ²	73,603	64,808	13.6
541513	Computer facilities management services ²	15,053	11,768	27.9
541519	Other computer related services	7,445	5,765	29.1
5416	Management, scientific, and technical consulting services	79,973	72,902	9.7
54161	Management consulting services	67,905	61,361	10.7
54162	Environmental consulting services ²	6,332	5,776	9.6
54169	Other scientific and technical consulting services	5,737	5,765	-0.5
5417	Scientific research and development services	28,743	25,508	12.7
54171	Research and development in the physical, engineering, and life sciences	27,300	24,237	12.6
54172	Research and development in the social sciences and humanities	1,443	1,271	13.6
5418	Advertising and related services	60,436	55,404	9.1
54181	Advertising agencies	21,253	18,634	14.1
54182	Public relations agencies	6,061	5,419	11.8
54185	Display advertising	5,960	5,320	12.0
54186	Direct mail advertising	9,415	9,078	3.7
5418x	All other advertising ⁵	17,747	16,953	4.7
5419	Other professional, scientific, and technical services (except veterinary services)	17,650	16,049	10.0
54191	Marketing research and public opinion polling	8,974	7,878	13.9
54192	Photographic services	5,883	5,822	1.1
541921	Photography studios, portrait	3,882	3,849	0.9
541922	Commercial photography	2,001	1,973	1.4
54193	Translation and interpretation services ²	521	484	7.8
54199	All other professional, scientific, and technical services	2,272	1,867	21.7

¹Estimates for NAICS 541191 (title abstract and settlement offices) have not been adjusted to the results of the 1997 Economic Census.

²Estimates have not been adjusted to the results of the 1997 Economic Census.

³Includes NAICS 54134 (drafting services), NAICS 54135 (building inspection services), NAICS 54136 (geophysical surveying and mapping services), and NAICS 54137 (surveying and mapping (except geophysical) services).

⁴Includes NAICS 54142 (industrial design services), NAICS 54143 (graphic design services), and NAICS 54149 (other specialized design services).

⁵Includes NAICS 54183 (media buying agencies), NAICS 54184 (media representatives), NAICS 54187 (advertising material distribution services), and NAICS 54189 (other services related to advertising).

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-6.2 provides estimated measures of sampling variability (coefficients of variation).

Table 6.3. **Selected Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Revenue for Tax-Exempt Employer Firms: 1998 and 1999**

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	18,155	17,244	5.3
54111	Offices of lawyers	1,751	1,591	10.0
5417	Scientific research and development services	16,404	15,654	4.8
54171	Research and development in the physical, engineering, and life sciences	14,249	13,612	4.7
54172	Research and development in the social sciences and humanities	2,155	2,042	5.5

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-6.3 provides estimated measures of sampling variability (coefficients of variation).

Table 6.4. **Selected Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Expenses for Tax-Exempt Employer Firms: 1998 and 1999**

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	17,156	16,353	4.9
54111	Offices of lawyers	1,678	1,545	8.6
5417	Scientific research and development services	15,478	14,808	4.5
54171	Research and development in the physical, engineering, and life sciences	13,409	12,874	4.2
54172	Research and development in the social sciences and humanities	2,070	1,934	7.0

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-6.4 provides estimated measures of sampling variability (coefficients of variation).

Table 6.5. Computer Systems Design and Related Services (NAICS 5415)—Estimated Export Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
5415	Computer systems design and related services	5,612	4,467	25.6
541511	Custom computer programming services	2,496	1,725	44.7
541512	Computer systems design services ¹	2,595	2,398	8.2
541513	Computer facilities management services ¹	236	225	5.0
541519	Other computer related services	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-6.5 provides estimated measures of sampling variability (coefficients of variation).

Table 6.6. Computer Systems Design and Related Services (NAICS 5415)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
COMPUTER SYSTEMS DESIGN AND RELATED SERVICES (NAICS 5415)			
Custom computer programming services	45,515	39,174	16.2
Computer integrated systems design services	44,711	37,704	18.6
Computer systems management services	20,961	17,020	23.2
Software publishing (i.e., packaged software)	6,541	5,724	14.3
Data processing services	1,233	1,133	8.8
Computer rental and leasing services	97	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	2,346	2,404	-2.4
Computer training (including repair-separate from that provided as part of systems design services)	2,674	2,231	19.8
Other computer services, except programming, systems design, and computer facilities management	13,609	11,230	21.2
Internet access revenue	(S)	(S)	(S)
Web hosting and design	1,671	914	82.8
Web site advertising	(S)	(S)	(S)
Sales of merchandise	7,690	7,660	0.4
All other revenues	7,337	6,173	18.9
CUSTOM COMPUTER PROGRAMMING SERVICES (NAICS 541511)			
Custom computer programming services	32,007	27,380	16.9
Computer integrated systems design services	8,066	6,986	15.5
Computer systems management services	3,581	3,165	13.1
Software publishing (i.e., packaged software)	3,094	2,713	14.0
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	615	590	4.3
Computer training (including repair-separate from that provided as part of systems design services)	1,173	855	37.2
Other computer services, except programming, systems design, and computer facilities management	3,803	2,992	27.1
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	1,683	1,181	42.4
All other revenues	2,670	2,276	17.3
COMPUTER SYSTEMS DESIGN SERVICES¹ (NAICS 541512)			
Custom computer programming services	11,550	9,976	15.8
Computer integrated systems design services	35,452	29,744	19.2
Computer systems management services	4,660	4,038	15.4
Software publishing (i.e., packaged software)	2,691	2,346	14.7
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	1,492	1,565	-4.7
Computer training (including repair-separate from that provided as part of systems design services)	1,261	1,203	4.9
Other computer services, except programming, systems design, and computer facilities management	6,869	6,261	9.7
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	5,182	5,881	-11.9
All other revenues	3,314	2,888	14.8

See footnotes at end of table.

Table 6.6. Computer Systems Design and Related Services (NAICS 5415)—Estimated Revenues for Employer Firms: 1998 and 1999—Con.

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
COMPUTER FACILITIES MANAGEMENT SERVICES (NAICS 541513)¹			
Custom computer programming services	816	733	11.3
Computer integrated systems design services	(S)	(S)	(S)
Computer systems management services	12,268	9,437	30.0
Software publishing (i.e., packaged software)	284	290	-1.9
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	(S)	(S)	(S)
Computer training (including repair-separate from that provided as part of systems design services)	(S)	(S)	(S)
Other computer services, except programming, systems design, and computer facilities management	(S)	(S)	(S)
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	(S)	(S)	(S)
All other revenues	813	644	26.2
OTHER COMPUTER RELATED SERVICES (NAICS 541519)			
Custom computer programming services	1,142	1,086	5.2
Computer integrated systems design services	814	755	7.7
Computer systems management services	(S)	(S)	(S)
Software publishing (i.e., packaged software)	(S)	(S)	(S)
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	119	99	21.1
Computer training (including repair-separate from that provided as part of systems design services)	(S)	(S)	(S)
Other computer services, except programming, systems design, and computer facilities management	2,857	1,917	49.0
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	743	515	44.3
All other revenues	540	365	47.9

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-6.6 provides estimated measures of sampling variability (coefficients of variation).

Chapter 7. Administrative and Support and Waste Management and Remediation Services

Table 7.1. Administrative and Support and Waste Management and Remediation Services (Except Landscaping Services) (NAICS 56)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
56	Administrative and support and waste management and remediation services (except landscaping services)	391,767	353,766	10.7
561	Administrative and support services	344,211	310,409	10.9
56111	Office administrative services	42,663	36,025	18.4
56121	Facilities support services	8,603	8,043	7.0
5613	Employment services	115,402	102,957	12.1
5614	Business support services	46,374	42,663	8.7
56141	Document preparation services	2,313	2,064	12.1
56142	Telephone call centers	15,015	13,888	8.1
56143	Business service centers	10,035	9,263	8.3
56144	Collection agencies	6,262	5,365	16.7
56145	Credit bureaus	5,378	5,207	3.3
56149	Other business support services	7,371	6,877	7.2
5615	Travel arrangement and reservation services	26,804	24,754	8.3
5616	Investigation and security services	24,933	22,878	9.0
5617	Services to buildings and dwellings	43,809	39,830	10.0
56171	Exterminating and pest control services	6,167	5,729	7.6
56172	Janitorial services	31,731	28,639	10.8
56174	Carpet and upholstery cleaning services	3,086	2,852	8.2
56179	Other services to buildings and dwellings ¹	2,824	2,610	8.2
5619	Other support services	35,624	33,258	7.1
562	Waste management and remediation services ²	47,555	43,357	9.7

¹Estimates have not been adjusted to the 1997 Economic Census.

²Estimates for NAICS 5622 (waste treatment and disposal) have not been adjusted to the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-7.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 7.2. Administrative and Support and Waste Management and Remediation Services (Except Landscaping Services) (NAICS 56)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
56	Administrative and support and waste management and remediation services (except landscaping services)	373,956	337,806	10.7
561	Administrative and support services	327,368	295,279	10.9
56111	Office administrative services	41,322	34,896	18.4
56121	Facilities support services	8,055	7,542	6.8
5613	Employment services	114,361	102,040	12.1
56131	Employment placement agencies	6,894	5,704	20.9
56132	Temporary help services	71,504	65,656	8.9
56133	Employee leasing services	35,964	30,680	17.2
5614	Business support services	43,346	39,928	8.6
56141	Document preparation services	1,955	1,744	12.0
56142	Telephone call centers	14,817	13,713	8.0
561421	Telephone answering services	4,463	4,273	4.4
561422	Telemarketing bureaus	10,355	9,441	9.7
56143	Business service centers	9,667	8,923	8.3
561431	Private mail centers ¹	1,678	1,558	7.7
561439	Other business service centers (including copy shops)	7,990	7,365	8.5
56144	Collection agencies	6,100	5,233	16.6
56145	Credit bureaus	5,359	5,188	3.3
56149	Other business support services	5,448	5,127	6.3
561491	Repossession services	(S)	(S)	(S)
561492	Court reporting and stenotype services	1,459	1,349	8.1
561499	All other business support services	3,570	3,360	6.3
5615	Travel arrangement and reservation services	24,996	23,092	8.2
56151	Travel agencies	10,770	10,137	6.2
56152	Tour operators	3,075	2,863	7.4
56159	Other travel arrangement and reservation services	11,152	10,092	10.5
561591	Convention and visitors bureaus ¹	904	852	6.0
561599	All other travel arrangement and reservation services	10,248	9,240	10.9
5616	Investigation and security services	23,999	22,013	9.0
56161	Investigation, guard, and armored car services	14,464	13,051	10.8
561611	Investigation services ¹	2,009	2,003	0.3
561612	Security guards and patrol services	10,500	9,252	13.5
561613	Armored car services	1,956	1,796	8.9
56162	Security systems services	9,535	8,962	6.4
561621	Security systems services (except locksmiths)	8,495	7,889	7.7
561622	Locksmiths ¹	1,040	1,073	-3.1
5617	Services to buildings and dwellings	36,949	33,712	9.6
56171	Exterminating and pest control services	5,955	5,532	7.7
56172	Janitorial services	26,712	24,181	10.5
56174	Carpet and upholstery cleaning services	2,416	2,271	6.4
56179	Other services to buildings and dwellings ¹	1,865	1,729	7.9
5619	Other support services	34,341	32,056	7.1
56191	Packaging and labeling services ¹	5,377	4,883	10.1
56192	Convention and trade show organizers	7,779	7,303	6.5
56199	All other support services	21,185	19,871	6.6
562	Waste management and remediation services	46,588	42,527	9.5
5621	Waste collection	24,832	22,316	11.3
562111	Solid waste collection	22,579	20,395	10.7
562112	Hazardous waste collection	1,027	1,040	-1.2
562119	Other waste collection	1,226	881	39.1
5622	Waste treatment and disposal ¹	11,101	10,020	10.8
562211	Hazardous waste treatment and disposal	2,985	2,755	8.3
562212	Solid waste landfill	6,897	6,024	14.5
562213	Solid waste combustors and incinerators	891	884	0.8
562219	Other nonhazardous waste treatment and disposal	329	357	-7.9

See footnotes at end of table.

Table 7.2. Administrative and Support and Waste Management and Remediation Services (Except Landscaping Services) (NAICS 56)—Estimated Revenue for Employer Firms: 1998 and 1999—Con.

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
5629	Remediation and other waste management services	10,655	10,191	4.6
56291	Remediation services	5,527	5,376	2.8
56292	Materials recovery facilities	2,462	2,365	4.1
56299	All other waste management services	2,667	2,450	8.8
562991	Septic tank and related services	2,275	2,042	11.4
562998	All other miscellaneous waste management services	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates cover taxable and tax-exempt firms. Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-7.2 provides estimated measures of sampling variability (coefficients of variation).

Chapter 8. Health Care and Social Assistance Services

Table 8.1. Health Care and Social Assistance Services (NAICS 62)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998
62	Health care and social assistance	1,005,764	963,887	4.3	494,991	474,610	4.3	510,773	489,277	4.4
621	Ambulatory health care services .	417,501	399,556	4.5	369,962	353,292	4.7	47,539	46,265	2.8
6211	Offices of physicians	201,795	192,663	4.7	201,795	192,663	4.7	(X)	(X)	(X)
6212	Offices of dentists	56,395	53,158	6.1	56,395	53,158	6.1	(X)	(X)	(X)
6213	Offices of other health practitioners	39,216	37,790	3.8	39,216	37,790	3.8	(X)	(X)	(X)
62131	Offices of chiropractors	8,312	7,908	5.1	8,312	7,908	5.1	(X)	(X)	(X)
62132	Offices of optometrists	7,932	7,455	6.4	7,932	7,455	6.4	(X)	(X)	(X)
62133	Offices of mental health practitioners (except physicians)	5,158	4,891	5.5	5,158	4,891	5.5	(X)	(X)	(X)
62134	Offices of physical, occupational and speech therapists, and audiologists	9,715	10,173	-4.5	9,715	10,173	-4.5	(X)	(X)	(X)
62139	Offices of all other health practitioners	8,100	7,363	10.0	8,100	7,363	10.0	(X)	(X)	(X)
621391	Offices of podiatrists	2,656	2,601	2.1	2,656	2,601	2.1	(X)	(X)	(X)
621399	Offices of all other miscellaneous health practitioners	5,444	4,762	14.3	5,444	4,762	14.3	(X)	(X)	(X)
6214	Outpatient care centers	55,990	52,447	6.8	22,895	20,480	11.8	33,095	31,967	3.5
62141	Family planning centers	911	888	2.5	286	259	10.4	625	629	-0.7
62142	Outpatient mental health and substance abuse centers	6,873	6,394	7.5	1,802	1,553	16.1	5,071	4,841	4.7
62149	Other outpatient care centers	48,207	45,165	6.7	20,806	18,668	11.5	27,400	26,497	3.4
621491	HMO medical centers	16,479	15,455	6.6	2,308	1,719	34.3	14,171	13,736	3.2
621492	Kidney dialysis centers	6,412	5,694	12.6	5,696	5,051	12.8	716	643	11.3
621493	Freestanding ambulatory surgical and emergency centers	5,475	5,320	2.9	4,745	4,651	2.0	730	670	8.9
621498	All other outpatient care centers	19,841	18,696	6.1	8,057	7,247	11.2	11,784	11,449	2.9
6215	Medical and diagnostic laboratories	20,355	19,236	5.8	20,355	19,236	5.8	(X)	(X)	(X)
6216	Home health care services	30,583	31,942	-4.3	20,927	21,993	-4.8	9,656	9,949	-2.9
6219	Other ambulatory care services ¹	13,167	12,321	6.9	8,379	7,973	5.1	4,787	4,349	10.1
622	Hospitals	413,035	397,373	3.9	42,593	42,054	1.3	370,442	355,318	4.3
623	Nursing and residential care facilities	102,301	100,137	2.2	60,821	60,089	1.2	41,480	40,049	3.6
624	Social assistance ¹	72,928	66,821	9.1	21,615	19,176	12.7	51,313	47,646	7.7
6241	Individual and family services .	34,038	31,308	8.7	3,842	3,356	14.5	30,195	27,953	8.0

X Not applicable.

¹Estimates for NAICS 62191 (ambulance services) and NAICS 624229 (other community housing services) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-8.1 provides estimated measures of sampling variability (coefficients of variation). All firms in NAICS 6211, 6212, 6213, and 6215 are defined as taxable. Estimates for the nonemployer portion are derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level. Estimates for tax-exempt firms are derived only from a sample of employer firms. For taxable firms, data represent combined estimates for employers and nonemployers.

Table 8.2. Health Care and Social Assistance Services (NAICS 62)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998
62	Health care and social assistance	970,786	931,520	4.2	460,012	442,243	4.0	510,773	489,277	4.4
621	Ambulatory health care services .	390,511	374,348	4.3	342,972	328,083	4.5	47,539	46,265	2.8
6211	Offices of physicians	190,049	181,579	4.7	190,049	181,579	4.7	(X)	(X)	(X)
6212	Offices of dentists	54,592	51,476	6.1	54,592	51,476	6.1	(X)	(X)	(X)
6213	Offices of other health practitioners	30,902	30,018	2.9	30,902	30,018	2.9	(X)	(X)	(X)
62131	Offices of chiropractors	7,291	6,946	5.0	7,291	6,946	5.0	(X)	(X)	(X)
62132	Offices of optometrists	7,318	6,885	6.3	7,318	6,885	6.3	(X)	(X)	(X)
62133	Offices of mental health practitioners (except physicians)	2,773	2,667	4.0	2,773	2,667	4.0	(X)	(X)	(X)
62134	Offices of physical, occupational and speech therapists, and audiologists	8,574	9,003	-4.8	8,574	9,003	-4.8	(X)	(X)	(X)
62139	Offices of all other health practitioners	4,947	4,517	9.5	4,947	4,517	9.5	(X)	(X)	(X)
621391	Offices of podiatrists	2,457	2,410	1.9	2,457	2,410	1.9	(X)	(X)	(X)
621399	Offices of all other miscellaneous health practitioners	(S)	(S)	(S)	(S)	(S)	(S)	(X)	(X)	(X)
6214	Outpatient care centers	55,329	51,851	6.7	22,234	19,884	11.8	33,095	31,967	3.5
62141	Family planning centers	905	883	2.5	280	254	10.5	625	629	-0.7
62142	Outpatient mental health and substance abuse centers	6,820	6,349	7.4	1,750	1,507	16.1	5,071	4,841	4.7
62149	Other outpatient care centers	47,604	44,619	6.7	20,204	18,123	11.5	27,400	26,497	3.4
621491	HMO medical centers	16,457	15,437	6.6	2,286	1,701	34.4	14,171	13,736	3.2
621492	Kidney dialysis centers	6,320	5,615	12.6	5,604	4,972	12.7	716	643	11.3
621493	Freestanding ambulatory surgical and emergency centers	5,265	5,121	2.8	4,535	4,452	1.9	730	670	8.9
621498	All other outpatient care centers	19,562	18,447	6.0	7,778	6,998	11.1	11,784	11,449	2.9
6215	Medical and diagnostic laboratories	19,546	18,501	5.7	19,546	18,501	5.7	(X)	(X)	(X)
621511	Medical laboratories	11,790	11,243	4.9	11,790	11,243	4.9	(X)	(X)	(X)
621512	Diagnostic imaging centers .	7,757	7,258	6.9	7,757	7,258	6.9	(X)	(X)	(X)
6216	Home health care services ...	29,148	30,579	-4.7	19,492	20,630	-5.5	9,656	9,949	-2.9
6219	Other ambulatory care services	10,945	10,345	5.8	6,157	5,996	2.7	4,787	4,349	10.1
62191	Ambulance services ¹	4,594	4,609	-0.3	3,586	3,679	-2.5	1,009	930	8.4
62199	All other ambulatory health care services	6,351	5,736	10.7	2,572	2,317	11.0	3,779	3,419	10.5
622	Hospitals	413,035	397,373	3.9	42,593	42,054	1.3	370,442	355,318	4.3
6221	General medical and surgical hospitals	385,480	370,862	3.9	35,310	35,193	0.3	350,170	335,669	4.3
6222	Psychiatric and substance abuse hospitals	15,379	14,686	4.7	4,383	3,813	14.9	10,996	10,873	1.1
6223	Specialty (except psychiatric and substance abuse) hospitals	12,176	11,825	3.0	2,900	3,048	-4.9	9,276	8,777	5.7

See footnotes at end of table.

Table 8.2. Health Care and Social Assistance Services (NAICS 62)—Estimated Revenue for Employer Firms: 1998 and 1999—Con.

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998
623	Nursing and residential care facilities	101,049	98,984	2.1	59,569	58,935	1.1	41,480	40,049	3.6
6231	Nursing care facilities	63,128	63,085	0.1	46,270	46,721	-1.0	16,858	16,364	3.0
6232	Residential mental retardation, mental health and substance abuse facilities	13,113	12,479	5.1	3,906	3,721	5.0	9,207	8,759	5.1
62321	Residential mental retardation facilities	8,609	8,287	3.9	2,628	2,536	3.6	5,981	5,751	4.0
62322	Residential mental health and substance abuse facilities	4,504	4,192	7.4	1,278	1,185	7.9	3,226	3,007	7.3
6233	Community care facilities for the elderly	19,346	18,041	7.2	8,742	7,893	10.8	10,603	10,149	4.5
623311	Continuing Care Retirement Communities	11,221	10,723	4.6	2,960	2,793	6.0	8,261	7,930	4.2
623312	Homes for the elderly	8,125	7,318	11.0	5,782	5,099	13.4	2,343	2,218	5.6
6239	Other residential care facilities	5,462	5,379	1.6	651	601	8.3	4,811	4,778	0.7
624	Social assistance	66,191	60,816	8.8	14,878	13,170	13.0	51,313	47,646	7.7
6241	Individual and family services .	33,174	30,554	8.6	2,979	2,601	14.5	30,195	27,953	8.0
62411	Child and youth services ...	8,937	8,294	7.7	696	581	19.7	8,241	7,713	6.9
62412	Services for the elderly and persons with disabilities ...	10,259	9,566	7.2	862	794	8.5	9,397	8,772	7.1
62419	Other individual and family services	13,979	12,694	10.1	1,422	1,226	16.0	12,557	11,468	9.5
6242	Community food and housing, and emergency and other relief services	6,981	6,416	8.8	215	198	8.7	6,765	6,217	8.8
62421	Community food services ...	1,949	1,766	10.4	(S)	(S)	(S)	1,855	1,678	10.6
62422	Community housing services ¹	3,469	3,221	7.7	104	95	10.3	3,365	3,127	7.6
62423	Emergency and other relief services	1,563	1,428	9.4	(S)	(S)	(S)	1,545	1,413	9.4
6243	Vocational rehabilitation services	9,373	8,719	7.5	1,741	1,563	11.4	7,632	7,155	6.7
6244	Child day care services	16,663	15,127	10.2	9,943	8,807	12.9	6,720	6,320	6.3

X Not applicable. S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-8.2 provides estimated measures of sampling variability (coefficients of variation). All firms in NAICS 6211, 6212, 6213, and 6215 are defined as taxable.

Table 8.3. Health Care and Social Assistance Services (NAICS 62)—Estimated Expenses for Tax-Exempt Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
62	Health care and social assistance	480,175	456,282	5.2
621	Ambulatory health care services	46,903	45,502	3.1
6214	Outpatient care centers	32,733	31,500	3.9
62141	Family planning centers	554	526	5.5
62142	Outpatient mental health and substance abuse centers	5,038	4,787	5.2
62149	Other outpatient care centers	27,140	26,187	3.6
621491	HMO medical centers	14,069	13,682	2.8
621492	Kidney dialysis centers	639	597	7.1
621493	Freestanding ambulatory surgical and emergency centers	688	665	3.4
621498	All other outpatient care centers	11,744	11,243	4.5
6216	Home health care services	9,570	9,848	-2.8
6219	Other ambulatory care services	4,601	4,154	10.8
62191	Ambulance services ¹	885	832	6.4
62199	All other ambulatory health care services	3,715	3,322	11.8
622	Hospitals	344,603	328,110	5.0
6221	General medical and surgical hospitals	324,799	309,038	5.1
6222	Psychiatric and substance abuse hospitals	10,615	10,438	1.7
6223	Specialty (except psychiatric and substance abuse) hospitals	9,189	8,633	6.4
623	Nursing and residential care facilities	40,019	37,772	5.9
6231	Nursing care facilities	16,060	15,323	4.8
6232	Residential mental retardation, mental health and substance abuse facilities	8,979	8,451	6.3
62321	Residential mental retardation facilities	5,860	5,596	4.7
62322	Residential mental health and substance abuse facilities	3,120	2,855	9.3
6233	Community care facilities for the elderly	10,339	9,757	6.0
623311	Continuing care retirement communities	8,036	7,571	6.1
623312	Homes for the elderly	2,303	2,186	5.3
6239	Other residential care facilities	4,641	4,242	9.4
624	Social assistance	48,650	44,899	8.4
6241	Individual and family services	28,636	26,426	8.4
62411	Child and youth services	7,624	7,176	6.3
62412	Services for the elderly and persons with disabilities	8,872	8,338	6.4
62419	Other individual and family services	12,140	10,912	11.2
6242	Community food and housing, and emergency and other relief services	6,151	5,657	8.7
62421	Community food services	1,799	1,634	10.1
62422	Community housing services ¹	3,078	2,829	8.8
62423	Emergency and other relief services	1,274	1,194	6.7
6243	Vocational rehabilitation services	7,410	6,789	9.2
6244	Child day care services	6,453	6,027	7.1

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-8.3 provides estimated measures of sampling variability (coefficients of variation).

Table 8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Revenue for Employer Firms by Source: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OFFICES OF PHYSICIANS (NAICS 6211)			
Patient Care:			
Medicare	44,934	42,839	4.9
Medicaid	12,856	12,216	5.2
Other government (Veterans, NIH, Indian Affairs, etc.)	1,842	1,759	4.7
Worker's compensation	6,880	6,787	1.4
Private insurance	90,466	85,828	5.4
Patient (out-of-pocket)	21,258	20,507	3.7
All other patient care sources, not elsewhere classified	6,928	6,815	1.7
Nonpatient Care Revenue:			
All other sources	4,886	4,828	1.2
OFFICES OF DENTISTS (NAICS 6212)			
Patient Care:			
Medicare	(S)	(S)	(S)
Medicaid	1,209	1,168	3.5
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	28,395	26,599	6.8
Patient (out-of-pocket)	23,638	22,474	5.2
All other patient care sources, not elsewhere classified	472	436	8.2
Nonpatient care revenue:			
All other sources	(S)	(S)	(S)
OFFICES OF OTHER HEALTH PRACTITIONERS (NAICS 6213)			
Patient Care:			
Medicare	4,100	4,143	-1.1
Medicaid	1,682	1,888	-10.9
Other government (Veterans, NIH, Indian Affairs, etc.)	869	712	22.0
Worker's compensation	2,172	1,981	9.6
Private insurance	11,499	11,010	4.4
Patient (out-of-pocket)	7,611	7,227	5.3
All other patient care sources, not elsewhere classified	2,163	2,425	-10.8
Nonpatient Care Revenue:			
All other sources	808	632	27.8
OFFICES OF CHIROPRACTORS (NAICS 62131)			
Patient Care:			
Medicare	643	604	6.4
Medicaid	134	128	5.0
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	733	698	5.0
Private insurance	3,714	3,543	4.8
Patient (out-of-pocket)	1,768	1,643	7.6
All other patient care sources, not elsewhere classified	167	183	-8.7
Nonpatient Care Revenue:			
All other sources	116	131	-11.2
OFFICES OF OPTOMETRISTS (NAICS 62132)			
Patient Care:			
Medicare	742	685	8.2
Medicaid	301	287	5.0
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	2,417	2,216	9.1
Patient (out-of-pocket)	3,649	3,503	4.2
All other patient care sources, not elsewhere classified	156	146	7.4
Nonpatient Care Revenue:			
All other sources	(S)	(S)	(S)

See footnotes at end of table.

Table 8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Revenue for Employer Firms by Source: 1998 and 1999—Con.

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OFFICES OF MENTAL HEALTH PRACTITIONERS (EXCEPT PHYSICIANS) (NAICS 62133)			
Patient Care:			
Medicare	170	172	-1.0
Medicaid	239	212	12.8
Other government (Veterans, NIH, Indian Affairs, etc.)	538	456	18.1
Worker's compensation	(S)	(S)	(S)
Private insurance	808	884	-8.6
Patient (out-of-pocket)	546	524	4.2
All other patient care sources, not elsewhere classified	229	218	5.3
Nonpatient Care Revenue:			
All other sources	171	134	27.2
OFFICES OF PHYSICAL, OCCUPATIONAL AND SPEECH THERAPISTS, AND AUDIOLOGISTS (NAICS 62134)			
Patient Care:			
Medicare	1,439	1,606	-10.4
Medicaid	716	995	-28.0
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	1,186	1,065	11.4
Private insurance	2,750	2,686	2.4
Patient (out-of-pocket)	842	810	3.9
All other patient care sources, not elsewhere classified	1,266	1,563	-19.0
Nonpatient Care Revenue:			
All other sources	(S)	(S)	(S)
OFFICES OF PODIATRISTS (NAICS 621391)			
Patient Care:			
Medicare	820	811	1.1
Medicaid	111	108	2.2
Other government (Veterans, NIH, Indian Affairs, etc.)	24	22	9.0
Worker's compensation	55	53	4.0
Private insurance	1,100	1,076	2.2
Patient (out-of-pocket)	300	292	2.6
All other patient care sources, not elsewhere classified	(S)	(S)	(S)
Nonpatient Care Revenue:			
All other sources	(S)	(S)	(S)
OUTPATIENT CARE CENTERS (NAICS 6214)			
Patient Care:			
Medicare	10,630	9,884	7.6
Medicaid	6,442	5,904	9.1
Other government (Veterans, NIH, Indian Affairs, etc.)	2,456	2,287	7.4
Worker's compensation	1,205	1,173	2.7
Private insurance	18,714	17,405	7.5
Patient (out-of-pocket)	5,687	5,369	5.9
All other patient care sources, not elsewhere classified	4,775	4,677	2.1
Nonpatient Care Revenue:			
All other sources	5,420	5,152	5.2
OUTPATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTERS (NAICS 62142)			
Patient Care:			
Medicare	469	456	2.8
Medicaid	1,782	1,687	5.6
Other government (Veterans, NIH, Indian Affairs, etc.)	1,115	1,088	2.5
Worker's compensation	(S)	(S)	(S)
Private insurance	748	714	4.7
Patient (out-of-pocket)	467	430	8.5
All other patient care sources, not elsewhere classified	929	818	13.5
Nonpatient Care Revenue:			
All other sources	1,306	1,145	14.1

See footnotes at end of table.

Table 8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Revenue for Employer Firms by Source: 1998 and 1999—Con.

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OTHER OUTPATIENT CARE CENTERS (NAICS 62149)			
Patient Care:			
Medicare	10,158	9,424	7.8
Medicaid	4,571	4,132	10.6
Other government (Veterans, NIH, Indian Affairs, etc.)	1,283	1,142	12.3
Worker's compensation	1,199	1,162	3.2
Private insurance	17,856	16,599	7.6
Patient (out-of-pocket)	4,930	4,658	5.8
All other patient care sources, not elsewhere classified	3,779	3,813	-0.9
Nonpatient Care Revenue:			
All other sources	3,828	3,688	3.8
KIDNEY DIALYSIS CENTERS (NAICS 621492)			
Patient Care:			
Medicare	3,693	3,293	12.2
Medicaid	401	349	14.9
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	1,847	1,586	16.4
Patient (out-of-pocket)	(S)	(S)	(S)
All other patient care sources, not elsewhere classified	300	323	-7.2
Nonpatient Care Revenue:			
All other sources	(S)	(S)	(S)
FREESTANDING AMBULATORY SURGICAL AND EMERGENCY CENTERS (NAICS 621493)			
Patient Care:			
Medicare	1,133	1,078	5.1
Medicaid	262	252	4.1
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	285	272	4.9
Private insurance	2,341	2,286	2.4
Patient (out-of-pocket)	601	538	11.7
All other patient care sources, not elsewhere classified	471	537	-12.3
Nonpatient Care Revenue:			
All other sources	131	118	11.0
ALL OTHER OUTPATIENT CARE CENTERS (NAICS 621498)			
Patient Care:			
Medicare	2,681	2,563	4.6
Medicaid	2,733	2,506	9.1
Other government (Veterans, NIH, Indian Affairs, etc.)	855	812	5.2
Worker's compensation	874	848	3.0
Private insurance	5,549	4,958	11.9
Patient (out-of-pocket)	1,786	1,780	0.4
All other patient care sources, not elsewhere classified	1,526	1,549	-1.5
Nonpatient Care Revenue:			
All other sources	3,559	3,431	3.7
HOME HEALTH CARE SERVICES (NAICS 6216)			
Patient Care:			
Medicare	10,714	12,162	-11.9
Medicaid	7,074	6,858	3.2
Other government (Veterans, NIH, Indian Affairs, etc.)	392	396	-0.9
Worker's compensation	(S)	(S)	(S)
Private insurance	5,069	5,234	-3.1
Patient (out-of-pocket)	2,640	2,813	-6.2
All other patient care sources, not elsewhere classified	2,113	2,120	-0.3
Nonpatient Care Revenue:			
All other sources	1,082	935	15.7

See footnotes at end of table.

Table 8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Revenue for Employer Firms by Source: 1998 and 1999—Con.

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
OTHER AMBULATORY CARE SERVICES (NAICS 6219)¹			
Patient Care:			
Medicare	1,504	1,647	-8.7
Medicaid	450	477	-5.7
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	1,803	1,601	12.6
Patient (out-of-pocket)	652	606	7.6
All other patient care sources, not elsewhere classified	3,382	3,244	4.3
Nonpatient Care Revenue:			
All other sources	2,969	2,558	16.1
HOSPITALS (NAICS 622)			
Patient Care:			
Medicare	134,311	132,174	1.6
Medicaid	50,050	47,250	5.9
Other government (Veterans, NIH, Indian Affairs, etc.)	21,648	21,349	1.4
Worker's compensation	4,614	4,635	-0.5
Private insurance	143,402	135,269	6.0
Patient (out-of-pocket)	22,383	20,943	6.9
All other patient care sources, not elsewhere classified	13,237	13,251	-0.1
Nonpatient Care Revenue:			
All other sources	23,389	22,501	3.9
NURSING AND RESIDENTIAL CARE FACILITIES (NAICS 623)			
Patient Care:			
Medicare	11,670	12,891	-9.5
Medicaid	41,645	39,879	4.4
Other government (Veterans, NIH, Indian Affairs, etc.)	5,988	5,600	6.9
Worker's compensation	(S)	(S)	(S)
Private insurance	6,193	5,976	3.6
Payment from patients and their families	23,003	22,116	4.0
Patients' assigned social security benefits	2,287	2,220	3.0
All other patient care sources, not elsewhere classified	3,095	2,972	4.1
Nonpatient Care Revenue:			
All other sources	7,140	7,305	-2.3
Nursing care facilities (NAICS 6231)			
Patient Care:			
Medicare	9,835	11,092	-11.3
Medicaid	33,067	31,891	3.7
Other government (Veterans, NIH, Indian Affairs, etc.)	366	396	-7.6
Worker's compensation	(S)	(S)	(S)
Private insurance	5,232	5,046	3.7
Payment from patients and their families	11,120	11,020	0.9
Patients' assigned social security benefits	1,160	1,144	1.4
All other patient care sources, not elsewhere classified	785	835	-5.9
Nonpatient Care Revenue:			
All other sources	1,550	1,654	-6.3
RESIDENTIAL MENTAL RETARDATION, MENTAL HEALTH AND SUBSTANCE ABUSE FACILITIES (NAICS 6232)			
Patient Care:			
Medicare	634	616	2.9
Medicaid	5,412	5,106	6.0
Other government (Veterans, NIH, Indian Affairs, etc.)	3,072	2,935	4.7
Worker's compensation	(S)	(S)	(S)
Private insurance	520	482	7.9
Payment from patients and their families	793	756	4.9
Patients' assigned social security benefits	455	447	1.8
All other patient care sources, not elsewhere classified	731	688	6.3
Nonpatient Care Revenue:			
All other sources	1,481	1,432	3.4

See footnotes at end of table.

Table 8.4. **Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Revenue for Employer Firms by Source: 1998 and 1999—Con.**

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
COMMUNITY CARE FACILITIES FOR THE ELDERLY (NAICS 6233)			
Patient Care:			
Medicare	1,081	1,058	2.2
Medicaid	2,593	2,368	9.5
Other government (Veterans, NIH, Indian Affairs, etc.)	445	364	22.1
Worker's compensation	(S)	(S)	(S)
Private insurance	420	436	-3.6
Payment from patients and their families	10,953	10,213	7.2
Patients' assigned social security benefits	595	576	3.3
All other patient care sources, not elsewhere classified	877	816	7.5
Nonpatient Care Revenue:			
All other sources	2,381	2,209	7.8

S Data do not meet publication standards because of high sampling variability or poor response quality. Some unpublished estimates can be derived from this table by subtracting published data from their respective totals. However, the figures obtained by such subtraction are subject to these same limitations. These unpublished data are for internal use only.

¹Estimates for NAICS 62191 (ambulance services) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-8.4 provides estimated measures of sampling variability (coefficients of variation).

Table 8.5. Medical and Diagnostic Laboratories (NAICS 6215)—Estimated Revenue for Employer Firms by Source: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

Item	1999	1998	Percent change 1999/1998
MEDICAL AND DIAGNOSTIC LABORATORIES (NAICS 6215)			
Patient Care			
From health care provider:			
Health practitioners	1,494	1,356	10.2
Hospitals	2,372	2,501	-5.2
Outpatient care facilities	364	376	-3.1
All other providers	679	659	3.0
Directly from individuals or insurers:			
Medicare	3,292	3,015	9.2
Medicaid	819	719	14.0
Other government (Veteran's, NIH, Indian Affairs, etc.)	79	70	12.9
Worker's compensation	326	297	9.4
Private insurance	7,404	6,909	7.2
Patient (out-of-pocket)	1,730	1,612	7.3
Non-Patient care revenue:			
All other sources, not elsewhere classified	986	987	-0.1

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-8.5 provides estimated measures of sampling variability (coefficients of variation).

Chapter 9. Arts, Entertainment, and Recreation Services

Table 9.1. Arts, Entertainment, and Recreation Services (NAICS 71)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998
71	Arts, entertainment, and recreation	131,174	124,141	5.7	109,927	104,193	5.5	21,247	19,948	6.5
711	Performing arts, spectator sports, and related industries	52,157	50,413	3.5	47,070	45,603	3.2	5,088	4,811	5.8
7111	Performing arts companies ¹ ..	9,283	9,060	2.5	5,925	5,857	1.2	3,358	3,203	4.8
7112	Spectator sports	17,200	16,264	5.8	17,200	16,264	5.8	(X)	(X)	(X)
7113	Promoters of performing arts, sports, and similar events ...	7,974	7,385	8.0	6,245	5,778	8.1	1,729	1,608	7.6
7114	Agents and managers for artists, athletes, entertainers, and other public figures	3,788	3,504	8.1	3,788	3,504	8.1	(X)	(X)	(X)
7115	Independent artists, writers, and performers	13,912	14,200	-2.0	13,912	14,200	-2.0	(X)	(X)	(X)
712	Museums, historical sites, and similar institutions	7,668	7,222	6.2	746	624	19.7	6,922	6,599	4.9
713	Amusement, gambling, and recreation industries ²	71,349	66,505	7.3	62,111	57,967	7.1	9,238	8,538	8.2
7131	Amusement parks and arcades	9,076	8,943	1.5	9,076	8,943	1.5	(X)	(X)	(X)
7132	Gambling industries	17,360	15,972	8.7	17,360	15,972	8.7	(X)	(X)	(X)
7139	Other amusement and recreation industries	44,912	41,590	8.0	35,675	33,052	7.9	9,238	8,538	8.2

X Not applicable.

¹Estimates for NAICS 71113 (musical group and artist) and NAICS 71119 (other performing arts companies) have not been adjusted to the results of the 1997 Economic Census.

²Estimates for NAICS 71393 (marinas) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-9.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 9.2. Arts, Entertainment, and Recreation Services (NAICS 71)—Estimated Revenue for Taxable and Tax-Exempt Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998
71	Arts, entertainment, and recreation	115,366	108,644	6.2	94,119	88,696	6.1	21,247	19,948	6.5
711	Performing arts, spectator sports, and related industries	41,141	39,334	4.6	36,053	34,524	4.4	5,088	4,811	5.8
7111	Performing arts companies ¹ ..	8,816	8,618	2.3	5,458	5,415	0.8	3,358	3,203	4.8
7112	Spectator sports	15,765	14,871	6.0	15,765	14,871	6.0	(X)	(X)	(X)
711211	Sports teams and clubs	8,973	8,537	5.1	8,973	8,537	5.1	(X)	(X)	(X)
711212	Racetracks	5,106	4,599	11.0	5,106	4,599	11.0	(X)	(X)	(X)
711219	Other spectator sports	1,686	1,734	-2.8	1,686	1,734	-2.8	(X)	(X)	(X)
7113	Promoters of performing arts, sports, and similar events ...	7,168	6,665	7.5	5,438	5,057	7.5	1,729	1,608	7.6
7114	Agents and managers for artists, athletes, entertainers, and other public figures	3,054	2,824	8.1	3,054	2,824	8.1	(X)	(X)	(X)
7115	Independent artists, writers, and performers	6,338	6,356	-0.3	6,338	6,356	-0.3	(X)	(X)	(X)
712	Museums, historical sites, and similar institutions	7,625	7,180	6.2	703	582	20.8	6,922	6,599	4.9
713	Amusement, gambling, and recreation industries	66,601	62,129	7.2	57,363	53,590	7.0	9,238	8,538	8.2
7131	Amusement parks and arcades	8,683	8,525	1.9	8,683	8,525	1.9	(X)	(X)	(X)
71311	Amusement and theme parks	7,512	7,335	2.4	7,512	7,335	2.4	(X)	(X)	(X)
71312	Amusement arcades	1,171	1,191	-1.7	1,171	1,191	-1.7	(X)	(X)	(X)
7132	Gambling industries	16,955	15,597	8.7	16,955	15,597	8.7	(X)	(X)	(X)
71321	Casinos (except casino hotels)	11,752	10,698	9.9	11,752	10,698	9.9	(X)	(X)	(X)
71329	Other gambling industries ..	5,204	4,899	6.2	5,204	4,899	6.2	(X)	(X)	(X)
7139	Other amusement and recreation industries	40,963	38,007	7.8	31,725	29,468	7.7	9,238	8,538	8.2
71391	Golf courses and country clubs	16,116	14,737	9.4	10,099	9,072	11.3	6,017	5,665	6.2
71392	Skiing facilities	1,372	1,335	2.8	1,372	1,335	2.8	(X)	(X)	(X)
71393	Marinas ²	3,037	2,832	7.2	3,037	2,832	7.2	(X)	(X)	(X)
71394	Fitness and recreational sports centers	11,836	10,860	9.0	9,292	8,629	7.7	2,544	2,231	14.0
71395	Bowling centers	2,949	2,819	4.6	2,949	2,819	4.6	(X)	(X)	(X)
71399	All other amusement and recreation industries	5,654	5,425	4.2	4,977	4,783	4.1	677	643	5.4

X Not applicable.

¹Estimates for NAICS 71113 (musical group and artist) and NAICS 71119 (other performing arts companies) have not been adjusted to the results of the 1997 Economic Census.

²Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-9.2 provides estimated measures of sampling variability (coefficients of variation).

Table 9.3. Arts, Entertainment, and Recreation Services (NAICS 71)—Estimated Expenses for Tax-Exempt Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of Business	1999	1998	Percent change 1999/1998
71	Arts, entertainment, and recreation	18,981	17,674	7.4
711	Performing arts, spectator sports, and related industries	4,837	4,498	7.5
7111	Performing arts companies ¹	3,224	2,976	8.4
7113	Promoters of performing arts, sports, and similar events	1,613	1,523	5.9
712	Museums, historical sites, and similar institutions	5,405	5,056	6.9
713	Amusement, gambling, and recreation industries	8,739	8,120	7.6
7139	Other amusement and recreation industries ²	8,739	8,120	7.6
71391	Golf courses and country clubs	5,738	5,393	6.4
71394	Fitness and recreational sports centers	2,363	2,117	11.6
71399	All other amusement and recreation industries	637	610	4.5

¹Estimates for NAICS 71113 (musical group and artist) and NAICS 71119 (other performing arts companies) have not been adjusted to the results of the 1997 Economic Census.

²Estimates for NAICS 71393 (marinas) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-9.3 provides estimated measures of sampling variability (coefficients of variation).

Chapter 10. Other Services

Table 10.1. Other Services (NAICS 81)—Estimated Revenue for Employer and Nonemployer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
81	Other services (except public administration, religious, labor, and political organizations, and private households)	354,667	334,012	6.2
811	Repair and maintenance	139,926	133,800	4.6
8111	Automotive repair and maintenance	81,862	77,969	5.0
81111	Automotive mechanical and electrical repair and maintenance ..	42,763	41,416	3.3
81112	Automotive body, paint, interior, and glass repair	26,904	25,435	5.8
81119	Other automotive repair and maintenance	12,196	11,119	9.7
8112	Electronic and precision equipment repair and maintenance ¹	18,769	17,598	6.7
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	21,188	21,179	(Z)
8114	Personal and household goods repair and maintenance	18,107	17,053	6.2
81141	Home and garden equipment and appliance repair and maintenance	6,484	6,074	6.7
81142	Reupholstery and furniture repair	2,363	2,142	10.3
81143	Footwear and leather goods repair	397	383	3.7
81149	Other personal and household goods repair and maintenance ..	8,864	8,456	4.8
812	Personal and laundry services	95,114	88,511	7.5
8121	Personal care services	26,730	25,050	6.7
81211	Hair, nail, and skin care services	22,824	21,504	6.1
812111	Barber shops	2,044	1,850	10.5
812112	Beauty salons	19,264	18,246	5.6
812113	Nail salons	1,516	1,409	7.6
81219	Other personal care services	3,905	3,546	10.1
8122	Death care services	13,968	13,760	1.5
81221	Funeral homes and funeral services	11,012	10,857	1.4
81222	Cemeteries and crematories	2,956	2,903	1.8
8123	Drycleaning and laundry services	21,860	20,497	6.6
81231	Coin-operated laundries and drycleaners	4,028	3,607	11.7
81232	Drycleaning and laundry services (except coin-operated)	8,832	8,353	5.7
81233	Linen and uniform supply	8,999	8,537	5.4
8129	Other personal services	32,557	29,204	11.5
81292	Photofinishing	5,931	5,822	1.9
81293	Parking lots and garages	7,000	6,431	8.9
81299	All other personal services	19,626	16,951	15.8
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations) ²	119,627	111,702	7.1

Z Less than .05 percent.

¹Estimates for NAICS 811219 (other electronics and precision equipment repair and maintenance) have not been adjusted to the results of the 1997 Economic Census.

²Estimates for NAICS 813211 (grantmaking foundations) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-10.1 provides estimated measures of sampling variability (coefficients of variation). The nonemployer portion of the estimates was derived from administrative records data provided by other federal agencies. These data are available only at the total revenue level.

Table 10.2. Other Services (NAICS 81)—Estimated Revenue for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
81	Other services (except public administration, religious, labor, and political organizations, and private households)	304,217	288,348	5.5
811	Repair and maintenance	119,480	114,753	4.1
8111	Automotive repair and maintenance	70,495	67,335	4.7
81111	Automotive mechanical and electrical repair and maintenance	36,941	35,767	3.3
811111	General automotive repair	29,127	27,633	5.4
811112	Automotive exhaust system repair	1,855	1,918	-3.3
811113	Automotive transmission repair	2,443	2,468	-1.0
811118	Other automotive mechanical and electrical repair and maintenance	3,515	3,748	-6.2
81112	Automotive body, paint, interior, and glass repair	23,969	22,789	5.2
811121	Automotive body, paint, and interior repair and maintenance	20,404	19,320	5.6
811122	Automotive glass replacement shops	3,565	3,470	2.8
81119	Other automotive repair and maintenance	9,585	8,778	9.2
811191	Automotive oil change and lubrication shops	2,988	2,938	1.7
811192	Carwashes	5,264	4,625	13.8
811198	All other automotive repair and maintenance	1,333	1,216	9.7
8112	Electronic and precision equipment repair and maintenance	17,355	16,247	6.8
811211	Consumer electronics repair and maintenance	1,490	1,517	-1.8
811212	Computer and office machine repair and maintenance	10,231	9,593	6.7
811213	Communication equipment repair and maintenance	1,871	1,710	9.5
811219	Other electronic and precision equipment repair and maintenance ¹	3,763	3,427	9.8
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	19,315	19,381	-0.3
8114	Personal and household goods repair and maintenance	12,316	11,790	4.5
81141	Home and garden equipment and appliance repair and maintenance	5,428	5,116	6.1
81142	Reupholstery and furniture repair	1,575	1,445	9.0
81143	Footwear and leather goods repair	266	260	2.3
81149	Other personal and household goods repair and maintenance	5,047	4,969	1.6
812	Personal and laundry services	65,110	61,893	5.2
8121	Personal care services	15,930	15,322	4.0
81211	Hair, nail, and skin care services	13,172	12,775	3.1
812111	Barber shops	470	443	6.2
812112	Beauty salons	12,168	11,822	2.9
812113	Nail salons	534	510	4.8
81219	Other personal care services	2,758	2,547	8.3
812191	Diet and weight reducing centers	1,327	1,229	7.9
812199	All other personal care services	1,431	1,318	8.6
8122	Death care services	13,340	13,175	1.3
81221	Funeral homes and funeral services	10,450	10,335	1.1
81222	Cemeteries and crematories	2,890	2,841	1.7
8123	Drycleaning and laundry services	20,093	18,929	6.2
81231	Coin-operated laundries and drycleaners	3,236	2,931	10.4
81232	Drycleaning and laundry services (except coin-operated)	7,919	7,521	5.3
81233	Linen and uniform supply	8,938	8,478	5.4
812331	Linen supply	3,095	3,006	3.0
812332	Industrial launderers	5,843	5,472	6.8
8129	Other personal services	15,746	14,467	8.8
81292	Photofinishing	5,652	5,577	1.3
81293	Parking lots and garages	6,743	6,211	8.6
81299	All other personal services	3,351	2,679	25.1
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	119,627	111,702	7.1
8132	Grantmaking and giving services ²	57,667	52,213	10.4
8133	Social advocacy organizations	9,882	8,877	11.3
8134	Civic and social organizations	11,408	10,908	4.6
8139	Business, professional, and other organizations (except labor and political organizations)	40,670	39,704	2.4

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

²Estimates for NAICS 813211 (grantmaking foundations) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-10.2 provides estimated measures of sampling variability (coefficients of variation).

Table 10.3. Other Services (NAICS 81)—Estimated Revenue for Taxable Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
81	Other services (except public administration, religious, labor, and political organizations, and private households)	184,590	176,646	4.5
811	Repair and maintenance	119,480	114,753	4.1
8111	Automotive repair and maintenance	70,495	67,335	4.7
81111	Automotive mechanical and electrical repair and maintenance ..	36,941	35,767	3.3
811111	General automotive repair	29,127	27,633	5.4
811112	Automotive exhaust system repair	1,855	1,918	-3.3
811113	Automotive transmission repair	2,443	2,468	-1.0
811118	Other automotive mechanical and electrical repair and maintenance	3,515	3,748	-6.2
81112	Automotive body, paint, interior, and glass repair	23,969	22,789	5.2
811121	Automotive body, paint, and interior repair and maintenance ..	20,404	19,320	5.6
811122	Automotive glass replacement shops	3,565	3,470	2.8
81119	Other automotive repair and maintenance	9,585	8,778	9.2
811191	Automotive oil change and lubrication shops	2,988	2,938	1.7
811192	Carwashes	5,264	4,625	13.8
811198	All other automotive repair and maintenance	1,333	1,216	9.7
8112	Electronic and precision equipment repair and maintenance	17,355	16,247	6.8
811211	Consumer electronics repair and maintenance	1,490	1,517	-1.8
811212	Computer and office machine repair and maintenance	10,231	9,593	6.7
811213	Communication equipment repair and maintenance	1,871	1,710	9.5
811219	Other electronic and precision equipment repair and maintenance ¹	3,763	3,427	9.8
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	19,315	19,381	-0.3
8114	Personal and household goods repair and maintenance	12,316	11,790	4.5
81141	Home and garden equipment and appliance repair and maintenance	5,428	5,116	6.1
81142	Reupholstery and furniture repair	1,575	1,445	9.0
81143	Footwear and leather goods repair	266	260	2.3
81149	Other personal and household goods repair and maintenance ..	5,047	4,969	1.6
812	Personal and laundry services	65,110	61,893	5.2
8121	Personal care services	15,930	15,322	4.0
81211	Hair, nail, and skin care services	13,172	12,775	3.1
812111	Barber shops	470	443	6.2
812112	Beauty salons	12,168	11,822	2.9
812113	Nail salons	534	510	4.8
81219	Other personal care services	2,758	2,547	8.3
812191	Diet and weight reducing centers	1,327	1,229	7.9
812199	All other personal care services	1,431	1,318	8.6
8122	Death care services	13,340	13,175	1.3
81221	Funeral homes and funeral services	10,450	10,335	1.1
81222	Cemeteries and crematories	2,890	2,841	1.7
8123	Drycleaning and laundry services	20,093	18,929	6.2
81231	Coin-operated laundries and drycleaners	3,236	2,931	10.4
81232	Drycleaning and laundry services (except coin-operated)	7,919	7,521	5.3
81233	Linen and uniform supply	8,938	8,478	5.4
812331	Linen supply	3,095	3,006	3.0
812332	Industrial launderers	5,843	5,472	6.8
8129	Other personal services	15,746	14,467	8.8
81292	Photofinishing	5,652	5,577	1.3
81293	Parking lots and garages	6,743	6,211	8.6
81299	All other personal services	3,351	2,679	25.1

¹Estimates have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-10.3 provides estimated measures of sampling variability (coefficients of variation).

Table 10.4. Other Services (NAICS 81)—Estimated Revenue and Expenses for Tax-Exempt Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS). Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census]

NAICS code	Kind of business	Revenue			Expenses		
		1999	1998	Percent change 1999/1998	1999	1998	Percent change 1999/1998
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	119,627	111,702	7.1	86,057	81,078	6.1
8132	Grantmaking and giving services ¹	57,667	52,213	10.4	30,181	27,134	11.2
8133	Social advocacy organizations	9,882	8,877	11.3	8,578	7,716	11.2
8134	Civic and social organizations	11,408	10,908	4.6	10,310	9,851	4.7
8139	Business, professional, and other organizations (except labor and political organizations)	40,670	39,704	2.4	36,989	36,377	1.7

¹Estimates for NAICS 813211 (grantmaking foundations) have not been adjusted to the results of the 1997 Economic Census.

Note: Estimates are not adjusted for price changes. Detail may not add to total due to rounding. Appendix A, Table A-10.4 provides estimated measures of sampling variability (coefficients of variation).

Appendix A.

Measures of Sampling Variability

RELIABILITY OF THE ESTIMATES

An estimate based on a sample survey potentially contains two types of errors - sampling and nonsampling. Sampling error occurs because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities “bias” and “variance”. The *bias* of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. The *variance* of an estimator is the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value.

Descriptions of sampling and nonsampling errors for the Service Annual Survey are provided in the following sections.

Sampling Error

Because the estimates are based on a sample, exact agreement with results that would be obtained from a complete enumeration of firms represented on the sampling frame using the same enumeration procedures is not expected. However, because each firm in the sampling frame has a known probability of being selected into the sample, it is possible to estimate the sampling variability of the survey estimates.

The particular sample used in this survey is one of a large number of samples of the same size that could have been selected using the same design. If all possible samples had been surveyed under the same conditions, an estimate of an unknown population value could have been obtained from each sample. These samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The *standard error* is defined as the square root of the variance. The *coefficient of variation* (or relative standard error) of an estimator is the standard error of the estimator divided by the estimator. Note that measures of sampling variability, such as the standard error or coefficient of variation, are estimated

from the sample and are also subject to sampling variability. (Technically, we should refer to the *estimated* standard error or the *estimated* coefficient of variation of an *estimator*. However, for the sake of brevity, we have omitted this detail.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any systematic biases in the estimates. Coefficients of variation for dollar volume estimates and estimated ratios are shown in Tables A-1.1 through A-10.4. (All coefficients of variation are expressed as percents.)

The estimate from a particular sample and the standard error associated with the estimate can be used to construct a confidence interval. A *confidence interval* is a range about a given estimator that has a specified probability of containing the estimator’s corresponding, unknown population value. Associated with each interval is a percentage of confidence, which is interpreted as follows. If, for each possible sample, an estimate of an unknown population value and its approximate standard error were obtained, then:

1. In about 90 out of 100 (90 percent) of these possible samples, the estimates would differ from the results of a complete enumeration by less than 1.645 times the standard error.
2. In about 95 out of 100 (95 percent) of these possible samples, the estimates would differ from the results of a complete enumeration by less than 2 times the standard error.

To illustrate the computation of a confidence interval for an estimate of total revenue, assume that an estimate of total revenue is \$10,750 million and the coefficient of variation for this estimate is 1.8 percent, or 0.018. First, obtain the standard error of the estimate by multiplying the total revenue estimate by its coefficient of variation. For this example, multiply \$10,750 million by 0.018. This yields a standard error of \$193.5 million. The upper and lower bounds of the 90-percent confidence interval are computed as \$10,750 million plus or minus 1.645 times \$193.5 million. Consequently, the 90-percent confidence interval is \$10,431 million to \$11,069 million. If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 9 out of 10 (90 percent) of these intervals would contain the results obtained from a complete enumeration.

Nonsampling Error

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes at some point in the survey process. In the Service Annual Survey, nonsampling error can be attributed to many sources: inability to obtain information about all units in the sample; response errors; differences in the interpretation of the questions; mistakes in coding or keying the data obtained; and other errors of collection, response, coverage, and processing. Additional nonsampling error may have been introduced by the method used to adjust the survey estimates to results of the 1997 Economic Census. Although no direct measurement of the potential biases due to nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to

minimize their influence. A potential source of bias in the estimates is nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses about all selected firms. Two types of nonresponse are often distinguished. *Unit nonresponse* is used to describe the inability to obtain any of the substantive measurements about a sampled firm. In most cases of unit nonresponse, the questionnaire was never returned to the Census Bureau, after several attempts to elicit a response. *Item nonresponse* occurs either when a question is unanswered or the response to the question fails computer or analyst edits.

For both unit and item nonresponse, a missing value is replaced by a predicted value obtained from an appropriate model for nonresponse. This procedure is called *imputation*. Imputed revenue amounts to about 11 percent of the total services revenue estimate.

Table A-1.1. Selected Service Industries—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
	Total for selected service industries	0.4	0.4	0.1
484	Truck transportation	1.4	1.1	0.6
492	Couriers and messengers	1.5	1.5	0.4
493	Warehousing and storage	2.4	0.9	1.8
51	Information	0.4	0.3	0.2
511	Publishing industries	0.8	0.6	0.6
512	Motion picture and sound recording industries	1.4	1.3	0.6
513	Broadcasting and telecommunications	0.5	0.3	0.4
514	Information services and data processing services	1.2	0.5	1.0
5231	Securities and commodity contracts intermediation and brokerage	1.4	1.1	0.6
532	Rental and leasing services	1.2	0.9	0.8
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	0.9	0.7	0.7
56	Administrative and support and waste management and remediation services (except landscaping services)	1.3	0.8	0.7
561	Administrative and support services	1.5	1.0	0.8
562	Waste management and remediation services	2.0	2.0	0.5
62	Health care and social assistance	0.7	0.6	0.2
621	Ambulatory health care services	0.9	0.7	0.4
622	Hospitals	1.2	1.3	0.2
623	Nursing and residential care facilities	1.4	1.5	0.7
624	Social assistance	1.8	1.5	0.8
71	Arts, entertainment, and recreation	1.4	1.3	0.4
711	Performing arts, spectator sports, and related industries	3.1	3.1	0.5
712	Museums, historical sites, and similar institutions	3.6	4.5	2.3
713	Amusement, gambling, and recreation industries	1.4	1.2	0.7
81	Other services (except public administration, religious, labor, and political organizations, and private households)	1.4	1.2	0.6
811	Repair and maintenance	1.5	1.0	1.0
812	Personal and laundry services	1.0	0.7	0.6
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	3.5	3.4	0.9

Table A-1.2. **Measures of Sampling Variability—Selected Service Industries Revenue—Total and E-Commerce: 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Description	Coefficient of variation (percent) for value of revenue		Standard error for estimate of—	
		Total	E-commerce	E-commerce as percent of total revenue	Percent distribution of e-commerce revenue
	Total for selected service industries	0.4	2.5	(Z)	(NA)
48, 49	Selected transportation and warehousing ¹	1.3	3.1	(Z)	0.4
484	Truck transportation	1.6	10.1	(Z)	0.3
492	Couriers and messengers	1.6	2.3	0.1	0.3
493	Warehousing and storage	2.4	(S)	(S)	(S)
51	Information	0.4	2.7	(Z)	0.9
511	Publishing industries	0.8	9.9	0.1	1.0
51419	Online information services	2.2	2.9	0.6	0.2
52	Selected finance ²	1.5	0.1	(Z)	0.4
5231	Securities and commodity contracts intermediation and brokerage	1.4	0.1	(Z)	0.4
532	Rental and leasing services	1.2	(S)	(S)	(S)
54	Selected professional, scientific, and technical services ³	1.0	4.4	(Z)	0.7
5415	Computer systems design and related services	2.9	6.6	0.1	0.7
56	Selected administrative and support and waste management and remediation services ⁴	1.3	2.6	0.1	0.9
5615	Travel arrangement and reservation services	2.4	3.3	0.8	0.8
71	Arts, entertainment, and recreation services	1.6	(S)	(S)	(S)
72	Accommodation and foodservices	0.6	(S)	(S)	(S)
81	Selected other services ⁵	1.6	4.8	(Z)	0.1
811	Repair and maintenance	1.7	10.6	(Z)	0.1
813	Religious, grantmaking, civic, professional, and similar organizations	3.5	9.8	(Z)	0.1

NA Not applicable. S Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit www.census.gov/estats. Z Percent is less than 0.05 percent.

¹Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

²Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

³Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

⁴Excludes NAICS 56173 (landscaping services).

⁵Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Source: U.S. Census Bureau, 1999 Service Annual Survey.

Table A-1.3. **Measures of Sampling Variability—Selected Service Industries Revenue—Total and E-Commerce: 1998**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Description	Coefficient of variation (percent) for value of revenue		Standard error for estimate of—	
		Total	E-commerce	E-commerce as percent of total revenue	Percent distribution of e-commerce revenue
	Total for selected service industries	0.4	1.9	(Z)	NA
48, 49	Selected transportation and warehousing ¹	1.0	3.4	(Z)	0.6
484	Truck transportation	1.3	10.2	(Z)	0.4
492	Couriers and messengers	1.6	2.3	0.1	0.3
493	Warehousing and storage	0.9	(S)	(S)	(S)
51	Information	0.3	2.7	(Z)	1.0
511	Publishing industries	0.6	13.1	0.1	1.0
51419	Online information services	1.8	2.3	0.6	0.1
52	Selected finance ²	1.5	3.4	(Z)	0.5
5231	Securities and commodity contracts intermediation and brokerage	1.1	(Z)	(Z)	0.3
532	Rental and leasing services	0.9	(S)	(S)	(S)
54	Selected professional, scientific, and technical services ³	0.8	4.9	(Z)	0.7
5415	Computer systems design and related services	2.2	7.7	0.1	0.7
56	Selected administrative and support and waste management and remediation services ⁴	0.8	3.0	(Z)	0.8
5615	Travel arrangement and reservation services	1.9	3.4	0.7	0.8
62	Health care and social assistance services	0.6	(S)	(S)	(S)
71	Arts, entertainment, and recreation services	1.5	(S)	(S)	(S)
72	Accommodation and foodservices	0.4	(S)	(S)	(S)
81	Selected other services ⁵	1.4	6.1	(Z)	0.1
811	Repair and maintenance	1.2	8.6	(Z)	0.1
813	Religious, grantmaking, civic, professional, and similar organizations	3.4	12.5	(Z)	0.1

S Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit www.census.gov/estats. NA Not applicable. (Z) Percent is less than 0.05 percent.

¹Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

²Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

³Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

⁴Excludes NAICS 56173 (landscaping services).

⁵Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Source: U.S. Census Bureau, 1998 Service Annual Survey.

Table A-2.1. Truck Transportation (NAICS 484), Couriers and Messengers (NAICS 492), and Warehousing and Storage (NAICS 493)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
48, 49 (pt.)	Selected transportation industries¹	1.1	0.9	0.5
484	Truck transportation	1.4	1.1	0.6
4841	General freight trucking	0.9	0.7	0.6
48411	General freight trucking, local	3.8	3.4	1.9
48412	General freight trucking, long-distance	1.2	0.9	0.6
4842	Specialized freight trucking	2.8	2.6	1.2
492	Couriers and messengers	1.5	1.5	0.4
4921	Couriers	1.5	1.5	0.5
4922	Local messengers and local delivery	4.9	4.9	2.5
493	Warehousing and storage	2.4	0.9	1.8

¹Excludes NAICS 481 (air transportation), NAICS 483 (water transportation), NAICS 485 (transit and ground passenger transportation), NAICS 486 (pipeline transportation), NAICS 487 (scenic and sightseeing transportation), NAICS 488 (support activities for transportation), and NAICS 491 (postal service).

Table A-2.2. Truck Transportation (NAICS 484), Couriers and Messengers (NAICS 492), and Warehousing and Storage (NAICS 493)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
48, 49 (pt.)	Selected transportation industries¹	1.3	1.0	0.6
484	Truck transportation	1.6	1.3	0.7
4841	General freight trucking	1.1	0.8	0.7
48411	General freight trucking, local	5.5	5.0	2.8
48412	General freight trucking, long-distance	1.4	1.1	0.7
484121	General freight trucking, long-distance, truckload	1.8	1.4	1.0
484122	General freight trucking, long-distance, less than truckload	1.8	1.1	1.1
4842	Specialized freight trucking	2.9	2.7	1.3
48421	Used household and office goods moving	2.0	1.9	2.2
48422	Specialized freight (except used goods) trucking, local	7.4	6.9	2.7
48423	Specialized freight (except used goods) trucking, long-distance	2.9	2.2	1.4
492	Couriers and messengers	1.6	1.6	0.4
4921	Couriers	1.5	1.5	0.5
4922	Local messengers and local delivery	6.4	6.5	3.8
493	Warehousing and storage	2.4	0.9	1.9
4931	Warehousing and storage	2.4	0.9	1.9
49311	General warehousing and storage	3.1	1.5	2.7
49312	Refrigerated warehousing and storage	4.6	3.3	2.0
49313	Farm product warehousing and storage	4.9	1.9	4.7
49319	Other warehousing and storage	4.6	1.9	3.9

¹Excludes NAICS 481 (air transportation), NAICS 483 (water transportation), NAICS 485 (transit and ground passenger transportation), NAICS 486 (pipeline transportation), NAICS 487 (scenic and sightseeing transportation), NAICS 488 (support activities for transportation), and NAICS 491 (postal service).

Table A-2.3. **Truck Transportation (NAICS 484)—Estimated Coefficients of Variation for Revenue and Cost of Purchased Transportation Estimates and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	1.6	1.3	0.7
Motor carrier	1.6	1.3	0.7
Local trucking	3.2	3.0	1.3
Long-distance trucking	1.7	1.3	0.6
Other operating revenue (truck transportation)	4.4	4.3	1.9
Cost of purchased transportation	2.9	2.2	1.2

Table A-2.4. **Truck Transportation (NAICS 484)—Estimated Coefficients of Variation for Revenue by Size of Shipments, Commodities Handled, and Origin and Destination of Shipments for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
Total motor carrier revenue	1.6	1.3	0.7
SIZE OF SHIPMENTS			
Less-than-truckload	1.3	1.2	0.6
Truckload	2.0	1.7	0.9
COMMODITIES HANDLED			
Agricultural and fish products	7.0	6.8	1.3
Grains, alcohol, and tobacco products	9.0	8.7	2.4
Stone, nonmetallic minerals, and metallic ores	8.2	8.0	2.0
Coal and petroleum products	9.0	7.9	2.1
Pharmaceutical and chemical products	4.7	4.5	0.9
Wood products, textiles, and leathers	5.0	4.8	2.1
Base metal and machinery	7.6	7.7	1.7
Electronic, motorized vehicles, and precision instruments	7.3	7.5	1.7
Used household and office goods	3.2	3.5	1.7
New furniture and miscellaneous manufactured products	3.6	4.0	1.0
Other goods	2.5	2.4	1.0
Hazardous materials	4.6	4.3	1.2
ORIGIN AND DESTINATION OF SHIPMENTS			
U.S. to U.S.	1.6	1.3	0.8
U.S. to Canada	8.5	7.6	3.8
U.S. to Mexico	9.9	11.3	3.2
Canada to U.S.	10.4	9.3	2.5
Mexico to U.S.	15.3	14.2	2.6
All other destinations	15.0	17.5	7.3

Table A-2.5. Truck Transportation (NAICS 484)—Estimated Coefficients of Variation for Inventories of Revenue Generating Equipment by Type of Carrier for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Equipment	All carriers		
	Total	Owned	Leased
TRUCKS			
Units (Thousands)			
1999	6.2	6.8	15.2
1998	6.1	6.7	14.1
Year-To-Year Ratio			
1999/1998	2.1	2.1	5.3
TRUCK- TRACTORS			
Units (Thousands)			
1999	3.0	3.4	4.3
1998	2.6	3.0	3.9
Year-To-Year Ratio			
1999/1998	1.0	1.1	2.0
TRAILERS			
Units (Thousands)			
1999	2.2	2.7	4.5
1998	2.1	2.5	4.3
Year-To-Year Ratio			
1999/1998	0.6	0.6	1.4

Table A-2.6. **Truck Transportation (NAICS 484)—Estimated Coefficients of Variation for Number of Truck Miles Traveled by Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
Total distance traveled in highway miles	2.4	1.9	1.9
Miles traveled by loaded or partially loaded vehicles	2.0	1.6	1.7
Miles traveled by empty vehicles	5.1	4.2	2.8

Table A-3.0.1. **Information Sector Services (NAICS 51)—Estimated Coefficients of Variation for Revenue for Employer and Nonemployer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
51	Information	0.4	0.3	0.2
511	Publishing industries	0.8	0.6	0.6
5111	Newspaper, periodical, book, database, and other publishers	0.6	0.5	0.4
51111	Newspaper publishers	0.5	0.3	0.3
51112	Periodical publishers	1.5	1.5	0.9
51113	Book publishers	1.1	1.0	1.0
51114	Database and directory publishers	1.0	0.9	0.3
51119	Other publishers	2.8	2.2	1.3
511191	Greeting card publishers	3.1	2.8	0.3
511199	All other publishers	4.7	3.7	2.3
5112	Software publishers	2.3	1.9	1.4
512	Motion picture and sound recording industries	1.4	1.3	0.6
5121	Motion picture and video	1.7	1.6	0.7
5121X	Motion picture and video production and distribution ¹	2.5	1.9	1.0
51213	Motion picture and video exhibition	2.1	0.9	1.5
51219	Postproduction services and other motion picture and video industries	12.3	12.0	1.4
512191	Teleproduction and other postproduction services	13.4	13.3	1.6
512199	Other motion picture and video industries	14.3	14.0	0.8
5122	Sound recording	0.3	0.2	0.2
51221	Record production	2.1	2.1	1.8
51222	Integrated record production/distribution	0.0	0.0	0.0
51223	Music publishers	1.5	1.2	1.0
51224	Sound recording studios	3.5	2.5	2.7
51229	Other sound recording industries	2.0	1.7	1.8
513	Broadcasting and telecommunications	0.5	0.3	0.4
5131	Radio and television broadcasting	0.8	0.7	0.3
51311	Radio broadcasting	2.3	1.5	0.9
513111	Radio networks	2.8	3.0	0.5
513112	Radio stations	2.4	1.5	1.0
51312	Television broadcasting	1.0	0.9	0.4
5132	Cable networks and program distribution	1.2	1.0	0.8
51321	Cable networks	0.1	0.1	0.1
51322	Cable and other program distribution	1.7	1.4	1.1
5133	Telecommunications	0.7	0.3	0.5
51331	Wired telecommunications carriers	0.8	0.3	0.6
51332	Wireless telecommunications carriers (except satellite)	0.7	0.7	0.5
513321	Paging	4.1	2.6	2.6
513322	Cellular and other wireless telecommunications	0.4	0.4	0.2
51333	Telecommunications resellers	7.3	7.1	1.6
51334	Satellite telecommunications	5.5	3.7	1.9
51339	Other telecommunications	11.9	7.7	2.9
514	Information services and data processing services	1.2	0.5	1.0
5141	Information services	1.9	1.4	1.0
51411	News syndicates	0.7	0.6	0.5
51412	Libraries and archives	1.9	1.3	1.7
51419	Other information services	2.1	1.7	1.1
514191	On-line information services	2.4	1.9	1.2
514199	All other information services	1.0	0.7	0.9
5142	Data processing services	1.8	0.9	1.5

¹Includes NAICS 51211 (motion picture and video production) and NAICS 51212 (motion picture and video distribution).

Table A-3.0.2. Information Sector Services (NAICS 51)—Estimated Coefficients of Variation for Revenue for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
51	Information	0.4	0.3	0.2
511	Publishing industries	0.8	0.6	0.6
5111	Newspaper, periodical, book, database, and other publishers	0.6	0.5	0.4
51111	Newspaper publishers	0.5	0.3	0.3
51112	Periodical publishers	1.6	1.5	0.9
51113	Book publishers	1.1	1.0	1.1
51114	Database and directory publishers	1.0	0.9	0.3
51119	Other publishers	2.8	2.2	1.3
511191	Greeting card publishers	3.1	2.8	0.3
511199	All other publishers	4.9	3.8	2.4
5112	Software publishers	2.3	1.9	1.4
512	Motion picture and sound recording industries	1.5	1.3	0.6
5121	Motion picture and video	1.8	1.6	0.8
5121x	Motion picture and video production and distribution ¹	2.6	2.0	1.1
51213	Motion picture and video exhibition	2.1	1.0	1.5
51219	Postproduction services and other motion picture and video industries	12.9	12.6	1.5
512191	Teleproduction and other postproduction services	14.1	13.9	1.8
512199	Other motion picture and video industries	14.6	14.3	0.8
5122	Sound recording	0.3	0.2	0.2
51221	Record production	2.5	2.5	2.2
51222	Integrated record production/distribution	0.0	0.0	0.0
51223	Music publishers	1.6	1.3	1.1
51224	Sound recording studios	4.1	2.9	3.2
51229	Other sound recording industries	2.1	1.8	1.9
513	Broadcasting and telecommunications	0.5	0.3	0.4
5131	Radio and television broadcasting	0.8	0.7	0.3
51311	Radio broadcasting	2.3	1.5	1.0
513111	Radio networks	2.8	3.1	0.5
513112	Radio stations	2.4	1.6	1.1
51312	Television broadcasting	1.0	0.9	0.4
5132	Cable networks and program distribution	1.2	1.0	0.8
51321	Cable networks	0.1	0.1	0.1
51322	Cable and other program distribution	1.7	1.4	1.1
5133	Telecommunications	0.7	0.3	0.5
51331	Wired telecommunications carriers	0.8	0.3	0.6
51332	Wireless telecommunications carriers (except satellite)	0.7	0.7	0.5
513321	Paging	4.2	2.6	2.6
513322	Cellular and other wireless telecommunications	0.4	0.4	0.2
51333	Telecommunications resellers	7.5	7.3	1.7
51334	Satellite telecommunications	5.6	3.8	1.9
51339	Other telecommunications	12.8	8.2	3.2
514	Information services and data processing services	1.3	0.6	1.1
5141	Information services	2.0	1.5	1.0
51411	News syndicates	0.8	0.6	0.5
51412	Libraries and archives	2.0	1.4	1.9
51419	Other information services	2.2	1.8	1.2
514191	Online information services	2.5	2.0	1.3
514199	All other information services	1.0	0.7	0.9
5142	Data processing services	1.8	0.9	1.6

¹Includes NAICS 51211 (motion picture and video production) and NAICS 51212 (motion picture and video distribution).

Table A-3.0.3. **Information Sector Services (NAICS 51)—Estimated Coefficients of Variation for Export Revenue for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
51	Information	2.8	1.8	1.5
511	Publishing industries	2.7	3.1	1.2
5111	Newspaper, periodical, book, database, and other publishers	1.7	1.7	0.7
5112	Software publishers	3.5	4.1	1.6
512	Motion picture and sound recording industries	3.7	3.0	1.5
5121	Motion picture and video	3.8	3.0	1.6
5122	Sound recording	1.7	2.1	1.4
513	Broadcasting and telecommunications	11.6	7.9	7.8
5131	Radio and television broadcasting	(S)	(S)	(S)
5132	Cable networks and program distribution	0.1	0.1	0.1
5133	Telecommunications	13.5	9.0	9.2
514	Information services and data processing services	2.2	2.4	1.7
5141	Information services	3.7	3.7	2.9
5142	Data processing services	2.6	3.2	2.0

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.1.1. Newspaper Publishers (NAICS 5111)—Estimated Coefficients of Variation for Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
REVENUE			
Total	0.5	0.3	0.3
SOURCES OF REVENUE			
Single copy and subscription sales, total	1.4	1.2	0.4
Print	1.1	1.0	0.3
Electronic	(S)	(S)	(S)
Advertising sales, total	0.5	0.4	0.3
Print	0.5	0.5	0.3
Electronic	12.6	24.9	5.9
Contract printing	5.6	5.8	1.5
Other revenue	5.8	4.8	1.2
EXPENSES			
Purchased printing	2.1	2.6	1.3
INVENTORIES AT END OF YEAR			
Total	1.3	1.2	0.7
Finished goods and work-in-process	11.3	11.0	3.2
Materials, supplies, fuel, etc	1.2	0.9	0.7

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.1.2. **Periodical Publishers (NAICS 5112)—Estimated Coefficients of Variation for Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to year ratio 1999/1998
REVENUE			
Total	1.6	1.5	0.9
SOURCES OF REVENUE			
Single copy and subscription sales, total	2.1	1.8	0.8
Print	2.2	1.9	0.9
Electronic	3.6	4.3	1.1
Advertising sales, total	2.6	3.4	1.2
Print	2.6	3.4	1.3
Electronic	10.4	5.3	4.4
Contract printing	5.3	4.8	1.7
Other revenue	3.1	2.9	1.5
EXPENSES			
Purchased printing	2.0	3.7	2.4
INVENTORIES AT END OF YEAR			
Total	3.5	3.7	1.1
Finished goods and work-in-process	4.1	4.5	1.3
Materials, supplies, fuel, etc	3.2	3.1	1.0

Table A-3.1.3. **Book Publishers (NAICS 51113)—Estimated Coefficients of Variation for Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
REVENUE			
Total	1.1	1.0	1.1
SOURCES OF REVENUE			
Revenue from the sale of printed material	1.4	1.4	1.1
Revenue from the sale of electronic or non-printed material (except audio), total	2.2	2.4	0.9
Multimedia	3.2	3.6	1.2
Online	2.8	3.0	0.9
Revenue from the sale of audio books	15.1	17.2	2.1
Revenue from the sale of publication rights	21.6	22.8	2.8
Contract printing	5.5	5.6	1.1
Other revenues	6.7	9.8	3.6
EXPENSES			
Purchased printing	3.8	3.4	1.0
INVENTORIES AT END OF YEAR			
Total	2.4	2.2	1.3
Finished goods and work-in-process	2.7	2.5	1.4
Materials, supplies, fuel, etc	4.6	5.0	1.4

Table A-3.1.4. **Database and Directory Publishers (NAICS 51114)—Estimated Coefficients of Variation for Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
REVENUE			
Total	1.0	0.9	0.3
SOURCES OF REVENUE			
Single copy and subscription sales, total	2.5	2.3	0.7
Print	5.2	4.7	0.9
Electronic	2.8	2.3	0.7
Advertising sales, total	0.8	0.7	0.5
Print	0.8	0.7	0.5
Electronic	0.4	0.6	0.6
Contract printing	10.6	13.1	4.2
Other revenue	3.0	3.2	0.6
EXPENSES			
Purchased printing	1.5	1.2	0.6
INVENTORIES AT END OF YEAR			
Total	5.0	8.0	2.1
Finished goods and work-in-process	3.9	6.5	2.0
Materials, supplies, fuel, etc	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.1.5. **Greeting Card Publishers (NAICS 511191)—Estimated Coefficients of Variation for Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
REVENUE			
Total	3.1	2.8	0.3
EXPENSES			
Purchased printing	8.7	6.0	2.3
INVENTORIES AT END OF YEAR			
Total	3.3	2.8	0.6
Finished goods and work-in-process	3.3	2.8	0.5
Materials, supplies, fuel, etc	3.5	3.1	0.7

Table A-3.1.6. **All Other Publishers (NAICS 511199)—Estimated Coefficients of Variation for Revenue, Printing Expenses, and Inventories for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
REVENUE			
Total	4.9	3.8	2.4
SOURCES OF REVENUE			
Single copy and subscription sales, total	10.7	8.5	4.6
Print	14.9	11.9	5.8
Electronic	7.7	8.0	1.8
Advertising sales, total	11.9	10.4	2.7
Print	11.9	10.4	2.7
Electronic	(S)	(S)	(S)
Contract printing	(S)	(S)	(S)
Other revenue	4.5	4.0	2.7
EXPENSES			
Purchased printing	11.4	9.5	6.4
INVENTORIES AT END OF YEAR			
Total	3.8	4.0	1.4
Finished goods and work-in-process	4.6	4.8	1.0
Materials, supplies, fuel, etc	10.8	7.7	2.4

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.1.7. Software Publishers (NAICS 5112)—Estimated Coefficients of Variation for Revenue, Expenses, and Inventories for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
REVENUE			
Total	2.3	1.9	1.4
SOURCES OF REVENUE			
Personal computer software revenue, total	5.6	4.5	2.3
Consumer applications	4.4	5.6	2.0
Cross-industry applications	(S)	(S)	(S)
Vertical market applications	8.7	9.0	2.5
Software development tools, languages, and utilities	22.1	19.0	3.8
Enterprise software revenue, total	5.0	4.5	1.8
Cross-industry applications	5.5	4.5	2.2
Vertical market applications	9.5	10.8	2.6
Software development tools, languages, and utilities	17.6	19.5	4.3
Systems and systems management software revenue	5.3	4.6	1.4
Electronic commerce enabling technologies and software	(S)	(S)	(S)
Mainframe computer software revenue, total	4.9	5.1	1.7
Operating system software	6.6	7.4	1.9
Database software	2.8	3.9	2.3
Networking software	21.8	16.8	2.4
Other services revenue, total	4.2	3.4	1.9
Implementation and customization	5.6	4.3	2.8
Software upgrades and maintenance	4.9	3.8	2.6
Software user training	12.0	12.3	2.9
Internet access fees	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	2.4	2.3	0.3
Other revenues	7.8	5.8	3.6
EXPENSES			
Selected purchases, total	4.1	5.4	2.4
Purchased printing	3.9	2.3	2.9
Purchased software reproduction	4.5	4.9	2.7
Purchased programming services	7.0	8.8	2.6
INVENTORIES AT END OF YEAR			
Total	4.6	6.3	3.0
Finished goods and work-in-process	5.4	7.1	3.3
Materials, supplies, fuel, etc	4.6	9.3	3.2

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.2.1. Motion Picture and Sound Recording Industries (NAICS 512)—Estimated Coefficients of Variation for Revenue and Inventory Estimates Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
MOTION PICTURE AND SOUND RECORDING INDUSTRIES (NAICS 512)			
Operating revenue	1.5	1.3	0.6
Total inventories	3.4	2.6	2.5
Finished goods and work-in-process	3.4	2.6	2.5
Materials, supplies, fuel, etc	10.6	8.7	2.5
MOTION PICTURE AND VIDEO (NAICS 5121)			
Operating revenue	1.8	1.6	0.8
Total inventories	3.5	2.7	2.6
Finished goods and work-in-process	3.4	2.7	2.6
Materials, supplies, fuel, etc	16.3	13.2	3.2
SOUND RECORDING (NAICS 5122)			
Operating revenue	0.3	0.2	0.2
Total inventories	2.3	2.0	0.7
Finished goods and work-in-process	2.9	2.4	0.9
Materials, supplies, fuel, etc	6.0	5.6	0.7

Table A-3.3.1. Radio and Television Broadcasting (NAICS 5131)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	0.8	0.7	0.3
Station time sales	1.4	1.3	0.5
Network compensation	5.1	3.4	3.7
National/regional advertising	1.7	1.8	0.5
Local advertising revenue	1.6	1.3	0.5
Network time sales	1.2	1.2	0.0
Other operating revenue	6.6	6.7	0.8
EXPENSES			
Total	1.8	0.7	1.6
Annual payroll	2.1	1.3	2.1
Employer contributions to Social Security and other supplemental benefits	1.8	1.5	1.6
Broadcast rights and music license fees	2.0	0.9	2.0
Depreciation	2.3	2.1	1.6
Lease and rental	4.5	3.4	2.2
Purchased repairs	2.8	3.0	2.1
Purchased communications and utilities	2.6	1.9	2.1
Purchased advertising	1.3	1.4	2.0
Other operating expenses (including network compensation fees)	2.2	1.8	1.5

Table A-3.3.2. Radio Broadcasting (NAICS 51311)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	2.3	1.5	1.0
Station time sales	2.6	1.8	1.1
Network compensation	7.2	10.1	3.2
National/regional advertising	3.0	3.2	1.1
Local advertising revenue	2.8	1.9	1.3
Network time sales	3.4	3.6	0.4
Other operating revenue	9.7	11.0	1.4
EXPENSES			
Total	2.6	1.8	1.2
Annual payroll	2.8	2.3	1.2
Employer contributions to Social Security and other supplemental benefits	3.2	3.8	1.8
Broadcast rights and music license fees	9.2	9.5	1.9
Depreciation	2.9	2.5	0.9
Lease and rental	5.5	6.1	3.7
Purchased repairs	8.2	8.6	2.1
Purchased communications and utilities	4.5	2.7	3.6
Purchased advertising	3.0	2.9	2.6
Other operating expenses (including network compensation fees)	3.5	2.4	2.3

Table A-3.3.3. **Television Broadcasting (NAICS 51312)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	1.0	0.9	0.4
Station time sales	1.6	1.5	0.7
Network compensation	6.2	3.8	4.3
National/regional advertising	1.7	1.7	0.6
Local advertising revenue	1.9	1.7	0.8
Network time sales	1.2	1.2	0.0
Other operating revenue	7.3	7.2	0.8
EXPENSES			
Total	2.6	0.8	2.2
Annual payroll	3.5	1.4	3.2
Employer contributions to Social Security and other supplemental benefits	2.9	1.5	2.2
Broadcast rights and music license fees	2.2	1.0	2.0
Depreciation	4.5	2.8	3.2
Lease and rental	7.1	4.3	2.4
Purchased repairs	2.5	1.9	3.1
Purchased communications and utilities	3.9	2.4	2.7
Purchased advertising	2.1	1.2	2.3
Other operating expenses (including network compensation fees)	2.9	2.1	2.1

Table A-3.3.4. **Cable Networks and Program Distribution (NAICS 5132)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	1.2	1.0	0.8
Advertising revenue (net)	0.4	0.4	0.4
Program revenue	0.9	0.9	0.2
Basic service tier	1.9	1.6	1.1
Pay-per-view service	1.0	1.3	0.9
Other premium service	2.5	2.1	1.3
Installation, startup, and reconnect fees	1.4	1.3	1.5
Other cable and pay TV revenue	3.1	2.4	1.6
Internet access fees	2.8	2.0	2.8
Local telephone service	3.5	3.3	2.3
Long-distance telephone service	(S)	(S)	(S)
Other communication service revenue	5.0	10.2	4.3
Other operating revenue	2.9	2.7	0.8
OPERATING EXPENSES			
Total	1.2	0.8	0.9
Annual payroll	1.7	1.1	1.1
Employer contributions to Social Security and other supplemental benefits	1.7	1.0	1.1
Program and production costs	1.0	0.6	0.7
Depreciation	2.1	1.8	1.2
Lease and rental	2.1	1.5	1.3
Purchased repairs	2.0	2.6	2.3
Purchased communications and utilities	2.1	1.8	1.3
Purchased advertising	0.7	0.6	0.7
Other operating expenses	1.1	0.7	0.8

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.3.5. **Cable Networks (NAICS 51321)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	0.1	0.1	0.1
Advertising revenue (net)	0.1	0.1	0.1
Program revenue	0.1	0.1	0.1
Other operating revenue	0.1	0.1	0.1
OPERATING EXPENSES			
Total	0.1	0.1	0.1
Annual payroll	0.2	0.2	0.2
Employer contributions to Social Security and other supplemental benefits	0.3	0.2	0.1
Program and production costs	0.1	0.2	0.1
Depreciation	0.1	0.1	0.1
Lease and rental	0.2	0.2	0.2
Purchased repairs	0.6	0.4	0.4
Purchased communications and utilities	4.7	4.4	0.3
Purchased advertising	0.0	0.1	0.0
Other operating expenses	0.2	0.1	0.1

Table A-3.3.6. **Cable and Other Program Distribution (NAICS 51322)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	1.7	1.4	1.1
Advertising revenue (net)	1.5	1.6	1.5
Basic service tier	1.9	1.6	1.1
Pay-per-view service	1.0	1.3	0.9
Other premium service	2.5	2.1	1.3
Installation, startup, and reconnect fees	1.5	1.4	1.6
Other cable and pay TV revenue	3.2	2.5	1.7
Internet access fees	2.8	2.0	2.8
Local telephone service	3.5	3.3	2.3
Long-distance telephone service	(S)	(S)	(S)
Other communication service revenue	5.3	11.7	4.9
Other operating revenue	4.5	4.0	1.2
OPERATING EXPENSES			
Total	1.6	1.0	1.1
Annual payroll	2.1	1.4	1.3
Employer contributions to Social Security and other supplemental benefits	2.2	1.3	1.3
Program and production costs	1.6	1.0	1.1
Depreciation	2.2	1.9	1.2
Lease and rental	3.0	2.1	1.8
Purchased repairs	2.1	2.6	2.4
Purchased communications and utilities	2.4	2.1	1.5
Purchased advertising	1.7	1.5	1.5
Other operating expenses	1.5	0.9	1.1

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.3.7. Telecommunications (NAICS 5133)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	0.7	0.3	0.5
Wired telecommunications services	0.8	0.3	0.6
Local service	1.6	0.9	0.9
Basic local service	1.8	1.1	0.9
Value-added services	1.5	0.9	0.8
Long-distance service	1.6	1.1	0.6
Network access	2.0	1.4	1.3
Cellular telephone, PCS, and SMR	0.5	0.5	0.2
Basic monthly charges	0.3	0.3	0.2
Airtime	0.3	0.3	0.1
Long-distance service	0.9	1.3	0.9
Roaming	0.4	0.7	0.4
Other	6.0	6.4	1.8
Directory advertising	2.5	2.3	1.0
Other communications services	2.7	1.8	1.8
Other operating revenue	2.6	1.8	0.8
OPERATING EXPENSES			
Total	0.6	0.4	0.4
Annual payroll	0.9	0.6	0.6
Employer contributions to Social Security and other supplemental benefits	1.2	1.0	0.3
Access charges	1.8	0.9	1.2
Depreciation	0.8	0.7	0.3
Lease and rental	1.2	1.1	0.8
Purchased repairs	1.4	1.1	0.4
Purchased communications and utilities	11.9	7.0	3.4
Purchased advertising	1.1	0.9	0.8
Universal service, contributions, and other similar charges	0.7	0.7	0.3
Other operating expenses	0.9	0.8	0.4

Table A-3.3.8. **Telecommunications (NAICS 5133)—Estimated Coefficients of Variation for Estimated Local, Long-Distance, and Network Access Revenue by Type of Customer, Service, and Destination for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	Type of customer			Type of service		Type of destination	
	Total	Residential	Nonresidential	Intrastate	Interstate	Domestic	International
LOCAL SERVICE							
Millions of Dollars							
1999	1.6	1.8	2.4	1.7	1.6	(X)	(X)
1998	0.9	1.1	1.1	1.0	1.2	(X)	(X)
Percent Change							
1999	0.9	0.8	1.5	0.9	0.6	(X)	(X)
LONG-DISTANCE SERVICE							
Millions of Dollars							
1999	1.6	1.5	2.3	2.2	1.6	0.9	6.3
1998	1.1	0.9	1.8	1.5	1.2	0.7	4.9
Percent Change							
1999	0.6	0.5	0.7	0.8	0.5	0.3	2.0
NETWORK ACCESS							
Millions of Dollars							
1999	2.0	4.8	2.1	2.3	2.1	(X)	(X)
1998	1.4	4.0	1.0	2.2	1.2	(X)	(X)
Percent Change							
1999	1.3	1.7	1.5	1.0	1.4	(X)	(X)

X Not applicable.

Table A-3.3.9. Wired Telecommunications Carriers (NAICS 51331)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	0.8	0.3	0.6
Wired telecommunications services	0.8	0.3	0.6
Local service	1.7	1.0	0.9
Basic local service	1.9	1.1	1.0
Value-added services	1.5	0.9	0.8
Long-distance service	1.5	1.1	0.6
Network access	2.0	1.4	1.3
Cellular telephone, PCS, and SMR	23.9	27.7	7.0
Basic monthly charges	2.5	1.7	1.0
Airtime	14.3	10.4	2.2
Long-distance service	1.1	0.9	0.4
Roaming	1.5	1.1	0.6
Other	(S)	(S)	(S)
Directory advertising	2.5	2.3	1.0
Other communications services	5.4	6.5	3.7
Other operating revenue	3.5	2.4	1.1
OPERATING EXPENSES			
Total	0.7	0.4	0.5
Annual payroll	1.1	0.7	0.6
Employer contributions to Social Security and other supplemental benefits	1.4	1.2	0.4
Access charges	2.1	0.9	1.4
Depreciation	1.0	0.9	0.5
Lease and rental	1.7	1.5	1.4
Purchased repairs	1.7	1.4	0.4
Purchased communications and utilities	13.7	7.8	4.0
Purchased advertising	1.6	1.3	1.2
Universal service, contributions, and other similar charges	0.7	0.7	0.3
Other operating expenses	1.2	0.9	0.4

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.3.10. Wired Telecommunications Carriers (NAICS 51331)—Estimated Coefficients of Variation for Estimated Local, Long-Distance, and Network Access Revenue by Type of Customer, Service, and Destination for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	Type of customer			Type of service		Type of destination	
	Total	Residential	Nonresidential	Intrastate	Interstate	Domestic	International
LOCAL SERVICE							
Millions of Dollars							
1999	1.7	1.8	2.5	1.7	1.6	(X)	(X)
1998	1.0	1.1	1.1	1.0	1.1	(X)	(X)
Percent Change							
1999	0.9	0.8	1.5	0.9	0.7	(X)	(X)
LONG-DISTANCE SERVICE							
Millions of Dollars							
1999	1.5	1.4	2.1	2.3	1.5	0.8	6.7
1998	1.1	0.9	1.7	1.5	1.1	0.6	5.3
Percent Change							
1999	0.6	0.5	0.7	0.8	0.5	0.3	2.2
NETWORK ACCESS							
Millions of Dollars							
1999	2.0	4.9	2.1	2.3	2.1	(X)	(X)
1998	1.4	4.0	1.0	2.3	1.2	(X)	(X)
Percent Change							
1999	1.3	1.7	1.6	1.1	1.5	(X)	(X)

X Not applicable.

Table A-3.3.11. Wireless Telecommunications Carriers (except Satellite) (NAICS 51332)—Estimated Coefficients of Variations for Revenue and Expenses for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	0.7	0.7	0.5
Cellular telephone, PCS, and SMR	0.4	0.4	0.2
Basic monthly charges	0.3	0.3	0.2
Airtime	0.2	0.3	0.1
Long-distance service	0.3	0.4	0.2
Roaming	0.5	0.8	0.4
Other	9.4	10.1	0.4
Other communications services	4.4	2.6	2.5
Other operating revenue	2.3	2.5	0.7
OPERATING EXPENSES			
Total	0.7	0.7	0.5
Annual payroll	1.0	1.0	0.8
Employer contributions to Social Security and other supplemental benefits	0.7	0.8	0.4
Access charges	1.3	1.9	0.6
Depreciation	0.6	0.6	0.4
Lease and rental	0.9	0.7	0.8
Purchased repairs	0.7	0.7	0.4
Purchased communications and utilities	6.6	2.1	3.8
Purchased advertising	0.5	0.3	0.3
Universal service, contributions, and other similar charges	0.3	0.5	0.4
Other operating expenses	0.6	0.7	0.4

Table A-3.3.12. Telecommunications Resellers (NAICS 51333)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OPERATING REVENUE			
Total	7.5	7.3	1.7
Wired telecommunications services	8.0	7.8	1.9
Local service	8.3	8.9	1.6
Long-distance service	8.7	8.2	2.5
Network access	8.9	8.2	1.9
Cellular telephone, PCS, and SMR	7.7	8.6	2.4
Other operating revenue	10.7	8.4	2.1
OPERATING EXPENSES			
Total	7.3	7.5	1.2
Annual payroll	7.9	7.9	1.2
Employer contributions to Social Security and other supplemental benefits	8.1	8.0	1.0
Access charges	10.8	10.5	1.8
Depreciation	8.3	8.1	0.8
Purchased communications and utilities	7.3	7.6	1.9
Purchased advertising	8.7	9.0	1.8
Other operating expenses	7.6	7.6	1.4

Table A-3.4.1. Information Services and Data Processing Services (NAICS 514)—Estimated Coefficients of Variation for Estimated Revenue for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
NEWS SYNDICATES (NAICS 51411)			
Revenue			
Total	0.8	0.6	0.5
LIBRARIES AND ARCHIVES (NAICS 51412)			
Revenue			
Total	2.0	1.4	1.9
Sources of Revenue			
Subsidies, contributions, gifts, and grants	3.7	3.5	1.7
Other revenue	5.8	5.3	3.8
ONLINE INFORMATION SERVICES (NAICS 514191)			
Revenue			
Total	2.5	2.0	1.3
Sources of Revenue			
Internet access fees	2.9	2.3	1.3
Advertising	5.4	4.4	2.4
Web hosting and design	5.7	8.3	5.5
Online sales commissions	(S)	(S)	(S)
Other revenue	2.8	2.7	1.8
ALL OTHER INFORMATION SERVICES (NAICS 514199)			
Revenue			
Total	1.0	0.7	0.9
Sources of Revenue			
Internet access fees	4.9	5.1	0.8
Advertising	1.0	0.8	0.9
Web hosting and design	0.5	0.9	0.8
Online sales commissions	0.1	0.9	0.8
Other revenue	1.8	2.3	1.2
DATA PROCESSING SERVICES (NAICS 5142)			
Revenue			
Total	1.8	0.9	1.6
Sources of Revenue			
Transaction processing and data exchange	2.8	2.6	1.5
Data capture and imaging	7.1	8.0	2.3
Computer timesharing services	2.8	2.6	1.4
Web hosting and design	(S)	(S)	(S)
Other data processing services	8.0	8.9	2.1
All other revenue	8.0	6.1	2.5

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-3.4.2. **Other Information Services (NAICS 51419)—Estimated Coefficients of Variation for Revenue and Expenses for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OTHER INFORMATION SERVICES (NAICS 51419)			
Revenue			
Total	2.2	1.8	1.2
Expenses			
Internet network connectivity	2.7	2.5	1.4
ONLINE INFORMATION SERVICES (NAICS 514191)			
Revenue			
Total	2.5	2.0	1.3
Expenses			
Internet network connectivity	3.0	2.7	1.5
ALL OTHER INFORMATION SERVICES (NAICS 514199)			
Revenue			
Total	1.0	0.7	0.9
Expenses			
Internet network connectivity	1.1	2.3	1.6

Table A-4.1. **Securities and Commodity Contracts Intermediation and Brokerage (NAICS 523)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
5231	Securities and commodity contracts intermediation and brokerage	1.4	1.1	0.6
52311	Investment banking and securities dealing	1.4	0.8	0.9
52312	Securities brokerage	2.6	1.9	0.8
52313	Commodity contracts dealing	1.4	1.0	0.9
52314	Commodity contracts brokerage	1.2	1.1	0.8

Table A-4.2. Securities, Commodity Contracts, and Other Financial Investment Activities (NAICS 523)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
523x	Securities, commodity contracts, and other financial investment activities ¹	1.5	1.5	0.9
5231	Securities and commodity contracts intermediation and brokerage	1.4	1.1	0.6
52311	Investment banking and securities dealing	1.4	0.9	0.9
52312	Securities brokerage	2.7	2.0	0.9
52313	Commodity contracts dealing	1.5	1.1	1.0
52314	Commodity contracts brokerage	1.5	1.2	1.0
5239x	Other financial investment activities ²	4.2	4.2	2.2
52392	Portfolio management	5.0	5.0	2.7
52393	Investment advice	3.5	6.0	2.0

¹Includes NAICS 5231 (securities and commodity contracts intermediation and brokerage) and NAICS 5239 (other financial investment activities).

²Excludes NAICS 52391 (miscellaneous intermediation) and NAICS 52399 (all other financial investment activities).

Table A-4.3. Securities, Commodity Contracts, and Other Financial Investments Activities (NAICS 523)—Estimated Coefficients of Variation for Export Revenue Estimates and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
523x	Securities, commodity contracts, and other financial investment activities ¹	10.5	8.2	2.8
5231	Securities and commodity contracts intermediation and brokerage	1.3	1.8	0.6
52311	Investment banking and securities dealing	0.7	1.7	1.1
52312	Securities brokerage	3.5	3.1	0.7
52313	Commodity contracts dealing	0.8	1.2	0.9
52314	Commodity contracts brokerage	2.7	3.2	0.7
5239x	Other financial investment activities ²	(S)	19.1	(S)
52392	Portfolio management	(S)	(S)	(S)
52393	Investment advice	6.6	7.0	2.6

S Data do not meet publication standards because of high sampling variability or poor response quality.

¹Includes NAICS 5231 (securities and commodity contracts intermediation and brokerage) and NAICS 5239 (other financial investment activities).

²Excludes NAICS 52391 (miscellaneous intermediation) and NAICS 52399 (all other financial investment activities).

Table A-4.4. Securities, Commodity Contracts, and Other Financial Investments and Related Activities (NAICS 523)—Estimated Coefficients of Variation for Estimated Sources of Revenue and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Dollar volume estimates are in millions of dollars. Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
SECURITIES, COMMODITY CONTRACTS, AND OTHER FINANCIAL INVESTMENTS AND RELATED ACTIVITIES (NAICS 523X)¹			
Operating Revenue			
Total	1.5	1.5	0.9
Commissions from the sale of securities and commodities	2.9	2.2	0.9
Gains (losses) on trading accounts in securities and commodities (net) ...	3.7	5.3	2.3
Interest income from trading accounts in securities	1.1	1.0	0.8
Gains (losses) from trading accounts in securities	6.1	10.3	3.8
Gains (losses) from trading accounts in commodities	9.6	7.8	1.3
Gains from underwriting and selling groups of securities (net)	2.6	2.0	2.1
MBS, CMO, and REMIC transactions	1.9	1.4	0.8
All other securities transactions	3.1	2.6	2.6
Gains on investment accounts (net)	11.8	7.5	4.2
Dividend income	2.7	5.0	2.7
Margin interest and other interest income	7.5	3.8	2.6
Other investment income	3.1	2.3	1.5
Asset/Portfolio management fees	2.9	1.9	2.2
Other revenue	2.6	3.6	2.2
SECURITIES AND COMMODITY CONTRACTS INTERMEDIATION AND BROKERAGE (NAICS 5231)			
Operating Revenue			
Total	1.4	1.1	0.6
Commissions from the sale of securities and commodities	3.1	2.3	1.0
Gains (losses) on trading accounts in securities and commodities (net) ...	3.5	2.8	1.6
Interest income from trading accounts in securities	0.9	0.5	0.5
Gains (losses) from trading accounts in securities	5.4	4.8	2.4
Gains (losses) from trading accounts in commodities	9.6	7.9	1.3
Gains from underwriting and selling groups of securities (net)	2.7	2.0	2.2
MBS, CMO, and REMIC transactions	2.0	1.4	0.9
All other securities transactions	3.2	2.6	2.6
Gains on investment accounts (net)	13.0	10.0	4.9
Dividend income	1.5	1.8	0.6
Margin interest and other interest income	1.3	1.0	0.5
Other investment income	1.6	1.4	0.8
Asset/Portfolio management fees	1.4	1.5	0.6
Other revenue	2.1	2.3	2.2
OTHER FINANCIAL INVESTMENT ACTIVITIES (NAICS 5239X)²			
Operating Revenue			
Total	4.2	4.2	2.2
Commissions from the sale of securities and commodities	6.2	7.4	3.6
Gains (losses) on trading accounts in securities and commodities (net) ...	(S)	(S)	(S)
Interest income from trading accounts in securities	5.1	9.1	5.6
Gains (losses) from trading accounts in securities	(S)	(S)	(S)
Gains (losses) from trading accounts in commodities	(S)	(S)	(S)
Gains from underwriting and selling groups of securities (net)	6.6	9.2	2.8
MBS, CMO, and REMIC transactions	(S)	(S)	(S)
All other securities transactions	19.2	16.2	3.9
Gains on investment accounts (net)	(S)	(S)	(S)
Dividend income	(S)	(S)	(S)
Margin interest and other interest income	(S)	(S)	(S)
Other investment income	8.9	6.4	3.5
Asset/Portfolio management fees	4.1	2.7	3.2
Other revenue	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality.

¹Includes NAICS 5231 (securities and commodity contracts intermediation and brokerage) and NAICS 5239 (other financial investment activities).

²Excludes NAICS 52391 (miscellaneous intermediation) and NAICS 52399 (all other financial investment activities).

Table A-5.1. **Rental and Leasing Services (NAICS 532)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS Code	Kind of Business	1999	1998	Year-to-year ratio 1999/1998
532	Rental and leasing services	1.2	0.9	0.8
5321	Automotive equipment rental and leasing	0.7	0.4	0.4
53211	Passenger car rental and leasing	0.8	0.7	0.5
532111	Passenger car rental	1.1	0.9	0.5
532112	Passenger car leasing	2.5	1.5	1.7
53212	Truck, utility trailer, and rv (recreational vehicle) rental and leasing	1.6	0.8	1.0
5322	Consumer goods rental	4.4	2.0	3.2
53221	Consumer electronics and appliances rental	3.9	3.2	1.7
53222	Formal wear and costume rental	4.4	4.1	2.2
53223	Video tape and disc rental	7.7	2.6	6.8
53229	Other consumer goods rental	4.0	3.8	1.4
532291	Home health equipment rental	3.3	3.4	1.1
53229x	All other consumer goods rental ¹	6.1	6.0	2.1
5323	General rental centers	4.8	5.2	1.1
5324	Commercial and industrial machinery and equipment rental and leasing	1.7	1.6	1.1
53241	Construction, transportation, mining, and forestry machinery and equipment rental and leasing	2.5	1.8	1.9
53242	Office machinery and equipment rental and leasing	3.3	2.9	1.1
53249	Other commercial and industrial machinery and equipment rental and leasing	4.7	3.8	2.1

¹Includes NAICS 532292 (recreational goods rental) and 532299 (all other consumer goods rental).

Table A-5.2. **Rental and Leasing Services (NAICS 532)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
532	Rental and leasing services	1.2	0.9	0.9
5321	Automotive equipment rental and leasing	0.7	0.5	0.4
53211	Passenger car rental and leasing	0.9	0.7	0.5
532111	Passenger car rental	1.1	0.9	0.5
532112	Passenger car leasing	2.7	1.6	1.8
53212	Truck, utility trailer, and rv (recreational vehicle) rental and leasing	1.6	0.8	1.0
5322	Consumer goods rental	4.6	2.1	3.3
53221	Consumer electronics and appliances rental	4.1	3.2	1.8
53222	Formal wear and costume rental	4.5	4.2	2.3
53223	Video tape and disc rental	8.0	2.7	7.1
53229	Other consumer goods rental	4.3	4.1	1.5
532291	Home health equipment rental	3.4	3.5	1.1
53229x	All other consumer goods rental ¹	6.7	6.6	2.2
5323	General rental centers	5.0	5.4	1.1
5324	Commercial and industrial machinery and equipment rental and leasing	1.9	1.7	1.2
53241	Construction, transportation, mining, and forestry machinery and equipment rental and leasing	2.8	1.9	2.1
53242	Office machinery and equipment rental and leasing	3.5	3.1	1.2
53249	Other commercial and industrial machinery and equipment rental and leasing	5.2	4.2	2.4

¹Includes NAICS 532292 (recreational goods rental) and 532299 (all other consumer goods rental).

Table A-6.1. Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	0.9	0.7	0.7
5411	Legal services (except notaries)	2.1	1.7	2.1
54111	Offices of lawyers	2.2	1.7	2.2
54119	Other legal services	5.8	3.5	3.5
5412	Accounting, tax preparation, bookkeeping, and payroll services	2.4	1.4	1.7
541211	Offices of certified public accountants	2.8	1.3	2.3
541213	Tax preparation services	3.5	1.9	2.1
541214	Payroll services	7.0	5.7	3.3
541219	Other accounting services	3.8	3.3	2.2
5413	Architectural, engineering, and related services (except landscape architectural services)	2.5	1.8	1.9
54131	Architectural services	3.5	3.5	1.5
54133	Engineering services	2.8	1.9	2.4
54138	Testing laboratories	5.9	4.0	4.7
5413x	All other engineering services ¹	18.3	17.7	2.9
5414	Specialized design services	2.7	2.6	0.9
54141	Interior design services	6.4	6.9	1.1
5414x	All other design services ²	2.0	1.9	1.5
5415	Computer systems design and related services	2.7	2.1	1.1
541511	Custom computer programming services	5.9	5.2	1.6
541512	Computer systems design services	2.2	1.5	1.6
541513	Computer facilities management services	2.9	2.0	1.5
541519	Other computer related services	6.1	4.2	2.9
5416	Management, scientific, and technical consulting services	2.8	2.7	1.3
54161	Management consulting services	3.4	3.4	1.5
54162	Environmental consulting services	2.6	2.0	1.9
54169	Other scientific and technical consulting services	5.2	5.5	1.8
5417	Scientific research and development services	2.5	1.9	1.2
54171	Research and development in the physical, engineering, and life sciences	2.7	2.1	1.3
54172	Research and development in the social sciences and humanities	4.0	3.8	1.1
5418	Advertising and related services	2.5	2.3	1.5
54181	Advertising agencies	4.3	1.7	3.2
54182	Public relations agencies	2.8	2.3	2.3
54185	Display advertising	2.2	2.4	1.1
54186	Direct mail advertising	1.8	1.7	1.2
5418x	All other advertising ³	8.3	7.4	2.5
5419	Other professional, scientific, and technical services (except veterinary services)	0.9	0.7	0.5
54191	Marketing research and public opinion polling	3.9	3.4	1.8
54192	Photographic services	1.4	1.9	1.8
541921	Photography studios, portrait	2.4	2.3	2.7
541922	Commercial photography	3.0	2.9	1.2
54193	Translation and interpretation services	2.4	2.4	2.1
54199	All other professional, scientific, and technical services	0.6	0.5	0.2

¹Includes NAICS 54134 (drafting services), NAICS 54135 (building inspection services), NAICS 54136 (geophysical surveying and mapping services), and NAICS 54137 (surveying and mapping (except geophysical) services).

²Includes NAICS 54142 (industrial design services), NAICS 54143 (graphic design services), and NAICS 54149 (other specialized design services).

³Includes NAICS 54183 (media buying agencies), NAICS 54184 (media representatives), NAICS 54187 (advertising material distribution services), and NAICS 54189 (other services related to advertising).

Table A-6.2. **Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Taxable Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	1.1	0.9	0.8
5411	Legal services (except notaries)	2.3	1.8	2.3
54111	Offices of lawyers	2.4	1.9	2.3
54119	Other legal services	6.3	3.8	3.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	2.6	1.5	1.8
541211	Offices of certified public accountants	2.9	1.3	2.4
541213	Tax preparation services	4.7	2.5	2.9
541214	Payroll services	7.1	5.7	3.4
541219	Other accounting services	5.4	4.7	3.3
5413	Architectural, engineering, and related services (except landscape architectural services)	2.6	1.9	2.0
54131	Architectural services	3.9	3.8	1.7
54133	Engineering services	2.9	2.0	2.5
54138	Testing laboratories	6.0	4.1	4.7
5413x	All other engineering services ¹	21.2	20.4	3.4
5414	Specialized design services	3.3	3.3	1.1
54141	Interior design services	8.5	9.1	1.5
5414X	All other design services ²	2.4	2.2	1.8
5415	Computer systems design and related services	2.9	2.2	1.2
541511	Custom computer programming services	6.3	5.5	1.7
541512	Computer systems design services	2.3	1.6	1.6
541513	Computer facilities management services	2.9	2.1	1.5
541519	Other computer related services	8.1	5.7	3.8
5416	Management, scientific, and technical consulting services	3.5	3.3	1.6
54161	Management consulting services	4.1	4.1	1.8
54162	Environmental consulting services	3.0	2.4	2.3
54169	Other scientific and technical consulting services	7.5	7.8	2.7
5417	Scientific research and development services	3.9	2.9	2.0
54171	Research and development in the physical, engineering, and life sciences	4.1	3.1	2.1
54172	Research and development in the social sciences and humanities	4.7	5.0	1.7
5418	Advertising and related services	2.8	2.5	1.7
54181	Advertising agencies	4.5	1.8	3.4
54182	Public relations agencies	3.4	2.7	2.7
54185	Display advertising	2.4	2.6	1.1
54186	Direct mail advertising	1.9	1.8	1.2
5418x	All other advertising ³	9.4	8.3	2.8
5419	Other professional, scientific, and technical services (except veterinary services)	2.5	1.9	1.3
54191	Marketing research and public opinion polling	4.2	3.7	1.9
54192	Photographic services	2.0	2.6	2.4
541921	Photography studios, portrait	3.2	3.0	3.6
541922	Commercial photography	4.4	4.1	1.8
54193	Translation and interpretation services	5.0	4.7	4.2
54199	All other professional, scientific, and technical services	7.1	6.5	2.8

¹Includes NAICS 54134 (drafting services), NAICS 54135 (building inspection services), NAICS 54136 (geophysical surveying and mapping services), and NAICS 54137 (surveying and mapping (except geophysical) services).

²Includes NAICS 54142 (industrial design services), NAICS 54143 (graphic design services), and NAICS 54149 (other specialized design services).

³Includes NAICS 54183 (media buying agencies), NAICS 54184 (media representatives), NAICS 54187 (advertising material distribution services), and NAICS 54189 (other services related to advertising).

Table A-6.3. **Selected Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Tax-Exempt Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	1.6	1.7	0.5
54111	Offices of lawyers	2.9	2.8	1.3
5417	Scientific research and development services	1.6	1.7	0.6
54171	Research and development in the physical, engineering, and life sciences	1.8	1.8	0.7
54172	Research and development in the social sciences and humanities	7.1	6.9	1.8

Table A-6.4. **Selected Professional, Scientific, and Technical Services (Except Notaries and Landscape Architectural Services) (NAICS 54)—Estimated Coefficients of Variation for Expense Estimates and Estimates of Year-to-Year Ratios for Tax-Exempt Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
54	Professional, scientific, and technical services (except notaries and landscape architectural services)	1.5	1.4	0.4
54111	Offices of lawyers	3.2	3.5	1.3
5417	Scientific research and development services	1.5	1.4	0.5
54171	Research and development in the physical, engineering, and life sciences	1.8	1.6	0.7
54172	Research and development in the social sciences and humanities	6.3	5.8	2.2

Table A-6.5. **Computer Systems Design and Related Services (NAICS 5415)—Estimated Coefficients of Variation for Estimated Export Revenue for Employer Firms: 1999 and 1998**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
5415	Computer systems design and related services	10.7	6.2	6.5
541511	Custom computer programming services	18.1	15.7	9.4
541512	Computer systems design services	10.5	8.0	5.8
541513	Computer facilities management services	2.2	2.0	0.5
541519	Other computer related services	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-6.6. Computer Systems Design and Related Services (NAICS 5415)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Taxable Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Sources of revenue	1999	1998	Year-to-year ratio 1999/1998
COMPUTER SYSTEMS DESIGN AND RELATED SERVICES (NAICS 54151)			
Custom computer programming services	6.0	4.9	2.1
Computer integrated systems design services	3.4	2.3	1.9
Computer systems management services	2.8	3.0	1.2
Software publishing (i.e. packaged software)	7.7	7.1	2.8
Data processing services	17.0	16.8	8.4
Computer rental and leasing services	20.0	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	9.8	10.4	3.1
Computer training (including repair-separate from that provided as part of systems design services)	9.1	9.3	4.3
Other computer services, except programming, systems design, and computer facilities management	5.8	4.7	2.2
Internet access revenue	(S)	(S)	(S)
Web hosting and design	21.5	16.1	6.9
Web site advertising	(S)	(S)	(S)
Sales of merchandise	7.2	7.0	4.4
All other revenues	7.4	8.2	6.0
CUSTOM COMPUTER PROGRAMMING SERVICES (NAICS 541511)			
Custom computer programming services	6.5	5.9	2.2
Computer integrated systems design services	9.4	8.5	2.5
Computer systems management services	8.4	8.8	4.5
Software publishing (i.e. packaged software)	15.8	14.3	5.6
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	17.7	19.9	8.1
Computer training (including repair-separate from that provided as part of systems design services)	16.1	18.1	9.7
Other computer services, except programming, systems design, and computer facilities management	11.8	9.9	4.8
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	15.8	12.7	8.1
All other revenues	16.2	16.6	3.1
COMPUTER SYSTEMS DESIGN SERVICES (NAICS 541512)			
Custom computer programming services	7.9	6.0	3.6
Computer integrated systems design services	3.7	2.4	2.5
Computer systems management services	6.4	6.5	2.3
Software publishing (i.e. packaged software)	15.5	13.0	4.6
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	11.3	10.8	3.4
Computer training (including repair-separate from that provided as part of systems design services)	16.2	16.0	3.0
Other computer services, except programming, systems design, and computer facilities management	5.7	4.9	1.9
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	9.1	8.6	4.0
All other revenues	13.3	11.7	9.7

See footnotes at end of table.

Table A-6.6. Computer Systems Design and Related Services (NAICS 5415)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Taxable Employer Firms: 1998 and 1999—Con.

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Sources of revenue	1999	1998	Year-to-year ratio 1999/1998
COMPUTER FACILITIES MANAGEMENT SERVICES (NAICS 541513)			
Custom computer programming services	7.8	6.6	2.6
Computer integrated systems design services	(S)	(S)	(S)
Computer systems management services	2.0	1.5	0.9
Software publishing (i.e. packaged software)	1.3	1.9	1.4
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	(S)	(S)	(S)
Computer training (including repair-separate from that provided as part of systems design services)	(S)	(S)	(S)
Other computer services, except programming, systems design, and computer facilities management	(S)	(S)	(S)
Internet access revenue	(S)	(S)	(S)
Web hosting and design	9.3	12.2	1.3
Web site advertising	(S)	(S)	(S)
Sales of merchandise	(S)	(S)	(S)
All other revenues	18.4	8.5	18.1
OTHER COMPUTER RELATED SERVICES (NAICS 541519)			
Custom computer programming services	12.4	13.2	6.3
Computer integrated systems design services	11.6	9.9	6.5
Computer systems management services	(S)	(S)	(S)
Software publishing (i.e. packaged software)	(S)	(S)	(S)
Data processing services	(S)	(S)	(S)
Computer rental and leasing services	(S)	(S)	(S)
Electronic and precision equipment repair (including computer hardware maintenance and repair services)	16.6	(S)	(S)
Computer training (including repair-separate from that provided as part of systems design services)	(S)	(S)	(S)
Other computer services, except programming, systems design, and computer facilities management	13.9	12.6	3.9
Internet access revenue	(S)	(S)	(S)
Web hosting and design	(S)	(S)	(S)
Web site advertising	(S)	(S)	(S)
Sales of merchandise	20.6	17.4	(S)
All other revenues	18.6	22.6	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-7.1. Administrative and Support and Waste Management and Remediation Services (Except Landscaping Services)(NAICS 56)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
56	Administrative and support and waste management and remediation services (except landscaping services)	1.3	0.8	0.7
561	Administrative and support services	1.5	1.0	0.8
56111	Office administrative services	6.2	4.9	2.9
56121	Facilities support services	2.5	1.9	1.5
5613	Employment services	3.0	3.1	1.6
5614	Business support services	1.7	1.8	0.6
56141	Document preparation services	6.2	5.4	1.9
56142	Telephone call centers	2.7	2.9	1.6
56143	Business service centers	4.3	4.2	1.3
56144	Collection agencies	3.9	3.6	2.2
56145	Credit bureaus	2.7	2.3	1.2
56149	Other business support services	4.4	4.6	1.1
5615	Travel arrangement and reservation services	2.2	1.8	1.1
5616	Investigation and security services	3.5	1.8	2.5
5617	Services to buildings and dwellings	3.9	2.5	1.9
56171	Exterminating and pest control services	4.3	3.4	1.5
56172	Janitorial services	5.3	3.2	2.5
56174	Carpet and upholstery cleaning services	3.9	2.5	3.2
56179	Other services to buildings and dwellings	2.4	2.5	2.2
5619	Other support services	3.9	3.9	1.7
562	Waste management and remediation services	2.0	2.0	0.5

Table A-7.2. Administrative and Support and Waste Management and Remediation Services (Except Landscaping Services)(NAICS 56)—Estimated Coefficients of Variation for Revenue Estimates and Estimates of Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
56	Administrative and support and waste management and remediation services (except landscaping services)	1.3	0.8	0.7
561	Administrative and support services	1.6	1.0	0.8
56111	Office administrative services	6.4	5.0	3.0
56121	Facilities support services	2.6	2.0	1.6
5613	Employment services	3.1	3.1	1.7
56131	Employment placement agencies	6.7	5.2	5.1
56132	Temporary help services	5.6	5.3	1.9
56133	Employee leasing services	6.4	7.0	2.9
5614	Business support services	1.8	1.9	0.7
56141	Document preparation services	7.4	6.4	2.3
56142	Telephone call centers	2.7	2.9	1.6
561421	Telephone answering services	2.7	2.1	2.4
561422	Telemarketing bureaus	3.5	3.9	2.2
56143	Business service centers	4.5	4.3	1.4
561431	Private mail centers	8.9	8.3	5.8
561439	Other business service centers (including copy shops)	4.5	4.4	1.2
56144	Collection agencies	4.0	3.6	2.3
56145	Credit bureaus	2.7	2.3	1.2
56149	Other business support services	5.9	6.2	1.9
561491	Repossession services	(S)	(S)	(S)
561492	Court reporting and stenotype services	7.8	7.5	4.6
561499	All other business support services	7.7	7.7	3.1
5615	Travel arrangement and reservation services	2.4	1.9	1.2
56151	Travel agencies	4.5	3.6	2.6
56152	Tour operators	4.6	4.0	1.5
56159	Other travel arrangement and reservation services	2.5	2.4	0.8
561591	Convention and visitors bureaus	2.7	3.2	1.9
561599	All other travel arrangement and reservation services	2.7	2.6	0.9
5616	Investigation and security services	3.6	1.8	2.6
56161	Investigation, guard, and armored car services	5.2	2.2	4.0
561611	Investigation services	3.5	2.1	2.7
561612	Security guards and patrol services	7.2	3.0	5.5
561613	Armored car services	1.0	0.7	0.7
56162	Security systems services	3.5	2.2	2.2
561621	Security systems services (except locksmiths)	3.1	1.7	2.3
561622	Locksmiths	15.5	11.9	8.9
5617	Services to buildings and dwellings	4.6	2.9	2.3
56171	Exterminating and pest control services	4.5	3.5	1.5
56172	Janitorial services	6.3	3.8	2.9
56174	Carpet and upholstery cleaning services	5.0	3.2	4.1
56179	Other services to buildings and dwellings	3.7	3.8	3.3
5619	Other support services	4.0	4.1	1.8
56191	Packaging and labeling services	3.0	2.5	1.6
56192	Convention and trade show organizers	3.0	2.5	1.7
56199	All other support services	6.4	6.6	2.7
562	Waste management and remediation services	2.1	2.0	0.5
5621	Waste collection	2.7	2.4	1.0
562111	Solid waste collection	2.8	2.6	1.1
562112	Hazardous waste collection	1.1	0.1	1.1
562119	Other waste collection	12.6	11.2	2.5
5622	Waste treatment and disposal	5.3	5.2	0.5
562211	Hazardous waste treatment and disposal	1.6	1.3	0.8
562212	Solid waste landfill	8.5	8.8	0.7
562213	Solid waste combustors and incinerators	0.9	0.1	0.9
562219	Other nonhazardous waste treatment and disposal	4.0	2.7	1.7
5629	Remediation and other waste management services	3.9	3.5	1.3
56291	Remediation services	2.5	2.1	1.6
56292	Materials recovery facilities	3.4	1.0	2.5
56299	All other waste management services	13.3	14.3	3.2
562991	Septic tank and related services	15.3	17.1	3.3
562998	All other miscellaneous waste management services	(S)	(S)	(S)

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-8.1. Health Care and Social Assistance Services (NAICS 62)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998
62	Health care and social assistance	0.7	0.6	0.2	0.6	0.5	0.4	1.0	1.0	0.2
621	Ambulatory health care services .	0.9	0.7	0.4	1.0	0.7	0.5	2.0	1.7	0.8
6211	Offices of physicians	1.8	1.4	0.9	1.8	1.4	0.9	(X)	(X)	(X)
6212	Offices of dentists	1.4	1.1	0.7	1.4	1.1	0.7	(X)	(X)	(X)
6213	Offices of other health practitioners	2.5	1.8	1.0	2.5	1.8	1.0	(X)	(X)	(X)
62131	Offices of chiropractors	2.3	1.8	1.4	2.3	1.8	1.4	(X)	(X)	(X)
62132	Offices of optometrists	1.8	1.6	1.3	1.8	1.6	1.3	(X)	(X)	(X)
62133	Offices of mental health practitioners (except physicians)	4.6	4.4	1.0	4.6	4.4	1.0	(X)	(X)	(X)
62134	Offices of physical, occupational and speech therapists, and audiologists	4.9	4.3	2.0	4.9	4.3	2.0	(X)	(X)	(X)
62139	Offices of all other health practitioners	10.2	7.9	1.4	10.2	7.9	1.4	(X)	(X)	(X)
621391	Offices of podiatrists	3.4	3.0	1.3	3.4	3.0	1.3	(X)	(X)	(X)
621399	Offices of all other miscellaneous health practitioners	15.1	11.9	1.6	15.1	11.9	1.6	(X)	(X)	(X)
6214	Outpatient care centers	1.7	1.6	0.4	3.3	3.3	1.0	2.7	2.7	0.5
62141	Family planning centers	5.2	3.9	2.3	5.9	1.4	5.7	6.7	5.5	1.9
62142	Outpatient mental health and substance abuse centers	3.5	2.6	1.2	4.9	4.6	1.4	4.0	3.1	1.6
62149	Other outpatient care centers	1.9	1.8	0.5	3.6	3.6	1.0	2.9	2.9	0.6
621491	HMO medical centers	1.5	1.2	0.5	8.5	7.2	2.6	0.4	0.4	0.0
621492	Kidney dialysis centers	2.3	1.9	1.0	2.6	2.2	1.1	0.0	0.0	0.0
621493	Freestanding ambulatory surgical and emergency centers	9.0	9.5	1.4	10.4	10.9	1.7	2.0	1.8	0.6
621498	All other outpatient care centers	4.7	4.5	0.7	4.7	4.2	1.3	6.8	6.6	1.4
6215	Medical and diagnostic laboratories	3.5	3.2	1.2	3.5	3.2	1.2	(X)	(X)	(X)
6216	Home health care services	3.2	2.6	1.6	3.4	3.0	2.0	4.8	3.0	2.6
6219	Other ambulatory care services	1.6	1.6	0.8	1.9	1.7	1.3	2.0	2.0	0.8
622	Hospitals	1.2	1.3	0.2	0.9	0.9	0.7	1.4	1.5	0.2
623	Nursing and residential care facilities	1.4	1.5	0.7	2.1	2.2	1.0	2.0	2.1	0.8
624	Social assistance	1.8	1.5	0.8	2.5	1.7	1.5	2.0	1.9	0.8
6241	Individual and family services	2.9	3.0	1.2	4.8	4.2	1.2	3.3	3.4	1.3

X Not applicable.

Table A-8.2. Health Care and Social Assistance Services (NAICS 62)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998
62	Health care and social assistance	0.7	0.6	0.2	0.7	0.6	0.4	1.0	1.0	0.2
621	Ambulatory health care services	0.9	0.7	0.4	1.0	0.8	0.5	2.0	1.7	0.8
6211	Offices of physicians	1.9	1.5	1.0	1.9	1.5	1.0	(X)	(X)	(X)
6212	Offices of dentists	1.5	1.2	0.8	1.5	1.2	0.8	(X)	(X)	(X)
6213	Offices of other health practitioners	3.2	2.3	1.2	3.2	2.3	1.2	(X)	(X)	(X)
62131	Offices of chiropractors	2.6	2.0	1.6	2.6	2.0	1.6	(X)	(X)	(X)
62132	Offices of optometrists	1.9	1.7	1.4	1.9	1.7	1.4	(X)	(X)	(X)
62133	Offices of mental health practitioners (except physicians)	8.6	8.2	2.0	8.6	8.2	2.0	(X)	(X)	(X)
62134	Offices of physical, occupational and speech therapists, and audiologists	5.5	4.9	2.2	5.5	4.9	2.2	(X)	(X)	(X)
62139	Offices of all other health practitioners	16.8	12.8	1.9	16.8	12.8	1.9	(X)	(X)	(X)
621391	Offices of podiatrists	3.7	3.2	1.4	3.7	3.2	1.4	(X)	(X)	(X)
621399	Offices of all other miscellaneous health practitioners	(S)	(S)	(S)	(S)	(S)	(S)	(X)	(X)	(X)
6214	Outpatient care centers	1.8	1.6	0.4	3.4	3.4	1.0	2.7	2.7	0.5
62141	Family planning centers	5.2	3.9	2.3	6.0	1.5	5.8	6.7	5.5	1.9
62142	Outpatient mental health and substance abuse centers	3.5	2.6	1.3	5.1	4.7	1.5	4.0	3.1	1.6
62149	Other outpatient care centers	2.0	1.8	0.5	3.7	3.7	1.1	2.9	2.9	0.6
621491	HMO medical centers	1.5	1.2	0.5	8.6	7.2	2.6	0.4	0.4	0.0
621492	Kidney dialysis centers	2.3	2.0	1.0	2.6	2.2	1.2	0.0	0.0	0.0
621493	Freestanding ambulatory surgical and emergency centers	9.3	9.9	1.5	10.9	11.4	1.8	2.0	1.8	0.6
621498	All other outpatient care centers	4.7	4.5	0.8	4.8	4.3	1.3	6.8	6.6	1.4
6215	Medical and diagnostic laboratories	3.6	3.4	1.3	3.6	3.4	1.3	(X)	(X)	(X)
621511	Medical laboratories	3.9	2.5	2.2	3.9	2.5	2.2	(X)	(X)	(X)
621512	Diagnostic imaging centers	8.2	8.2	1.0	8.2	8.2	1.0	(X)	(X)	(X)
6216	Home health care services	3.4	2.7	1.7	3.6	3.2	2.1	4.8	3.0	2.6
6219	Other ambulatory care services	2.0	1.9	1.0	2.5	2.3	1.8	2.0	2.0	0.8
62191	Ambulance services	2.9	2.3	2.8	3.7	2.7	3.6	1.5	1.1	1.0
62199	All other ambulatory health care services	3.0	2.8	1.5	6.0	4.6	3.6	2.6	2.6	0.9
622	Hospitals	1.2	1.3	0.2	0.9	0.9	0.7	1.4	1.5	0.2
6221	General medical and surgical hospitals	1.3	1.4	0.2	1.0	0.9	0.8	1.5	1.5	0.2
6222	Psychiatric and substance abuse hospitals	1.2	1.0	0.5	3.2	3.1	1.2	0.8	0.7	0.5
6223	Specialty (except psychiatric and substance abuse) hospitals	0.9	0.9	0.4	2.7	1.6	1.8	1.4	1.5	0.2
623	Nursing and residential care facilities	1.4	1.5	0.7	2.1	2.2	1.0	2.0	2.1	0.8
6231	Nursing care facilities	2.1	2.1	0.7	2.8	2.8	0.9	2.1	1.8	0.8
6232	Residential mental retardation, mental health and substance abuse facilities	3.4	3.4	1.2	10.1	9.6	2.1	2.5	3.2	1.3
62321	Residential mental retardation facilities	5.0	4.5	1.3	14.8	14.1	2.4	2.4	2.2	1.3
62322	Residential mental health and substance abuse facilities	5.3	6.2	1.7	4.3	2.6	2.8	7.2	8.2	2.1
6233	Community care facilities for the elderly	3.1	3.1	1.5	3.4	2.9	2.6	4.6	4.6	1.3
623311	Continuing care retirement communities	4.7	4.9	1.5	4.1	4.0	3.1	5.8	5.9	1.3
623312	Homes for the elderly	3.1	2.5	2.4	4.1	3.5	3.2	3.3	2.7	1.9
6239	Other residential care facilities	4.8	4.6	1.4	7.2	7.8	2.8	5.3	4.9	1.5
624	Social assistance	1.9	1.6	0.8	3.6	2.4	2.2	2.0	1.9	0.8
6241	Individual and family services	3.0	3.1	1.3	6.2	5.5	1.7	3.3	3.4	1.3
62411	Child and youth services	7.9	6.9	1.8	18.4	16.0	4.6	8.8	7.7	1.8
62412	Services for the elderly and persons with disabilities	2.0	2.1	0.8	12.6	12.2	2.4	2.0	1.8	1.0
62419	Other individual and family services	2.5	3.4	2.7	9.1	8.6	1.7	2.4	3.3	3.0
6242	Community food and housing, and emergency and other relief services	2.9	2.4	1.2	12.9	12.5	4.2	2.9	2.4	1.2
62421	Community food services	5.3	5.6	1.1	(S)	(S)	(S)	5.6	5.9	1.1
62422	Community housing services	3.1	2.4	1.8	7.1	6.5	4.5	3.2	2.4	1.8
62423	Emergency and other relief services	6.6	6.5	2.7	(S)	(S)	(S)	6.6	6.5	2.7
6243	Vocational rehabilitation services	2.2	2.0	1.4	2.1	1.9	1.9	2.7	2.3	1.8
6244	Child day care services	3.6	2.1	2.2	5.5	3.5	3.0	3.3	2.1	2.4

X Not applicable. S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-8.3. Health Care and Social Assistance Services (NAICS 62)—Estimated Coefficients of Variation for Expenses and Year-to-Year Ratios for Tax-Exempt Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Expenses		Year-to-year ratio 1999/1998
		1999	1998	
62	Health care and social assistance	0.9	0.9	0.2
621	Ambulatory health care services	2.0	1.7	0.9
6214	Outpatient care centers	2.7	2.6	0.5
62141	Family planning centers	6.7	6.7	1.6
62142	Outpatient mental health and substance abuse centers	4.0	3.0	1.4
62149	Other outpatient care centers	2.9	2.8	0.5
621491	HMO medical centers	0.4	0.4	0.0
621492	Kidney dialysis centers	0.0	0.0	0.0
621493	Freestanding ambulatory surgical and emergency centers ...	2.1	1.9	0.6
621498	All other outpatient care centers	6.7	6.6	1.2
6216	Home health care services	5.3	3.0	3.0
6219	Other ambulatory care services	2.1	2.0	0.7
62191	Ambulance services	2.2	1.5	1.3
62199	All other ambulatory health care services	2.7	2.5	0.7
622	Hospitals	1.3	1.3	0.2
6221	General medical and surgical hospitals	1.4	1.4	0.2
6222	Psychiatric and substance abuse hospitals	2.1	2.2	0.4
6223	Specialty (except psychiatric and substance abuse) hospitals	1.5	1.6	0.2
623	Nursing and residential care facilities	2.1	2.2	0.7
6231	Nursing care facilities	2.0	1.8	0.6
6232	Residential mental retardation, mental health and substance abuse facilities	2.4	2.9	1.2
62321	Residential mental retardation facilities	2.3	2.3	1.3
62322	Residential mental health and substance abuse facilities	7.1	7.6	2.2
6233	Community care facilities for the elderly	4.7	4.8	1.1
623311	Continuing care retirement communities	5.9	6.1	1.2
623312	Homes for the elderly	4.3	3.3	1.5
6239	Other residential care facilities	5.0	4.8	1.7
624	Social assistance	2.0	2.0	0.6
6241	Individual and family services	3.2	3.4	1.2
62411	Child and youth services	8.7	7.4	1.9
62412	Services for the elderly and persons with disabilities	2.1	1.9	1.0
62419	Other individual and family services	2.3	3.7	2.8
6242	Community food and housing, and emergency and other relief services	2.9	2.5	1.0
62421	Community food services	5.6	6.2	1.1
62422	Community housing services	3.2	2.3	1.6
62423	Emergency and other relief services	6.5	6.5	2.6
6243	Vocational rehabilitation services	3.5	2.8	1.7
6244	Child day care services	3.9	3.3	1.7

Table A-8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms by Source: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OFFICES OF PHYSICIANS (NAICS 6211)			
Patient Care			
Medicare	2.5	2.1	1.0
Medicaid	3.4	3.1	1.4
Other government (Veterans, NIH, Indian Affairs, etc.)	8.4	7.6	1.7
Worker's compensation	4.1	4.2	1.3
Private insurance	1.9	1.5	1.0
Patient (out-of-pocket)	3.0	3.1	1.4
All other patient care sources, not elsewhere classified	5.8	6.0	2.0
Nonpatient Care Revenue			
All other sources	6.6	5.8	1.6
OFFICES OF DENTISTS (NAICS 6212)			
Patient Care			
Medicare	(S)	(S)	(S)
Medicaid	9.4	9.8	3.2
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	1.6	1.3	0.9
Patient (out-of-pocket)	1.7	1.5	0.7
All other patient care sources, not elsewhere classified	17.5	15.5	8.5
Nonpatient Care Revenue			
All other sources	(S)	(S)	(S)
OFFICES OF OTHER HEALTH PRACTITIONERS (NAICS 6213)			
Patient Care:			
Medicare	2.6	2.6	1.5
Medicaid	4.6	3.9	1.8
Other government (Veterans, NIH, Indian Affairs, etc.)	8.9	9.5	2.8
Worker's compensation	6.2	4.6	2.9
Private insurance	3.1	2.5	1.1
Patient (out-of-pocket)	2.7	2.2	1.0
All other patient care sources, not elsewhere classified	8.6	6.5	3.2
Nonpatient Care Revenue			
All other sources	17.8	12.2	5.2
OFFICES OF CHIROPRACTORS (NAICS 62131)			
Patient Care			
Medicare	4.2	3.8	1.8
Medicaid	18.9	11.3	6.5
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	4.2	3.4	2.2
Private insurance	2.9	2.1	1.7
Patient (out-of-pocket)	4.2	4.5	1.9
All other patient care sources, not elsewhere classified	9.5	9.5	6.0
Nonpatient Care Revenue			
All other sources	14.8	11.6	4.8
OFFICES OF OPTOMETRISTS (NAICS 62132)			
Patient Care			
Medicare	4.4	4.7	2.7
Medicaid	5.0	6.1	2.5
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	3.7	3.7	1.5
Patient (out-of-pocket)	2.3	2.0	1.5
All other patient care sources, not elsewhere classified	18.0	18.8	7.8
Nonpatient Care Revenue			
All other sources	(S)	(S)	(S)

See footnotes at end of table.

Table A-8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms by Source: 1998 and 1999—Con.

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OFFICES OF MENTAL HEALTH PRACTITIONERS (EXCEPT PHYSICIANS) (NAICS 62133)			
Patient Care			
Medicare	12.2	10.4	4.1
Medicaid	13.1	12.9	2.9
Other government (Veterans, NIH, Indian Affairs, etc.)	7.9	7.9	0.9
Worker's compensation	(S)	(S)	(S)
Private insurance	7.7	6.4	3.7
Patient (out-of-pocket)	9.9	10.2	3.1
All other patient care sources, not elsewhere classified	9.6	10.6	1.5
Nonpatient Care Revenue			
All other sources	12.6	12.3	6.9
OFFICES OF PHYSICAL, OCCUPATIONAL AND SPEECH THERAPISTS, AND AUDIOLOGISTS (NAICS 62134)			
Patient Care			
Medicare	5.9	6.4	2.8
Medicaid	8.7	6.6	3.1
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	9.9	8.4	3.7
Private insurance	6.2	4.7	3.3
Patient (out-of-pocket)	9.7	9.1	3.2
All other patient care sources, not elsewhere classified	10.6	9.1	4.7
Nonpatient Care Revenue			
All other sources	(S)	(S)	(S)
OFFICES OF PODIATRISTS (NAICS 621391)			
Patient Care			
Medicare	3.8	3.0	1.9
Medicaid	7.2	6.2	2.4
Other government (Veterans, NIH, Indian Affairs, etc.)	12.2	8.6	5.4
Worker's compensation	10.8	10.6	1.9
Private insurance	4.0	3.8	1.3
Patient (out-of-pocket)	6.3	6.2	1.7
All other patient care sources, not elsewhere classified	(S)	(S)	(S)
Nonpatient Care Revenue			
All other sources	(S)	(S)	(S)
OUTPATIENT CARE CENTERS (NAICS 6214)			
Patient Care			
Medicare	2.1	1.7	0.7
Medicaid	4.3	4.2	1.2
Other government (Veterans, NIH, Indian Affairs, etc.)	6.9	7.0	1.0
Worker's compensation	5.0	4.3	1.4
Private insurance	1.8	1.8	0.4
Patient (out-of-pocket)	2.4	2.0	0.6
All other patient care sources, not elsewhere classified	3.0	2.8	1.2
Nonpatient Care Revenue			
All other sources	5.2	4.9	1.9
OUTPATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTERS (NAICS 62142)			
Patient Care			
Medicare	15.4	14.9	2.7
Medicaid	6.7	5.7	3.1
Other government (Veterans, NIH, Indian Affairs, etc.)	9.8	9.5	1.4
Worker's compensation	(S)	(S)	(S)
Private insurance	8.0	8.3	2.2
Patient (out-of-pocket)	5.1	5.8	1.7
All other patient care sources, not elsewhere classified	10.6	9.5	3.4
Nonpatient Care Revenue			
All other sources	8.0	8.1	1.6

See footnotes at end of table.

Table A-8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms by Source: 1998 and 1999—Con.

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OTHER OUTPATIENT CARE CENTERS (NAICS 62149)			
Patient Care			
Medicare	2.0	1.6	0.8
Medicaid	5.3	5.2	1.1
Other government (Veterans, NIH, Indian Affairs, etc.)	12.2	12.4	1.8
Worker's compensation	5.0	4.3	1.4
Private insurance	1.9	1.8	0.4
Patient (out-of-pocket)	2.6	2.2	0.7
All other patient care sources, not elsewhere classified	3.0	2.9	1.1
Nonpatient Care Revenue			
All other sources	5.6	5.3	2.4
KIDNEY DIALYSIS CENTERS (NAICS 621492)			
Patient Care			
Medicare	2.4	1.9	1.2
Medicaid	2.4	2.4	1.3
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	2.6	2.3	0.8
Patient (out-of-pocket)	(S)	(S)	(S)
All other patient care sources, not elsewhere classified	2.4	2.6	1.7
Nonpatient Care Revenue			
All other sources	(S)	(S)	(S)
FREESTANDING AMBULATORY SURGICAL AND EMERGENCY CENTERS (NAICS 621493)			
Patient Care			
Medicare	8.2	9.2	2.5
Medicaid	7.6	8.8	1.7
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	11.9	12.1	1.0
Private insurance	10.0	10.1	2.0
Patient (out-of-pocket)	10.9	11.2	1.4
All other patient care sources, not elsewhere classified	10.6	11.3	1.5
Nonpatient Care Revenue			
All other sources	13.1	13.8	2.0
ALL OTHER OUTPATIENT CARE CENTERS (NAICS 621498)			
Patient Care			
Medicare	5.2	4.8	1.7
Medicaid	8.8	8.5	1.8
Other government (Veterans, NIH, Indian Affairs, etc.)	18.5	17.7	2.5
Worker's compensation	5.8	4.6	1.9
Private insurance	5.0	5.2	0.9
Patient (out-of-pocket)	6.6	5.1	1.7
All other patient care sources, not elsewhere classified	6.4	6.6	2.1
Nonpatient Care Revenue			
All other sources	5.9	5.7	2.7
HOME HEALTH CARE SERVICES (NAICS 6216)			
Patient Care			
Medicare	4.8	3.6	2.0
Medicaid	5.2	4.0	2.2
Other government (Veterans, NIH, Indian Affairs, etc.)	11.9	10.2	4.0
Worker's compensation	(S)	(S)	(S)
Private insurance	4.8	4.2	2.4
Patient (out-of-pocket)	7.4	5.9	3.6
All other patient care sources, not elsewhere classified	8.1	6.0	4.8
Nonpatient Care Revenue			
All other sources	6.4	7.8	2.8

See footnotes at end of table.

Table A-8.4. Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms by Source: 1998 and 1999—Con.

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
OTHER AMBULATORY CARE SERVICES (NAICS 6219)			
Patient Care			
Medicare	4.0	3.9	3.2
Medicaid	8.9	6.2	4.5
Other government (Veterans, NIH, Indian Affairs, etc.)	(S)	(S)	(S)
Worker's compensation	(S)	(S)	(S)
Private insurance	4.3	4.5	1.7
Patient (out-of-pocket)	3.3	3.7	3.3
All other patient care sources, not elsewhere classified	3.3	3.5	1.3
Nonpatient Care Revenue			
All other sources	4.4	4.6	1.3
HOSPITALS (NAICS 622)			
Patient Care			
Medicare	1.3	1.3	0.3
Medicaid	2.5	2.5	0.4
Other government (Veterans, NIH, Indian Affairs, etc.)	2.4	2.4	0.3
Worker's compensation	4.5	4.5	0.9
Private insurance	1.5	1.5	0.2
Patient (out-of-pocket)	3.3	3.2	0.6
All other patient care sources, not elsewhere classified	4.8	4.4	0.8
Nonpatient Care Revenue			
All other sources	2.6	2.4	0.7
NURSING AND RESIDENTIAL CARE FACILITIES (NAICS 623)			
Patient Care			
Medicare	2.4	2.0	1.0
Medicaid	2.3	2.2	0.8
Other government (Veterans, NIH, Indian Affairs, etc.)	2.7	3.3	1.8
Worker's compensation	(S)	(S)	(S)
Private insurance	3.7	3.6	0.7
Payment from patients and their families	2.6	2.7	0.9
Patients' assigned social security benefits	4.6	4.8	1.4
All other patient care sources, not elsewhere classified	6.7	6.2	1.6
Nonpatient Care Revenue			
All other sources	5.2	4.4	1.7
NURSING CARE FACILITIES (NAICS 6231)			
Patient Care			
Medicare	2.0	1.9	1.1
Medicaid	2.7	2.6	0.8
Other government (Veterans, NIH, Indian Affairs, etc.)	10.8	11.8	3.8
Worker's compensation	(S)	(S)	(S)
Private insurance	3.5	3.5	1.1
Payment from patients and their families	2.8	3.0	0.9
Patients' assigned social security benefits	6.5	7.5	2.1
All other patient care sources, not elsewhere classified	9.3	9.3	1.2
Nonpatient Care Revenue			
All other sources	5.0	3.8	1.8
RESIDENTIAL MENTAL RETARDATION, MENTAL HEALTH AND SUBSTANCE ABUSE FACILITIES (NAICS 6232)			
Patient Care			
Medicare	18.8	16.8	2.5
Medicaid	6.3	5.9	1.3
Other government (Veterans, NIH, Indian Affairs, etc.)	5.6	5.9	1.6
Worker's compensation	(S)	(S)	(S)
Private insurance	12.4	11.2	2.4
Payment from patients and their families	8.5	9.0	1.9
Patients' assigned social security benefits	11.2	11.1	2.2
All other patient care sources, not elsewhere classified	18.9	18.0	2.6
Nonpatient Care Revenue			
All other sources	9.0	8.6	2.2

See footnotes at end of table.

Table A-8.4. **Selected Health Care Services (NAICS 621, 622, and 623)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms by Source: 1998 and 1999—Con.**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
COMMUNITY CARE FACILITIES FOR THE ELDERLY (NAICS 6233)			
Patient Care			
Medicare	8.3	8.0	2.6
Medicaid	5.5	5.5	2.0
Other government (Veterans, NIH, Indian Affairs, etc.)	13.6	14.2	5.1
Worker's compensation	(S)	(S)	(S)
Private insurance	15.4	14.5	3.6
Payment from patients and their families	4.6	4.6	1.5
Patients' assigned social security benefits	11.7	10.9	3.2
All other patient care sources, not elsewhere classified	11.7	12.3	2.8
Nonpatient Care Revenue			
All other sources	5.9	4.5	4.2

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-8.5. **Medical and Diagnostic Laboratories (NAICS 6215)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms by Source: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

Item	1999	1998	Year-to-year ratio 1999/1998
MEDICAL AND DIAGNOSTIC LABORATORIES (NAICS 6215)			
Patient Care			
From health care provider:			
Health practitioners	5.5	4.6	1.6
Hospitals	4.1	3.6	1.0
Outpatient care facilities	14.0	14.4	3.5
All other providers	10.0	9.4	3.5
Directly from individuals or insurers:			
Medicare	7.0	4.9	3.9
Medicaid	6.1	4.3	3.0
Other government (Veteran's, NIH, Indian Affairs, etc.)	16.7	13.1	4.6
Worker's compensation	12.7	14.6	5.0
Private insurance	4.2	4.3	0.9
Patient (out-of-pocket)	4.1	3.9	1.2
Nonpatient Care Revenue:			
All other sources, not elsewhere classified	13.0	11.2	3.6

Table A-9.1. **Arts, Entertainment, and Recreation Services (NAICS 71)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS Code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998
71	Arts, entertainment, and recreation	1.4	1.3	0.4	1.6	1.5	0.6	1.6	1.9	1.0
711	Performing arts, spectator sports, and related industries	3.1	3.1	0.5	3.5	3.5	0.5	2.7	2.6	1.0
7111	Performing arts companies ...	2.8	2.0	1.7	3.5	2.5	2.2	3.8	3.5	1.7
7112	Spectator sports	2.0	1.9	1.3	2.0	1.9	1.3	(X)	(X)	(X)
7113	Promoters of performing arts, sports, and similar events ...	10.0	10.2	1.3	12.7	12.8	1.8	3.6	3.4	1.4
7114	Agents and managers for artists, athletes, entertainers, and other public figures	5.5	5.6	1.9	5.5	5.6	1.9	(X)	(X)	(X)
7115	Independent artists, writers, and performers	8.2	8.3	1.0	8.2	8.3	1.0	(X)	(X)	(X)
712	Museums, historical sites, and similar institutions	3.6	4.5	2.3	9.7	5.7	5.0	3.5	4.8	2.6
713	Amusement, gambling, and recreation industries	1.4	1.2	0.7	1.7	1.3	0.8	3.1	2.9	1.4
7131	Amusement parks and arcades	1.2	0.9	0.7	1.2	0.9	0.7	(X)	(X)	(X)
7132	Gambling industries	2.3	2.4	0.7	2.3	2.4	0.7	(X)	(X)	(X)
7139	Other amusement and recreation industries	1.6	1.4	1.0	2.0	1.6	1.3	3.1	2.9	1.4

X Not applicable.

Table A-9.2. **Arts, Entertainment, and Recreation Services (NAICS 71)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Taxable and Tax-Exempt Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Total			Taxable			Tax-exempt		
		1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998
71	Arts, entertainment, and recreation	1.6	1.5	0.4	1.9	1.8	0.7	1.6	1.9	1.0
711	Performing arts, spectator sports, and related industries	3.9	4.0	0.7	4.6	4.6	0.7	2.7	2.6	1.0
7111	Performing arts companies ...	2.9	2.1	1.8	3.8	2.7	2.4	3.8	3.5	1.7
7112	Spectator sports	2.2	2.0	1.4	2.2	2.0	1.4	(X)	(X)	(X)
711211	Sports teams and clubs	2.9	2.4	1.8	2.9	2.4	1.8	(X)	(X)	(X)
711212	Racetracks	3.3	2.5	2.3	3.3	2.5	2.3	(X)	(X)	(X)
711219	Other spectator sports	13.4	9.9	4.7	13.4	9.9	4.7	(X)	(X)	(X)
7113	Promoters of performing arts, sports, and similar events ...	11.2	11.3	1.4	14.5	14.7	2.0	3.6	3.4	1.4
7114	Agents and managers for artists, athletes, entertainers, and other public figures	6.9	7.0	2.3	6.9	7.0	2.3	(X)	(X)	(X)
7115	Independent artists, writers, and performers	18.0	18.4	1.9	18.0	18.4	1.9	(X)	(X)	(X)
712	Museums, historical sites, and similar institutions	3.7	4.5	2.4	10.3	6.1	5.3	3.5	4.8	2.6
713	Amusement, gambling, and recreation industries	1.5	1.3	0.7	1.8	1.4	0.9	3.1	2.9	1.4
7131	Amusement parks and arcades	1.3	0.9	0.7	1.3	0.9	0.7	(X)	(X)	(X)
71311	Amusement and theme parks	0.8	0.5	0.6	0.8	0.5	0.6	(X)	(X)	(X)
71312	Amusement arcades	7.7	5.2	3.8	7.7	5.2	3.8	(X)	(X)	(X)
7132	Gambling industries	2.3	2.4	0.7	2.3	2.4	0.7	(X)	(X)	(X)
71321	Casinos (except casino hotels)	2.8	2.6	0.9	2.8	2.6	0.9	(X)	(X)	(X)
71329	Other gambling industries ..	4.9	5.4	2.0	4.9	5.4	2.0	(X)	(X)	(X)
7139	Other amusement and recreation industries	1.8	1.6	1.1	2.3	1.8	1.5	3.1	2.9	1.4
71391	Golf courses and country clubs	2.1	2.5	1.4	3.7	3.8	2.2	1.8	2.3	1.6
71392	Skiing facilities	5.5	5.2	1.5	5.5	5.2	1.5	(X)	(X)	(X)
71393	Marinas	4.2	2.9	3.0	4.2	2.9	3.0	(X)	(X)	(X)
71394	Fitness and recreational sports centers	4.1	3.2	2.6	4.8	3.1	3.4	9.1	8.6	2.2
71395	Bowling centers	2.8	2.2	1.7	2.8	2.2	1.7	(X)	(X)	(X)
71399	All other amusement and recreation industries	6.5	5.5	3.0	7.1	6.0	3.4	8.6	8.4	1.9

X Not applicable.

Table A-9.3. **Arts, Entertainment, and Recreation Services (NAICS 71)—Estimated Coefficients of Variation for Expense and Year-to-Year Ratios for Tax-Exempt Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
71	Arts, entertainment, and recreation	1.7	1.8	0.6
711	Performing arts, spectator sports, and related industries	3.1	2.8	1.1
7111	Performing arts companies	4.3	3.8	1.7
7113	Promoters of performing arts, sports, and similar events	3.4	3.3	1.5
712	Museums, historical sites, and similar institutions	3.5	3.6	1.5
713	Amusement, gambling, and recreation industries	3.1	3.2	1.3
7139	Other amusement and recreation industries	3.1	3.2	1.3
71391	Golf courses and country clubs	2.5	2.8	1.4
71394	Fitness and recreational sports centers	8.4	8.7	2.3
71399	All other amusement and recreation industries	8.2	8.0	1.8

Table A-10.1. **Other Services (NAICS 81)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer and Nonemployer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
81	Other services (except public administration, religious, labor, and political organizations, and private households)	1.4	1.2	0.6
811	Repair and maintenance	1.5	1.0	1.0
8111	Automotive repair and maintenance	1.3	1.4	0.9
81111	Automotive mechanical and electrical repair and maintenance ..	1.5	1.5	1.5
81112	Automotive body, paint, interior, and glass repair	1.6	2.0	1.3
81119	Other automotive repair and maintenance	4.7	3.4	1.6
8112	Electronic and precision equipment repair and maintenance	3.3	2.8	1.2
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	3.8	1.8	3.3
8114	Personal and household goods repair and maintenance	4.5	3.1	2.4
81141	Home and garden equipment and appliance repair and maintenance	11.0	6.8	6.3
81142	Reupholstery and furniture repair	3.8	3.6	1.7
81143	Footwear and leather goods repair	6.7	5.8	1.7
81149	Other personal and household goods repair and maintenance ..	3.3	3.1	1.4
812	Personal and laundry services	1.0	0.7	0.6
8121	Personal care services	1.9	1.1	1.2
81211	Hair, nail, and skin care services	1.8	1.1	1.3
812111	Barber shops	0.8	0.6	0.4
812112	Beauty salons	2.1	1.3	1.5
812113	Nail salons	3.9	4.1	1.2
81219	Other personal care services	4.1	3.9	1.9
8122	Death care services	2.3	1.9	1.1
81221	Funeral homes and funeral services	2.9	2.3	1.3
81222	Cemeteries and crematories	4.6	4.2	1.2
8123	Drycleaning and laundry services	2.5	1.5	2.1
81231	Coin-operated laundries and drycleaners	2.9	2.1	2.1
81232	Drycleaning and laundry services (except coin-operated)	5.2	3.3	4.8
81233	Linen and uniform supply	1.4	0.5	1.0
8129	Other personal services	1.0	0.7	0.9
81292	Photofinishing	2.5	1.0	2.5
81293	Parking lots and garages	2.7	1.6	1.5
81299	All other personal services	1.4	1.0	1.0
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	3.5	3.4	0.9

Table A-10.2. Other Services (NAICS 81)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Employer Firms: 1998 and 1999

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Year-to-year ratio 1999/1998
81	Other services (except public administration, religious, labor, and political organizations, and private households)	1.6	1.4	0.7
811	Repair and maintenance	1.7	1.2	1.1
8111	Automotive repair and maintenance	1.5	1.6	1.1
81111	Automotive mechanical and electrical repair and maintenance	1.8	1.7	1.8
811111	General automotive repair	2.4	2.2	2.2
811112	Automotive exhaust system repair	3.7	3.7	1.3
811113	Automotive transmission repair	2.5	2.0	2.9
811118	Other automotive mechanical and electrical repair and maintenance	2.2	3.8	3.6
81112	Automotive body, paint, interior, and glass repair	1.8	2.2	1.5
811121	Automotive body, paint, and interior repair and maintenance	2.3	2.6	1.8
811122	Automotive glass replacement shops	6.2	3.1	4.3
81119	Other automotive repair and maintenance	6.0	4.3	2.0
811191	Automotive oil change and lubrication shops	8.0	5.3	4.5
811192	Car washes	11.4	8.9	2.2
811198	All other automotive repair and maintenance	6.7	4.3	3.2
8112	Electronic and precision equipment repair and maintenance	3.6	3.0	1.3
811211	Consumer electronics repair and maintenance	5.4	4.9	1.8
811212	Computer and office machine repair and maintenance	5.2	4.6	1.3
811213	Communication equipment repair and maintenance	3.7	3.6	2.0
811219	Other electronic and precision equipment repair and maintenance	4.8	2.6	3.8
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	4.2	2.0	3.6
8114	Personal and household goods repair and maintenance	6.7	4.4	3.4
81141	Home and garden equipment and appliance repair and maintenance	13.2	8.0	7.4
81142	Reupholstery and furniture repair	5.6	5.4	2.5
81143	Footwear and leather goods repair	9.9	8.6	2.6
81149	Other personal and household goods repair and maintenance	5.8	5.3	2.6
812	Personal and laundry services	1.4	1.0	0.9
8121	Personal care services	3.1	1.8	2.0
81211	Hair, nail, and skin care services	3.2	1.9	2.2
812111	Barber shops	3.5	2.5	1.9
812112	Beauty salons	3.2	1.9	2.4
812113	Nail salons	11.1	11.3	4.0
81219	Other personal care services	5.8	5.5	2.8
812191	Diet and weight reducing centers	8.1	6.4	4.9
812199	All other personal care services	9.1	9.4	3.5
8122	Death care services	2.4	2.0	1.1
81221	Funeral homes and funeral services	3.1	2.4	1.3
81222	Cemeteries and crematories	4.7	4.3	1.3
8123	Drycleaning and laundry services	2.8	1.6	2.3
81231	Coin-operated laundries and drycleaners	3.7	2.6	2.6
81232	Drycleaning and laundry services (except coin-operated)	5.7	3.7	5.4
81233	Linen and uniform supply	1.4	0.5	1.0
812331	Linen supply	2.2	0.7	1.7
812332	Industrial launderers	1.3	0.6	1.1
8129	Other personal services	2.1	1.4	1.9
81292	Photofinishing	2.6	1.0	2.7
81293	Parking lots and garages	2.8	1.7	1.5
81299	All other personal services	8.2	6.6	6.9
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	3.5	3.4	0.9
8132	Grantmaking and giving services	6.4	6.6	1.2
8133	Social advocacy organizations	10.3	8.0	2.2
8134	Civic and social organizations	4.6	4.5	1.3
8139	Business, professional, and other organizations (except labor and political organizations)	2.4	2.0	1.1

Table A-10.3. **Other Services (NAICS 81)—Estimated Coefficients of Variation for Revenue and Year-to-Year Ratios for Taxable Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	1999	1998	Percent change 1999/1998
81	Other services (except public administration, religious, labor, and political organizations, and private households)	1.1	0.7	0.8
811	Repair and maintenance	1.7	1.2	1.1
8111	Automotive repair and maintenance	1.5	1.6	1.1
81111	Automotive mechanical and electrical repair and maintenance ..	1.8	1.7	1.8
811111	General automotive repair	2.4	2.2	2.2
811112	Automotive exhaust system repair	3.7	3.7	1.3
811113	Automotive transmission repair	2.5	2.0	2.9
811118	Other automotive mechanical and electrical repair and maintenance	2.2	3.8	3.6
81112	Automotive body, paint, interior, and glass repair	1.8	2.2	1.5
811121	Automotive body, paint, and interior repair and maintenance ..	2.3	2.6	1.8
811122	Automotive glass replacement shops	6.2	3.1	4.3
81119	Other automotive repair and maintenance	6.0	4.3	2.0
811191	Automotive oil change and lubrication shops	8.0	5.3	4.5
811192	Car washes	11.4	8.9	2.2
811198	All other automotive repair and maintenance	6.7	4.3	3.2
8112	Electronic and precision equipment repair and maintenance	3.6	3.0	1.3
811211	Consumer electronics repair and maintenance	5.4	4.9	1.8
811212	Computer and office machine repair and maintenance	5.2	4.6	1.3
811213	Communication equipment repair and maintenance	3.7	3.6	2.0
811219	Other electronic and precision equipment repair and maintenance	4.8	2.6	(S)
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	4.2	2.0	3.6
8114	Personal and household goods repair and maintenance	6.7	4.4	3.4
81141	Home and garden equipment and appliance repair and maintenance	13.2	8.0	7.4
81142	Reupholstery and furniture repair	5.6	5.4	2.5
81143	Footwear and leather goods repair	9.9	8.6	2.6
81149	Other personal and household goods repair and maintenance ..	5.8	5.3	2.6
812	Personal and laundry services	1.4	1.0	0.9
8121	Personal care services	3.1	1.8	2.0
81211	Hair, nail, and skin care services	3.2	1.9	2.2
812111	Barber shops	3.5	2.5	1.9
812112	Beauty salons	3.2	1.9	2.4
812113	Nail salons	11.1	11.3	4.0
81219	Other personal care services	5.8	5.5	2.8
812191	Diet and weight reducing centers	8.1	6.4	4.9
812199	All other personal care services	9.1	9.4	3.5
8122	Death care services	2.4	2.0	1.1
81221	Funeral homes and funeral services	3.1	2.4	1.3
81222	Cemeteries and crematories	4.7	4.3	1.3
8123	Drycleaning and laundry services	2.8	1.6	2.3
81231	Coin-operated laundries and drycleaners	3.7	2.6	2.6
81232	Drycleaning and laundry services (except coin-operated)	5.7	3.7	5.4
81233	Linen and uniform supply	1.4	0.5	1.0
812331	Linen supply	2.2	0.7	1.7
812332	Industrial launderers	1.3	0.6	1.1
8129	Other personal services	2.1	1.4	1.9
81292	Photofinishing	2.6	1.0	2.7
81293	Parking lots and garages	2.8	1.7	1.5
81299	All other personal services	8.2	6.6	6.9

S Data do not meet publication standards because of high sampling variability or poor response quality.

Table A-10.4. **Other Services (NAICS 81)—Estimated Coefficients of Variation for Revenue, Expenses, and Year-to-Year Ratios for Tax-Exempt Employer Firms: 1998 and 1999**

[Industry classifications are based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Revenue			Expenses		
		1999	1998	Year-to-year ratio 1999/1998	1999	1998	Year-to-year ratio 1999/1998
813	Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	3.5	3.4	0.9	2.6	2.5	0.7
8132	Grantmaking and giving services	6.4	6.6	1.2	5.0	5.3	1.5
8133	Social advocacy organizations	10.3	8.0	2.2	8.4	8.0	1.8
8134	Civic and social organizations	4.6	4.5	1.3	4.9	5.1	1.4
8139	Business, professional, and other organizations (except labor and political organizations)	2.4	2.0	1.1	2.6	2.7	1.2

Appendix B.

Explanation of Terms

TERMS COMMON TO MULTIPLE NAICS INDUSTRIES

E-commerce receipts/revenue. Sales and receipts from any transaction completed over an Internet, Extranet, EDI network, electronic mail or other online system. Transactions are agreements between buyers and sellers to transfer ownership of, or rights to use, goods or services. Payment for these goods and services may, or may not be, made online. Examples of E-commerce revenue include:

- Revenue from online orders for goods or services placed by a buyer.
- Revenue from online services provided where charges are based on the usage of those services. (e.g., commissions or fees from the use of computerized reservation systems, financial transaction processing systems, etc.)
- Commissions or fees from the trading of securities or the sale of other financial products online.
- Commissions or fees from selling or from facilitating the sale of third party products through a company's Web site.
- Revenue from orders or contracts negotiated online with a buyer and seller on the price and terms for transferring ownership or the rights to use goods and services.
- Revenue from telephone transactions using interactive voice response systems.

Examples of receipts/revenue excluded from E-commerce figures are:

- Online billings where the order or contract was not negotiated online.
- Delivery of services online where the order or contract was not negotiated online.
- Provision of telecommunications and related infrastructure systems (e.g., data transfer, Web hosting, Internet access) where the order or contract for such services was not negotiated online.
- Orders for goods or services placed by facsimile machine or over a switched telephone network.

Establishment. A single physical location where business is conducted or services are performed.

Exports. A tangible or intangible product (e.g., good, license agreement, reproduction right, service) that is sold or transferred to a customer or client (individual, government, business establishment, etc.) located outside the United States (i.e., outside of the 50 states, District of Columbia, U.S. Commonwealth Territories, or U.S. possessions). Products transferred to, sold to, or services performed for unaffiliated or affiliated foreign firms (i.e., foreign parent firms, subsidiaries, branches, etc.) are included. Products provided to domestic subsidiaries of foreign firms are excluded.

Firm. A business organization or entity consisting of one or more domestic establishments/locations under common ownership or control.

Total expenses. (Basic dollar volume measure of expenses for firms exempt from federal income tax.) Costs incurred during the survey year whether or not payments were made in that year. Total expenses include annual payroll; employee benefits, interest, and rent expenses; supplies used for operating; cost of merchandise sold; and other expenses allocated to operations during the year. Also included are contracted or purchased services; fees paid to other organizations for fundraising; depreciation expenses; and expenses of locations providing support services (e.g., repair services, administrative services, etc.) for service establishments.

Total expenses exclude outlays for the purchase of real estate (land and buildings); for construction; for additions, major alterations, and improvements to existing facilities; all other capital expenditures; funds invested; income taxes; assessments (dues) paid to the parent or other chapters of the same organization. Firms engaged in raising funds, exclude funds that are transferred to charities or other organizations.

Federal income tax status. Firms that indicate all or part of their income are exempt from federal income tax under provision of Sections 501 or 521 of the Internal Revenue Service are classified as tax-exempt. Firms indicating no such exemption are classified as taxable. For all firms, the tax status classification is based upon administrative records.

Total operating expenses. Costs incurred during the survey year, even though payment may be made at a later date. Excludes interest on loans and sales taxes and other taxes collected from customers and paid directly to a taxing authority.

Total operating revenue. Includes charges or billings for services rendered and any sales of merchandise during the survey year, even though payments may be received at a later date.

Excludes income from interest, investments, gifts, loans, contributions or grants; the sale of securities, real estate, etc; sales taxes or other taxes collected from customers and remitted directly by the firm to a local, state, or federal tax agency; revenue from the sale of merchandise and equipment from retail establishments; and revenue from a domestic parent organization, or from franchise locations owned by others and any franchise or license fees.

Total revenue. (Basic dollar volume measure for firms exempt from federal income tax.) Charges or billings to customers or clients for services rendered and merchandise sold during the survey year whether or not payment was received in that year. Also includes income from interest, dividends, contributions, gifts and grants, rents, royalties, dues and assessments from members and affiliates, and net receipts from fundraising activities. Receipts from taxable business activities, as well as tax-exempt activities are included.

Excludes sales taxes or other taxes (real estate, admissions, etc.) collected by the organization from customers or clients and paid directly to local, state, or federal income tax agencies; income from the sale of real estate, investments, or other assets; or amounts transferred to operating funds from capital or reserve funds. Firms providing legal services report payments received in the survey year regardless of when services are rendered.

Taxes. Includes sales, amusement, and other taxes collected directly from customers and paid directly to a local, state, or federal tax agency.

TERMS SPECIFIC TO INDIVIDUAL NAICS INDUSTRIES

NAICS 48: TRUCK TRANSPORTATION

Classification of Commodities Handled

Agricultural products and fish. Includes live animals, poultry, fish, unprocessed cereal grains such as wheat and corn, and other agricultural products including fruits, vegetables, non-alcoholic beverages, cut flowers, and live plants.

Grains, alcohol, and tobacco products. Includes milled grain products and preparations, other prepared foodstuff; beer, wine, and other alcoholic beverages; and tobacco products including cigarettes, cigars, and chewing tobacco.

Stone, nonmetallic minerals, and metallic ores. Includes monument or building stone, natural sands, gravel and crushed stone, mined salt, natural calcium

and aluminum phosphates, asbestos, other non-metallic minerals, and metallic ores and concentrates such as iron ore, copper ore, and zinc ore.

Coal and petroleum products. Includes coal, crude petroleum, gasoline and aviation fuel, diesel fuel and light fuel oils, lubricating oils and greases, and basic chemicals.

Pharmaceutical and chemical products. Includes pharmaceutical products, chemical products, paints and varnishes, soap and cleaning products, insecticides, fertilizers, primary plastics and finished plastic products, and rubber products including tires and inner tubes.

Wood products, textiles, and leather. Includes logs and other rough wood, particle board, plywood, fiberboard, pulp, newsprint, paper, and paperboard products. Textile products include yarns and woven products of natural or synthetic materials, carpets and other textile floor coverings, and textile clothing. Leather products include footwear, headgear, and other articles of leather.

Base metal and machinery. Includes metal products such as pipes, ingots, metal doors, basic wire, cable, fencing, tools, etc. Machinery includes boilers, turbines, refrigerating and air-conditioning equipment, textile machines, and other mechanical machinery and equipment.

Electronics, motorized vehicles, and precision instruments. Includes electrical equipment such as computers, electric motors, generators, office equipment, television sets, radios and stereo equipment, semi-conductors, and other electrical equipment. Motorized vehicles include automobiles, vans, road tractors, farm tractors, motor homes, motorcycles, and other vehicles. Precision instruments include photographic, cinematographic, and photocopying equipment, clocks and watches, instruments used in medical, surgical, or veterinary sciences, and measuring, checking, or automatic control instruments and apparatus.

Used household and office goods. Includes used furniture, appliances, and miscellaneous office products.

New furniture and miscellaneous manufactured products. Includes new furniture, mattresses and mattress supports, and miscellaneous manufactured products.

Other. Includes scrap, garbage, trash, septic tank waste, industrial water, mixed cargo (including delivery of small packages), etc.

Classification of Distance Traveled

Local trucking. Carriers primarily engaged in furnishing trucking or transfer services, with or without storage, within a city, town, or other local area including adjoining municipalities or suburban areas.

Long-distance trucking. Carriers primarily engaged in furnishing “over-the-road” trucking services, either as a common carrier or under special or individual contract or agreement.

Classification of Shipments by Origin and Destination

U.S. to U.S. Shipments that originated from and were destined to locations in the United States.

U.S. to Canada. Shipments that originated from the U.S. and were destined to locations in Canada.

U.S. to Mexico. Shipments that originated from the U.S. and were destined to locations in Mexico.

Canada to U.S. Shipments that originated from Canada and were destined to locations in the U.S.

Mexico to U.S. Shipments that originated from Mexico and were destined to locations in the U.S.

Other. Includes shipments that originated from and were destined to locations in each of the following country combinations: Canada to Canada, Canada to Mexico, Mexico to Canada, and Mexico to Mexico.

Classification of Shipment Size

Less-than-truckload. Shipments with an actual weight of less than 10,000 pounds.

Truckload. Shipments with an actual weight of 10,000 pounds or more.

Motor carrier revenue. Includes charges or billings for the transportation of freight by motor vehicles including the rental and leasing of vehicles with drivers.

Other operating revenue. Includes sales from the operation of lunchrooms and restaurants; revenue from parking and storage of vehicles; revenue from snowplow work; revenue from other carriers for the use of terminal facilities operated by the firm including amounts billed separately for repair services; revenue from the short-term rental or extended-term leasing (with or without maintenance) of trailers, trucks, and truck-tractors, without drivers; fair sales value of merchandise marketed under

capital, finance or full-payout leases; revenue from commissions for providing brokerage services, making payroll deductions, or collecting freight charges from other carriers.

Excludes nonoperating revenue such as income from investments, loans, the sale of securities, real estate, etc.

NAICS 51: INFORMATION

NAICS 5111: NEWSPAPER, PERIODICAL, BOOK, AND DATABASE PUBLISHERS.

Advertising sales from printed copies. Revenue from creating and designing advertising campaigns that appear and/or are attached with printed publications (i.e., revenue from run of press and preprint advertising).

Electronic Sales. Revenue from transactions in goods or services for which a firm has accounted as sales and completed over an Internet, Intranet, EDI, or other online system.

Other revenue. Revenue from marketing research services, revenue from renting and selling mailing lists, and other related direct mail advertising services.

Revenue from sales of electronic or nonprinted material (Audio books). Revenue from the sales of publications in audio cassette or compact disc format.

Revenue from sales of electronic or nonprinted material (Multimedia). Revenue from the sales of publications that are produced and sold on solid media, including but not limited to computer diskettes, CD-ROMs, or videotapes. Excludes revenue from the sale of audio books and online books.

Revenue from sales of electronic or nonprinted material (online). Revenue from the sales of publications that are sold on the basis that they are downloaded from an online source such as the Internet. Excludes revenue from the sale of audio books and multi-media books.

Revenue from the sale of printed material. Revenue from the sales of publications produced on paper.

Revenue from the sale of publication rights. Revenue received from another organization for the right to reproduce all or part of a work of intellectual property. The reproduction can be in any format, including, but not limited to, magazine piece, book club or paperback edition, toy, foreign translation, movie or digital version.

NAICS 5112: SOFTWARE PUBLISHERS

Consumer applications revenue. Revenue from software developed primarily for home-based use; examples include home-based education packages, game and entertainment software, and home productivity software such as personal finance and personal creativity applications.

Cross-industry applications. Revenue from software developed primarily for general business use on non-network, stand-alone personal computers. Includes word processing products, spreadsheet software, and graphics design applications. Excludes revenue from operating system software for all non-mainframe platforms.

Electronic commerce enabling technologies and software. Revenue from software developed primarily to facilitate business conducted over networks using open, nonproprietary communication protocols. Includes Web site management software, transaction processing software, Internet security packages, and electronic software distribution (ESD) technology.

Enterprise software. Revenue from software developed primarily for network-based computers. Excludes revenue from mainframe computer software.

Internet access fees. Revenue from Internet access providers supplying only Internet access and revenue from subscription fees for online information services.

Mainframe computer software. Revenue from software developed primarily for mainframe-based computers. Includes revenue for software designed to run in a centralized fashion.

Personal computer software revenue. Revenue from software developed primarily for non-network, stand-alone personal computers. Excludes all non-mainframe operating system software.

Systems and systems management software revenue. Revenue from operating systems and systems management software developed primarily for all non-mainframe platforms, including minicomputers, workstations, stand-alone PCs, LAN-based PCs, and client/server systems. Excludes revenue from mainframe-based operating system software.

Vertical market applications. Revenue from software developed primarily for industry-specific use on non-network, stand-alone personal computers. Includes banking, health care, insurance, and engineering design software.

NAICS 513: BROADCASTING AND COMMUNICATIONS

Access charges (telephone firms only). Payments to local exchange carriers for access to their networks. Includes fees for leased facilities, interconnection fees for cellular phone services, and access charges paid to foreign companies for international calls originating in the United States.

Advertising revenue. Revenue from the sale of time to advertisers or sponsors for national, spot and local advertising; classified channels; and program guides and other printed material. Excludes commissions paid to agency representatives and brokers.

Annual payroll. All salaries, wages, commissions, bonuses, and allowances for vacation, holiday, and sick leave paid to employees during the survey year. For corporations, it includes amounts paid to officers and executives; for unincorporated businesses, it does not include payments to proprietors or partners. Annual payroll is reported on a cash basis before employee deductions for Social Security, withholding taxes, insurance, union dues, etc.

Basic service tier revenue. Subscription fees received from residential and commercial customers for basic and nonbasic service tiers.

Broadcast rights and music license fees (radio and television broadcasting firms only). The cost of broadcast rights to feature films, syndicated programming, sport events, etc. Also includes the cost of music license fees payable to music licensing organizations.

Cellular and other radiotelephone revenue. Revenue from cellular and general radio telecommunications. Excludes revenue from installation fees and equipment sales.

Cost of purchased advertising. The cost of purchased advertising including payments to other firms for printing, media, and other services and materials used for advertising.

Cost of purchased communications and utilities. The cost of nonrevenue-generating purchased communication services such as telephone, telex, telegraph, teletype, etc. Also includes the cost of purchased utilities, including electricity; fuels consumed for heat, power or generating electricity; water; sewer; and refuse removal. Excludes payments for these utility services, if included as part of a lease or rental agreement.

Cost of purchased repairs. Payments made to other companies for repairs. Includes repair cost on buildings, offices, and structures, communication systems, vehicles,

and other machinery and equipment. Excludes repair costs included as part of a lease or rental agreement, improvements for which depreciation accounts are maintained, and repairs performed by employees of the company or its subsidiaries.

Depreciation. Depreciation charges on assets owned by the company. Includes depreciation on assets rented or leased to others by the company under an operating lease agreement. Also includes depreciation against assets owned by the company within lease holds and assets obtained through capital lease agreements. Examples include depreciation on buildings, offices and structures, communication systems, vehicles, machinery, and equipment, and other tangible assets. Excludes depreciation on intangible assets and assets leased to others by the company under a capital lease agreement. These charges are not adjusted for the value of depreciable assets sold or traded for replacement purposes.

Directory advertising revenue. Revenue from alphabetical and classified sections of directories, including amounts charged for additional and bold face listings, marginal displays, inserts and other advertisements. Excludes other directory revenue (i.e. revenue from sale of directories, charges for unlisted numbers, etc.).

Employer contributions for employee benefit plans (reported on a cash basis) Plans required under federal and state legislation. Includes the employer's cost for all legally required programs, such as Social Security and Medicare (FICA), worker's compensation insurance, unemployment tax, state disability insurance programs, etc.

Lease and rental. Payments made to other companies for the rental and leasing of assets owned by them. Includes lease and rental costs on buildings, offices, and structures, communication systems, vehicles, and other machinery and equipment. Excludes payments to a parent company or organization or any of its subsidiaries, and installment payments for assets obtained through capital lease agreements.

Local advertising revenue. Revenue from the sale of station time to local advertisers or sponsors. Includes trade-outs and barter, and political advertising revenue. Excludes commissions paid to agency representatives and brokers.

Local service revenue - wired. Revenue from services provided within the basic service area. Includes extended area revenue; local private line revenue; customer premises revenue; revenue from public telephone services provided within the basic service area; and other local exchange revenue, such as directory assistance, touch-tone line services, call forwarding, and call waiting. Excludes cellular and other mobile services revenue.

Long-distance service revenue - wired. Revenue from providing message services that terminate beyond the basic service area. Includes message services that utilize the public long-distance switching network and the basic subscriber access line, and operator assistance or special billings directly related to these calls; and revenue received from international calls originating in the United States, including that portion paid to foreign companies for access to their networks.

National/regional advertising revenue. Revenue from the sale of station time to national and regional advertisers or sponsors. Includes trade-outs and barter, and political advertising revenue. Excludes commissions paid to agency representatives and brokers are excluded.

Network access revenue. Revenue from providing exchange access services to an inter-exchange carrier or to an end-user of telecommunications services beyond the exchange carrier's network and access revenue for calls originating in foreign countries. Includes per minute access charges, subscriber line charges and primary inter-exchange carrier charges, special access line charges, and settlement revenue from foreign carriers.

Network compensation fees (radio and television networks only). The cost of programming time purchased from affiliated and independent stations. Excludes the cost of programming time purchased from stations owned by the network.

Network compensation revenue. Revenue from the sale of station time to networks. Excludes compensation paid to stations owned by the network.

Network time sales: Advertising revenue (networks only). Network revenue from advertising sales. Excludes commissions paid to agency representatives and brokers.

Operating Expenses Costs incurred during the survey year even though payment may be made at a later date. Exceptions are annual payroll and employer contributions for employee benefits, that are reported on a cash basis. Excludes interest on loans and sales taxes and other taxes collected from customers and paid directly to a taxing authority.

Other cable and pay TV revenue. Revenue from all other cable and pay television services such as service charges, rental or lease of channel capacity, etc. Includes system operator's revenue from shop-at-home programs.

Other communication services revenue. Revenue from all other point-to-point communication services, including satellite communications and radar station operations.

Other fringe benefit plans. The employer's cost for programs not required by law such as pension plans, stock purchase plans, union-negotiated benefits, life insurance benefits, insurance premiums for hospital and medical plans, etc.

Other operating expenses. Includes other operating expenses, such as billing services; news gathering services; rating services; travel expenses; dues and subscriptions; accounting and legal fees; office of computer software purchased under licensing agreements. Also includes cost of insurance (less workers compensation premiums). Excludes interest on loans, income taxes, and local sales and excise taxes.

Other operating revenue (Radio and television broadcasting). Includes revenue from retransmission consent; the use of talent services, and technical facilities; management fees; and revenue from the production and/or distribution of programs, except when the production/distribution is provided by separate establishments of the company. Also includes satellite truck rental revenue. Excludes tower rental revenue.

Other operating revenue (Telecommunications). Includes revenue from the sale or lease of communication equipment (the fair sales value of merchandise marketed under capital, finance, or "full payout" leases); revenue from the rental of telecommunications plant or equipment furnished apart from services rendered; operating and maintenance activities provided for others; special billing arrangements for customers; billing and collection services provided to other telecommunications firms; directory revenue from other than advertising services; installation fees; and services such as general accounting, financial, legal, etc. provided to firms under a license, general contract, or other agreement, as well as the sale of merchandise and equipment. Excludes the sale of merchandise and equipment from retail establishments, sales or other taxes collected from customers and paid directly to a taxing authority, and nonoperating revenue such as the sale of investments, securities, real estate, etc.

Program and production costs (cable television firms only). The costs for providing basic cable services, pay or premium television services, original programs produced or developed in-house, talent fees, music license fees, the value of bartered programming, and all other costs of programming and production. Excludes payroll and employer contributions to employee benefit programs.

Program revenue. Revenue from system operators and other customers for programming services.

NAICS 523: SECURITIES, COMMODITY CONTRACTS, AND OTHER FINANCIAL INVESTMENTS AND RELATED ACTIVITIES.

CMO - Collateralized Mortgage Obligation. A security backed by a pool of pass-through rates, structured so that there are several classes of bondholders with varying maturities called tranches. The principal payments from the underlying pool of pass-through securities are used to retire the bonds on a priority basis as specified in the prospectus.

Fiduciary - (trust, custody and escrow). One in whom trust and confidence is placed; a reference to a broker employed under the terms of a listing contract or buyer agency agreement, etc. Examples can also be extended to those responsible for managing another's assets. Fiduciaries include executors of wills and estates, trustees, receivers of bankruptcy, and those responsible for managing the finances of a minor.

MBS - Mortgage-Backed securities. Investment instruments backed by a pool of mortgage loans.

REMIC - Real Estate Mortgage Investment Conduit.

A pass-through tax entity that can hold mortgages secured by any type of real property and can issue multiple classes of ownership interests to investors in the form of pass-through certificates, bonds, or other legal forms.

12b-1 fees. The money a fund charges for marketing and distribution. They are charged on top of a front or back-end load, and many no-load funds also charge them. The charges are allowed under the SECs Rule 12b-1.

NAICS 54: PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES

Computer integrated systems design services.

Revenue from planning and designing computer systems that integrate computer hardware, software, and communications technologies. The hardware and software components of the system may be provided by one company or may be provided by third parties or vendors. Includes revenue from installing systems, as well as revenue from training and supporting users of the system.

Computer rental and leasing services. Revenue from the rental and leasing of computer and data processing equipment. Includes maintenance when part of the lease agreement.

Computer systems management services. Revenue from providing on-site management and operation of clients' computer systems and/or data processing services.

Custom computer programming services. Revenue from writing, modifying, testing, and supporting computer software to meet the needs of specific customers.

Software publishing. Revenue from designing, developing, and producing packaged software. Also includes revenue from assisting in software installation and from providing support services to software purchases, and from reselling packaged software.

NAICS 62: HEALTH CARE AND SOCIAL ASSISTANCE

Offices and clinics of health practitioners and nursing and personal care facilities.

Government reimbursement for patient services. Includes revenue from government reimbursement for patient services (Medicare, Medicaid, and other government programs including veterans' programs).

Other sources of funds. Includes Revenue from all other government operating subsidies, matching funds, and government contracts. Tax-exempt firms include revenue from interest, dividends, gross contributions and grants, rents, and royalties.

Patient (out of pocket). Includes revenue from payments to nursing and personal care facilities from patients, including any Social Security assigned from those patients.

Private insurance carriers. Includes revenue from private insurance and medical service plans (Blue Cross/Blue Shield, group hospital plans, etc).

Worker's compensation. Includes revenue from insurance against liability imposed on employers to pay benefits and furnish care to employees injured, and to pay benefits to dependents of employees killed in the course of employment.

Appendix C.

NAICS Codes, Titles, and Descriptions

484 Truck Transportation

Industries in the Truck Transportation subsector provide over-the-road transportation of cargo using motor vehicles, such as trucks, truck-tractors, and trailers. The subsector is subdivided into general freight trucking and specialized freight trucking. This distinction reflects differences in equipment used, type of load carried, scheduling, terminal, and other networking services. General freight transportation establishments handle a wide variety of general commodities, generally palletized, and transported in a container or van trailer. Specialized freight transportation is the transportation of cargo that, because of size, weight, shape, or other inherent characteristics require specialized equipment for transportation.

Each of these industry groups is further subdivided based on distance traveled. Local trucking establishments primarily carry goods within a single metropolitan area and its adjacent nonurban areas. Long-distance trucking establishments carry goods between metropolitan areas.

The Specialized Freight Trucking industry group includes a separate industry for Used Household and Office Goods Moving. The household and office goods movers are separated because of the substantial network of establishments that has been developed to deal with local and long-distance moving and the associated storage. In this area, the same establishment provides both local and long-distance services, while other specialized freight establishments generally limit their services to either local or long-distance hauling.

48411 General Freight Trucking, Local

This industry comprises establishments primarily engaged in providing local general freight trucking. General freight establishments handle a wide variety of commodities, generally palletized and transported in a container or van trailer. Local general freight trucking establishments usually provide trucking within a metropolitan area which may cross state lines. Generally the trips are same-day return.

484121 General Freight Trucking, Long-Distance, Truckload

This industry comprises establishments primarily engaged in providing long-distance general freight truckload (TL) trucking. These long-distance general freight truckload carrier establishments provide full truck movement of freight from origin to destination.

484122 General Freight Trucking, Long-Distance, Less Than Truckload

This industry comprises establishments primarily engaged in providing long-distance, general freight, less than truckload (LTL) trucking. LTL carriage is characterized as multiple shipments combined into a single truck for multiple deliveries within a network. These establishments are generally characterized by the following network activities: local pickup, local sorting and terminal operations, line-haul, destination sorting and terminal operations, and local delivery.

48421 Used Household and Office Goods Moving

This industry comprises establishments primarily engaged in providing local or long-distance trucking of used household, used institutional, or used commercial furniture and equipment. Incidental packing and storage activities are often provided by these establishments.

48422 Specialized Freight (Except Used Goods) Trucking, Local

This industry comprises establishments primarily engaged in providing local, specialized trucking. Local trucking establishments provide trucking within a metropolitan area that may cross state lines. Generally the trips are same-day return.

48423 Specialized Freight (Except Used Goods) Trucking, Long-Distance

This industry comprises establishments primarily engaged in providing long-distance specialized trucking. These establishments provide trucking between metropolitan areas that may cross North American country borders.

4921 Couriers

This industry comprises establishments primarily engaged in providing air, surface, or combined courier delivery services of parcels generally between metropolitan areas or urban centers. The establishments of this industry form a network including courier local pickup and delivery to serve their customers' needs.

4922 Local Messengers and Local Delivery

This industry comprises establishments primarily engaged in providing local messenger and delivery services of small items within a single metropolitan or within an

urban center. These establishments generally provide point-to-point pickup and delivery and do not operate as part of an intercity courier network.

49311 General Warehousing and Storage

This industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

49312 Refrigerated Warehousing and Storage

This industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

49313 Farm Product Warehousing and Storage

This industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

49319 Other Warehousing and Storage

This industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

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.

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.

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.

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.

511191 Greeting Card Publishers

This industry comprises establishments primarily engaged in publishing greeting cards. These locations may publish works in print or electronic form.

511199 All Other Publishers

This 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. Examples include art print publishers, atlas publishers, calendar publishers, map publishers, and street map guide publishers.

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.

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.

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.

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.

512191 Teleproduction and Other Postproduction Services

This 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.

512199 Other Motion Picture and Video Industries

This 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).

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.

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.

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.

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.

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.

513111 Radio Networks

This 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.

513112 Radio Stations

This 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.

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.

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.

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.

513310 Wired Telecommunications Carriers

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

513321 Paging

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

513322 Cellular and Other Wireless Telecommunications

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

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.

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.

51339 Other Telecommunications

This industry comprises establishments primarily engaged in providing specialized telecommunications applications, such as satellite tracking, communications telemetry, and radar station operations; or 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.

51411 News Syndicates

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

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.

514191 Online Information Services

This 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.

514199 All Other Information Services

This 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.

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.

52311 Investment Banking and Securities Dealing

This industry comprises establishments primarily engaged in underwriting, originating, and/or maintaining markets for issues of securities. Investment bankers act as principals (i.e., investors who buy or sell on their own account) in firm commitment transactions or act as agents in best effort and standby commitments. This industry also includes establishments acting as principals in buying or selling securities generally on a spread basis, such as securities dealers or stock option dealers.

52312 Securities Brokerage

This industry comprises establishments primarily engaged in acting as agents (i.e., brokers) between buyers and sellers in buying or selling securities on a commission or transaction fee basis.

52313 Commodity Contracts Dealing

This industry comprises establishments primarily engaged in acting as principals (i.e., investors who buy or sell for their own account) in buying or selling spot or futures commodity contracts or options, such as precious metals, foreign currency, oil, or agricultural products, generally on a spread basis.

52314 Commodity Contracts Brokerage

This industry comprises establishments primarily engaged in acting as agents (i.e., brokers) in buying or selling spot or future commodity contracts or options on a commission or transaction fee basis.

52392 Portfolio Management

This industry comprises establishments primarily engaged in managing the portfolio assets (i.e., funds) of others on a fee or commission basis. Establishments in this industry have the authority to make investment decisions, and they derive fees based on the size and/or overall performance of the portfolio.

52393 Investment Advice

This industry comprises establishments primarily engaged in providing customized investment advice to clients on a fee basis, but do not have the authority to execute trades. Primary activities performed by establishments in this industry are providing financial planning advice and investment counseling to meet the goals and needs of specific clients.

53211 Passenger Car Rental

This industry comprises establishments primarily engaged in renting passenger cars without drivers, generally for short periods of time.

53212 Passenger Car Leasing

This industry comprises establishments primarily engaged in leasing passenger cars without drivers, generally for long periods of time.

53212 Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing

This industry comprises establishments primarily engaged in renting or leasing, without drivers, one or more of the following: trucks, truck tractors or buses: semitrailers, utility trailers, or RVs (recreational vehicles).

53221 Consumer Electronics and Appliances Rental

This industry comprises establishments primarily engaged in renting consumer electronics equipment and appliances, such as televisions, stereos, and refrigerators. Included in this industry are appliance rental centers.

53222 Formal Wear and Costume Rental

This industry comprises establishments primarily engaged in renting clothing, such as formal wear, costumes (e.g., theatrical), or other clothing (except laundered uniforms and work apparel).

53223 Video Tape and Disk Rental

This industry comprises establishments primarily engaged in renting prerecorded video tapes and disks for home electronic equipment.

532291 Home Health Equipment Rental

This industry comprises establishments primarily engaged in renting home-type health and invalid equipment, such as wheel chairs, hospital beds, oxygen tanks, walkers, and crutches.

532292 Recreational Goods Rental

This industry comprises establishments primarily engaged in renting recreational goods, such as bicycles, canoes, motorcycles, skis, sailboats, beach chairs, and beach umbrellas.

532299 All Other Consumer Goods Rental

This industry comprises establishments primarily engaged in renting consumer goods and products (except consumer electronics and appliances; formal wear and costumes; prerecorded video tapes and discs for home electronic equipment; home health furniture and equipment; and recreational goods). Included in this industry are furniture rental centers and party rental supply centers.

5323 General Rental Centers

This industry comprises establishments primarily engaged in renting a range of consumer, commercial, and industrial equipment. Establishments in this industry typically operate from conveniently located facilities where they maintain inventories of goods and equipment that they rent for short periods of time. The type of equipment that establishments in this industry provide often includes, but is not limited to: audio-visual equipment, contractors and builders tools and equipment, home repair tools, lawn and garden equipment, moving equipment and supplies, and party and banquet equipment and supplies.

5324 Commercial and Industrial Machinery and Equipment Rental and Leasing

This industry group comprises establishments primarily engaged in renting or leasing commercial-type and industrial-type machinery and equipment. The types of establishments included in this industry group are generally involved in providing capital or investment-type equipment that clients use in their business operations. These establishments typically cater to a business clientele and do not generally operate a retail-like or store-front facility.

53241 Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing

This industry comprises establishments primarily engaged in renting or leasing one or more of the following without operators: heavy construction, off-highway transportation, mining, and forestry machinery and equipment.

53242 Office Machinery and Equipment Rental and Leasing

This industry comprises establishments primarily engaged in renting or leasing office machinery and equipment, such as computers, office furniture, duplicating machines (i.e., copiers), or facsimile machines.

53249 Other Commercial and Industrial Machinery and Equipment Rental and Leasing

This industry comprises establishments primarily engaged in renting or leasing nonconsumer-type machinery and equipment (except heavy construction, transportation, mining, and forestry machinery and equipment without operators; and office machinery and equipment). Establishments in this industry rent or lease products, such as, manufacturing equipment; metalworking, telecommunications, motion picture, or theatrical machinery and equipment; institutional (i.e., public building) furniture, such as furniture for schools, theaters, or buildings; or agricultural equipment without operators.

5411 Legal Services

This NAICS industry group includes establishments classified in the following NAICS industries: 54111, Offices of Lawyers; and 54119, Other Legal Services.

54111 Offices of Lawyers

This industry comprises offices of legal practitioners known as lawyers or attorneys (i.e., counselors-at-law) primarily engaged in the practice of law. Establishments in this industry may provide expertise in a range or in specific areas of law, such as criminal law, corporate law, family and estate law, patent law, real estate law, or tax law.

54119 Other Legal Services

This industry comprises establishments (except offices of lawyers and attorneys) primarily engaged providing specialized legal or paralegal services.

5412 Accounting, Tax Preparation, Bookkeeping, and Payroll Services

This industry comprises establishments primarily engaged in providing services, such as auditing of accounting records, designing accounting systems, preparing financial statements, developing budgets, preparing tax returns, processing payrolls, bookkeeping, and billing.

541211 Offices of Certified Public Accountants

This industry comprises establishments of accountants that are certified to audit the accounting records of public and private organizations and to attest to compliance with generally accepted accounting practices. Offices of certified public accountants (CPAs) may provide one or more of the following accounting services: (1) auditing financial statements; (2) designing accounting systems; (3) preparing financial statements; (4) developing budgets; and (5) providing advice on matters related to accounting. These establishments may also provide related services, such as bookkeeping, tax return preparation, and payroll processing.

541213 Tax Preparation Services

This industry comprises establishments (except offices of CPAs) engaged in providing tax return preparation services without also providing accounting, bookkeeping, billing, or payroll processing services. Basic knowledge of tax law and filing requirements is required.

541214 Payroll Services

This industry comprises establishments (except offices of CPAs) engaged in the following without also providing accounting, bookkeeping, or billing services: (1) collecting information on hours worked, pay rates, deductions, and other payroll-related data from their clients and (2) using

that information to generate paychecks, payroll reports, and tax filings. These establishments may use data processing and tabulating techniques as part of providing their services.

541219 Other Accounting Services

This industry comprises establishments (except offices of CPAs) engaged in providing accounting services (except tax return preparation services only or payroll services only). These establishments may also provide tax return preparation or payroll services. Accountant (except CPA) offices, bookkeeper offices, and billing offices are included in this industry.

54131 Architectural Services

This industry comprises establishments primarily engaged in planning and designing residential, institutional, leisure, commercial, and industrial buildings and structures by applying knowledge of design, construction procedures, zoning regulations, building codes, and building materials.

54133 Engineering Services

This industry comprises establishments primarily engaged in applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, structures, processes, and systems. The assignments undertaken by these establishments may involve any of the following activities: provision of advice, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.

54134 Drafting Services

This industry comprises establishments primarily engaged in drawing detailed layouts, plans, and illustrations of buildings, structures, systems, or components from engineering and architectural specifications.

54135 Building Inspection Services

This industry comprises establishments primarily engaged in providing building inspection services. These establishments typically evaluate all aspects of the building structure and component systems and prepare a report on the physical condition of the property, generally for buyers or others involved in real estate transactions. Building inspection bureaus and establishments providing home inspection services are included in this industry.

54136 Geophysical Surveying and Mapping Services

This industry comprises establishments primarily engaged in gathering, interpreting, and mapping geophysical data. Establishments in this industry often specialize in locating

and measuring the extent of subsurface resources, such as oil, gas, and minerals, but they may also conduct surveys for engineering purposes. Establishments in this industry use a variety of surveying techniques depending on the purpose of the survey, including magnetic surveys, gravity surveys, seismic surveys, or electrical and electromagnetic surveys.

54137 Surveying and Mapping (Except Geophysical) Services

This industry comprises establishments primarily engaged in performing surveying and mapping services of the surface of the earth, including the sea floor. These services may include surveying and mapping of areas above or below the surface of the earth, such as the creation of view easements or segregating rights in parcels of land by creating underground utility easements.

54138 Testing Laboratories

This industry comprises establishments primarily engaged in performing physical, chemical, and other analytical testing services, such as acoustics or vibration testing, assaying, biological testing (except medical and veterinary), calibration testing, electrical and electronic testing, geotechnical testing, mechanical testing, nondestructive testing, or thermal testing. The testing may occur in a laboratory or on-site.

54141 Interior Design Services

This industry comprises establishments primarily engaged in planning, designing, and administering projects in interior spaces to meet the physical and aesthetic needs of people using them, taking into consideration building codes, health and safety regulations, traffic patterns and floor planning, mechanical and electrical needs, and interior fittings and furniture. Interior designers and interior design consultants work in areas, such as hospitality design, health care design, institutional design, commercial and corporate design, and residential design. This industry also includes interior decorating consultants engaged exclusively in providing aesthetic services associated with interior spaces.

54142 Industrial Design Services

This industry comprises establishments primarily engaged in creating and developing designs and specifications that optimize the use, value, and appearance of their products. These services can include the determination of the materials, construction, mechanisms, shape, color, and surface finishes of the product, taking into consideration human characteristics and needs, safety, market appeal, and efficiency in production, distribution, use, and maintenance. Establishments providing automobile or furniture industrial design services or industrial design consulting services are included in this industry.

54143 Graphic Design Services

This industry comprises establishments primarily engaged in planning, designing, and managing the production of visual communication in order to convey specific messages or concepts, clarify complex information, or project visual identities. These services can include the design of printed materials, packaging, advertising, signage systems, and corporate identification (logos). This industry also includes commercial artists engaged exclusively in generating drawings and illustrations requiring technical accuracy or interpretative skills.

54149 Other Specialized Design Services

This industry comprises establishments primarily engaged in providing professional design services (except architectural, landscape architecture, engineering, interior, industrial, graphic, and computer system design).

541511 Custom Computer Programming Services

This industry comprises establishments primarily engaged in writing, modifying, testing, and supporting software to meet the needs of a particular customer.

541512 Computer Systems Design Services

This industry comprises establishments primarily engaged in planning and designing computer systems that integrate computer hardware, software, and communication technologies. The hardware and software components of the system may be provided by this establishment or company as part of integrated services or may be provided by third parties or vendors. These establishments often install the system and train and support users of the system.

541513 Computer Facilities Management Services

This industry comprises establishments primarily engaged in providing on-site management and operation of clients' computer systems and/or data processing facilities. Establishments providing computer systems or data processing facilities support services are included in this industry.

541519 Other Computer Related Services

This industry comprises establishments primarily engaged in providing computer related services (except custom programming, systems integration design, and facilities management services). Establishments providing computer disaster recovery services or software installation services are included in this industry.

54161 Management Consulting Services

This industry comprises establishments primarily engaged in providing advice and assistance to businesses and other organizations on administrative management issues, such as strategic and organizational planning, financial

planning and budgeting, marketing objectives and policies, human resource policies, practices, and planning; production scheduling; and control planning.

54162 Environmental Consulting Services

This industry comprises establishments primarily engaged in providing advice and assistance to businesses and other organizations on environmental issues, such as the control of environmental contamination from pollutants, toxic substances, and hazardous materials. These establishments identify problems (e.g., inspect buildings for hazardous materials), measure and evaluate risks, and recommend solutions. They employ a multidisciplinary staff of scientists, engineers, and other technicians with expertise in areas, such as air and water quality, asbestos contamination, remediation, and environmental law. Establishments providing sanitation or site remediation consulting services are included in this industry.

54169 Other Scientific and Technical Consulting Services

This industry comprises establishments primarily engaged in providing advice and assistance to businesses and other organizations on scientific and technical issues (except environmental).

54171 Research and Development in the Physical, Engineering, and Life Sciences

This industry comprises establishments primarily engaged in conducting research and experimental development in the physical, engineering, or life sciences, such as agriculture, electronics, environmental, biology, botany, biotechnology, computers, chemistry, food, fisheries, forests, geology, health, mathematics, medicine, oceanography, pharmacy, physics, veterinary, and other allied subjects.

54172 Research and Development in the Social Sciences and Humanities

This industry comprises establishments primarily engaged in conducting research and analyses in cognitive development, sociology, psychology, language, behavior, economic, and other social science and humanities research.

54181 Advertising Agencies

This industry comprises establishments primarily engaged in creating advertising campaigns and placing such advertising in periodicals, newspapers, radio and television, or other media. These establishments are organized to provide a full range of services (i.e., through in-house capabilities or subcontracting), including advice, creative services, account management, production of advertising material, media planning, and buying (i.e., placing advertising).

54182 Public Relations Agencies

This industry comprises establishments primarily engaged in designing and implementing public relations campaigns. These campaigns are designed to promote the interests and image of their clients. Establishments providing lobbying, political consulting, or public relations consulting are included in this industry.

54183 Media Buying Agencies

This industry comprises establishments primarily engaged in purchasing advertising time or space from media outlets and reselling it to advertising agencies or individual companies directly.

54184 Media Representatives

This industry comprises establishments of independent representatives primarily engaged in selling media time or space for media owners.

54185 Display Advertising

This industry comprises establishments primarily engaged in creating and designing public display advertising, campaign materials, such as printed, painted, or electronic displays, and/or placing such displays on indoor or outdoor billboards and panels, or on or within transit vehicles or facilities, shopping malls, retail (in-store) displays, and other display structures or sites.

54186 Direct Mail Advertising

This industry comprises establishments primarily engaged in (1) creating and designing advertising campaigns for the purpose of distributing advertising materials (e.g., coupons, flyers, samples) or specialties (e.g., key chains, magnets, pens with customized messages imprinted) by mail or other direct distribution; and/or (2) preparing advertising materials or specialties for mailing or other direct distribution. These establishments may also compile, maintain, sell, and rent mailing lists.

54187 Advertising Material Distribution Services

This industry comprises establishments primarily engaged in the direct distribution or delivery of advertisements (e.g., circulars, coupons, handbills) or samples. Establishments in this industry use methods, such as delivering advertisements or samples door-to-door, placing flyers or coupons on car windshields in parking lots, or handing out samples in retail stores.

54189 Other Services Related to Advertising

This industry comprises establishments primarily engaged in providing advertising services (except advertising agency services, public relations agency services, media

buying agency services, media representative services, display advertising services, direct mail advertising services, advertising material distribution services, and marketing consulting services).

54191 Marketing Research and Public Opinion Polling

This industry comprises establishments primarily engaged in systematically gathering, recording, tabulating, and presenting marketing and public opinion data.

541921 Photography Studios, Portrait

This industry comprises establishments known as portrait studios primarily engaged in providing still, video, or digital portrait photography services.

541922 Commercial Photography

This industry comprises establishments primarily engaged in providing commercial photography services, generally for advertising agencies, publishers, and other business and industrial users.

54193 Translation and Interpretation Services

This industry comprises establishments primarily engaged in translating written material and interpreting speech from one language to another and establishments primarily engaged in providing sign language services.

54199 All Other Professional, Scientific, and Technical Services

This industry comprises establishments primarily engaged in the provision of professional, scientific, or technical services (except legal services; accounting, tax preparation, bookkeeping, and related services; architectural, engineering, and related services; specialized design services; computer systems design and related services; management, scientific, and technical consulting services; scientific research and development services; advertising and related services; market research and public opinion polling; photographic services; translation and interpretation services; and veterinary services).

56111 Office Administrative Services

This industry comprises establishments primarily engaged in providing a range of day-to-day office administrative services, such as financial planning; billing and record-keeping; personnel; and physical distribution and logistics. These establishments do not provide operating staff to carry out the complete operations of a business.

56121 Facilities Support Services

This industry comprises establishments primarily engaged in providing operating staff to perform a combination of support services within a client's facilities. Establishments

in this industry typically provide a combination of services, such as janitorial; maintenance; trash disposal; guard and security; mail routing reception; laundry; and related services to support operations within facilities. These establishments provide operating staff to carry out these support activities; but, are not involved with or responsible for the core business or activities of the client. Establishments providing facilities (except computer and/or data processing) operation support services and establishments operating correctional facilities (i.e., jails) on a contract or fee basis are included in this industry.

5613 Employment Services

This NAICS industry group includes establishments classified in the following NAICS industries: 56131, Employment Placement Agencies; 56132, Temporary Help Services; and 56133, Employee Leasing Services.

56131 Employment Placement Agencies

This industry comprises establishments primarily engaged in listing employment vacancies and in referring or placing applicants for employment. The individuals referred or placed are not employees of the employment agencies.

56132 Temporary Help Services

This industry comprises establishments primarily engaged in supplying workers to clients' businesses for limited periods of time to supplement the working force of the client. The individuals provided are employees of the temporary help service establishment. However, these establishments do not provide direct supervision of their employees at the clients' work sites.

56133 Employee Leasing Services

This industry comprises establishments primarily engaged in providing human resources and human resource management services to staff client businesses. Establishments in this industry operate in a coemployment relationship with client businesses or organizations and are specialized in performing a wide range of human resource and personnel management duties, such as payroll accounting, payroll tax return preparation, benefits administration, recruiting, and managing labor relations. Employee leasing establishments typically acquire and lease back some or all of the employees of their clients and serve as the employer of the leased employees for payroll, benefits, and related purposes. Employee leasing establishments exercise varying degrees of decision making relating to their human resource or personnel management role, but do not have management accountability for the work of their clients' operations with regard to strategic planning, output, or profitability. Professional employer organizations (PEO) and establishments providing labor or staff leasing services are included in this industry.

56141 Document Preparation Services

This industry comprises establishments primarily engaged in one or more of the following: (1) letter or resume writing; (2) document editing or proofreading; (3) typing, word processing, or desktop publishing; and (4) stenographic (except court reporting or stenotype recording), transcription, and other secretarial services.

56142 Telephone Call Centers

This industry comprises (1) establishments primarily engaged in answering telephone calls and relaying messages to clients and (2) establishments primarily engaged in providing telemarketing services on a contract or fee basis for others, such as promoting clients' products or services by telephone; taking orders for clients by telephone; and soliciting contributions or providing information for clients by telephone. These establishments never own the product or provide the services they are representing and generally can originate and/or receive calls for others.

56143 Business Service Centers

This industry comprises (1) establishments primarily engaged in providing mailbox rental and other postal and mailing services (except direct mail advertising); (2) establishments generally known as copy centers or shops primarily engaged in providing photocopying, duplicating, blueprinting, and other document copying services, without also providing printing services (e.g., offset printing, quick printing, digital printing, prepress services); and (3) establishments engaged in providing a range of office support services (except printing services), such as document copying services, facsimile services, word processing services, on-site PC rental services, and office product sales.

56144 Collection Agencies

This industry comprises establishments primarily engaged in collecting payments for claims and remitting payments collected to their clients.

56145 Credit Bureaus

This industry comprises establishments primarily engaged in compiling information, such as credit and employment histories on individuals and credit histories on businesses, and providing the information to financial institutions, retailers, and others who have a need to evaluate the credit worthiness of these persons and businesses.

561491 Repossession Services

This industry comprises establishments primarily engaged in repossessing tangible assets (e.g., automobiles, boats, equipment, planes, furniture, appliances) for the creditor as a result of delinquent debts.

561492 Court Reporting and Stenotype Services

This industry comprises establishments primarily engaged in providing verbatim reporting and stenotype recording of live legal proceedings and transcribing subsequent recorded materials.

561499 All Other Business Support Services

This industry comprises establishments primarily engaged in providing business support services (except secretarial and other document preparation services; telephone answering and telemarketing services; private mail services or document copying services conducted as separate activities or in conjunction with other office support services; monetary debt collection services; credit reporting services; repossession services; and court reporting and stenotype recording services).

561510 Travel Agencies

This industry comprises establishments primarily engaged in acting as agents in selling travel, tour, and accommodation services to the general public and commercial clients.

561520 Tour Operators

This industry comprises establishments primarily engaged in arranging and assembling tours. The tours are sold through travel agencies or tour operators. Travel or wholesale tour operators are included in this industry.

561591 Convention and Visitors Bureaus

This industry comprises establishments primarily engaged in marketing and promoting communities and facilities to businesses and leisure travelers through a range of activities, such as assisting organizations in locating meeting and convention sites; providing travel information on area attractions, lodging accommodations, restaurants; providing maps; and organizing group tours of local historical, recreational, and cultural attractions.

561599 All Other Travel Arrangement and Reservation Services

This industry comprises establishments (except travel agencies, tour operators, and convention and visitors bureaus) primarily engaged in providing travel arrangement and reservation services.

5616 Investigation and Security Services

This NAICS industry group includes establishments classified in the following NAICS industries: 56161, Investigation, Guard, and Armored Car Services; and 56162, Security Systems Services.

56161 Investigation, Guard, and Armored Car Services

This industry comprises establishments primarily engaged in providing one or more of the following: (1) investigation and detective services; (2) guard and patrol services; and

(3) picking up and delivering money, receipts, or other valuable items with personnel and equipment to protect such properties while in transit.

561611 Investigation Services

This industry comprises establishments primarily engaged in providing investigation and detective services.

561612 Security Guards and Patrol Services

This industry comprises establishments primarily engaged in providing guard and patrol services, such as body-guard, guard dog, and parking security services.

561613 Armored Car Services

This industry comprises establishments primarily engaged in picking up and delivering money, receipts, or other valuable items. These establishments maintain personnel and equipment to protect such properties while in transit.

561621 Security Systems Services (Except Locksmiths)

This industry comprises establishments primarily engaged in (1) selling security alarm systems, such as burglar and fire alarms, along with installation, repair, or monitoring services or (2) remote monitoring of electronic security alarm systems.

561622 Locksmiths

This industry comprises establishments primarily engaged in (1) selling mechanical or electronic locking devices, safes, and security vaults, along with installation, repair, rebuilding, or adjusting services or (2) installing, repairing, rebuilding, and adjusting mechanical or electronic locking devices, safes, and security vaults.

5617 Services to Buildings and Dwellings

This NAICS industry group includes establishments classified in the following NAICS industries: 56171, Exterminating and Pest Control Services; 56172, Janitorial Services; 56174, Carpet and Upholstery Cleaning Services; and 56179, Other Services to Buildings and Dwellings.

56171 Exterminating and Pest Control Services

This industry comprises establishments primarily engaged in exterminating and controlling birds, mosquitoes, rodents, termites, and other insects and pests (except for crop production and forestry production). Establishments providing fumigation services are included in this industry.

56172 Janitorial Services

This industry comprises establishments primarily engaged in cleaning building interiors, interiors of transportation equipment (e.g., aircraft, rail cars, ships), and/or windows.

56174 Carpet and Upholstery Cleaning Services

This industry comprises establishments primarily engaged in cleaning and dyeing used rugs, carpets, and upholstery.

56179 Other Services to Buildings and Dwellings

This industry comprises establishments primarily engaged in providing services to buildings and dwellings (except exterminating and pest control; janitorial; landscaping care and maintenance; and carpet and upholstery cleaning).

56191 Packaging and Labeling Services

This industry comprises establishments primarily engaged in packaging client owned materials. The services may include labeling and/or imprinting the package.

56192 Convention and Trade Show Organizers

This industry comprises establishments primarily engaged in organizing, promoting, and/or managing events, such as business and trade shows, conventions, conferences, and meetings (whether or not they manage and provide the staff to operate the facilities in which these events take place).

56199 All Other Support Services

This industry comprises establishments primarily engaged in providing day-to-day business and other organizational support services (except office administrative services, facilities support services, employment services, business support services, travel arrangement and reservation services, security and investigation services, services to buildings and other structures, packaging and labeling services, and convention and trade show organizing services).

562111 Solid Waste Collection

This industry comprises establishments primarily engaged in one or more of the following: (1) collecting and/or hauling nonhazardous solid waste (i.e., garbage) within a local area; (2) operating nonhazardous solid waste transfer stations; and (3) collecting and/or hauling mixed recyclable materials within a local area.

562112 Hazardous Waste Collection

This industry comprises establishments primarily engaged in collecting and/or hauling hazardous waste within a local area and/or operating hazardous waste transfer stations. Hazardous waste collection establishments may be responsible for the identification, treatment, packaging, and labeling of wastes for the purposes of transport.

562119 Other Waste Collection

This industry comprises establishments primarily engaged in collecting and/or hauling waste (except nonhazardous solid waste and hazardous waste) within a local area. Establishments engaged in brush or rubble removal services are included in this industry.

562211 Hazardous Waste Treatment and Disposal

This industry comprises establishments primarily engaged in (1) operating treatment and/or disposal facilities for hazardous waste or (2) the combined activity of collecting and/or hauling of hazardous waste materials within a local area and operating treatment or disposal facilities for hazardous waste.

562212 Solid Waste Landfill

This industry comprises establishments primarily engaged in (1) operating landfills for the disposal of nonhazardous solid waste or (2) the combined activity of collecting and/or hauling nonhazardous waste materials within a local area and operating landfills for the disposal of nonhazardous solid waste.

562213 Solid Waste Combustors and Incinerators

This industry comprises establishments primarily engaged in operating combustors and incinerators for the disposal of nonhazardous solid waste. These establishments may produce byproducts, such as electricity and steam.

562219 Other Nonhazardous Waste Treatment and Disposal

This industry comprises establishments primarily engaged in (1) operating nonhazardous waste treatment and disposal facilities (except landfills, combustors, incinerators and sewer systems or sewage treatment facilities) or (2) the combined activity of collecting and/or hauling of nonhazardous waste materials within a local area and operating waste treatment or disposal facilities (except landfills, combustors, incinerators and sewer systems, or sewage treatment facilities). Compost dumps are included in this industry.

562910 Remediation Services

This industry comprises establishments primarily engaged in one or more of the following: (1) remediation and cleanup of contaminated buildings, mine sites, soil, or ground water; (2) integrated mine reclamation activities, including demolition, soil remediation, waste water treatment, hazardous material removal, contouring land, and revegetation; and (3) asbestos, lead paint, and other toxic material abatement.

56292 Materials Recovery Facilities

This industry comprises establishments primarily engaged in (1) operating facilities for separating and sorting recyclable materials from nonhazardous waste streams (i.e., garbage) and/or (2) operating facilities where commingled recyclable materials, such as paper, plastics, used beverage cans, and metals, are sorted into distinct categories.

562991 Septic Tank and Related Services

This industry comprises establishments primarily engaged in (1) pumping (i.e., cleaning) septic tanks and cesspools and/or (2) renting and/or servicing portable toilets.

562998 All Other Miscellaneous Waste Management Services

This industry comprises establishments primarily engaged in providing waste management services (except waste collection, waste treatment and disposal, remediation, operation of materials recovery facilities, septic tank pumping and related services, and waste management consulting services).

6211 Offices of Physicians

This industry comprises establishments of health practitioners having the degree of M.D. (Doctor of medicine) or D.O. (Doctor of osteopathy) primarily engaged in the independent practice of general or specialized medicine or surgery. These practitioners operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers.

6212 Offices of Dentists

This industry comprises establishments of health practitioners having the degree of D.M.D. (Doctor of dental medicine), D.D.S. (Doctor of dental surgery), or D.D.Sc. (Doctor of dental science) primarily engaged in the independent practice of general or specialized dentistry or dental surgery. These practitioners operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers. They can provide either comprehensive preventive, cosmetic, or emergency care, or specialize in a single field of dentistry.

62131 Offices of Chiropractors

This industry comprises establishments of health practitioners having the degree of D.C. (Doctor of chiropractic) primarily engaged in the independent practice of chiropractic. These practitioners provide diagnostic and therapeutic treatment of neuromusculoskeletal and related disorders through the manipulation and adjustment of the spinal column and extremities, and operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers.

62132 Offices of Optometrists

This industry comprises establishments of health practitioners having the degree of O.D. (Doctor of optometry) primarily engaged in the independent practice of optometry.

These practitioners provide eye examinations to determine visual acuity or the presence of vision problems and to prescribe eyeglasses, contact lenses, and eye exercises. They operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers, and may also provide the same service as opticians, such as selling and fitting prescription eyeglasses and contact lenses.

62133 Offices of Mental Health Practitioners (Except Physicians)

This industry comprises establishments of independent mental health practitioners (except physicians) primarily engaged in (1) the diagnosis and treatment of mental, emotional, and behavioral disorders and/or (2) the diagnosis and treatment of individual or group social dysfunction brought about by such causes as mental illness, alcohol and substance abuse, physical and emotional trauma, or stress. These practitioners operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers.

62134 Offices of Physical, Occupational and Speech Therapists, and Audiologists

This industry comprises establishments of independent health practitioners primarily engaged in one of the following: (1) administering medically prescribed physical therapy treatment for patients suffering from injuries or muscle, nerve, joint, and bone disease; (2) planning and administering educational, recreational, and social activities designed to help patients or individuals with disabilities, regain physical or mental functioning or to adapt to their disabilities; and (3) diagnosing and treating speech, language, or hearing problems. These practitioners operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers.

621391 Offices of Podiatrists

This industry comprises establishments of health practitioners having the degree of D.P. (Doctor of podiatry) primarily engaged in the independent practice of podiatry. These practitioners diagnose and treat diseases and deformities of the foot and operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers.

621399 Offices of All Other Miscellaneous Health Practitioners

This industry comprises establishments of independent health practitioners (except physicians; dentists; chiropractors; optometrists; mental health specialists; physical, occupational, and speech therapists; audiologists; and

podiatrists). These practitioners operate private or group practices in their own offices (e.g., centers, clinics) or in the facilities of others, such as hospitals or HMO medical centers.

62141 Family Planning Centers

This industry comprises establishments with medical staff primarily engaged in providing a range of family planning services on an outpatient basis, such as contraceptive services, genetic and prenatal counseling, voluntary sterilization, and therapeutic and medically indicated termination of pregnancy.

62142 Outpatient Mental Health and Substance Abuse Centers

This industry comprises establishments with medical staff primarily engaged in providing outpatient services related to the diagnosis and treatment of mental health disorders and alcohol and other substance abuse. These establishments generally treat patients who do not require inpatient treatment. They may provide a counseling staff and information regarding a wide range of mental health and substance abuse issues and/or refer patients to more extensive treatment programs, if necessary.

621491 HMO Medical Centers

This industry comprises establishments with physicians and other medical staff primarily engaged in providing a range of outpatient medical services to the health maintenance organization (HMO) subscribers with a focus generally on primary health care. These establishments are owned by the HMO. Included in this industry are HMO establishments that both provide health care services and underwrite health and medical insurance policies.

621492 Kidney Dialysis Centers

This industry comprises establishments with medical staff primarily engaged in providing outpatient kidney or renal dialysis services.

621493 Freestanding Ambulatory Surgical and Emergency Centers

This industry comprises establishments with physicians and other medical staff primarily engaged in (1) providing surgical services (e.g., orthoscopic and cataract surgery) on an outpatient basis or (2) providing emergency care services (e.g., setting broken bones, treating lacerations, or tending to patients suffering injuries as a result of accidents, trauma, or medical conditions necessitating immediate medical care) on an outpatient basis. Outpatient surgical establishments have specialized facilities, such as operating and recovery rooms, and specialized equipment, such as anesthetic or X-ray equipment.

621498 All Other Outpatient Care Centers

This industry comprises establishments with medical staff primarily engaged in providing general or specialized outpatient care (except family planning centers, outpatient mental health and substance abuse centers, HMO medical centers, kidney dialysis centers, and freestanding ambulatory surgical and emergency centers). Centers or clinics of health practitioners with different degrees from more than one industry practicing within the same establishment (i.e., Doctor of medicine and Doctor of dental medicine) are included in this industry.

621511 Medical Laboratories

This industry comprises establishments known as medical laboratories primarily engaged in providing analytic or diagnostic services, including body fluid analysis, generally to the medical profession or to the patient on referral from a health practitioner.

621512 Diagnostic Imaging Centers

This industry comprises establishments known as diagnostic imaging centers primarily engaged in producing images of the patient generally on referral from a health practitioner.

6216 Home Health Care Services

This industry comprises establishments primarily engaged in providing skilled nursing services in the home, along with a range of the following: personal care services; homemaker and companion services; physical therapy; medical social services; medications; medical equipment and supplies; counseling; 24-hour home care; occupation and vocational therapy; dietary and nutritional services; speech therapy; audiology; and high-tech care, such as intravenous therapy.

62191 Ambulance Services

This industry comprises establishments primarily engaged in providing transportation of patients by ground or air, along with medical care. These services are often provided during a medical emergency but are not restricted to emergencies. The vehicles are equipped with lifesaving equipment operated by medically trained personnel.

62199 All Other Ambulatory Health Care Services

This industry comprises establishments primarily engaged in providing ambulatory health care services (except offices of physicians, dentists, and other health practitioners; outpatient care centers; medical and diagnostic laboratories; home health care providers; and ambulances).

6221 General Medical and Surgical Hospitals

This industry comprises establishments known and licensed as general medical and surgical hospitals primarily engaged in providing diagnostic and medical treatment (both surgical and nonsurgical) to inpatients with

any of a wide variety of medical conditions. These establishments maintain inpatient beds and provide patients with food services that meet their nutritional requirements. These hospitals have an organized staff of physicians and other medical staff to provide patient care services. These establishments usually provide other services, such as outpatient services, anatomical pathology services, diagnostic X-ray services, clinical laboratory services, operating room services for a variety of procedures, and pharmacy services.

6222 Psychiatric and Substance Abuse Hospitals

This industry comprises establishments known and licensed as psychiatric and substance abuse hospitals primarily engaged in providing diagnostic, medical treatment, and monitoring services for inpatients who suffer from mental illness or substance abuse disorders. The treatment often requires an extended stay in the hospital. These establishments maintain inpatient beds and provide patients with food services that meet their nutritional requirements. They have an organized staff of physicians and other medical staff to provide patient care services. Psychiatric, psychological, and social work services are available at the facility. These hospitals usually provide other services, such as outpatient services, clinical laboratory services, diagnostic X-ray services, and electroencephalograph services.

6223 Specialty (Except Psychiatric and Substance Abuse) Hospitals

This industry consists of establishments known and licensed as specialty hospitals primarily engaged in providing diagnostic and medical treatment to inpatients with a specific type of disease or medical condition (except psychiatric or substance abuse). Hospitals providing long-term care for the chronically ill and hospitals providing rehabilitation, restorative, and adjustive services to physically challenged or disabled people are included in this industry. These establishments maintain inpatient beds and provide patients with food services that meet their nutritional requirements. They have an organized staff of physicians and other medical staff to provide patient care services. These hospitals may provide other services, such as outpatient services, diagnostic X-ray services, clinical laboratory services, operating room services, physical therapy services, educational and vocational services, and psychological and social work services.

6231 Nursing Care Facilities

This industry comprises establishments primarily engaged in providing inpatient nursing and rehabilitative services. The care is generally provided for an extended period of time to individuals requiring nursing care. These establishments have a permanent core staff of registered or licensed practical nurses who, along with other staff, provide nursing and continuous personal care services.

6232 Residential Mental Retardation Facilities

This industry comprises establishments (e.g., group homes, hospitals, intermediate care facilities) primarily engaged in providing residential care services for persons diagnosed with mental retardation. These facilities may provide some health care, though the focus is room, board, protective supervision, and counseling.

62322 Residential Mental Health and Substance Abuse Facilities

This industry comprises establishments primarily engaged in providing residential care and treatment for patients with mental health and substance abuse illnesses. These establishments provide room, board, supervision, and counseling services. Although medical services may be available at these establishments, they are incidental to the counseling, mental rehabilitation, and support services offered. These establishments generally provide a wide range of social services in addition to counseling.

623311 Continuing Care Retirement Communities

This industry comprises establishments primarily engaged in providing a range of residential and personal care services with on-site nursing care facilities for (1) the elderly and other persons who are unable to fully care for themselves and/or (2) the elderly and other persons who do not desire to live independently. Individuals live in a variety of residential settings with meals, housekeeping, social, leisure, and other services available to assist residents in daily living. Assisted-living facilities with on-site nursing care facilities are included in this industry.

623312 Homes for the Elderly

This industry comprises establishments primarily engaged in providing residential and personal care services (i.e., without on-site nursing care facilities) for (1) the elderly or other persons who are unable to fully care for themselves and/or (2) the elderly or other persons who do not desire to live independently. The care typically includes room, board, supervision, and assistance in daily living, such as housekeeping services.

6239 Other Residential Care Facilities

This industry comprises establishments primarily engaged in providing residential care (except residential mental retardation facilities, residential health and substance abuse facilities, continuing care retirement communities, and homes for the elderly). These establishments also provide supervision and personal care services.

62411 Child and Youth Services

This industry comprises establishments primarily engaged in providing nonresidential social assistance services for

children and youth. These establishments provide for the welfare of children in such areas as adoption and foster care, drug prevention, life skills training, and positive social development.

62412 Services for the Elderly and Persons With Disabilities

This industry comprises establishments primarily engaged in providing nonresidential social assistance services to improve the quality of life for the elderly, persons diagnosed with mental retardation, or persons with disabilities. These establishments provide for the welfare of these of individuals in such areas as day care, nonmedical home care or homemaker services, social activities, group support, and companionship.

62419 Other Individual and Family Services

This industry comprises establishments primarily engaged in providing nonresidential individual and family social assistance services (except those specifically directed toward children, the elderly, persons diagnosed with mental retardation, or persons with disabilities).

62421 Community Food Services

This industry comprises establishments primarily engaged in the collection, preparation, and delivery of food for the needy. Establishments in this industry may also distribute clothing and blankets to the poor. These establishments may prepare and deliver meals to persons who by reason of age, disability, or illness are unable to prepare meals for themselves; collect and distribute salvageable or donated food; or prepare and provide meals at fixed or mobile locations. Food banks, meal delivery programs, and soup kitchens are included in this industry.

62422 Community Housing Services

This industry comprises establishments primarily engaged in providing one or more of the following community housing services (1) short term emergency shelter for victims of domestic violence, sexual assault, or child abuse and/or (2) temporary residential shelter for homeless individuals or families, runaway youth, and patients and families caught in medical crises. These establishments may operate their own shelters or may subsidize housing using existing homes, apartments, hotels, or motels. (3) transitional housing to low-income individuals and families; (4) volunteer construction or repair of low-cost housing, in partnership with the homeowner who may assist in the construction or repair work; and (5) the repair of homes for elderly or disabled homeowners. These establishments may subsidize housing using existing homes, apartments, hotels, or motels or may require a low-cost mortgage or sweat equity. These establishments may also provide low-income families with furniture and household supplies.

62423 Emergency and Other Relief Services

This industry comprises establishments primarily engaged in providing food, shelter, clothing, medical relief, resettlement, and counseling to victims of domestic or international disasters or conflicts (e.g., wars).

62431 Vocational Rehabilitation Services

This industry comprises (1) establishments primarily engaged in providing vocational rehabilitation or habilitation services, such as job counseling, job training, and work experience, to unemployed and underemployed persons, persons with disabilities, and persons who have a job market disadvantage because of lack of education, job skill, or experience and (2) establishments primarily engaged in providing training and employment to persons with disabilities. Vocational rehabilitation job training facilities (except schools) and sheltered workshops (i.e., work experience centers) are included in this industry.

6244 Child Day Care Services

This industry comprises establishments primarily engaged in providing day care of infants or children. These establishments generally care for preschool children, but may care for older children when they are not in school and may also offer prekindergarten educational programs.

71111 Theater Companies and Dinner Theaters

This industry comprises (1) companies, groups, or theaters primarily engaged in producing the following live theatrical presentations: musicals; operas; plays; and comedy, improvisational, mime, and puppet shows and (2) establishments, commonly known as dinner theaters, engaged in producing live theatrical productions and in providing food and beverages for consumption on the premises. Theater groups or companies may or may not operate their own theater or other facility for staging their shows.

71112 Dance Companies

This industry comprises companies, groups, or theaters primarily engaged in producing all types of live theatrical dance (e.g., ballet, contemporary dance, folk dance) presentations. Dance companies or groups may or may not operate their own theater or other facility for staging their shows.

71113 Musical Groups and Artists

This industry comprises (1) groups primarily engaged in producing live musical entertainment (except theatrical musical or opera productions) and (2) independent (i.e., freelance) artists primarily engaged in providing live musical entertainment. Musical groups and artists may perform in front of a live audience or in a studio, and may or may not operate their own facilities for staging their shows.

71119 Other Performing Arts Companies

This industry comprises companies or groups (except theater companies, dance companies, musical groups, and artists) primarily engaged in producing live theatrical presentations.

711211 Sports Teams and Clubs

This industry comprises professional or semiprofessional sports teams or clubs primarily engaged in participating in live sporting events, such as baseball, basketball, football, hockey, soccer, and jai alai games, before a paying audience. These establishments may or may not operate their own arena, stadium, or other facility for presenting these events.

711212 Racetracks

This industry comprises establishments primarily engaged in operating racetracks. These establishments may also present and /or promote the events, such as auto, dog, and horse races, held in these facilities.

711219 Other Spectator Sports

This industry comprises (1) independent athletes, such as professional or semiprofessional golfers, boxers, and race car drivers, primarily engaged in participating in live sporting or racing events before a paying audience; (2) owners of racing participants, such as cars, dogs, and horses, primarily engaged in entering them in racing events or other spectator sports events; and (3) establishments, such as sports trainers, primarily engaged in providing specialized services required to support participants in sports events or competitions.

71131 Promoters of Performing Arts, Sports, and Similar Events With Facilities

This industry comprises establishments primarily engaged in (1) organizing, promoting, and/or managing live performing arts productions, sports events, and similar events, such as State fairs, county fairs, agricultural fairs, concerts, and festivals, held in facilities that they manage and operate and/or (2) managing and providing the staff to operate arenas, stadiums, theaters, or other related facilities for rent to other promoters.

71132 Promoters of Performing Arts, Sports, and Similar Events Without Facilities

This industry comprises promoters primarily engaged in organizing, promoting, and/or managing live performing arts productions, sports events, and similar events, such as state fairs, county fairs, agricultural fairs, concerts, and

festivals, in facilities that are managed and operated by others. Theatrical (except motion picture) booking agencies are included in this industry.

71141 Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures

This industry comprises establishments of agents and managers primarily engaged in representing and/or managing creative and performing artists, sports figures, entertainers, and other public figures. The representation and management includes activities, such as representing clients in contract negotiations; managing or organizing client's financial affairs; and generally promoting the careers of their clients.

7115 Independent Artists, Writers, and Performers

This industry comprises independent (i.e., freelance) individuals primarily engaged in performing in artistic productions, in creating artistic and cultural works or productions, or in providing technical expertise necessary for these productions. This industry also includes athletes and other celebrities exclusively engaged in endorsing products and making speeches or public appearances for which they receive a fee.

712 Museums, Historical Sites, and Similar Institutions

This industry comprises establishments primarily engaged in the preservation and exhibition of objects, sites, and natural wonders of historical, cultural, and/or educational value.

71311 Amusement and Theme Parks

This industry comprises establishments, known as amusement or theme parks, primarily engaged in operating a variety of attractions, such as mechanical rides, water rides, games, shows, theme exhibits, refreshment stands, and picnic grounds. These establishments may lease space to others on a concession basis.

71312 Amusement Arcades

This industry comprises establishments primarily engaged in operating amusement (except gambling, billiard, or pool) arcades and parlors.

71321 Casinos (Except Casino Hotels)

This industry comprises establishments primarily engaged in operating gambling facilities that offer table wagering games along with other gambling activities, such as slot

machines and sports betting. These establishments often provide food and beverage services. Included in this industry are floating casinos (i.e., gambling cruises, riverboat casinos).

71329 Other Gambling Industries

This industry comprises establishments primarily engaged in operating gambling facilities (except casinos or casino hotels) or providing gambling services.

71391 Golf Courses and Country Clubs

This industry comprises (1) establishments primarily engaged in operating golf courses (except miniature) and (2) establishments primarily engaged in operating golf courses, along with dining facilities and other recreational facilities that are known as country clubs. These establishments often provide food and beverage services, equipment rental services, and golf instruction services.

71392 Skiing Facilities

This industry comprises establishments engaged in (1) operating downhill, cross-country, or related skiing areas and/or (2) operating equipment, such as ski lifts and tows. These establishments often provide food and beverage services, equipment rental services, and ski instruction services. Four season resorts without accommodations are included in this industry.

71393 Marinas

This industry comprises establishments, commonly known as marinas, engaged in operating docking and/or storage facilities for pleasure craft owners, with or without one or more related activities, such as retailing fuel and marine supplies; and repairing, maintaining, or renting pleasure boats.

71394 Fitness and Recreational Sports Centers

This industry comprises establishments primarily engaged in operating fitness and recreational sports facilities featuring exercise and other active physical fitness conditioning or recreational sports activities, such as swimming, skating, or racquet sports.

71395 Bowling Centers

This industry comprises establishments engaged in operating bowling centers. These establishments often provide food and beverage services.

71399 All Other Amusement and Recreation Industries

This industry comprises establishments (except amusement parks and arcades; gambling industries; golf courses and country clubs; skiing facilities; marinas; fitness and recreational sports centers; and bowling centers) primarily engaged in providing recreational and amusement services.

811 Repair and Maintenance

Industries in the Repair and Maintenance subsector restore machinery, equipment, and other products to working order. These establishments also typically provide general or routine maintenance (i.e., servicing) on such products to ensure they work efficiently and to prevent breakdown and unnecessary repairs.

The NAICS structure for this subsector brings together most types of repair and maintenance establishments and categorizes them based on production processes (i.e., on the type of repair and maintenance activity performed, and the necessary skills, expertise, and processes that are found in different repair and maintenance establishments). This NAICS classification does not delineate between repair services provided to businesses versus those that serve households. Although some industries primarily serve either businesses or households, separation by class of customer is limited by the fact that many establishments serve both. Establishments repairing computers and consumer electronics products are two examples of such overlap.

The Repair and Maintenance subsector does not include all establishments that do repair and maintenance. For example, a substantial amount of repair is done by establishments that also manufacture machinery, equipment, and other goods. These establishments are included in the Manufacturing sector in NAICS. In addition, repair of transportation equipment is often provided by or based at transportation facilities, such as airports, seaports, and these activities are included in the Transportation and Warehousing sector. A particularly unique situation exists with repair of buildings. Plumbing, electrical installation and repair, painting and decorating, and other construction-related establishments are often involved in performing installation or other work on new construction as well as providing repair services on existing structures. While some specialize in repair, it is difficult to distinguish between the two types and all have been included in the Construction sector.

Excluded from this subsector are establishments primarily engaged in rebuilding or remanufacturing machinery and equipment. These are classified in Sector 31-33, Manufacturing. Also excluded are retail establishments that provide after-sale services and repair. These are classified in Sector 44-45, Retail Trade.

81111 General Automotive Repair

This industry comprises establishments primarily engaged in providing (1) a wide range of mechanical and electrical repair and maintenance services for automotive vehicles, such as passenger cars, trucks, and vans, and all trailers or (2) engine repair and replacement.

811112 Automotive Exhaust System Repair

This industry comprises establishments primarily engaged in replacing or repairing exhaust systems of automotive vehicles, such as passenger cars, trucks, and vans.

811113 Automotive Transmission Repair

This industry comprises establishments primarily engaged in replacing or repairing transmissions of automotive vehicles, such as passenger cars, trucks, and vans.

811118 Other Automotive Mechanical and Electrical Repair and Maintenance

This industry comprises establishments primarily engaged in providing specialized mechanical or electrical repair and maintenance services (except engine repair and replacement, exhaust systems repair, and transmission repair) for automotive vehicles, such as passenger cars, trucks, and vans, and all trailers.

811121 Automotive Body, Paint, and Interior Repair and Maintenance

This industry comprises establishments primarily engaged in repairing or customizing automotive vehicles, such as passenger cars, trucks, and vans, and all trailer bodies and interiors; and/or painting automotive vehicles and trailer bodies.

811122 Automotive Glass Replacement Shops

This industry comprises establishments primarily engaged in replacing, repairing, and/or tinting automotive vehicle, such as passenger car, truck, and van, glass.

811191 Automotive Oil Change and Lubrication Shops

This industry comprises establishments primarily engaged in changing motor oil and lubricating the chassis of automotive vehicles, such as passenger cars, trucks, and vans.

811192 Carwashes

This industry comprises establishments primarily engaged in cleaning, washing, and/or waxing automotive vehicles, such as passenger cars, trucks, and vans, and trailers.

811198 All Other Automotive Repair and Maintenance

This industry comprises establishments primarily engaged in providing automotive repair and maintenance services (except mechanical and electrical repair and maintenance; body, paint, interior, and glass repair; motor oil change and lubrication; and car washing) for automotive vehicles, such as passenger cars, trucks, and vans, and all trailers.

811211 Consumer Electronics Repair and Maintenance

This industry comprises establishments primarily engaged in repairing and maintaining consumer electronics, such as televisions, stereos, speakers, video recorders, CD players, radios, and cameras, without retailing new consumer electronics.

811212 Computer and Office Machine Repair and Maintenance

This industry comprises establishments primarily engaged in repairing and maintaining computers and office machines without retailing new computers and office machines, such as photocopying machines; and computer terminals, storage devices, printers; and CD-ROM drives.

811213 Communication Equipment Repair and Maintenance

This industry comprises establishments primarily engaged in repairing and maintaining communications equipment without retailing new communication equipment, such as telephones, fax machines, communications transmission equipment, and two-way radios.

811219 Other Electronic and Precision Equipment Repair and Maintenance

This industry comprises establishments primarily engaged in repairing and maintaining (without retailing) electronic and precision equipment (except consumer electronics, computers and office machines, and communications equipment). Establishments in this industry repair and maintain equipment, such as medical diagnostic imaging equipment, measuring and surveying instruments, laboratory instruments, and radar and sonar equipment.

8113 Commercial and Industrial Machinery and Equipment (Except Automotive and Electronic) Repair and Maintenance

This industry comprises establishments primarily engaged in the repair and maintenance of commercial and industrial machinery and equipment. Establishments in this industry either sharpen/install commercial and industrial machinery blades and saws or provide welding (e.g., automotive, general) repair services; or repair agricultural and other heavy and industrial machinery and equipment (e.g., forklifts and other materials handling equipment, machine tools, commercial refrigeration equipment, construction equipment, and mining machinery).

81141 Home and Garden Equipment and Appliance Repair and Maintenance

This industry comprises establishments primarily engaged in repairing and servicing home and garden equipment

and appliance without retailing new equipment or appliances. Establishments in this industry repair and maintain items, such as lawnmowers, edgers, snow- and leaf-blowers, washing machines, clothes dryers and refrigerators.

81142 Reupholstery and Furniture Repair

This industry comprises establishments primarily engaged in one or more of the following: (1) reupholstering furniture; (2) refinishing furniture; (3) repairing furniture; and (4) repairing and restoring furniture.

81143 Footwear and Leather Goods Repair

This industry comprises establishments primarily engaged in repairing footwear and/or repairing other leather or leather-like goods without retailing new footwear and leather or leather-like goods, such as handbags and briefcases.

81149 Other Personal and Household Goods Repair and Maintenance

This industry comprises establishments primarily engaged in repairing and servicing personal or household-type goods without retailing new personal and household-type goods (except home and garden equipment, appliances, furniture, and footwear and leather goods). Establishments in this industry repair items, such as garments; watches; jewelry; musical instruments; bicycles and motorcycles; motorboats, canoes, sailboats, and other recreational boats.

812111 Barber Shops

This industry comprises establishments known as barber shops or men's hair stylist shops primarily engaged in cutting, trimming, and styling boys' and men's hair; and/or shaving and trimming men's beards.

812112 Beauty Salons

This industry comprises establishments (except those known as barber shops or men's hair stylist shops) primarily engaged in one or more of the following: (1) cutting, trimming, shampooing, weaving, coloring, waving, or styling hair; (2) providing facials; and (3) applying makeup (except permanent makeup).

812113 Nail Salons

This industry comprises establishments primarily engaged in providing nail care services, such as manicures, pedicures, and nail extensions.

812191 Diet and Weight Reducing Centers

This industry comprises establishments primarily engaged in providing nonmedical services to assist clients in attaining or maintaining a desired weight. The sale of weight

reduction products, such as food supplements, may be an integral component of the program. These services typically include individual or group counseling, menu and exercise planning, and weight and body measurement monitoring.

812199 Other Personal Care Services

This industry comprises establishments primarily engaged in providing personal care services (except hair, nail, facial, nonpermanent makeup, or nonmedical diet and weight reducing services).

81221 Funeral Homes and Funeral Services

This industry comprises establishments primarily engaged in preparing the dead for burial or interment and conducting funerals (i.e., providing facilities for wakes, arranging transportation for the dead, selling caskets and related merchandise). Funeral homes combined with crematories are included in this industry.

81222 Cemeteries and Crematories

This industry comprises establishments primarily engaged in operating sites or structures reserved for the interment of human or animal remains and/or cremating the dead.

81231 Coin-Operated Laundries and Drycleaners

This industry comprises (1) establishments primarily engaged in operating facilities with coin-operated or similar self-service laundry and drycleaning equipment for customer use on the premises and (2) establishments primarily engaged in supplying and servicing coin-operated or similar self-service laundry and drycleaning equipment for customer use in places of business operated by others, such as apartments and dormitories.

81232 Drycleaning and Laundry Services (Except Coin-Operated)

This industry comprises establishments primarily engaged in one or more of the following: (1) providing drycleaning services (except coin-operated); (2) providing laundering services (except linen and uniform supply or coin-operated); (3) providing dropoff and pickup sites for laundries and/or drycleaners; and (4) providing specialty cleaning services for specific types of garments and other textile items (except carpets and upholstery), such as fur, leather, or suede garments; wedding gowns; hats; draperies; and pillows. These establishments may provide all, a combination of, or none of the cleaning services on the premises.

812331 Linen Supply

This industry comprises establishments primarily engaged in supplying, on a rental or contract basis, laundered items, such as table and bed linens; towels; diapers; and uniforms, gowns, or coats of the type used by doctors, nurses, barbers, beauticians, and waitresses.

812332 Industrial Launderers

This industry comprises establishments primarily engaged in supplying, on a rental or contract basis, laundered industrial work uniforms and related work clothing, such as protective apparel (flame and heat resistant) and clean room apparel; dust control items, such as treated mops, rugs, mats, dust tool covers, cloths, and shop or wiping towels.

81292 Photofinishing

This industry comprises establishments primarily engaged in developing film and/or making photographic slides, prints, and enlargements.

81293 Parking Lots and Garages

This industry comprises establishments primarily engaged in providing parking space for motor vehicles, usually on an hourly, daily, or monthly basis and/or valet parking services.

81299 All Other Personal Services

This industry comprises establishments primarily engaged in providing personal services (except personal care services, death care services, drycleaning and laundry

services, pet care services, photofinishing services, or parking space and/or valet parking services).

8132 Grantmaking and Giving Services

This industry comprises (1) establishment known as grant-making foundations or charitable trusts and (2) establishments primarily engaged in raising funds for a wide range of social welfare activities, such as health, educational, scientific, and cultural activities.

81341 Civic and Social Organizations

This industry comprises establishments primarily engaged in promoting the civic and social interests of their members. Establishments in this industry may operate bars and restaurants for their members.

81391 Business, Professional, and Other Organizations (Except Labor and Political organizations)

This industry comprises establishments primarily engaged in promoting the business interests of their members. These establishments may conduct research on new products and services; develop market statistics; sponsor quality and certification standards; lobby public officials; or publish newsletters, books, or periodicals for distribution to their members.

Appendix D.

Sample Design

INTRODUCTION

A new sample was used to compute estimates based on the North American Industry Classification System (NAICS) beginning with the 1998 reference year. This section describes the design and selection procedures for the new sample. For descriptions of prior samples, which were based on the Standard Industrial Classification (SIC) system, see the *Service Annual Survey* publications for years 1998 and earlier.

Sampling Frame

The sampling frame for the *Service Annual Survey* (SAS) has two types of sampling units represented — Employer Identification Numbers (EINs) and large, multiple-establishment firms. Both sampling units represent clusters of one or more establishments owned or controlled by the same firm. The information used to create these sampling units was extracted from data collected as part of the 1997 Economic Census and from establishment records contained on the Census Bureau's Business Register as updated to June 1999. The next few paragraphs give details about the Business Register; the distinction between firms, EINs, and establishments; and the construction of the sampling units used in the sample selection. Though important, they are not essential to understanding the basic sample design and readers may continue to the Stratification, Sampling Rates, and Allocation section.

The Business Register is a multirelational database that contains a record for each known establishment with employees. An establishment is a single physical location where business transactions take place and for which payroll and employment records are kept. Groups of one or more establishments under common ownership or control are firms. A single-unit firm owns or operates only one establishment; whereas a multiunit firm owns or operates two or more establishments. The treatment of establishments on the Business Register differs according to whether the establishment is part of a multiunit or single-unit firm. In particular, the structure of an establishment's primary identifier on the Business Register differs according to whether the establishment is part of a multiunit or single-unit firm.

A single-unit firm's primary identifier is its Employer Identification Number (EIN). The Internal Revenue Service (IRS) issues the EIN and the firm uses it as an identifier to

report social security payments for its employees under the Federal Insurance Contributions Act (FICA). The same act requires all employer firms to use EINs. Each employer firm is associated with at least one EIN and only one firm can use a given EIN. Because a single-unit firm has only one establishment, there is a one-to-one relationship between the firm and the EIN. Thus the firm, the EIN, and the establishment all reference the same physical location and all three terms can be used interchangeably and unambiguously when referring to a single-establishment firm. For multiunit firms, however, a different structure connects the firm with its establishments via the EIN. When reading the following, it may help to keep in mind the analogy of a filing cabinet (multiunit firm) composed of many drawers (EINs) each containing several files (establishments).

Essentially, a multiunit firm is associated with a cluster of one or more EINs and EINs are associated with one or more establishments. A multiunit firm consists of at least two establishments. Because of the possibility of one-to-many relationships, we must distinguish between the firm, its EINs, and its establishments. The multiunit firm that owns or controls a particular establishment is identified on the Business Register by way of the establishment's primary identifier.

The primary identifier of an establishment owned by a multiunit firm consists of a unique combination of an alpha number and a plant number. The alpha number identifies the multiunit firm; and the plant number identifies a particular establishment within that firm. All establishments owned or controlled by the same multiunit firm have the same alpha number. Different multiunit firms have different alpha numbers and different establishments within the same multiunit firm have different plant numbers. The Census Bureau assigns both the alpha number to the multiunit firm and plant numbers to the corresponding establishments based on the results of the quinquennial economic censuses and the annual *Company Organization Survey*.

To create the sampling frame, we extract the records for all establishments classified in selected service sectors as defined by the 1997 North American Industry Classification System (NAICS). For these establishments, we extract revenue, payroll, employment, inventory, name and address information, as well as primary identifiers and, for establishments owned by multiunit firms, associated EINs.

To create the sampling units for multiunit firms, we aggregate the economic data of the establishments owned by these firms to an EIN level by tabulating the establishment data for all service establishments associated with the same EIN. Similarly, we aggregate the data to a multiunit firm level by tabulating the establishment data for all service establishments associated with the same alpha number. No aggregation is necessary to put single-unit establishment information on an EIN basis or a firm basis. Thus, the sampling units created for single-unit firms simultaneously represent establishment, EIN, and firm information. In summary, the sampling frame is a complex amalgam of establishments, EINs, and firms.

Stratification, Sampling Rates, and Allocation

The primary stratification of the frame is by kind-of-business group based on the detail required for this publication. We further stratify the sampling units within kind of business group (substratify) by a measure of size related to their revenue. To reduce the variance of the estimates, the largest sampling units are selected “with certainty.” This means they are sure to be selected and will represent only themselves (i.e., have a selection probability of one and a sampling weight of one). Within each kind-of-business stratum, a substratum boundary (or cutoff) that divides the certainty units from the noncertainty units is determined. We based these cutoffs on a statistical analysis of data from the 1997 Economic Census, Service Sectors. Accordingly, these values are on a 1997 revenue basis. We also used this analysis to set sampling rates needed to achieve specified sampling variability objectives for revenue estimates for different kind-of-business groups. The reciprocal of the sampling rate is referred to as the sampling weight. Note that we computed sampling rates using data from the 1997 Economic Census, the actual sample size was determined by applying these sampling rates to the sampling frame constructed from the June 1999 Business Register. We then allocated the sample optimally based on the number of sampling units and standard deviation of the units’ measures of size. The allocation is optimal, in the sense that it achieves the minimum variance for a fixed sample size.

Sample Selection

The first step in the sample selection identified certainty firms. If a firm had receipts or revenue (for 1998 adjusted to a 1997 basis) greater than the corresponding certainty cutoff for its major kind of business, the firm was selected into the sample with certainty. If a firm was selected with certainty and had more than one establishment at the time of sampling, any new establishments that the firm acquires, even if under new or different EINs, are included in the sample with certainty. However, if a single-unit firm was selected with certainty, only future establishments associated with that firm’s original EIN are included with certainty; any new EINs that might later be associated with

that firm are subjected to sampling through the quarterly birth-selection procedure (see Sample Maintenance).

All firms not selected with certainty were subjected to sampling on an EIN basis. If a firm had more than one EIN, each of its EINs was treated as a separate sampling unit. To be eligible for the initial sampling, an EIN used by a single-unit firm had to have nonzero payroll in 1998. EINs used by multiunit firms were required to have nonzero payroll in 1997. The EINs were stratified according to their major kind of business and their estimated revenue (on a 1997 basis). Within each noncertainty stratum, a simple random sample of EINs was selected. The maximum sampling weight for an EIN selected from a noncertainty stratum was 1,000.

Sample Maintenance

Periodically, we update the sample to represent EINs issued since the initial sample selection. These new EINs, called births, are EINs recently assigned by the IRS, on the latest available IRS mailing list for FICA taxpayers, and assigned a kind-of-business classification (if possible) by the Social Security Administration (SSA).

EIN births are sampled on a quarterly basis (in November of the reference year and in February, May, and August of the year following the reference year) using a two-phase selection procedure. In the first phase, births are stratified by kind of business and a measure of size based on expected employment or quarterly payroll. A relatively large sample is drawn and canvassed to obtain a more reliable measure of size, consisting of revenues in two recent months, and a new or more detailed kind-of-business classification.

Using this more reliable information, the selected births from the first phase are subjected to probability proportional-to-size sampling with overall probabilities equivalent to those used in drawing the initial sample from the June 1999 Business Register. Because of the time it takes for a new employer firm to acquire an EIN from the IRS, and because of the time needed to accomplish the two-phase birth-selection procedure, births are added to the sample approximately 9 months after they begin operation.

The births that are selected in the quarterly birth-selection procedure in November of the reference year are included in the initial mailing of the SAS questionnaires in January of the following year. To better represent all EIN births in the reference year, and specifically to account for the coverage lag in the birth-selection procedure, we update the sample with births that are selected in February, May, and August the year following the reference year. We mail survey forms to these births in June and August to supplement the initial survey mailing.

To be eligible for the sample canvass and tabulation in a given year, a noncertainty EIN must meet both of the following requirements:

- It must be on the latest available IRS mailing list for FICA taxpayers from the previous quarter.
- It must have been selected from the Business Register in either the initial sampling or during the quarterly birth-selection procedure.

EINs selected into the sample with certainty are not dropped from canvass and tabulation if they are no longer on the IRS mailing list. Rather, the firm that used the EIN is contacted, and if a successor EIN is found, it is added to the survey. For both inactive and reactivated EINs, data are tabulated for only the portion of the reference year that these EINs reported payroll to the IRS.

If a selected EIN ceases to be an employer, it becomes inactive. An inactive EIN is not mailed if it becomes inactive prior to the initial mailout of the survey year. An inactive EIN that resumes its employer status during the survey year is reactivated and mailed during the initial mailing (if active at the time) or as part of one of the two supplemental mailings.

Estimation Method

Estimates from this survey are computed as the sum of weighted data (reported and imputed) for all selected sampling units that meet the tabulation criteria given in the Sample Maintenance section. The weight for a given sampling unit is the reciprocal of its probability of selection into the sample.

Estimates for some industries presented in this report have been adjusted to results of the 1997 Economic Census. The method we used to perform the adjustment is described in the next section.

CENSUS ADJUSTMENT

A new sample was introduced with the 1999 SAS to compute estimates based on the North American Industry Classification System (NAICS). This sample replaces a sample designed to produce estimates based on the Standard Industrial Classification (SIC) system. We used the prior (SIC-based) sample to publish annual estimates on an SIC basis for reference years 1995 through 1998. To ensure consistency with the 1997 Economic Census, we adjusted the new sample estimates to NAICS totals obtained from the Census. However, because of reasons described at the end of this section, we did not adjust all estimates to Census results. For NAICS industries in which we did not adjust the survey estimates to the Census, we published unadjusted estimates computed only from the new sample. For the NAICS industries in which we published adjusted estimates, the method used to perform the adjustment is described below.

The adjustment method uses revenue data obtained from the prior (SIC-based) sample, the new (NAICS-based) sample, and the 1997 Economic Census. Units tabulated in

the 1997 and 1998 service surveys (Service Annual Survey, Annual Survey of Communication Services, and the Transportation Annual Survey) were matched to the 1997 Economic Census to retrieve NAICS codes for each establishment owned or operated by a given survey unit. Each establishment tabulated in the economics census was assigned a NAICS code and a corresponding SIC code. Using revenue and payroll data collected in the 1997 Economic Census, we determined percentages indicating how each unit's revenue data, as collected on an SIC basis in the 1997 and 1998 service surveys, should be distributed to each NAICS industry. For those units that matched, we produced cross-tabulations of weighted revenue data by SIC and NAICS. These cross-tabulations resulted in two sets of estimated percentages that we used to convert the prior sample's 1997 and 1998 SIC totals to NAICS totals. Percentages were estimated separately for both 1997 and 1998. We multiplied the percentages by the previously published SIC revenue totals to produce unadjusted NAICS estimates of total revenue for each year. The ratio obtained by dividing the 1998 NAICS estimate of total revenue (derived from the prior sample) by the 1997 NAICS estimate of total revenue (derived from the prior sample) was multiplied by the 1997 revenue total obtained from the economics census to produce adjusted revenue totals for 1998.

To compute adjusted total estimates for 1998 for data items other than revenue, we multiplied the unadjusted total estimate for 1998 (derived from the new sample) by a ratio of estimated revenue totals. The ratio was obtained by dividing the adjusted revenue total for 1998 (derived from the prior sample) by the unadjusted revenue total for 1998 (derived from the new sample). Separate ratios were calculated for each NAICS industry and tax status combination. Adjusted total estimates for 1999 for each data item were computed by multiplying the 1999 unadjusted NAICS unadjusted total for each item by the same ratios of revenue totals used to compute the adjusted total estimates for 1998.

We calculated adjusted estimates at detailed kind-of-business levels (usually defined by six-digit NAICS codes) and added appropriate estimates to derive summary totals. (Note that some summary totals are comprised of both adjusted and unadjusted estimates.) Percentage, ratio, and year-to-year change estimates were derived from the adjusted totals.

Because of the dependence on data collected from the prior (SIC-based) sample, we did not adjust estimates for NAICS industries in which the number of firms selected in the prior sample was not large enough to produce reliable estimates of revenue on a NAICS basis. Additionally, we did not adjust estimates for industries, wherein the data collected in the economics census were not comparable with data collected in SAS. In each of these cases, we published unadjusted estimates computed only from the new

sample. The NAICS industries for which we did not adjust estimates to results of the 1997 Economic Census are:

Newspaper, Periodical, Book, and Database Publishers (5111);

Sound Recording Industries (5122);

Cable Networks and Program Distribution (5132);

Paging (513321);

Cellular and Other Wireless Telecommunications (513322);

Other Information Services (514199);

Securities, Commodity Contracts, and Other Financial Investments and Related Activities (523);

Consumer Electronics and Appliances Rental (532210);

Title Abstract and Settlement Offices (541191);

Payroll Services (541214);

Computer Systems Design Services (541512);

Computer Facilities Management Services (541513);

Environmental Consulting Services (541620);

Translation and Interpretation Services (541930);

Private Mail Centers (561431);

Convention and Visitors Bureaus (561591);

Investigation Services (561611);

Security Guards and Patrol Services (561622);

Other Services to Buildings and Dwellings (561790);

Packaging and Labeling Services (561910);

Waste Treatment and Disposal (5622);

Remediation and Other Waste Management Services (5629);

Ambulance Services (621910);

Other Community Housing Services (624229);

Musical Groups and Artists (711130);

Other Performing Arts Companies (711190);

Marinas (713930);

Other Electronic and Precision Equipment Repair and Maintenance (811219);

Grantmaking Foundations (813211).

Appendix E. Report Forms

With the introduction of NAICS, we are producing different forms for many of the industries covered in SAS. We are using a process called docu-printing which gives specific instructions for each industry. Since there are over 250 different versions of the 1999 SAS forms, we cannot include printed examples for this publication. We do have the vast majority of the forms displayed on the Internet. The following URL contains examples of the SAS forms used in the 1999 survey:

<http://www.census.gov/econ/www/servmenu.html>