

## Information and Communications

This section presents statistics on the various information and communications media: publishing, including newspapers, periodicals, books, and software; motion pictures, sound recordings, broadcasting, and telecommunications; and information services, such as libraries. Statistics on computer use and Internet access are also included. Data on the usage, finances, and operations of the Postal Service previously shown in this section are now presented in Section 23, Transportation.

**Information industry**—The U.S. Census Bureau's *Service Annual Survey, Information Services Sector*, provides estimates of operating revenue of taxable firms and revenues and expenses of firms exempt from federal taxes for industries in the information sector of the economy. Similar estimates were previously issued in the *Annual Survey of Communications Services*. Data for 1998 and 1999 are based on the North American Classification System (NAICS) and the information sector is a newly created economic sector. It comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data. It includes establishments previously classified in the Standard Industrial Classification (SIC) in manufacturing (publishing); transportation, communications, and utilities (telecommunications and broadcasting); and services (software publishing, motion picture production, data processing, online information services, and libraries).

This new sector is comprised of industries which existed previously, were revised from previous industry definitions, or are completely new industries. Among those which existed previously are newspaper publishers, motion picture and video production, and online information services.

Revised industries include book publishers and libraries and archives. Newly created industries include database and directory publishers, record production, music publishers, sound recording studios, cable networks, wired telecommunications carriers, paging, and satellite telecommunications. The following URL contains detailed information about NAICS and provides a comparison of the SIC and NAICS <<http://www.census.gov/epcd/www/naics.html>>. See also the text in Section 15, Business Enterprise.

The 1997 Economic Census was the first economic census to cover the new information sector of the economy. The census, conducted every 5-years, for the years ending "2" and "7," provides information on the number of establishments, receipts, payroll, and paid employees for the United States and various geographic levels.

The Federal Communications Commission (FCC), established in 1934, regulates wire and radio communications. Only the largest carriers and holding companies file annual financial reports which are publicly available. The FCC has jurisdiction over interstate and foreign communication services but not over intrastate or local services. The gross operating revenues of the telephone carriers reporting publicly available data annually to the FCC, however, are estimated to cover about 90 percent of the revenues of all U.S. telephone companies. Data are not comparable with Census Bureau *Annual Survey* because of coverage and different accounting practices for those telephone companies which report to the FCC.

Reports filed by the broadcasting industry cover all radio and television stations operating in the United States. The private radio services represent the largest and most diverse group of licensees regulated by the FCC. These services provide voice, data communications, point-to-point, and point-to-multipoint radio communications

for fixed and mobile communicators. Major users of these services are small businesses, the aviation industry, the maritime trades, the land transportation industry, the manufacturing industry, state and local public safety and governmental authorities, emergency medical service providers, amateur radio operators, and personal radio operations (CB and the General Mobile Radio Service). The FCC also licenses entities as private and common carriers. Private and common carriers provide fixed and land mobile communications service on a for-profit basis. Principal sources of wire, radio, and television data are the FCC's *Annual Report* and its annual *Statistics of Communications Common Carriers*.

Statistics on publishing are available from the Census Bureau, as well as from various private agencies. Editor & Publisher Co., New York, NY, presents annual data on the number and circulation of daily

and Sunday newspapers in its *International Year Book*. Data on book production and prices are available from R.R. Bowker, Co., New Providence, NJ. The Book Industry Study Group, New York, NY, collects data on books sold, domestic consumer expenditures, and book purchasing. Data on academic and public libraries are collected by the U.S. National Center for Education Statistics. Public library data are also gathered by R.R. Bowker, New York, NY, and the National Commission on Libraries and Information Science, Washington, DC.

**Advertising**—Data on advertising previously shown in this section are now presented in Section 27, Accommodation, Food Services, and Other Services.

**Statistical reliability**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

## No. 1119. Information Industries—Establishments, Receipts, Payroll, and Employees by Kind of Business (NAICS Basis): 1997

[623,214 represents \$623,214,000,000. For establishments with payroll. Based on the 1997 Economic Census; see Appendix III]

Industry	NAICS code <sup>1</sup>	Receipts		Annual payroll		Paid employee for pay period including March 12 (1,000)	
		Establishments (number)	Total (mil. dol.)	Per paid employee (dol.)	Total (mil. dol.)		Per paid employee (dol.)
<b>Information industries</b> . . . . .	<b>51</b>	<b>114,475</b>	<b>623,214</b>	<b>203,255</b>	<b>129,482</b>	<b>42,229</b>	<b>3,066.2</b>
Publishing industries . . . . .	511	33,896	179,035	177,930	43,358	43,090	1,006.2
Newspaper, periodical, book, & database publishers <sup>2</sup> . . . . .	5111	21,806	117,336	158,598	24,971	33,753	739.8
Newspaper publishers . . . . .	51111	8,758	41,601	103,137	11,789	29,228	403.4
Periodical publishers . . . . .	51112	6,298	29,885	217,265	5,993	43,571	137.6
Book publishers . . . . .	51113	2,684	22,648	251,933	3,643	40,522	89.9
Database & directory publishers . . . . .	51114	1,458	12,258	284,312	1,655	38,384	43.1
Software publishers . . . . .	5112	12,090	61,699	231,622	18,387	69,025	266.4
Motion picture & sound recording industries . . . . .	512	22,204	55,926	202,643	9,392	34,032	276.0
Motion picture & video industries . . . . .	5121	19,269	44,786	175,998	8,280	32,540	254.5
Sound recording industries . . . . .	5122	2,935	11,140	517,797	1,112	51,671	21.5
Broadcasting & telecommunications . . . . .	513	43,480	346,316	241,427	63,480	44,253	1,434.5
Radio & television broadcasting . . . . .	5131	8,789	40,425	161,885	9,869	39,521	249.7
Radio broadcasting . . . . .	51311	6,894	10,648	84,060	3,604	28,455	126.7
Television broadcasting . . . . .	51312	1,895	29,777	242,007	6,264	50,913	123.0
Cable networks & program distribution . . . . .	5132	4,679	45,390	260,334	6,151	35,280	174.4
Telecommunications <sup>2</sup> . . . . .	5133	30,012	260,501	257,822	47,460	46,972	1,010.4
Wired telecommunications carriers . . . . .	51331	20,815	208,791	256,051	39,565	48,520	815.4
Wireless telecommunications carriers (except satellite) . . . . .	51332	6,386	37,889	258,977	5,839	39,913	146.3
Information services & data processing services . . . . .	514	14,895	41,937	119,986	13,252	37,915	349.5
Information services <sup>2</sup> . . . . .	5141	7,307	11,101	127,202	3,478	39,854	87.3
Libraries & archives . . . . .	51412	2,298	861	39,055	373	16,928	22.0
Other information services . . . . .	51419	4,482	8,837	158,544	2,639	47,351	55.7
Online information services . . . . .	514191	4,165	8,043	161,061	2,356	47,181	49.9
Data processing services . . . . .	5142	7,588	30,837	117,585	9,774	37,269	262.3

<sup>1</sup> North American Industry Classification System, 1997; see text, this section, and Section 15, Business Enterprise.

<sup>2</sup> Includes other industries, not shown separately.

Source: U.S. Census Bureau, 1997 Economic Census, Information, Series EC97551A-US, issued October 1999.

## No. 1120. Information Sector Services—Estimated Revenue: 1998 and 1999

[In millions of dollars (695,153 represents \$695,153,000,000), except percent. For taxable and tax-exempt employer and nonemployer firms. Except as indicated, estimates adjusted to the results of the 1997 Economic Census]

Industry	NAICS code <sup>1</sup>	Revenue		Percent change, 1998-99
		1998	1999	
<b>Information industries</b> . . . . .	<b>51</b>	<b>695,153</b>	<b>775,622</b>	<b>11.6</b>
Publishing industries . . . . .	511	203,773	221,543	8.7
Newspaper, periodical, book, database, and other publishers <sup>2</sup> . . . . .	5111	131,228	140,064	6.7
Newspaper publishers . . . . .	51111	45,691	48,594	6.4
Periodical publishers . . . . .	51112	36,865	39,279	6.5
Book publishers . . . . .	51113	22,706	24,373	7.3
Database and directory publishers . . . . .	51114	14,321	15,523	8.4
Software publishers . . . . .	5112	72,546	81,478	12.3
Motion picture and sound recording industries . . . . .	512	60,684	65,196	7.4
Motion picture and video . . . . .	5121	49,558	52,920	6.8
Sound recording <sup>2</sup> . . . . .	5122	11,126	12,275	10.3
Broadcasting and telecommunications . . . . .	513	382,293	426,836	11.7
Radio and television broadcasting . . . . .	5131	44,092	47,630	8.0
Radio broadcasting . . . . .	51311	11,765	13,236	12.5
Television broadcasting . . . . .	51312	32,327	34,394	6.4
Cable networks and program distribution <sup>2</sup> . . . . .	5132	52,320	59,951	14.6
Telecommunications <sup>3</sup> . . . . .	5133	285,880	319,255	11.7
Wired telecommunications carriers . . . . .	51331	228,151	247,836	8.6
Wireless telecommunications carriers (except satellite) <sup>2</sup> . . . . .	51332	42,637	53,822	26.2
Information services and data processing services . . . . .	514	48,404	62,047	28.2
Information services <sup>3</sup> . . . . .	5141	15,151	24,136	59.3
Libraries and archives . . . . .	51412	1,037	1,106	6.6
Other information services . . . . .	51419	12,476	21,148	69.5
Online information services . . . . .	514191	11,446	18,932	65.4
Data processing services . . . . .	5142	33,252	37,911	14.0

<sup>1</sup> Based in the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise.

<sup>2</sup> Estimates not adjusted to the 1997 Economic Census.

<sup>3</sup> Includes other industries, not shown separately.

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

## No. 1121. Information Industries—Establishments, Payroll, and Employees: 1998 and 1999

[3,142.0 represents 3,142,000. For establishments with payroll. Excludes most government employees, railroad employees and self-employed persons]

Industry	NAICS code <sup>1</sup>	Establishments		Paid employees <sup>2</sup> (1,000)		Annual payroll (mil. dol.)	
		1998	1999	1998	1999	1998	1999
<b>Information industries . . . . .</b>	<b>51</b>	<b>120,552</b>	<b>126,510</b>	<b>3,142.0</b>	<b>3,234.5</b>	<b>146,822</b>	<b>170,282</b>
Publishing industries . . . . .	511	33,412	32,377	1,011.1	1,004.7	49,764	54,516
Newspaper, periodical, book, & database publishers . . . . .	5111	21,723	21,245	727.9	700.0	26,148	26,821
Newspaper publishers . . . . .	51111	8,686	8,625	401.4	393.5	12,245	12,740
Periodical publishers . . . . .	51112	6,244	5,984	131.9	126.8	6,248	6,412
Book publishers . . . . .	51113	2,682	2,646	90.5	81.4	3,781	3,767
Database & directory publishers . . . . .	51114	1,276	970	38.0	31.7	1,643	1,455
Other publishers . . . . .	51119	2,835	3,020	66.1	66.6	2,232	2,446
Greeting card publishers . . . . .	511191	107	108	19.8	18.2	669	627
All other publishers . . . . .	511199	2,728	2,912	46.4	48.5	1,562	1,820
Software publishers . . . . .	5112	11,689	11,132	283.2	304.7	23,615	27,696
Motion picture & sound recording industries . . . . .	512	23,155	23,102	281.7	293.4	10,137	10,531
Motion picture & video industries . . . . .	5121	20,049	19,889	255.2	270.2	8,429	9,175
Motion picture & video production . . . . .	51211	9,691	9,796	63.3	72.5	4,742	5,301
Motion picture & video distribution . . . . .	51212	711	706	26.9	27.7	889	1,058
Motion picture & video exhibition . . . . .	51213	6,279	6,197	132.4	137.1	1,084	1,134
Motion picture theaters (except drive-ins) . . . . .	512131	5,961	5,885	130.5	135.2	1,061	1,111
Drive-in motion picture theaters . . . . .	512132	318	312	1.9	1.9	23	22
Post production & other motion picture & video industries . . . . .	51219	3,368	3,190	32.6	32.9	1,714	1,682
Teleproduction & other postproduction services . . . . .	512191	2,990	2,851	28.3	28.5	1,490	1,468
Other motion picture & video industries . . . . .	512199	378	339	4.3	4.4	224	214
Sound recording industries . . . . .	5122	3,106	3,213	26.5	23.2	1,708	1,356
Record production . . . . .	51221	278	274	1.1	1.0	49	53
Integrated record production/distribution . . . . .	51222	289	289	7.0	6.7	676	677
Music publishers . . . . .	51223	718	701	5.2	5.2	232	252
Sound recording studios . . . . .	51224	1,419	1,553	10.7	7.3	649	267
Other sound recording industries . . . . .	51229	402	396	2.5	3.0	102	108
Broadcasting & telecommunications . . . . .	513	47,217	50,852	1,462.7	1,504.2	69,681	76,011
Radio & television broadcasting . . . . .	5131	8,515	8,546	243.0	250.3	10,281	11,364
Radio broadcasting . . . . .	51311	6,570	6,537	114.3	123.5	3,627	4,541
Radio networks . . . . .	513111	320	339	6.4	8.6	255	454
Radio stations . . . . .	513112	6,250	6,198	107.9	114.8	3,372	4,087
Television broadcasting . . . . .	51312	1,945	2,009	128.7	126.8	6,654	6,824
Cable networks & program distribution . . . . .	5132	4,954	5,364	178.7	182.1	7,271	8,060
Cable networks . . . . .	51321	752	755	32.5	33.2	1,903	2,057
Cable & other program distribution . . . . .	51322	4,202	4,609	146.2	148.9	5,368	6,002
Telecommunications . . . . .	5133	33,748	36,942	1,041.0	1,071.9	52,128	56,586
Wired telecommunications carriers . . . . .	51331	22,270	23,461	818.2	815.7	42,099	44,614
Wireless telecommunications carriers (except satellite) . . . . .	51332	7,860	9,263	162.4	186.0	7,101	8,102
Paging . . . . .	513321	3,943	4,099	70.0	71.2	2,727	3,059
Cellular & other wireless telecommunications . . . . .	513322	3,917	5,164	92.4	114.8	4,374	5,043
Telecommunications resellers . . . . .	51333	2,081	2,208	41.2	43.6	1,698	2,167
Satellite telecommunications . . . . .	51334	677	791	11.8	17.6	782	1,235
Other telecommunications . . . . .	51339	860	1,219	7.3	8.9	448	469
Information services & data processing services . . . . .	514	16,768	20,179	386.5	432.2	17,241	29,224
Information services . . . . .	5141	8,471	11,265	119.0	149.2	6,550	16,473
News syndicates . . . . .	51411	516	564	9.9	11.4	522	612
Libraries & archives . . . . .	51412	2,320	2,590	24.1	31.0	416	566
Other information services . . . . .	51419	5,635	8,111	84.9	106.8	5,612	15,295
Online information services . . . . .	514191	5,277	7,714	78.8	98.9	5,005	12,816
All other information services . . . . .	514199	358	397	6.2	8.0	607	2,479
Data processing services . . . . .	5142	8,297	8,914	267.5	283.0	10,691	12,751

<sup>1</sup> North American Industry Classification System code; see text, this section, and Section 15, Business Enterprise. <sup>2</sup> For employees on the payroll for the pay period including March 12.

Source: U.S. Census Bureau, *County Business Patterns*, annual.

## No. 1122. Gross Domestic Income in Information Technologies (IT) Industries: 1992 to 2000

[In millions of dollars (371,080 represents \$371,080,000,000), except as noted]

Industry	1987 SIC <sup>1</sup> code	1992		1995	1998 est.	1999 est.	2000 est.
		1992	1995	1995	1998 est.	1999 est.	2000 est.
<b>Total all IT industries</b> . . . . .	(X)	<b>371,080</b>	<b>491,292</b>		<b>665,530</b>	<b>746,092</b>	<b>814,727</b>
Percent share of the economy . . . . .	(X)	5.9	6.7		7.6	8.0	8.3
Hardware . . . . .	(X)	110,050	155,409		210,914	226,214	243,506
Computers and equipment, calc. machines . . . . .	3571,2,5,7pt, 3578,9pt	24,102	31,036		39,211	42,622	46,330
Computers and equipment wholesale sales . . . . .	5045pt	39,743	51,114		75,084	81,106	88,162
Computers and equipment retail sales . . . . .	5734pt	1,915	2,861		3,407	3,687	4,008
Electron tubes . . . . .	3671	1,053	1,206		1,317	1,402	1,493
Printed circuit boards . . . . .	3672	3,556	4,406		5,527	5,604	5,683
Semiconductors . . . . .	3674	18,308	40,836		57,055	60,763	64,713
Passive electronic components . . . . .	3675,6,7,8,9pt, 3661pt	13,494	15,310		12,072	12,881	13,744
Industrial instruments for measurement . . . . .	3823	2,552	2,526		4,874	5,215	5,580
Instruments for measuring electricity . . . . .	3825pt	3,493	3,981		8,383	8,953	9,562
Laboratory analytical instruments . . . . .	3826	1,835	2,134		3,986	3,982	4,233
Software/services <sup>2</sup> . . . . .	(X)	75,490	111,350		185,609	213,986	245,644
Computer programming services . . . . .	7371	18,624	26,120		47,796	55,013	62,715
Prepackaged software . . . . .	7372	14,555	22,768		34,497	40,016	46,419
Computer integrated systems design . . . . .	7373	11,814	13,599		24,692	28,420	32,598
Computer processing and data preparation . . . . .	7374	12,554	21,844		28,062	32,300	37,048
Information retrieval services . . . . .	7375	2,879	3,910		8,977	10,333	11,852
Computer services management . . . . .	7376	1,910	2,090		2,942	3,386	3,884
Computer rental leasing . . . . .	7377	1,528	1,880		2,944	3,389	3,887
Computer maintenance and repair . . . . .	7378	4,989	6,949		10,029	11,544	13,241
Computer related services, n.e.c. <sup>3</sup> . . . . .	7379	4,406	9,305		21,261	24,472	28,069
Communications hardware <sup>2</sup> . . . . .	(X)	23,970	30,775		46,710	49,151	51,816
Telephone and telegraph equipment . . . . .	3661pt, 3577pt, 3679pt	10,251	12,139		21,807	22,592	23,405
Radio and TV and communications equip. . . . .	3663, 3679pt, 3699	10,134	14,310		20,642	22,252	23,987
Communications services <sup>2</sup> . . . . .	(X)	161,570	193,758		222,298	256,740	273,761
Telephone and telegraph communications . . . . .	481, 2, 9	129,960	145,491		159,712	189,400	199,109
Television broadcasting . . . . .	4833	11,649	18,442		22,740	23,520	26,551
Cable and other pay TV services . . . . .	4841	14,992	21,778		29,798	32,266	35,231

X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification code. See text, Section 15, Business Enterprise. <sup>2</sup> Includes other industries, not shown separately. <sup>3</sup> N.e.c. means not elsewhere classified.

## No. 1123. Information Technologies (IT)—Employment and Wages: 1992 to 1998

[89,956 represents 89,956,000]

Industry	1987 SIC <sup>1</sup> code	Employment (1,000)			Annual wages per worker (dol.)		
		1992	1995	1998	1992	1995	1998
<b>Total private</b> . . . . .	(X)	<b>89,956</b>	<b>97,885</b>	<b>106,007</b>	<b>25,400</b>	<b>27,200</b>	<b>31,400</b>
<b>Total IT-producing industries</b> . . . . .	(X)	<b>3,875</b>	<b>4,240</b>	<b>5,156</b>	<b>41,300</b>	<b>46,400</b>	<b>58,000</b>
Hardware . . . . .	(X)	1,436	1,475	1,708	42,400	46,300	58,000
Electronic computers . . . . .	3571	242	190	200	52,400	59,600	83,900
Computers and equipment wholesalers . . . . .	5045pt	277	285	367	52,500	54,300	69,700
Computers and equipment retailers . . . . .	5734pt	75	94	126	32,200	33,800	40,400
Computer storage devices & peripheral equipment . . . . .	3572,7	91	105	119	41,200	46,500	57,400
Computer terminals, office & accounting, machines, & office machines, n.e.c. <sup>2</sup> . . . . .	3575,8,9	58	58	61	43,300	46,600	56,900
Electron tubes . . . . .	3671	27	24	20	38,400	41,900	46,400
Semiconductors . . . . .	3674	217	235	284	44,500	53,800	64,400
Printed circuit boards, electronic capacitors . . . . .	3672,5-8	157	187	208	25,700	28,300	32,900
Electronic components, n.e.c. <sup>2</sup> . . . . .	3679	127	135	148	29,700	32,900	37,500
Industrial instruments for measurement . . . . .	3823	61	64	67	35,100	38,400	46,400
Instruments for measuring electricity . . . . .	3825	76	71	77	42,500	51,600	62,900
Analytical instruments . . . . .	3826	28	28	32	38,700	44,200	54,300
Software/services <sup>3</sup> . . . . .	(X)	854	1,110	1,625	44,300	50,700	65,300
Computer programming services . . . . .	7371	169	245	370	46,200	52,700	64,700
Prepackaged software . . . . .	7372	131	181	252	57,000	63,700	94,100
Computer integrated systems design . . . . .	7373	103	130	178	48,600	54,700	65,400
Computer processing & data preparation . . . . .	7374	204	223	254	34,400	39,700	45,800
Information retrieval services . . . . .	7375	45	57	98	36,700	42,200	63,700
Computer maintenance & repair . . . . .	7378	43	49	60	36,600	37,800	41,200
Computer services management, rental & leasing, & maintenance & repair . . . . .	7376,7,9	141	205	387	46,000	51,800	64,100
Communications equipment <sup>3</sup> . . . . .	(X)	317	337	353	38,900	43,200	53,700
Telephone and telegraph equipment . . . . .	3661	110	112	126	42,400	49,900	62,400
Radio and TV communications equipment & communications equipment, n.e.c. <sup>2</sup> . . . . .	3663,9	129	153	156	39,100	42,700	52,100
Communications services <sup>3</sup> . . . . .	(X)	1,269	1,318	1,469	38,600	43,700	50,900
Telephone communications . . . . .	481	885	900	1,007	41,400	46,800	53,700
Telephone & telegraph communications . . . . .	482,489	26	27	35	41,700	48,500	56,200
Television broadcasting . . . . .	4833	115	123	131	41,400	47,200	54,600
Cable & other pay TV services . . . . .	4841	131	156	181	29,600	34,600	42,200

X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification code. See text, Section 15, Business Enterprise. <sup>2</sup> N.e.c. means not elsewhere classified. <sup>3</sup> Includes other industries, not shown separately.

Source of Tables 1122 and 1123: U.S. Department of Commerce, Economics and Statistics Administration, *The Digital Economy*, June 2000.

**No. 1124. Communications Industry—Finances: 1995 to 1999**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

**No. 1125. Media Usage and Consumer Spending: 1995 to 2004**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

## No. 1126. Utilization of Selected Media: 1970 to 1999

[62.0 represents 62,000,000]

Item	Unit	1970	1980	1985	1990	1994	1995	1996	1997	1998	1999
Households with—											
Telephone service <sup>1</sup>	Percent	87.0	93.0	91.8	93.3	93.9	93.9	93.8	93.9	94.1	94.2
Radio <sup>2</sup>	Millions	62.0	78.6	87.1	94.4	98.0	98.0	98.0	98.0	(NA)	(NA)
Percent of total households	Percent	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	(NA)
Average number of sets	Number	5.1	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	(NA)
Television <sup>3</sup>	Millions	59	76	85	92	94	95	96	97	98	99
Percent of total households	Percent	95.3	97.9	98.1	98.2	98.3	98.3	98.3	98.4	98.3	98.2
Television sets in homes	Millions	81	128	155	193	211	217	223	229	235	240
Average number of sets per home	Number	1.4	1.7	1.8	2.1	2.2	2.3	2.3	2.4	2.4	2.4
Color set households	Millions	21	63	78	90	93	94	95	97	98	99
Cable television <sup>4</sup>	Millions	4	15	36	52	59	60	63	64	66	67
Percent of TV households	Percent	6.7	19.9	42.8	56.4	62.4	63.4	65.3	66.5	67.2	67.5
VCRs <sup>4</sup>	Millions	(NA)	1	18	63	74	77	79	82	83	84
Percent of TV households	Percent	(NA)	1.1	20.8	68.6	79.0	81.0	82.2	84.2	84.6	84.6
Commercial radio stations: <sup>2</sup>											
AM	Number	4,323	4,589	5,478	4,987	4,913	4,150	4,857	4,762	4,793	4,783
FM	Number	2,196	3,282	3,875	4,392	5,109	5,730	5,419	5,542	5,662	5,766
Television stations: <sup>6</sup> Total	Number	862	1,011	1,197	1,442	1,512	1,532	1,533	1,574	1,572	1,585
Commercial	Number	677	734	883	1,092	1,145	1,161	1,174	1,205	1,204	1,216
VHF	Number	501	516	520	547	561	562	554	560	562	561
UHF	Number	176	218	363	545	584	599	620	645	642	682
Cable television: <sup>7</sup>											
Systems	Number	2,490	4,225	6,844	9,575	11,214	11,218	11,119	10,950	10,845	10,700
Households served <sup>8</sup>	Millions	4.5	17.7	39.9	54.9	60.5	63.0	64.6	65.9	67.4	68.0
Daily newspaper circulation <sup>9</sup>	Millions	62.1	62.2	62.8	62.3	59.3	58.2	57.0	56.7	56.2	56.0

NA Not available. <sup>1</sup> For occupied housing units, 1970 and 1980 as of April 1; all other years as of March. Source: U.S. Census Bureau, *1970 and 1980 Census of Housing*, Vol. 1; thereafter Federal Communications Commission, *Trends in Telephone Service*, annual. <sup>2</sup> 1980-1995 as of December 31, except as noted. Source: M Street Corp. as reported by Radio Advertising Bureau New York, NY, through 1990, *Radio Facts*, annual, (copyright); beginning 1994, *Radio Marketing Guide and Fact Book for Advertisers*, annual, (copyright). Number of stations on the air compiled from Federal Communications Commission reports. Beginning 1996, Federal Communications Commission, unpublished data as of Sept. 30. <sup>3</sup> 1970, as of September of prior year; all other years as of January of year shown. Excludes Alaska and Hawaii. Source: Television Bureau of Advertising, Inc., *Trends in Television*, annual (copyright). <sup>4</sup> As of February. Excludes Alaska and Hawaii. Source: See footnote 3. <sup>5</sup> As of February 1986. <sup>6</sup> As of January 1. Source: See footnote 3. <sup>7</sup> As of January 1. Source: Warren Publishing, Washington DC, *Television and Cable Factbook* (copyright). <sup>8</sup> Source: Nielsen Media Research, New York, NY, *Nielsen Station Index*, November diary estimates (copyright). <sup>9</sup> As of September 30. Source: Editor & Publisher, Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

Source: Compiled from sources mentioned in footnotes.

## No. 1127. Multimedia Audiences—Summary: 2000

[In percent, except total (199,438 represents 199,438,000). As of spring. For persons 18 years old and over. Represents the percent of persons participating during the prior week, except as indicated. Based on sample and subject to sampling error; see source for details]

Item	Total population (1,000)	Television viewing	Television prime time viewing	Cable viewing	Radio listening	Newspaper reading	Accessed Internet <sup>2</sup>
<b>Total</b>	<b>199,438</b>	<b>93.5</b>	<b>82.1</b>	<b>71.3</b>	<b>84.0</b>	<b>79.3</b>	<b>45.4</b>
18 to 24 years old	25,691	92.2	73.8	68.6	90.6	73.3	58.7
25 to 34 years old	39,066	92.4	81.3	71.1	90.6	77.0	53.3
35 to 44 years old	44,791	92.4	81.1	71.9	89.7	80.5	53.8
45 to 54 years old	34,774	93.7	83.5	74.7	87.5	83.5	54.8
55 to 64 years old	22,711	94.7	85.6	76.4	80.8	82.4	35.1
65 years old and over	32,404	96.5	86.7	65.4	61.1	78.1	10.7
Male	95,691	94.3	82.3	72.0	85.3	79.3	47.1
Female	103,747	92.8	81.8	70.6	82.8	79.2	43.8
White	167,002	93.4	82.0	72.6	84.4	80.0	46.8
Black	23,628	95.9	84.9	67.3	84.1	77.3	33.1
Asian	5,507	92.2	77.4	49.8	74.6	68.3	53.5
Other	3,301	88.3	74.4	68.2	78.1	72.0	46.4
Spanish speaking	21,359	93.5	81.6	55.9	84.6	66.3	34.1
Not high school graduate	35,260	94.8	82.7	56.6	73.0	60.0	11.6
High school graduate	66,360	94.5	84.6	71.8	82.7	78.8	31.0
Attended college	52,878	93.6	80.6	76.2	89.3	83.7	59.5
College graduate	44,940	91.1	79.4	76.1	88.1	89.7	76.5
Employed:							
Full time	113,259	92.7	81.0	74.6	91.1	82.0	56.8
Part time	17,176	92.2	78.7	70.9	89.2	82.1	55.1
Not employed	69,003	95.3	84.6	65.9	79.0	74.1	24.2
Household income:							
Less than \$10,000	14,292	93.6	81.6	47.7	68.0	58.7	14.6
\$10,000 to \$19,999	24,406	95.3	84.2	55.8	71.2	68.6	14.2
\$20,000 to \$29,999	25,327	94.8	84.3	63.8	78.7	73.9	24.5
\$30,000 to \$39,999	24,055	94.0	82.2	70.4	84.7	77.2	37.5
\$40,000 to \$49,999	21,816	92.8	82.6	73.9	86.4	79.5	44.1
\$50,000 or more	89,542	92.7	80.7	80.9	90.7	87.5	67.1

<sup>1</sup> In the past 7 days. <sup>2</sup> In the last 30 days.

Source: Mediamark Research Inc., New York, NY, *Multimedia Audiences*, spring 2000 (copyright).

## No. 1128. Newspapers and Periodicals—Number by Type: 1980 to 2000

[Data refer to year of compilation of the directory cited as the source, i.e., generally to year preceding year shown. Data for 1995 and prior years include Canada and Mexico]

Type	1980	1985	1990	1994	1995	1996	1997	1998	1999	2000
Newspapers <sup>1</sup> . . . . .	9,620	9,134	11,471	12,513	12,246	10,466	10,042	10,504	10,530	10,696
Semiweekly . . . . .	537	517	579	661	705	612	558	557	560	558
Weekly . . . . .	7,159	6,811	8,420	9,067	9,011	7,655	7,191	7,267	7,471	7,594
Daily . . . . .	1,744	1,701	1,788	1,831	1,710	1,537	1,582	1,461	1,647	1,661
Periodicals <sup>1</sup> . . . . .	10,236	11,090	11,092	12,136	11,179	9,843	8,530	12,448	11,751	13,019
Weekly . . . . .	1,716	1,367	553	487	513	442	350	382	366	402
Semi-monthly <sup>2</sup> . . . . .	645	801	435	209	216	307	139	262	123	149
Monthly . . . . .	3,985	4,088	4,239	4,494	4,067	3,554	3,067	3,378	3,204	3,572
Bimonthly . . . . .	1,114	1,361	2,087	2,475	2,568	2,216	1,943	2,184	2,034	2,294
Quarterly . . . . .	1,444	1,759	2,758	3,370	3,621	3,280	2,893	3,386	3,158	3,578

<sup>1</sup> Includes other items not shown separately. <sup>2</sup> Includes fortnightly (every 2 weeks).

Source: Gale Group, Farmington Hills, MI, *Gale Directory of Publications and Broadcast Media*, annual (copyright).

## No. 1129. Newspaper, Periodical, Database, and Directory Publishers—Estimated Revenue, Printing Expenses, and Inventories: 1998 and 1999

[In millions of dollars (45,521 represents \$45,521,000,000), except percent. For taxable and tax-exempt employer firms. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, Section 15, Business Enterprise. Minus sign (-) indicates decrease]

Item	Newspaper publishers (NAICS 51111)			Periodical publishers (NAICS 51112)			Database and directory publishers (NAICS 51114)		
	1998	1999	Percent change, 1998-99	1998	1999	Percent change, 1998-99	1998	1999	Percent change, 1998-99
<b>Revenue . . . . .</b>	<b>45,521</b>	<b>48,414</b>	<b>6.4</b>	<b>36,443</b>	<b>38,826</b>	<b>6.5</b>	<b>14,239</b>	<b>15,433</b>	<b>8.4</b>
Single copy and subscription sales, total . . . . .	8,592	8,818	2.6	14,907	15,670	5.1	1,274	1,409	10.6
Print . . . . .	8,561	8,760	2.3	14,190	14,700	3.6	631	605	-4.1
Electronic . . . . .	(S)	(S)	(S)	718	969	35.1	643	804	25.0
Advertising sales, total . . . . .	32,843	35,513	8.1	16,690	17,989	7.8	9,889	10,679	8.0
Print . . . . .	32,740	35,376	8.1	16,515	17,766	7.6	9,850	10,590	7.5
Electronic . . . . .	103	136	32.6	176	223	27.0	39	89	127.6
Contract printing . . . . .	1,680	1,765	5.1	1,148	1,140	-0.7	127	143	12.7
Other revenue . . . . .	2,407	2,318	-3.7	3,698	4,028	8.9	2,950	3,202	8.6
Expenses: Purchased printing . . . . .	3,245	3,427	5.6	4,208	4,287	1.9	1,182	1,198	1.3
Inventories at end of year . . . . .	740	737	-0.4	1,199	1,258	4.8	227	408	80.1
Finished goods and work-in- process . . . . .	38	43	14.1	801	877	9.4	206	383	86.1
Materials, supplies, fuel, etc . . . . .	702	694	-1.1	398	381	-4.4	(S)	(S)	(S)

S Data do not meet publication standards.

Source: U.S. Census Bureau, 1999 Service Annual Survey, *Information Sector Services*.

## No. 1130. Daily and Sunday Newspapers—Number and Circulation: 1970 to 2000

[62.1 represents 62,100,000. Number of newspapers as of February 1 the following year. Circulation figures as of September 30 of year shown. For English language newspapers only]

Type	1970	1975	1980	1985	1990	1994	1995	1996	1997	1998	1999	2000
<b>NUMBER</b>												
Daily: Total <sup>1</sup> . . . . .	1,748	1,756	1,745	1,676	1,611	1,548	1,533	1,520	1,509	1,489	1,483	1,480
Morning . . . . .	334	339	387	482	559	635	656	686	705	721	736	766
Evening . . . . .	1,429	1,436	1,388	1,220	1,084	935	891	846	816	781	760	727
Sunday . . . . .	586	639	736	798	863	886	888	890	903	898	905	917
<b>CIRCULATION (mil.)</b>												
Daily: Total <sup>1</sup> . . . . .	62.1	60.7	62.2	62.8	62.3	59.3	58.2	57.0	56.7	56.2	56.0	55.8
Morning . . . . .	25.9	25.5	29.4	36.4	41.3	43.4	44.8	44.8	45.4	45.6	46.0	46.8
Evening . . . . .	36.2	35.2	32.8	26.4	21.0	15.9	13.9	12.2	11.3	10.5	10.0	9.0
Sunday . . . . .	49.2	51.1	54.7	58.8	62.6	62.3	61.5	60.8	60.5	60.1	59.9	59.4
<b>PER CAPITA CIRCULATION<sup>2</sup></b>												
Daily: Total <sup>1</sup> . . . . .	0.30	0.28	0.27	0.26	0.25	0.23	0.22	0.21	0.21	0.21	0.21	0.20
Morning . . . . .	0.13	0.12	0.13	0.15	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Evening . . . . .	0.18	0.16	0.14	0.11	0.08	0.06	0.05	0.05	0.04	0.04	0.04	0.03
Sunday . . . . .	0.24	0.24	0.24	0.25	0.25	0.24	0.23	0.23	0.23	0.22	0.22	0.22

<sup>1</sup> All-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening. <sup>2</sup> Based on U.S. Census Bureau estimated resident population as of July 1.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).



## No. 1131. Daily Newspapers—Number and Circulation by Size of City: 1980 to 2000

[29,413 represents 29,413,000. Number of newspapers as of February 1 the following year. Circulation as of September 30. For English language newspapers only. See Table 32 for number of cities by population size. All-day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.]

Type of daily and population-size class	Number					Net paid circulation (1,000)				
	1980	1985	1990	1995	2000	1980	1985	1990	1995	2000
<b>Morning dailies, total . . .</b>	<b>387</b>	<b>482</b>	<b>559</b>	<b>656</b>	<b>766</b>	<b>29,413</b>	<b>36,361</b>	<b>41,311</b>	<b>44,310</b>	<b>46,772</b>
In cities of—										
1,000,001 or more . . . . .	20	22	18	25	26	8,795	9,367	6,508	10,173	10,820
500,001 to 1,000,000 . . . . .	27	24	22	22	25	5,705	6,897	4,804	5,587	5,412
100,001 to 500,000 . . . . .	99	121	138	153	163	8,996	12,197	20,051	17,214	17,469
50,001 to 100,000 . . . . .	75	87	100	138	162	2,973	3,653	4,373	5,602	5,887
25,001 to 50,000 . . . . .	64	83	102	115	141	1,701	2,145	3,209	3,150	3,899
Less than 25,000 . . . . .	102	145	179	203	249	1,243	2,099	2,365	2,584	3,285
<b>Evening dailies, total . . .</b>	<b>1,388</b>	<b>1,220</b>	<b>1,084</b>	<b>891</b>	<b>727</b>	<b>32,788</b>	<b>26,407</b>	<b>21,017</b>	<b>13,883</b>	<b>9,000</b>
In cities of—										
1,000,001 or more . . . . .	11	8	7	3	1	2,984	2,169	1,423	390	1
500,001 to 1,000,000 . . . . .	23	14	12	7	3	4,101	1,626	1,350	1,017	519
100,001 to 500,000 . . . . .	123	102	71	45	32	8,178	6,987	4,687	2,529	1,603
50,001 to 100,000 . . . . .	156	127	94	72	54	4,896	3,942	2,941	2,029	1,332
25,001 to 50,000 . . . . .	246	229	204	158	124	5,106	4,606	4,278	2,819	1,898
Less than 25,000 . . . . .	829	740	696	606	513	7,523	7,075	6,338	5,099	3,648

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

## No. 1132. Daily and Sunday Newspapers—Number and Circulation by State: 2000

[55,773 represents 55,773,000. Number of newspapers as of February 1 the following year. Circulation as of September 30. For English language newspapers only. New York, Massachusetts, and Virginia Sunday newspapers include national circulation.]

State	Daily			Sunday		State	Daily			Sunday	
	Number	Circulation <sup>1</sup>		Number	Net paid circulation <sup>1</sup> (1,000)		Number	Circulation <sup>1</sup>		Number	Net paid circulation <sup>1</sup> (1,000)
		Net paid (1,000)	Per capita <sup>2</sup>					Net paid (1,000)	Per capita <sup>2</sup>		
<b>U.S. . . .</b>	<b>1,480</b>	<b>55,773</b>	<b>0.20</b>	<b>917</b>	<b>59,421</b>	<b>MO . . . . .</b>	43	937	0.17	23	1,209
AL . . . . .	24	658	0.15	20	739	MT . . . . .	11	184	0.20	7	188
AK . . . . .	7	107	0.17	5	125	NE . . . . .	17	437	0.26	6	410
AZ . . . . .	16	778	0.15	11	892	NV . . . . .	8	296	0.15	4	320
AR . . . . .	30	472	0.18	16	525	NH . . . . .	12	234	0.19	8	242
CA . . . . .	92	6,175	0.18	61	6,250	NJ . . . . .	19	1,367	0.16	16	1,667
CO . . . . .	29	1,267	0.29	16	1,510	NM . . . . .	18	285	0.16	13	288
CT . . . . .	17	727	0.21	13	816	NY . . . . .	59	6,393	0.34	36	5,455
DE . . . . .	2	140	0.18	2	161	NC . . . . .	47	1,334	0.17	39	1,484
DC . . . . .	2	865	1.51	2	1,114	ND . . . . .	10	167	0.26	7	171
FL . . . . .	42	3,067	0.19	38	3,870	OH . . . . .	84	2,399	0.21	43	2,705
GA . . . . .	34	1,047	0.13	28	1,336	OK . . . . .	43	639	0.19	36	782
HI . . . . .	6	221	0.18	5	254	OR . . . . .	19	681	0.20	11	724
ID . . . . .	12	211	0.16	8	229	PA . . . . .	84	2,742	0.22	41	3,156
IL . . . . .	68	2,342	0.19	30	2,478	RI . . . . .	6	221	0.21	3	258
IN . . . . .	68	1,313	0.22	25	1,275	SD . . . . .	15	625	0.16	14	732
IA . . . . .	37	621	0.21	12	634	SC . . . . .	11	156	0.21	4	135
KS . . . . .	45	442	0.16	15	395	TN . . . . .	25	856	0.15	17	1,039
KY . . . . .	23	612	0.15	14	652	TX . . . . .	87	2,926	0.14	83	3,874
LA . . . . .	26	726	0.16	21	802	UT . . . . .	6	330	0.15	6	369
ME . . . . .	7	232	0.18	4	194	VT . . . . .	8	122	0.20	3	98
MD . . . . .	14	612	0.12	8	876	VA . . . . .	28	2,721	0.38	17	1,165
MA . . . . .	32	1,631	0.26	16	1,595	WA . . . . .	24	1,107	0.19	18	1,264
MI . . . . .	49	1,723	0.17	26	1,969	WV . . . . .	22	363	0.20	12	367
MN . . . . .	25	848	0.17	14	1,149	WI . . . . .	35	944	0.18	17	1,013
MS . . . . .	23	385	0.14	18	391	WY . . . . .	9	87	0.18	5	70

<sup>1</sup> Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the publisher's office. <sup>2</sup> Per capita based on enumerated resident population as of April 1.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

**No. 1133. Periodicals—Average Retail Prices: 1997 to 2001**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

**No. 1134. Quantity of Books Sold and Value of U.S. Domestic Consumer Expenditures: 1995 to 2000**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

**No. 1135. American Book Title Production: 1998 and 1999**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

**No. 1136. Average Per Volume Book Prices: 1998 and 1999**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

## No. 1137. Book Publishers—Estimated Revenue, Printing Expenses, and Inventories: 1998 and 1999

[In millions of dollars (22,480 represents \$22,480,000,000), except percent. For taxable and tax-exempt employer firms. For NAICS 51113. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease]

Item	1998	1999	Percent change, 1998-99
<b>Revenue . . . . .</b>	<b>22,480</b>	<b>24,129</b>	<b>7.3</b>
Revenue from the sale of printed material. . . . .	18,622	19,840	6.5
Revenue from the sale of electronic or nonprinted material (except audio), total. . . . .	2,168	2,434	12.2
Multimedia. . . . .	748	811	8.4
Online. . . . .	1,420	1,623	14.3
Revenue from the sale of audio books. . . . .	191	198	3.8
Revenue from the sale of publication rights. . . . .	235	247	5.2
Contract printing. . . . .	428	361	-15.7
Other revenues. . . . .	836	1,048	25.5
Expenses: Purchased printing. . . . .	3,908	4,104	5.0
Inventories at end of year. . . . .	2,737	2,984	9.0
Finished goods and work-in-process. . . . .	2,510	2,723	8.5
Materials, supplies, fuel, etc. . . . .	227	261	14.6

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

## No. 1138. Book Purchasing by Adults: 1991 and 1999

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

## No. 1139. Software Publishers—Estimated Revenue, Expenses, and Inventories: 1998 and 1999

[In millions of dollars (72,098 represents \$72,098,000,000), except percent. For taxable and tax-exempt employer firms. Covers NAICS 5112. Estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease]

Item	1998	1999	Percent change, 1998-99
<b>Revenue</b> . . . . .	<b>72,098</b>	<b>80,959</b>	<b>12.3</b>
Personal computer software revenue, total . . . . .	11,818	12,940	9.5
Enterprise software revenue, total . . . . .	20,580	22,849	11.0
Systems and systems management software revenue . . . . .	10,130	12,261	21.0
Electronic commerce enabling technologies and software . . . . .	(S)	(S)	(S)
Mainframe computer software revenue, total . . . . .	8,065	8,676	7.6
Other services revenue, total . . . . .	13,625	16,076	18.0
Implementation and customization . . . . .	4,597	5,428	18.1
Software upgrades and maintenance . . . . .	7,224	8,575	18.7
Software user training . . . . .	1,201	1,313	9.3
Internet access fees . . . . .	(S)	(S)	(S)
Web hosting and design . . . . .	(S)	(S)	(S)
Web site advertising . . . . .	15	35	138.5
Other revenues . . . . .	7,117	6,883	-3.3
<b>Expenses: Selected purchases, total</b> . . . . .	<b>4,751</b>	<b>5,460</b>	<b>14.9</b>
Purchased printing . . . . .	627	693	10.5
Purchased software reproduction . . . . .	2,136	2,413	13.0
Purchased programming services . . . . .	1,987	2,354	18.4
<b>Inventories at end of year</b> . . . . .	<b>784</b>	<b>863</b>	<b>10.1</b>
Finished goods and work-in-process . . . . .	665	697	4.8
Materials, supplies, fuel, etc. . . . .	119	167	39.8

S Data do not meet publication standards.

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

## No. 1140. Motion Picture and Sound Recording Industries—Estimated Revenue and Inventories: 1998 and 1999

[In millions of dollars (58,850 represents \$58,850,000,000), except percent. For taxable and tax-exempt employer firms. For NAICS 512. Except where indicated, estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease]

Item	1998	1999	Percent change, 1998-99
<b>Motion picture and recording industries (NAICS 512):</b>			
Operating revenue . . . . .	58,850	63,196	7.4
Total inventories . . . . .	14,370	15,407	7.2
Finished goods and work-in-process . . . . .	14,208	15,230	7.2
Materials, supplies, fuel, etc. . . . .	163	177	8.6
<b>Motion picture and video (NAICS 5121):</b>			
Operating revenue . . . . .	48,002	51,227	6.7
Total inventories . . . . .	14,053	15,101	7.5
Finished goods and work-in-process . . . . .	13,942	14,983	7.5
Materials, supplies, fuel, etc. . . . .	112	118	5.7
<b>Sound recording (NAICS 5122):<sup>1</sup></b>			
Operating revenue . . . . .	10,848	11,969	10.3
Total inventories . . . . .	317	306	-3.4
Finished goods and work-in-process . . . . .	266	248	-6.9
Materials, supplies, fuel, etc. . . . .	51	58	15.0

<sup>1</sup> Estimates not adjusted to the results of the 1997 Economic Census.

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

## No. 1141. Recording Media—Manufacturers' Shipments and Value: 1982 to 2000

[577.4 represents 577,400,000. Domestic shipments based on reports of manufacturers representing more than 85 percent of the market. Domestic value data based on list prices of records and other media]

Medium	1982	1985	1990	1995	1996	1997	1998	1999	2000
UNIT SHIPMENTS <sup>1</sup> (mil.)									
<b>Total<sup>2</sup></b> . . . . .	<b>577.4</b>	<b>653.0</b>	<b>865.7</b>	<b>1,112.7</b>	<b>1,137.2</b>	<b>1,063.4</b>	<b>1,124.3</b>	<b>1,160.6</b>	<b>1,079.3</b>
CDs . . . . .	(X)	22.6	286.5	722.9	778.9	753.1	847.0	938.9	942.5
CD singles . . . . .	(X)	(X)	1.1	21.5	43.2	66.7	56.0	55.9	34.2
Cassettes . . . . .	182.3	339.1	442.2	272.6	225.3	172.6	158.5	123.6	76.0
Cassette singles . . . . .	(X)	(X)	87.4	70.7	59.9	42.2	26.4	14.2	1.3
Albums—LPs and EPs . . . . .	243.9	167.0	11.7	2.2	2.9	2.7	3.4	2.9	2.2
Vinyl singles . . . . .	137.2	120.7	27.6	10.2	10.1	7.5	5.4	5.3	4.8
Music video <sup>3</sup> . . . . .	(X)	(X)	9.2	12.6	16.9	18.6	27.2	19.8	18.2
DVDs <sup>3</sup> . . . . .	(X)	(X)	(X)	(X)	(X)	(X)	0.5	2.5	3.3
VALUE (mil. dol.)									
<b>Total<sup>2</sup></b> . . . . .	<b>3,641.6</b>	<b>4,378.8</b>	<b>7,541.1</b>	<b>12,320.3</b>	<b>12,533.8</b>	<b>12,236.8</b>	<b>13,723.5</b>	<b>14,584.5</b>	<b>14,323.0</b>
CDs . . . . .	(X)	389.5	3,451.6	9,377.4	9,934.7	9,915.1	11,416.0	12,816.3	13,214.5
CD singles . . . . .	(X)	(X)	6.0	110.9	184.1	272.7	213.2	222.4	142.7
Cassettes . . . . .	1,384.5	2,411.5	3,472.4	2,303.6	1,905.3	1,522.7	1,419.9	1,061.6	626.0
Cassette singles . . . . .	(X)	(X)	257.9	236.3	189.3	133.5	94.4	48.0	4.6
Albums—LPs and EPs . . . . .	1,925.1	1,280.5	86.5	25.1	36.8	33.3	34.0	31.8	27.7
Vinyl singles . . . . .	283.0	281.0	94.4	46.7	47.5	35.6	25.7	27.9	26.3
Music video . . . . .	(X)	(X)	172.3	220.3	236.1	323.9	508.0	376.7	281.9
DVDs <sup>3</sup> . . . . .	(X)	(X)	(X)	(X)	(X)	(X)	12.2	66.3	80.3

X Not applicable. <sup>1</sup> Net units, after returns. <sup>2</sup> Includes discontinued media. <sup>3</sup> Included in music videos beginning 1999.

Source: Recording Industry Association of America, Washington, DC, Internet site <<http://www.riaa.com>> (accessed 13 August 2001).

## No. 1142. Profile of Consumer Expenditures for Sound Recordings: 1990 to 2000

[In percent, except total value (7,541.1 represents \$7,541,100,000). Based on monthly telephone surveys of the population 10 years old and over]

Item	1990	1994	1995	1996	1997	1998	1999	2000
<b>Total value (mil. dol.) . . . . .</b>	<b>7,541.1</b>	<b>12,068.0</b>	<b>12,320.3</b>	<b>12,533.8</b>	<b>12,236.8</b>	<b>13,723.5</b>	<b>14,584.5</b>	<b>14,323.0</b>
PERCENT DISTRIBUTION <sup>1</sup>								
Age: 10 to 14 years . . . . .	7.6	7.9	8.0	7.9	8.9	9.1	8.5	8.9
15 to 19 years . . . . .	18.3	16.8	17.1	17.2	16.8	15.8	12.6	12.9
20 to 24 years . . . . .	16.5	15.4	15.3	15.0	13.8	12.2	12.6	12.5
25 to 29 years . . . . .	14.6	12.6	12.3	12.5	11.7	11.4	10.5	10.6
30 to 34 years . . . . .	13.2	11.8	12.1	11.4	11.0	11.4	10.1	9.8
35 to 39 years . . . . .	10.2	11.5	10.8	11.1	11.6	12.6	10.4	10.6
40 to 44 years . . . . .	7.8	7.9	7.5	9.1	8.8	8.3	9.3	9.6
45 years and over . . . . .	11.1	15.4	16.1	15.1	16.5	18.1	24.7	23.8
Sex: Male . . . . .	54.4	52.7	53.0	50.9	48.6	48.7	50.3	50.6
Female . . . . .	45.6	47.3	47.0	49.1	51.4	51.3	49.7	49.4
Sales outlet:								
Record store . . . . .	69.8	53.3	52.0	49.9	51.8	50.8	44.5	42.4
Other store . . . . .	18.5	26.7	28.2	31.5	31.9	34.4	38.3	40.8
Music club . . . . .	8.9	15.1	14.3	14.3	11.6	9.0	7.9	7.6
Internet <sup>2</sup> . . . . .	(NA)	(NA)	(NA)	(NA)	0.3	1.1	2.4	3.2
Ad or 800 number . . . . .	2.5	3.4	4.0	2.9	2.7	2.9	2.5	2.4
Music type: <sup>3</sup>								
Rock . . . . .	36.1	35.1	33.5	32.6	32.5	25.7	25.2	24.8
Rap/Hip Hop . . . . .	8.5	7.9	6.7	8.9	10.1	9.7	10.8	12.9
Pop . . . . .	13.7	10.3	10.1	9.3	9.4	10.0	10.3	11.0
Country . . . . .	9.6	16.3	16.7	14.7	14.4	14.1	10.8	10.7
R&B/Urban . . . . .	11.6	9.6	11.3	12.1	11.2	12.8	10.5	9.7
Religious . . . . .	2.5	3.3	3.1	4.3	4.5	6.3	5.1	4.8
Jazz . . . . .	4.8	3.0	3.0	3.3	2.8	1.9	3.0	2.9
Classical . . . . .	3.1	3.7	2.9	3.4	2.8	3.3	3.5	2.7
Soundtracks . . . . .	0.8	1.0	0.9	0.8	1.2	1.7	0.8	0.7
Oldies . . . . .	0.8	0.8	1.0	0.8	0.8	0.7	0.7	0.9
New age . . . . .	1.1	1.0	0.7	0.7	0.8	0.6	0.5	0.5
Children . . . . .	0.5	0.4	0.5	0.7	0.9	0.4	0.4	0.6
Other . . . . .	5.6	5.3	7.0	5.2	5.7	7.9	9.1	8.3
Media type:								
CDs . . . . .	31.1	58.4	65.0	68.4	70.2	74.8	83.2	89.3
Cassettes . . . . .	54.7	32.1	25.1	19.3	18.2	14.8	8.0	4.9
Singles (all types) . . . . .	8.7	7.4	7.5	9.3	9.3	6.8	5.4	2.5
Music video . . . . .	(NA)	0.8	0.9	1.0	0.8	1.0	0.9	0.8
Vinyl LPs . . . . .	4.7	0.8	0.5	0.6	0.7	0.7	0.5	0.5

NA Not available. <sup>1</sup> Percent distributions exclude nonresponses and responses of don't know. <sup>2</sup> Excludes record club purchases over the Internet. <sup>3</sup> As classified by respondent.

Source: Recording Industry Association of America, Inc., Washington, DC, 2000 Consumer Profile.

## No. 1143. Radio and Television Broadcasting—Estimated Revenue and Expenses: 1998 and 1999

[In millions of dollars (43,791 represents \$43,791,000,000), except percent. For taxable and tax-exempt employer firms. Covers NAICS 5131. Estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease]

Item	Total (NAICS 5131)			Radio broadcasting (NAICS 51311)			TV broadcasting (NAICS 51312)		
	1998	1999	Percent change 1998-99	1998	1999	Percent change 1998-99	1998	1999	Percent change 1998-99
<b>Operating revenue</b> . . . . .	<b>43,791</b>	<b>47,292</b>	<b>8.0</b>	<b>11,587</b>	<b>13,030</b>	<b>12.4</b>	<b>32,203</b>	<b>34,262</b>	<b>6.4</b>
Station time sales . . . . .	27,419	29,771	8.6	10,029	11,258	12.3	17,389	18,513	6.5
Network compensation . . . . .	631	657	4.1	82	97	17.4	549	561	2.1
National/regional advertising . . . . .	9,769	10,482	7.3	2,483	2,863	15.3	7,286	7,618	4.6
Local advertising revenue . . . . .	17,018	18,632	9.5	7,464	8,298	11.2	9,554	10,334	8.2
Network time sales . . . . .	12,603	13,514	7.2	872	996	14.2	11,732	12,518	6.7
Other operating revenue . . . . .	3,769	4,007	6.3	686	776	13.0	3,082	3,231	4.8
<b>Expenses</b> . . . . .	<b>33,760</b>	<b>37,451</b>	<b>10.9</b>	<b>8,939</b>	<b>10,208</b>	<b>14.2</b>	<b>24,821</b>	<b>27,243</b>	<b>9.8</b>
Annual payroll . . . . .	9,625	10,814	12.4	3,583	4,165	16.2	6,042	6,649	10.0
Employer contributions to social security and other supplemental benefits . . . . .	1,450	1,427	-1.6	450	503	11.7	1,000	924	-7.6
Broadcast rights and music license fees . . . . .	10,249	11,337	10.6	563	526	-6.7	9,686	10,811	11.6
Depreciation . . . . .	2,765	3,411	23.4	1,227	1,579	28.8	1,539	1,832	19.1
Lease and rental . . . . .	623	616	-1.2	255	268	4.9	368	349	-5.4
Purchased repairs . . . . .	282	266	-5.7	82	86	5.0	200	180	-10.2
Purchased communications and utilities . . . . .	589	601	1.9	228	258	12.9	361	343	-5.0
Purchased advertising . . . . .	1,290	1,458	13.1	361	393	8.9	929	1,066	14.7
Other operating expenses (including network compensation fees) . . . . .	6,886	7,521	9.2	2,190	2,431	11.0	4,696	5,090	8.4

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

## No. 1144. Cable and Pay TV—Summary: 1975 to 2000

[9,800 represents 9,800,000. Cable TV for calendar year. Pay TV as of Dec. 31 of year shown]

Year	Cable TV				Pay TV					
	Avg. basic subscribers (1,000)	Avg. monthly basic rate (dol.)	Revenue <sup>1</sup> (mil. dol.)		Total <sup>3</sup>	Units <sup>2</sup> (1,000)	Non-cable delivered premium	Monthly rate (dol.)		
			Total	Basic				All pay weighted average <sup>4</sup>	Pay cable	Noncable delivered premium
1975 . . . . .	9,800	6.50	804	764	194	194	(NA)	(NA)	7.85	(NA)
1976 . . . . .	11,000	6.45	932	851	611	568	(NA)	7.96	7.87	(NA)
1977 . . . . .	12,200	6.86	1,207	1,004	1,138	1,047	(NA)	8.03	7.92	(NA)
1978 . . . . .	13,400	7.13	1,513	1,147	2,473	2,182	(NA)	8.16	8.01	(NA)
1979 . . . . .	15,000	7.40	1,942	1,332	5,157	4,480	(NA)	8.54	8.24	(NA)
1980 . . . . .	17,500	7.69	2,609	1,615	8,581	7,336	(NA)	8.91	8.62	(NA)
1981 . . . . .	21,100	7.99	3,675	2,023	14,310	12,239	(NA)	9.16	8.92	(NA)
1982 . . . . .	25,250	8.30	5,032	2,515	19,395	17,007	(NA)	9.49	9.30	(NA)
1983 . . . . .	29,430	8.61	6,485	3,041	24,515	22,818	(NA)	9.82	9.70	(NA)
1984 . . . . .	32,800	8.98	7,738	3,534	28,815	27,754	(NA)	10.03	9.96	(NA)
1985 . . . . .	35,440	9.73	8,831	4,138	29,885	29,418	(NA)	10.29	10.25	(NA)
1986 . . . . .	38,170	10.67	9,955	4,887	31,033	30,668	(NA)	10.35	10.31	(NA)
1987 . . . . .	41,160	12.18	11,563	6,016	33,528	33,232	(NA)	10.25	10.23	(NA)
1988 . . . . .	44,160	13.86	13,409	7,345	37,085	36,777	(NA)	10.24	10.17	(NA)
1989 . . . . .	47,500	15.21	15,378	8,670	39,055	38,916	(NA)	10.25	10.20	(NA)
1990 . . . . .	50,520	16.78	17,582	10,174	39,902	39,751	(NA)	10.35	10.30	(NA)
1991 . . . . .	52,570	18.10	19,426	11,418	39,983	36,569	(NA)	10.35	10.27	(NA)
1992 . . . . .	54,300	19.08	21,079	12,433	40,893	36,879	(NA)	10.29	10.17	(NA)
1993 . . . . .	56,200	19.39	22,809	13,528	42,010	37,113	(NA)	9.27	9.11	(NA)
1994 . . . . .	58,450	21.62	23,160	15,164	46,328	41,728	4,600	8.23	8.37	6.99
1995 . . . . .	60,900	23.07	25,556	16,860	53,973	45,598	8,375	8.28	8.54	6.99
1996 . . . . .	62,800	24.41	27,951	18,395	60,372	48,157	12,215	8.04	8.35	6.99
1997 . . . . .	64,410	26.48	30,744	20,383	66,068	49,900	16,160	7.92	8.29	6.99
1998 . . . . .	65,420	27.81	33,003	21,830	72,401	52,703	19,698	7.80	8.20	6.99
1999 . . . . .	66,660	28.92	36,333	23,134	78,097	54,775	23,322	7.66	8.04	6.99
2000, est. . . . .	67,700	30.08	39,641	24,445	95,570	59,070	36,500	7.57	7.96	6.99

NA Not available. <sup>1</sup> Includes installation revenue, subscriber revenue, and nonsubscriber revenue; excludes telephony and high-speed access. <sup>2</sup> Individual program services sold to subscribers. <sup>3</sup> Includes multipoint distribution service (MDS), satellite TV (STV), multipoint multichannel distribution service (MMDS), satellite master antenna TV (SMATV, C-band satellite, and DBS satellite). <sup>4</sup> Weighted average representing 8 months of unregulated basic rate and 4 months of FCC rolled-back rate.

Source: Paul Kagan Associates Inc., Carmel, CA, a division of MediaCentral, LLC, *The Cable Databook*, annual, 2000 (copyright); and *The Pay TV Newsletter*, May 31, 2000, and various other issues.

## No. 1145. Cable Networks and Program Distribution Services—Estimated Revenue and Expenses: 1998 and 1999

[In millions of dollars (\$2,160 represents \$52,160,000,000), except percent. For taxable and tax-exempt employer firms. Covers NAICS 5132. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise]

Item	1998		1999		Percent change, 1998-99
<b>Operating revenue</b> . . . . .	<b>52,160</b>		<b>59,774</b>		<b>14.6</b>
Advertising revenue (net) . . . . .	8,034		9,767		21.6
Program revenue . . . . .	9,454		10,301		9.0
Basic service tier . . . . .	23,541		26,890		14.2
Pay-per-view service . . . . .	1,607		1,903		18.5
Other premium service . . . . .	4,312		4,421		2.5
Installation, startup, and reconnect fees . . . . .	740		765		3.3
Other cable and pay TV revenue . . . . .	2,021		2,428		20.1
Internet access fees . . . . .	138		274		98.8
Local telephone service . . . . .	144		220		52.6
Long-distance telephone service . . . . .	(S)		(S)		(S)
Other communication service revenue . . . . .	228		522		129.0
Other operating revenue . . . . .	1,915		2,237		16.8
<b>Operating expenses</b> . . . . .	<b>45,231</b>		<b>52,952</b>		<b>17.0</b>
Annual payroll . . . . .	7,138		8,388		17.5
Employer contributions to social security and other supplemental benefits . . . . .	1,443		1,666		15.5
Program and production costs . . . . .	14,601		16,525		13.2
Depreciation . . . . .	9,425		11,498		22.0
Lease and rental . . . . .	760		878		15.5
Purchased repairs . . . . .	662		721		8.9
Purchased communications and utilities . . . . .	736		840		14.2
Purchased advertising . . . . .	1,590		1,836		15.5
Other operating expenses . . . . .	8,876		10,600		19.4

S Data do not meet publication standards.

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

## No. 1146. Telecommunications—Estimated Revenue and Expenses: 1998 and 1999

[In millions of dollars (\$284,916 represents \$284,916,000,000), except percent. For taxable and tax-exempt employer firms. Except for NAICS 51332, wireless telecommunications carriers (except satellite), estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease. See Table 1147 for wireless telecommunications carriers, NAICS 51332]

Item	Telecommunications (NAICS 5133)			Wired telecommunications carriers (NAICS 51331)		
	1998	1999	Percent change, 1998-99	1998	1999	Percent change, 1998-99
<b>Operating revenue</b> . . . . .	<b>284,916</b>	<b>318,097</b>	<b>11.6</b>	<b>227,868</b>	<b>247,532</b>	<b>8.6</b>
Wired telecommunications services . . . . .	210,866	228,321	8.3	205,223	221,439	7.9
Local service . . . . .	68,192	76,414	12.1	66,981	74,807	11.7
Basic local service . . . . .	54,048	60,463	11.9	52,861	58,892	11.4
Value-added services . . . . .	14,144	15,952	12.8	14,120	15,915	12.7
Long-distance service . . . . .	96,897	102,251	5.5	92,984	97,670	5.0
Network access . . . . .	45,778	49,656	8.5	45,257	48,962	8.2
Cellular telephone, PCS, and SMR . . . . .	34,919	45,061	29.0	400	511	27.8
Basic monthly charges . . . . .	15,790	19,633	24.3	85	120	40.8
Airtime . . . . .	11,781	14,966	27.0	82	101	24.2
Long-distance service . . . . .	1,770	2,156	21.8	(Z)	(Z)	-50.0
Roaming . . . . .	3,281	5,293	61.3	5	6	24.2
Other . . . . .	2,296	3,014	31.3	(S)	(S)	(S)
Directory advertising . . . . .	1,676	1,788	6.6	1,672	1,783	6.6
Other communications services . . . . .	12,137	13,736	13.2	913	1,586	73.7
Other operating revenue . . . . .	25,318	29,191	15.3	19,660	22,213	13.0
<b>Operating expenses</b> . . . . .	<b>240,055</b>	<b>266,420</b>	<b>11.0</b>	<b>184,779</b>	<b>200,461</b>	<b>8.5</b>
Annual payroll . . . . .	48,612	54,447	12.0	38,941	43,193	10.9
Employer contributions to social security and other supplemental benefits . . . . .	11,047	12,415	12.4	9,098	10,106	11.1
Access charges . . . . .	33,665	37,581	11.6	29,412	31,657	7.6
Depreciation . . . . .	44,291	49,929	12.7	33,462	38,120	13.9
Lease and rental . . . . .	5,677	6,349	11.8	3,014	3,368	11.8
Purchased repairs . . . . .	3,033	3,117	2.8	2,186	2,366	8.2
Purchased communications and utilities . . . . .	15,946	14,330	-10.1	14,449	12,437	-13.9
Purchased advertising . . . . .	7,327	7,122	-2.8	4,635	4,532	-2.2
Universal service, contributions, and other similar charges . . . . .	5,297	5,527	4.3	4,900	5,017	2.4
Other operating expenses . . . . .	65,158	75,602	16.0	44,683	49,665	11.1

S Data do not meet publication standards. Z Less than \$500,000.

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



## No. 1147. Wireless Telecommunications Carriers (Except Satellite)—Estimated Revenue and Expenses: 1998 and 1999

[In millions of dollars (42,363 represents \$42,363,000,000), except percent. For taxable and tax-exempt employer firms. For NAICS 51332. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease. See Table 1146 for telecommunications total and wired carriers (NAICS 5133 and 51331)]

Item			Percent change, 1998-99
	1998	1999	
<b>Operating revenue</b> . . . . .	<b>42,363</b>	<b>53,485</b>	<b>26.3</b>
Cellular telephone, PCS, and SMR . . . . .	32,844	42,654	29.9
Basic monthly charges . . . . .	15,490	19,269	24.4
Airtime . . . . .	11,557	14,723	27.4
Long-distance service . . . . .	1,528	1,919	25.6
Roaming . . . . .	3,162	5,115	61.8
Other . . . . .	1,107	1,629	47.1
Other communications services <sup>1</sup> . . . . .	6,423	6,920	7.7
Other operating revenue . . . . .	3,096	3,911	26.3
<b>Operating expenses</b> . . . . .	<b>39,720</b>	<b>50,381</b>	<b>26.8</b>
Annual payroll . . . . .	6,722	8,259	22.9
Employer contributions to social security and other supplemental benefits . . . . .	1,490	1,787	20.0
Access charges . . . . .	2,233	3,371	51.0
Depreciation . . . . .	8,743	10,376	18.7
Lease and rental . . . . .	1,923	2,328	21.0
Purchased repairs . . . . .	719	660	-8.3
Purchased communications and utilities . . . . .	1,051	1,311	24.7
Purchased advertising . . . . .	2,467	2,343	-5.0
Universal service, contributions, and other similar charges . . . . .	325	441	36.0
Other operating expenses . . . . .	14,047	19,505	38.9

<sup>1</sup> Includes wired telecommunications services revenue.

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

## No. 1148. Telecommunications Industry—Carriers and Revenue: 1995 to 1999

[Revenue in millions of dollars (190,076 represents \$190,076,000,000). Data based on carrier filings to the FCC. Because of reporting changes, data beginning 1997 are not strictly comparable with previous years; see source for details]

Category	Carriers					Telecommunications revenue				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
<b>Total</b> <sup>1</sup> . . . . .	<b>3,058</b>	<b>3,832</b>	<b>3,604</b>	<b>4,144</b>	<b>4,822</b>	<b>190,076</b>	<b>211,782</b>	<b>231,168</b>	<b>246,392</b>	<b>268,505</b>
Local service providers . . . . .	1,675	2,028	2,066	2,239	2,589	103,792	109,273	108,568	113,369	119,938
Incumbent local exchange carriers (ILECs) <sup>2</sup> . . . . .	1,347	1,376	1,410	1,348	1,335	102,820	107,905	105,154	108,234	112,216
Pay telephone providers . . . . .	271	533	509	615	758	349	357	933	1,101	1,213
Competitors of ILECs . . . . .	57	119	147	276	496	623	1,011	2,481	4,034	6,508
CAPs and CLECs <sup>3</sup> . . . . .	57	94	129	212	349	623	1,011	1,919	3,348	5,652
Local resellers . . . . .	( <sup>4</sup> )	8	11	54	87	( <sup>4</sup> )	( <sup>4</sup> )	206	410	511
Other local exchange carriers . . . . .	( <sup>4</sup> )	13	3	10	60	( <sup>4</sup> )	( <sup>4</sup> )	157	36	171
Private carriers . . . . .	( <sup>4</sup> )	( <sup>4</sup> )	2	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	112	147	87
Shared tenant service providers . . . . .	( <sup>4</sup> )	4	2	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	87	93	87
Wireless service providers <sup>5</sup> . . . . .	930	1,217	969	1,235	1,495	18,627	25,900	33,030	37,032	50,152
Telephony <sup>6</sup> . . . . .	792	853	732	808	806	17,208	23,778	29,944	33,139	46,513
Paging service providers . . . . .	138	200	137	303	427	( <sup>4</sup> )	( <sup>4</sup> )	2,861	3,161	3,232
Toll service providers . . . . .	453	587	569	647	738	76,447	86,896	89,570	95,992	98,414
Interexchange carriers . . . . .	130	149	151	171	204	70,938	79,057	79,080	83,443	87,570
Operator service providers . . . . .	25	27	32	24	21	500	461	603	590	337
Prepaid service providers . . . . .	8	16	18	20	21	16	238	519	888	866
Satellite service carriers . . . . .	( <sup>4</sup> )	22	13	13	21	( <sup>4</sup> )	( <sup>4</sup> )	1,011	475	280
Toll resellers . . . . .	260	345	340	388	454	4,220	6,564	8,010	9,885	9,211
Other toll carriers . . . . .	30	28	15	31	17	773	577	348	710	150

<sup>1</sup> Revenue data include adjustments, not shown separately. Through 1996, revenue data include some nontelecommunications revenue, formerly reported as local exchange wireless revenue. <sup>2</sup> Fewer ILECs filed in 1998 than in 1997 because of consolidation of study areas. <sup>3</sup> Competitive access providers and competitive local exchange carriers. <sup>4</sup> Data not available separately. <sup>5</sup> Includes specialized mobile radio services and other services, not shown separately. <sup>6</sup> Cellular service, personal communications service, and specialized mobile radio.

Source: U.S. Federal Communications Commission, *Trends in Telephone Service*, December 2000.

## No. 1149. Telephone Systems—Summary: 1985 to 1999

[112 represents 112,000,000. Covers principal carriers filing annual reports with Federal Communications Commission]

Item	Unit	1985	1990	1993	1994	1995	1996	1997	1998	1999
<b>LOCAL EXCHANGE CARRIERS <sup>1</sup></b>										
Carriers <sup>2</sup>	Number	55	51	53	52	53	51	51	52	52
Access lines	Millions	112	130	149	157	166	178	194	205	228
Business access lines	Millions	31	36	41	42	46	49	53	57	58
Residential access lines	Millions	79	89	96	98	101	104	108	110	115
Other access lines (public, mobile, special)	Millions	2	6	13	17	19	25	33	38	55
Number of local calls (originating)	Billions	365	402	447	465	484	504	522	544	554
Number of toll calls (originating)	Billions	(NA)	63	78	83	94	95	101	97	102
Gross book cost of plant	Bil. dol.	191	240	264	272	284	296	309	325	342
Depreciation and amortization reserves	Bil. dol.	49	89	107	116	127	138	149	163	176
Net plant	Bil. dol.	142	151	156	157	157	158	160	161	166
Total assets	Bil. dol.	162	180	192	196	197	198	198	200	204
Total stockholders equity	Bil. dol.	63	74	73	72	72	74	72	70	67
Operating revenues	Bil. dol.	73	84	90	93	96	101	103	108	113
Local revenues	Bil. dol.	32	37	42	43	46	50	52	55	58
Operating expenses <sup>3</sup>	Bil. dol.	48	62	66	70	72	74	75	78	79
Net operating income <sup>4</sup>	Bil. dol.	13	14	14	13	14	16	16	18	20
Net income	Bil. dol.	9	11	5	9	11	13	12	12	13
Employees	(1,000)	(NA)	569	507	474	447	437	435	436	436
Compensation of employees	Bil. dol.	(NA)	23	23	22	21	23	22	23	24
Average monthly residential local telephone rate <sup>5</sup>	Dollars	(NA)	19.24	19.95	19.81	20.01	19.95	19.88	19.76	19.87
Average monthly single-line business telephone rate <sup>5</sup>	Dollars	(NA)	41.21	42.57	41.64	41.80	41.81	41.67	41.29	41.00
<b>LONG DISTANCE CARRIERS</b>										
Number of carriers with presubscribed lines	Number	(NA)	325	436	511	583	621	(NA)	(NA)	(NA)
Number of presubscribed lines	Millions	(NA)	132	143	148	153	159	(NA)	(NA)	(NA)
Total toll service revenues	Bil. dol.	43	52	62	67	74	82	89	94	99
Interstate switched access minutes	Bil. min.	167	307	371	401	432	468	497	519	574
<b>INTERNATIONAL TELEPHONE SERVICE <sup>6</sup></b>										
Number of U.S. billed calls	Millions	411	984	1,926	2,313	2,821	3,485	4,233	4,439	5,215
Number of U.S. billed minutes	Millions	3,350	7,215	11,393	13,393	15,837	19,119	22,611	24,026	27,966
U.S. billed revenues	Mill. dol.	3,435	7,626	11,353	12,255	13,990	14,079	15,135	14,154	14,398
U.S. carrier revenue net of settlements with foreign carriers	Mill. dol.	2,305	4,863	7,704	7,966	9,054	8,434	9,691	9,681	9,836
Revenue from private-line service	Mill. dol.	172	201	365	432	432	649	840	902	1,181
Revenue from resale service	Mill. dol.	(NA)	167	593	1,120	1,687	3,457	4,088	4,876	4,254

NA Not available. <sup>1</sup> Gross operating revenues, gross plant, and total assets of reporting carriers estimated at more than 90 percent of total industry. New accounting rules became effective in 1990; prior years may not be directly comparable on a one-to-one basis. Includes Virgin Islands, and prior to 1993, Puerto Rico. <sup>2</sup> The reporting threshold for carriers is \$100 million in annual operating revenue. <sup>3</sup> Excludes taxes. <sup>4</sup> After tax deductions. <sup>5</sup> Based on surveys conducted by FCC. <sup>6</sup> Beginning 1993, includes calls to and from Alaska, Hawaii, Puerto Rico, Canada, and Mexico.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual.

## No. 1150. Cellular Telephone Industry: 1990 to 2000

[Calendar year data, except as noted (5,283 represents 5,283,000). Based on a survey mailed to all cellular, personal communications services, and enhanced special mobile radio (ESMR) systems. For 2000 data, the universe was 2,440 systems and the response rate was 86 percent. The number of operational systems in 2000 differs from that reported for previous periods as a result of the consolidated operation of ESMR systems in a broader service area instead of by a city-to-city basis]

Item	Unit	1990	1994	1995	1996	1997	1998	1999	2000
Systems	Number	751	1,581	1,627	1,740	2,228	3,073	3,518	2,440
Subscribers	1,000	5,283	24,134	33,786	44,043	55,312	69,209	86,047	109,478
Cell sites <sup>1</sup>	Number	5,616	17,920	22,663	30,045	51,600	65,887	81,698	104,288
Employees	Number	21,382	53,902	68,165	84,161	109,387	134,754	155,817	184,449
Service revenue	Mill. dol.	4,548	14,229	19,081	23,635	27,486	33,133	40,018	52,466
Roamer revenue <sup>2</sup>	Mill. dol.	456	1,830	2,542	2,781	2,974	3,501	4,085	3,883
Capital investment	Mill. dol.	6,282	18,939	24,080	32,574	46,058	60,543	71,265	89,624
Average monthly bill <sup>3</sup>	Dollars	80.90	56.21	51.00	47.70	42.78	39.43	41.24	45.27
Average length of call <sup>3</sup>	Minutes	2.20	2.24	2.15	2.32	2.31	2.39	2.38	2.56

<sup>1</sup> The basic geographic unit of a wireless PCS or cellular system. A city or county is divided into smaller "cells," each of which is equipped with a low-powered radio transmitter/receiver. The cells can vary in size depending upon terrain, capacity demands, etc. By controlling the transmission power, the radio frequencies assigned to one cell can be limited to the boundaries of that cell. When a wireless PCS or cellular phone moves from one cell toward another, a computer at the switching office monitors the movement and at the proper time, transfers or hands off the phone call to the new cell and another radio frequency. <sup>2</sup> Service revenue generated by subscribers' calls outside of their system areas. <sup>3</sup> As of December 31.

Source: Cellular Telecommunications & Internet Association, Washington, DC, *Semiannual Wireless Survey* (copyright).

## No. 1151. Information Services and Data Processing Services—Estimated Revenue: 1998 and 1999

[In millions of dollars (46,994 represents \$46,994,000,000), except percent. For taxable and tax-exempt employer firms. Covers NAICS 514. Except as indicated, estimates adjusted to results of the 1997 Economic Census. Based on the North American Industry Classification System; see text, this section, and Section 15, Business Enterprise. Minus sign (-) indicates decrease]

Item	1998		1999		Percent change, 1998-99
<b>Total (NAICS 514)</b> . . . . .	<b>46,994</b>	<b>60,130</b>		<b>28.0</b>	
News syndicates (NAICS 51411):					
Revenue . . . . .	1,586	1,823			14.9
Libraries and archives (NAICS 51412):					
Revenue . . . . .	954	1,018			6.7
Subsidies, contributions, gifts, and grants . . . . .	631	698			10.6
Other revenue . . . . .	323	320			-1.0
Online information services (NAICS 51419):					
Revenue . . . . .	10,882	18,025			65.6
Internet access fees . . . . .	5,499	8,979			63.3
Advertising . . . . .	725	1,355			87.0
Web hosting and design . . . . .	261	520			99.4
Online sales commissions . . . . .	(S)	(S)			(S)
Other revenue . . . . .	4,322	7,038			62.8
All other information services <sup>1</sup> (NAICS 514199):					
Revenue . . . . .	985	2,120			115.3
Internet access fees . . . . .	10	39			294.9
Advertising . . . . .	658	1,477			124.6
Web hosting and design . . . . .	3	12			355.6
Online sales commissions . . . . .	1	6			714.3
Other revenue . . . . .	314	586			87.0
Data processing services (NAICS 5142):					
Revenue . . . . .	32,588	37,143			14.0
Transaction processing and data exchange . . . . .	19,511	22,151			13.5
Data capture and imaging . . . . .	1,161	1,308			12.7
Computer timesharing services . . . . .	748	764			2.1
Web hosting and design . . . . .	(S)	(S)			(S)
Other data processing services . . . . .	5,160	5,997			16.2
All other revenue . . . . .	6,008	6,645			10.6

S Data do not meet publication standards. <sup>1</sup> Estimates not adjusted to the results of the 1997 Economic Census.

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

## No. 1152. Academic Libraries—Summary: 1998

[For fiscal year. For 2- and 4-year degree granting institutions. Based on survey; see source for details]

Item	Circulation (1,000)				Staff <sup>2</sup>		Expenditures		Percent with access from within library to—	
	Number of libraries	General	Reserve	Paper volumes held (1,000) <sup>1</sup>	Total	Librarians (percent)	Total (mil. dol.)	Salary <sup>3</sup> (percent)	Electronic catalog	Internet
<b>Total</b> . . . . .	<b>3,658</b>	<b>175,409</b>	<b>40,658</b>	<b>878,906</b>	<b>96,709</b>	<b>25.7</b>	<b>4,593</b>	<b>50.4</b>	<b>84.2</b>	<b>94.6</b>
Control:										
Public . . . . .	1,583	116,158	25,267	521,817	58,314	25.0	2,780	52.4	95.7	97.5
Private . . . . .	2,075	59,251	15,391	357,090	38,395	26.6	1,813	47.4	75.0	92.3
Level: <sup>4</sup>										
4-year degree and above <sup>5</sup> . . . . .	2,220	150,575	34,453	821,965	82,533	25.4	4,072	48.5	86.7	95.4
Doctor's . . . . .	570	105,614	22,469	569,295	54,478	24.5	2,924	47.1	94.8	97.3
Master's . . . . .	944	33,869	8,747	186,922	20,547	27.2	868	52.4	87.9	95.7
Bachelor's . . . . .	703	11,083	3,236	65,645	7,499	27.0	280	51.0	78.3	93.5
Less than 4-year . . . . .	1,438	24,834	6,205	56,941	14,176	27.4	520	65.4	80.1	93.3
Enrollment: <sup>2</sup>										
Less than 1,500 . . . . .	2,041	24,946	6,173	117,188	14,949	29.3	567	52.0	73.0	91.4
1,500 to 4,999 . . . . .	1,053	33,992	9,259	172,047	22,221	27.2	947	52.8	96.4	98.7
5,000 of more . . . . .	564	116,472	25,226	589,671	59,539	24.2	3,078	49.3	99.1	98.0

<sup>1</sup> At end-of-year. <sup>2</sup> Full-time equivalent. <sup>3</sup> Salary and wages. <sup>4</sup> Level of highest degree offered. <sup>5</sup> Includes three institutions granting "other" degrees, not shown separately.

Source: U.S. National Center for Education Statistics, *Academic Libraries, 1998*, NCES 2001-341, July 2001.

## No. 1153. Libraries—Number by Type: 1980 to 1999

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

## No. 1154. Public Libraries by Selected Characteristics: 1998

[6,738 represents \$6,738,000,000. Based on survey of public libraries. Data are for public libraries in the 50 states and the District of Columbia. The response rates for these items are between 97 and 100 percent]

Population of service area	Number of—		Operating income—			Paid staff <sup>3</sup>		
	Public libraries	Stationary outlets	Total <sup>2</sup> (mil. dol.)	Source (percent)		Total	Librarians with ALA-MLS <sup>4</sup>	Libraries with Internet access
				State government	Local government			
<b>Total</b> . . . . .	<b>8,964</b>	<b>16,180</b>	<b>6,738</b>	<b>12.6</b>	<b>77.6</b>	<b>123,443</b>	<b>28,178</b>	<b>7,866</b>
1,000,000 or more . . . . .	20	875	883	10.4	79.0	14,404	4,258	20
500,000 to 999,000 . . . . .	54	1,167	1,146	16.0	74.0	18,433	4,601	54
250,000 to 499,999 . . . . .	94	1,062	765	12.9	79.8	13,194	3,290	93
100,000 to 249,999 . . . . .	323	1,992	1,116	11.3	80.9	20,422	4,642	320
50,000 to 99,999 . . . . .	513	1,601	843	14.1	76.8	15,961	3,566	505
25,000 to 49,999 . . . . .	860	1,637	806	13.7	77.1	15,493	3,576	845
10,000 to 24,999 . . . . .	1,716	2,228	743	11.3	77.7	14,854	3,063	1,653
5,000 to 9,999 . . . . .	1,475	1,647	254	9.3	75.2	5,769	844	1,383
2,500 to 4,999 . . . . .	1,326	1,369	103	6.9	74.8	2,618	224	1,155
1,000 to 2,499 . . . . .	1,638	1,656	62	6.1	67.1	1,756	94	1,313
Fewer than 1,000 . . . . .	945	946	16	9.9	64.3	538	19	525

<sup>1</sup> The sum of central and branches libraries. The total number of central libraries was 8,887; the total of branch libraries was 7,293. <sup>2</sup> Includes income from the federal government (0.8%) and other sources (9.0%), not shown separately. <sup>3</sup> Full-time equivalents. <sup>4</sup> Librarians with master's degrees from a graduate library education program accredited by the American Library Association (ALA). Total librarians, including those without ALA-MLS, were 40,689.

Source: U.S. National Center for Education Statistics, *Public Libraries in the United States: 1998*, NCES 2001-307, July 2001.

## No. 1155. Public Library Use of the Internet: 2000

[In percent, except number of outlets. As of spring. Based on sample survey; see source for details]

Item	Metropolitan status <sup>1</sup>				Poverty status <sup>2</sup>		
	Total	Urban	Sub-urban	Rural	Less than 20 percent	20 to 40 percent	More than 40 percent
<b>All libraries outlets</b> <sup>3</sup> . . . . .	<b>16,004</b>	<b>2,742</b>	<b>4,764</b>	<b>8,498</b>	<b>12,847</b>	<b>2,832</b>	<b>325</b>
Connected to the Internet . . . . .	95.7	98.3	98.5	93.3	95.6	96.3	92.8
Connected with public access . . . . .	94.5	97.7	97.3	91.9	94.3	95.8	93.5
Average number of workstations . . . . .	8.3	17.3	8.7	4.9	7.3	12.3	7.2
Speed of access:							
Less than 56kpbs . . . . .	5.8	1.0	2.5	9.4	6.7	2.6	-
56kpbs dial-up . . . . .	15.5	1.0	7.4	25.3	17.7	5.7	16.2
56kpbs direct connect . . . . .	25.0	10.0	25.6	29.8	24.4	27.6	26.3
Greater than 56kpbs . . . . .	53.6	88.2	64.6	35.4	51.3	64.1	57.4
Special software/hardware for persons with disabilities on—							
All workstations . . . . .	8.5	8.7	7.0	9.3	5.8	20.4	7.5
Some workstations . . . . .	20.3	26.6	23.9	6.1	18.5	29.6	10.5
No workstations . . . . .	71.2	64.7	69.1	74.6	75.7	49.9	82.0
On public access workstations—							
No Internet filtering/blocking . . . . .	75.5	70.8	69.8	80.4	75.9	73.3	77.9
Internet filtering/blocking on some stations . . . . .	15.0	18.5	21.8	9.7	14.6	16.7	14.5
With acceptable use policies . . . . .	95.5	96.8	97.1	94.0	94.7	99.4	91.7
With acceptable use policies which differentiate between users (e.g.adults and children) . . . . .	43.6	31.4	41.1	49.2	43.2	43.9	53.8

- Represents zero. <sup>1</sup> Urban = inside central city; Suburban = in metro area, outside of a central city; Rural = outside a metro area. <sup>2</sup> Determined by the 1990 poverty status of the service area of the outlet. <sup>3</sup> Central libraries and branches; excludes bookmobiles.

Source: National Commission on Libraries and Information Science, Washington, DC, *Public Libraries and the Internet 2000: Summary Findings and Data Tables*, September 2000, by John Carlo Bartot and Charles R. McClure, Florida State University, Tallahassee, FL.

## No. 1156. Use of Home Computers: 1997

[In percent, except persons using computers (81,013 represents 81,013,000). As of October. Based on the Current Population Survey and subject to sampling error; see text, Section 1, Population, and Appendix III]

Characteristic	Persons using computers (1,000)	Per- cent of total	Frequency of use per week				Computer capabilities <sup>1</sup>			
			6 or 7 days	4 or 5 days	2 or 3 days	1 day or less	CD-ROM drive	Printer	Modem	Internet
<b>Total <sup>2</sup></b> . . . . .	<b>81,013</b>	<b>30.3</b>	<b>23.4</b>	<b>20.1</b>	<b>32.6</b>	<b>24.0</b>	<b>71.3</b>	<b>85.5</b>	<b>71.1</b>	<b>52.1</b>
Sex: Male . . . . .	41,260	31.6	27.1	20.1	30.6	22.2	72.1	85.5	71.7	52.9
Female . . . . .	39,753	29.1	19.6	20.0	34.6	25.8	70.6	85.6	70.5	51.2
Age: Under 5 years old . . . . .	1,675	8.5	12.2	16.3	38.1	33.5	71.9	83.3	74.5	53.8
5 to 9 years old . . . . .	7,599	37.1	11.8	17.6	44.2	26.4	74.7	83.8	71.5	50.5
10 to 14 years old . . . . .	9,500	48.7	21.1	21.8	38.0	19.1	75.5	87.9	70.6	50.3
15 to 19 years old . . . . .	8,395	43.1	24.7	22.4	32.4	20.5	73.7	88.0	69.9	52.3
20 to 24 years old . . . . .	4,975	28.5	28.3	20.2	28.9	22.6	69.5	83.4	69.8	53.0
25 to 29 years old . . . . .	5,963	31.7	26.1	22.3	30.0	21.7	70.1	80.4	75.8	58.4
30 to 39 years old . . . . .	15,393	35.8	24.2	20.6	32.0	23.2	71.9	84.5	72.8	53.5
40 to 49 years old . . . . .	15,346	38.3	24.3	18.8	30.3	26.6	73.9	87.4	73.0	54.4
50 to 59 years old . . . . .	7,679	28.5	26.6	19.8	28.0	25.7	66.5	86.2	67.6	50.7
60 to 69 years old . . . . .	3,162	16.2	29.7	17.5	24.1	28.6	61.0	86.8	63.5	42.3
70 years old and over . . . . .	1,327	5.9	29.4	17.8	25.4	27.5	59.0	86.1	60.4	38.6
Race/ethnicity:										
White, non-Hispanic . . . . .	68,026	35.5	23.5	20.2	32.1	24.3	72.4	87.1	72.8	53.7
Black, non-Hispanic . . . . .	4,943	14.7	20.8	20.5	37.6	21.2	58.2	75.2	57.7	40.3
Hispanic . . . . .	4,081	13.5	23.3	17.3	36.4	23.1	69.1	78.2	60.8	44.4
Family income: Less than \$5,000 . . . . .	1,517	13.3	31.1	16.7	26.8	25.3	63.2	81.9	66.2	44.6
\$5,000 to \$9,999 . . . . .	1,575	8.1	24.8	19.6	29.4	26.1	59.6	81.0	56.7	40.5
\$10,000 to \$14,999 . . . . .	2,197	9.7	26.2	17.7	31.4	24.8	55.9	74.5	54.7	38.7
\$15,000 to \$19,999 . . . . .	2,084	12.0	25.9	20.4	29.9	23.8	60.5	77.8	60.0	42.7
\$20,000 to \$24,999 . . . . .	3,645	17.1	25.1	18.9	31.4	24.5	59.9	80.9	58.1	38.8
\$25,000 to \$29,999 . . . . .	4,174	21.0	23.3	19.3	33.3	24.1	62.2	77.6	61.0	42.0
\$30,000 to \$34,999 . . . . .	5,003	25.7	22.5	20.5	32.9	24.1	66.4	82.6	64.1	43.7
\$35,000 to \$39,999 . . . . .	5,367	29.1	22.7	18.5	34.1	24.7	65.9	84.3	66.3	46.1
\$40,000 to \$49,999 . . . . .	9,627	35.4	22.2	19.5	33.3	25.1	68.2	86.0	67.6	46.4
\$50,000 to \$74,999 . . . . .	21,685	44.6	22.1	20.2	32.5	25.1	73.9	87.2	74.3	53.9
\$75,000 and over . . . . .	24,138	58.0	24.1	21.1	32.8	22.0	80.9	89.8	81.1	64.5

<sup>1</sup> For the most recently purchased computers for those with more than one. <sup>2</sup> Includes other races, not shown separately. Source: U.S. National Center for Education Statistics, *Digest of Education Statistics, 1999*.

## No. 1157. Internet Access and Usage and Online Service Usage: 2000

[199,438 represents 199,438,000. As of spring. For persons 18 years old and over. Based on sample and subject to sampling error; see source for details]

Item	Have Internet access					Used the Internet in the last 30 days			Used any online service in the past 30 days
	Total adults	Any online/Internet usage	Home or work	Home only	Work only	Home or work	Home only	Work only	
<b>Total adults (1,000)</b> . . . . .	<b>199,438</b>	<b>90,458</b>	<b>112,949</b>	<b>77,621</b>	<b>50,476</b>	<b>86,289</b>	<b>65,471</b>	<b>40,449</b>	<b>75,409</b>
PERCENT DISTRIBUTION									
Age:									
18 to 34 years old . . . . .	32.5	39.7	37.9	35.1	34.9	39.8	36.6	34.6	40.3
35 to 54 years old . . . . .	39.9	47.7	46.0	49.4	55.4	47.7	49.6	56.3	47.4
55 years old and over . . . . .	27.6	12.7	16.2	15.5	9.7	12.5	13.8	9.1	12.3
Sex:									
Male . . . . .	48.0	49.8	48.5	49.3	52.3	49.8	50.1	52.7	49.3
Female . . . . .	52.0	50.2	51.5	50.7	47.7	50.2	49.9	47.3	50.7
Household size:									
1 to 2 persons . . . . .	47.9	40.2	41.0	37.9	41.8	40.4	39.0	42.6	39.5
3 to 4 persons . . . . .	36.9	44.4	43.3	45.9	44.6	44.3	45.6	44.4	44.5
5 or more persons . . . . .	15.2	15.4	15.7	16.2	13.6	15.3	15.4	13.0	16.1
Any child in household . . . . .	42.1	47.7	47.0	48.7	48.0	47.3	48.3	46.7	47.9
Marital status:									
Single . . . . .	23.7	27.5	26.0	23.4	22.6	27.7	24.5	23.3	28.4
Married . . . . .	57.2	61.6	61.1	66.2	65.3	61.4	65.7	65.1	60.6
Other . . . . .	19.1	10.9	12.9	10.3	12.0	10.9	9.7	11.6	10.9
Educational attainment:									
Graduated college plus . . . . .	22.5	38.0	33.6	38.6	49.2	38.8	41.6	53.1	37.8
Attended college . . . . .	26.5	34.8	33.7	34.0	30.6	35.0	34.4	30.2	35.0
Did not attend college . . . . .	51.0	27.2	32.8	27.3	20.3	26.2	24.1	16.7	27.2
Household income:									
Less than \$50,000 . . . . .	55.1	33.6	38.3	29.9	23.3	32.9	28.4	20.8	32.9
\$50,000 to \$74,999 . . . . .	20.7	26.2	25.7	26.9	27.4	26.2	26.5	26.8	26.0
\$75,000 to \$149,999 . . . . .	20.1	32.6	29.4	34.7	39.6	33.1	36.4	41.8	33.1
\$150,000 or more . . . . .	4.1	7.6	6.7	8.5	9.7	7.8	8.7	10.7	8.0

Source: Mediamark Research Inc., New York, NY, *CyberStats*, spring 2000 (copyright). Internet site <<http://www.mediamark.com>> (accessed 23 May 2000).

## No. 1158. Households With Computers and Internet Access by Selected Characteristic: 2000

[In percent. Based on survey and subject to sampling error; for details, see source]

Characteristic	Households with computers				Households with Internet			
	Total	Rural <sup>1</sup>	Urban <sup>1</sup>	Central city <sup>1</sup>	Total	Rural <sup>1</sup>	Urban <sup>1</sup>	Central city <sup>1</sup>
<b>All households, 2000</b> .....	<b>51.0</b>	<b>49.6</b>	<b>51.5</b>	<b>46.3</b>	<b>41.5</b>	<b>38.9</b>	<b>42.3</b>	<b>37.7</b>
Age of householder:								
Under 25 years old .....	43.8	38.8	44.8	42.8	35.7	29.8	36.9	35.5
25 to 34 years old .....	57.0	54.9	57.5	54.2	47.5	42.5	48.7	46.4
35 to 44 years old .....	64.1	64.0	64.1	56.7	52.3	50.9	52.7	46.2
45 to 54 years old .....	62.7	61.4	63.2	55.8	51.9	49.6	52.7	45.4
55 years old or over .....	33.7	32.6	34.0	29.4	26.0	24.6	26.5	22.2
Householder race/ethnicity:								
White <sup>2</sup> .....	55.7	51.8	57.3	55.5	46.1	40.9	48.3	47.1
Black <sup>2</sup> .....	32.6	27.5	33.3	28.7	23.5	19.9	24.0	20.1
Asian, Indian, Eskimo, Alut <sup>2</sup> .....	35.5	31.6	38.6	35.1	25.0	19.6	29.3	27.0
Asian or Pacific Islander <sup>2</sup> .....	65.6	37.3	65.3	61.1	56.8	62.1	56.6	53.0
Hispanic .....	33.7	28.8	34.2	31.1	23.6	19.9	23.9	21.5
Household type:								
Married couple with children under 18 .....	73.2	73.3	73.2	65.9	60.6	58.3	61.5	55.1
Male householder with children under 18 .....	45.6	43.3	46.3	43.1	35.7	30.3	37.4	35.3
Female householder with children under 18 .....	42.9	41.6	43.2	34.9	30.0	31.2	29.7	22.8
Family households without children .....	52.5	48.0	54.4	48.9	43.2	37.7	45.5	41.0
Nonfamily households .....	34.6	26.2	36.5	37.9	28.1	20.2	29.9	30.8
Education of householder:								
Elementary .....	12.8	10.5	13.7	15.8	7.2	6.1	7.6	8.4
Some high school .....	21.9	24.6	20.9	17.4	14.8	16.5	14.2	11.9
High school graduate of GED .....	39.6	42.6	38.3	33.2	29.9	31.0	29.8	25.7
Some college .....	60.3	62.9	59.5	53.7	49.0	50.0	48.7	43.6
BA degree or more .....	75.7	77.8	75.3	72.2	66.0	67.7	65.7	62.3
Household income:								
Under \$5,000 .....	21.8	16.0	23.6	23.7	16.0	13.1	16.8	17.0
\$5,000 to \$9,999 .....	14.6	13.0	15.1	14.7	9.3	9.0	9.4	9.5
\$10,000 to \$14,999 .....	22.0	20.7	22.4	22.8	14.2	12.5	14.8	15.4
\$15,000 to \$19,999 .....	28.4	28.3	28.4	29.0	19.2	19.1	19.3	19.2
\$20,000 to \$24,999 .....	31.4	29.4	32.1	30.6	22.9	21.2	23.5	22.0
\$25,000 to \$34,999 .....	44.6	43.3	45.1	44.2	34.0	31.5	34.9	34.6
\$35,000 to \$49,999 .....	58.6	58.1	58.8	57.1	46.1	41.8	47.8	46.0
\$50,000 to \$74,999 .....	73.2	72.7	73.4	70.7	60.9	59.5	61.4	60.1
\$75,000 and over .....	86.3	86.8	86.2	83.7	77.7	76.6	78.0	76.1

<sup>1</sup> See text, Section 1, Population, and Appendix II. <sup>2</sup> Non-Hispanic. <sup>3</sup> Figure does not meet standards of reliability or precision.

Source: U.S. Dept. of Commerce, National Telecommunications and Information Administration, *Falling Through the Net: Defining the Digital Divide*, July 1999 and October 2000.

## No. 1159. Households With Computers and Internet Access: 1998 and 2000

[In percent. Based on survey and subject to sampling error; for details, see source]

State	1998		2000		State	1998		2000	
	Com-puters	Internet access	Com-puters	Internet access		Com-puters	Internet access	Com-puters	Internet access
<b>U.S.</b> .....	<b>42.1</b>	<b>26.2</b>	<b>51.0</b>	<b>41.5</b>	MO	41.8	24.3	52.6	42.5
AL	34.3	21.6	44.2	35.5	MT	40.9	21.5	51.5	40.6
AK	62.4	44.1	64.8	55.6	NE	42.9	22.9	48.5	37.0
AZ	44.3	29.3	53.5	42.5	NV	41.6	26.5	48.8	41.0
AR	29.8	14.7	37.3	26.5	NH	54.2	37.1	63.7	56.0
CA	47.5	30.7	56.6	46.7	NJ	48.1	31.3	54.3	47.8
CO	55.3	34.5	62.6	51.8	NM	42.2	25.8	47.6	35.7
CT	43.8	31.8	60.4	51.2	NY	37.3	23.7	48.7	39.8
DE	40.5	25.1	58.6	50.7	NC	35.0	19.9	45.3	35.3
DC	41.4	24.2	48.8	39.6	ND	40.2	20.6	47.5	37.7
FL	39.5	27.8	50.1	43.2	OH	40.7	24.6	49.5	40.7
GA	35.8	23.9	47.1	38.3	OK	37.8	20.4	41.5	34.3
HI	42.3	27.9	52.4	43.0	OR	51.3	32.7	61.1	50.8
ID	50.0	27.4	54.5	42.3	PA	39.3	24.9	48.4	40.1
IL	42.7	26.5	50.2	40.1	RI	41.0	27.1	47.9	38.8
IN	43.5	26.1	48.8	39.4	SC	35.7	21.4	43.3	32.0
IA	41.4	21.8	53.6	39.0	SD	41.6	23.9	50.4	37.9
KS	43.7	25.7	55.8	43.9	TN	37.5	21.3	45.7	36.3
KY	35.9	21.1	46.2	36.6	TX	40.9	24.5	47.9	38.3
LA	31.1	17.8	41.2	30.2	UT	60.1	35.8	66.1	48.4
ME	43.4	26.0	54.7	42.6	VT	48.7	31.8	53.7	46.7
MD	46.3	31.0	53.7	43.8	VA	46.4	27.9	53.9	44.3
MA	43.4	28.1	53.0	45.5	WA	56.3	36.6	60.7	49.7
MI	44.0	25.4	51.5	42.1	WV	28.3	17.6	42.8	34.3
MN	47.6	29.0	57.0	43.0	WI	43.0	25.1	50.9	40.6
MS	25.7	13.6	37.2	26.3	WY	46.1	22.7	58.2	44.1

Source: U.S. Department of Commerce, National Telecommunications and Information Administration, *Falling through the Net: Defining the Digital Divide*, July 1999 and October 2000.