

High-Speed Services for Internet Access: Status as of June 30, 2007

Industry Analysis and Technology Division
Wireline Competition Bureau
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Congress directed the Commission and the states, in section 706 of the Telecommunications Act of 1996, to encourage deployment of advanced telecommunications capability in the United States on a reasonable and timely basis.¹ To assist in its evaluation of such deployment, the Commission instituted a formal data collection program (FCC Form 477) to gather standardized information about subscribership to high-speed services, including advanced services, from wireline telephone companies, cable system operators, terrestrial wireless service providers, satellite service providers, and any other facilities-based providers of advanced telecommunications capability.²

We summarize here information from the sixteenth semi-annual data collection, thereby presenting a snapshot of subscribership as of June 30, 2007.³ High-speed lines connecting homes and businesses to the Internet increased by 22% during the first half of 2007, from 82.8 million to 100.9 million lines in service, following a 27% increase, from 65.3 million to 82.8 million lines, during the second half of 2006. For the full twelve-month period ending June 30, 2007, high-speed lines increased by 55% (or 35.7 million lines). The presence of high-speed service subscribers was reported in all 50 states, the District of Columbia, American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the Virgin Islands, and in over 99% of the Zip Codes in the United States.

Twice a year, all facilities-based providers of high-speed connections to end users are required to report to the Commission basic information about their service offerings and types of customers.⁴ Prior to June 2005, providers with fewer than 250 high-speed lines (or wireless

¹ See §706, Pub.L. 104-104, Title VII, Feb. 8, 1996, 110 Stat. 153, reproduced in the notes under 47 U.S.C. § 157. We use the term “high-speed” to describe services that provide the subscriber with transmissions at a speed in excess of 200 kilobits per second (kbps) in at least one direction. “Advanced services,” which provide the subscriber with transmission speeds in excess of 200 kbps in each direction, are a subset of high-speed services.

² *Local Competition and Broadband Reporting*, CC Docket No. 99-301, Report and Order, 15 FCC Rcd 7717 (2000); *Local Telephone Competition and Broadband Reporting*, WC Docket No. 04-141, Report and Order, 19 FCC Rcd 22340 (2004). During this data gathering program, qualifying entities file FCC Form 477 each year on March 1 (reporting data for the preceding December 31) and September 1 (reporting data for June 30 of the same year). The first data collected by Form 477 were data as of December 31, 1999. An updated Form 477, and instructions for that particular form, for each specific round of the data collection may be downloaded from the FCC Forms website at www.fcc.gov/formpage.html.

³ Statistical summaries of the earlier Form 477 data collections appeared in *Deployment of Advanced Telecommunications Capability to All Americans in a Reasonable and Timely Fashion*, CC Docket No. 98-146, Second Report, 15 FCC Rcd 20913 (2000) (*Second 706 Report*), available at www.fcc.gov/broadband/706.html, and in previous releases of the *High-Speed Services for Internet Access* report, available at www.fcc.gov/wcb/stats.

⁴ The terms “broadband connections” (which is used as a synonym for “high-speed connections” in the Form 477 program) and “facilities-based provider” are defined on the first page of the Form 477 instructions that are available at www.fcc.gov/formpage.html, and the term “end users” is defined on the third page. Facilities-based providers report information about high-speed connections they provide directly to their own end-user customers and also high-speed connections they provide to Internet Service Providers for resale to end users.

channels) in service in a particular state were not required to report data for that state.⁵ Small providers of high-speed connections, many of whom serve rural areas with relatively small populations, were therefore underrepresented in the earlier data. Including these providers resulted in a substantial one-time increase in the number of holding companies and unaffiliated entities reporting information about high-speed connections from December 31, 2004 to June 30, 2005.⁶

The data reported for June 30, 2007 include detail about the information transfer rates (“speeds”) of the reported connections and a breakdown of high-speed connections by type of technology.⁷ The reported data also enable us to estimate, for individual states, the extent to which Digital Subscriber Line (DSL) high-speed connections provided by incumbent local exchange carriers (incumbent LECs), and cable modem high-speed service provided by cable system operators, are available to households residing in the areas these companies serve.

Readers can draw the following broad conclusions from the data summarized in this report:

- High-speed lines (or wireless channels) connecting homes and businesses to the Internet at speeds that exceed 200 kbps in *at least one* direction increased from 82.8 million lines to 100.9 million lines during the first half of 2007. For the full twelve-month period ending June 30, 2007, high-speed lines increased by 35.7 million, from 65.3 million lines to 100.9 million lines. See Table 1 and Chart 1.
- ADSL lines increased by 2.1 million lines during the first half of 2007, fiber connections increased by 0.4 million lines, and cable modem service increased by 2.4 million lines. For the full twelve-month period ending June 30, 2007, ADSL increased by 4.9 million lines, fiber connections increased by 0.7 million lines, and cable modem service increased by 5.2 million lines. See Table 1.
- Of the 100.9 million total high-speed lines, 34.1% were cable modem, 27.3% were ADSL, 1.0% were symmetric DSL (SDSL) or traditional wireline, 1.4% were fiber to the end user premises, and 36.2% used other technologies.⁸ See Chart 2.

⁵ High-speed lines reported in voluntary submissions of data prior to June 2005 represented less than 0.05% of total reported high-speed lines. As of June 30, 2005, filers with fewer than 250 lines in a state (including some entities that previously made voluntary submissions) represented about 0.2% of total reported high-speed lines.

⁶ The nationwide number of holding companies and unaffiliated entities reporting high-speed lines increased from 552 as of December 31, 2004 to 1,270 as of June 30, 2005. See Table 7.

⁷ Some Internet-access connections that telephone companies, cable system operators, and wireless service providers offer do not meet the 200 kbps criterion for reporting high-speed connections to the Commission, but may nevertheless meet the needs of the subscribers who select them over a more expensive service option.

⁸ Providers are instructed to report a high-speed connection in the (mutually exclusive) technology category that characterizes the last few feet of distribution plant to the subscriber’s premises. In addition to cable modem, ADSL, SDSL, traditional wireline when used for Internet access, and optical carrier (fiber to the end user) connections, reporting entities specify satellite, terrestrial fixed wireless (licensed or unlicensed), terrestrial mobile wireless (licensed or unlicensed), electric power line, or “all other” technology. See additional notes following Chart 10.

- Lines connecting homes and businesses to the Internet at transmission speeds that exceed 200 kbps in *both* directions increased from 59.8 million lines to 69.6 million lines during the first half of 2007. For the full twelve-month period ending June 30, 2007, they increased by 18.5 million, from 51.1 million lines to 69.6 million lines. See Table 2 and Chart 3.
- Of the 69.6 million lines which were faster than 200 kbps in *both* directions, 48.8% were cable modem, 33.6% were ADSL, 1.5% were SDSL or traditional wireline, 2.0% were fiber to the end user premises, and 14.1% used other technologies. See Chart 4.
- Of the 100.9 million total high-speed lines, 65.9 million were designed to serve primarily residential end users. Cable modem represented 50.6% of these lines while 37.5% were ADSL, 0.2% were SDSL or traditional wireline connections, 1.7% were fiber to the end user premises, and 10.0% used other technologies. See Table 3 and Chart 6. For state-specific data, see Table 13.
- Of the 69.6 million lines that were faster than 200 kbps in *both* directions, 61.1 million lines were designed to serve primarily residential end users. Of these, cable modem represented 53.9% while 34.1% were ADSL, 0.2% were SDSL or traditional wireline, 1.9% were fiber to the end user premises, and 10.0% used other technologies. See Table 4 and Chart 8.
- Of the 69.6 million reported high-speed lines that were faster than 200 kbps in *both* directions as of June 30, 2007, 59.8% were at least 2.5 mbps in the faster direction and 40.2% were slower than 2.5 mbps in the faster direction. See Table 5.
- Incumbent LECs or their affiliates reported 97.0% of ADSL connections, 91.2% of fiber-to-the-premises connections, 81.5% of the mobile service subscribers whose wireless device is capable of operating on a high-speed mobile wireless network, and 49.2% of traditional wireline connections. When all technologies are considered, incumbent LECs reported 56.8% of total high-speed connections. See Table 6.
- High-speed lines were reported in all 50 states, the District of Columbia, American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the Virgin Islands. See Table 9 and, for historical data, Tables 10 - 12.
- As a nationwide average, we estimate that high-speed DSL connections were available to 82% of the households to whom incumbent LECs could provide local telephone service, and that high-speed cable modem service was available to 96% of the households to whom cable system operators could provide cable TV service. See Table 14.

- The Commission’s data collection program requires providers to list the Zip Codes in which the provider has at least one high-speed connection in service to an end user, and over 99% of Zip Codes were listed by at least one provider.⁹ The most widely reported technologies by this measure were high-speed mobile wireless (with at least some presence reported in 96% of Zip Codes), satellite (in 92% of Zip Codes), ADSL (in 85% of Zip Codes), and cable modem service (in 66% of Zip Codes). ADSL and/or cable modem connections were reported to be present in 90% of Zip Codes.¹⁰ See Tables 15 and 16. For state-specific data, see Table 17.
- Our analysis indicates that more than 99% of the country’s population lives in the more than 99% of Zip Codes where a provider reports having at least one high-speed service subscriber. Moreover, numerous competing providers report serving high-speed subscribers in the major population centers of the country. See the map that follows Table 16.
- High population density has a positive association with reports that high-speed subscribers are present, and low population density has an inverse association. For example, high-speed subscribers were reported to be present in more than 99% of the most densely populated Zip Codes and in 91% of Zip Codes with the lowest population densities.¹¹ The comparable figure for the lowest-density Zip Codes was 89% a year earlier. See Table 18.
- High median household income also has a positive association with reports that high-speed subscribers are present. In the top one-tenth of Zip Codes ranked by median household income, high-speed subscribers are reported in 99% of Zip Codes. By contrast, high-speed subscribers are reported in 92% of Zip Codes with the lowest median household income, compared to 91% a year earlier. See Table 19.

As other information from the Commission’s data collection program (FCC Form 477) becomes available, it will be included in future reports on the deployment of advanced telecommunications capability and in publications such as this one.

⁹ Lists of Zip Codes with number of service providers as reported in the FCC Form 477 filings are made available at www.fcc.gov/wcb/stats in a format that honors requests for nondisclosure of information the reporting entities assert is competitively sensitive.

¹⁰ The 90% figure (more precisely, 89.6%) includes ZIP codes with either ADSL subscribers reported, cable modem subscribers reported, or both. In 60.9% of ZIP codes, both ADSL and cable modem subscribers have been reported. In 23.7% of ZIP codes, there are ADSL subscribers reported but no cable modem subscribers, and in 5.0% of ZIP codes there are cable modem subscribers reported but no ADSL subscribers reported.

¹¹ For this comparison, we consider the most densely populated Zip Codes to be those with more than 3,147 persons per square mile (the top decile of Zip Codes) and the least densely populated Zip Codes to be those with fewer than 6 persons per square mile (the bottom decile).

We invite users of this information to provide suggestions for improved data collection and analysis by:

- Using the attached customer response form,
- E-mailing comments to James.Eisner@fcc.gov or Suzanne.Mendez@fcc.gov,
- Calling the Industry Analysis and Technology Division of the Wireline Competition Bureau at (202) 418-0940, or
- Participating in any formal proceedings undertaken by the Commission to solicit comments for improvement of FCC Form 477.

Table 1
High-Speed Lines ¹
(Over 200 kbps in at least one direction)

Technology ²	2000	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
ADSL	951,583	2,693,834	5,101,493	7,675,114	11,398,199	16,316,309	19,515,483	22,584,255	25,412,883	27,516,171
SDSL and Traditional Wireline	758,594	1,088,066	1,186,680	1,215,713	1,407,121	898,468	878,973	948,134	1,030,698	1,028,654
SDSL	-	-	-	-	-	411,731	368,782	337,412	344,759	319,932
Traditional Wireline	-	-	-	-	-	486,737	510,191	610,722	685,939	708,722
Cable Modem	2,284,491	5,184,141	9,172,895	13,684,225	18,592,636	24,017,442	26,558,206	29,174,494	31,981,705	34,408,553
Fiber ³	46,635	81,248	105,991	111,386	130,928	315,651	448,257	685,823	1,035,677	1,402,652
Satellite and Wireless	65,615	194,707	220,588	309,006	421,690	965,068	3,812,655	11,872,998	23,344,106	36,560,197
Satellite	-	-	-	-	-	376,837	426,928	495,365	571,980	668,803
Fixed Wireless	-	-	-	-	-	208,695	257,431	361,113	484,277	586,141
Mobile Wireless	-	-	-	-	-	379,536	3,128,296	11,016,520	22,287,849	35,305,253
Power Line and Other	-	-	-	-	-	4,872	4,571	5,208	4,776	5,420
Total Lines	4,106,918	9,241,996	15,787,647	22,995,444	31,950,574	42,517,810	51,218,145	65,270,912	82,809,845	100,921,647

For data through December 2004, only those providers with at least 250 lines per state were required to file. Some historical data have been revised. See additional notes following Chart 10.

Chart 1
Total High-Speed Lines

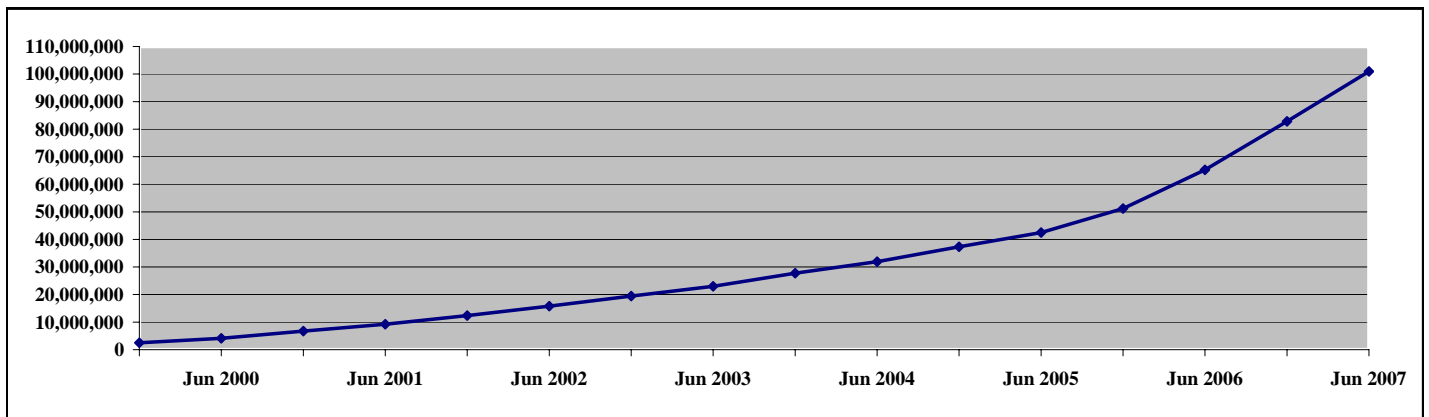


Chart 2
High-Speed Lines by Technology as of June 30, 2007

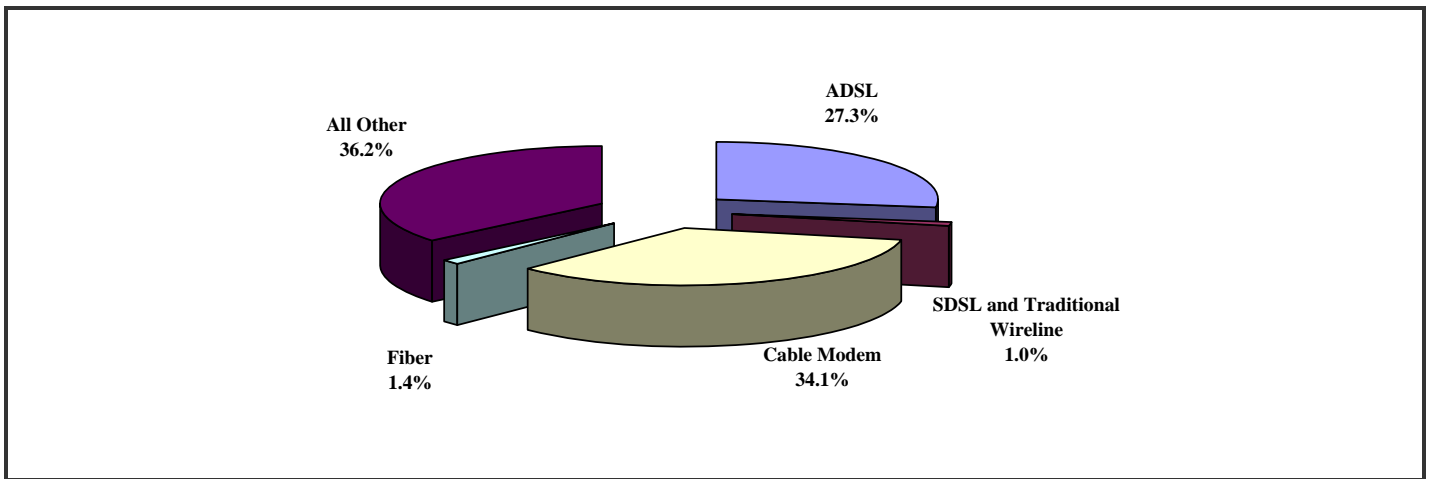


Table 2
Advanced Services Lines¹
(Over 200 kbps in both directions)

Technology ²	2000	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
ADSL	326,816	998,883	1,852,879	2,536,368	3,768,019	13,176,095	15,921,336	18,310,957	21,144,159	23,381,289
SDSL and Traditional Wireline	758,594	1,088,066	1,186,680	1,215,713	1,407,121	869,772	874,261	946,874	1,029,782	1,027,937
SDSL	-	-	-	-	-	387,451	368,736	336,586	344,739	319,293
Traditional Wireline	-	-	-	-	-	482,321	505,525	610,288	685,043	708,644
Cable Modem	1,469,130	3,329,976	6,819,395	11,935,866	17,567,468	22,745,012	26,293,596	28,878,587	31,594,111	33,939,919
Fiber ³	40,627	81,204	104,015	110,829	129,636	314,229	447,235	684,729	1,034,317	1,400,565
Satellite and Wireless	3,649	73,476	66,073	64,393	93,805	223,274	338,635	2,275,154	4,982,675	9,800,951
Satellite	-	-	-	-	-	10,966	36,331	27,489	36,026	57,202
Fixed Wireless	-	-	-	-	-	191,229	220,268	333,209	455,741	553,919
Mobile Wireless	-	-	-	-	-	21,079	82,036	1,914,456	4,490,908	9,189,830
Power Line and Other	-	-	-	-	-	4,174	4,501	5,209	4,776	5,420
Total Lines	2,598,816	5,571,605	10,029,042	15,863,169	22,966,048	37,332,557	43,879,564	51,101,510	59,789,820	69,556,081

For data through December 2004, only those providers with at least 250 lines per state were required to file. Some historical data have been revised. See additional notes following Chart 10.

Chart 3
Advanced Services Lines

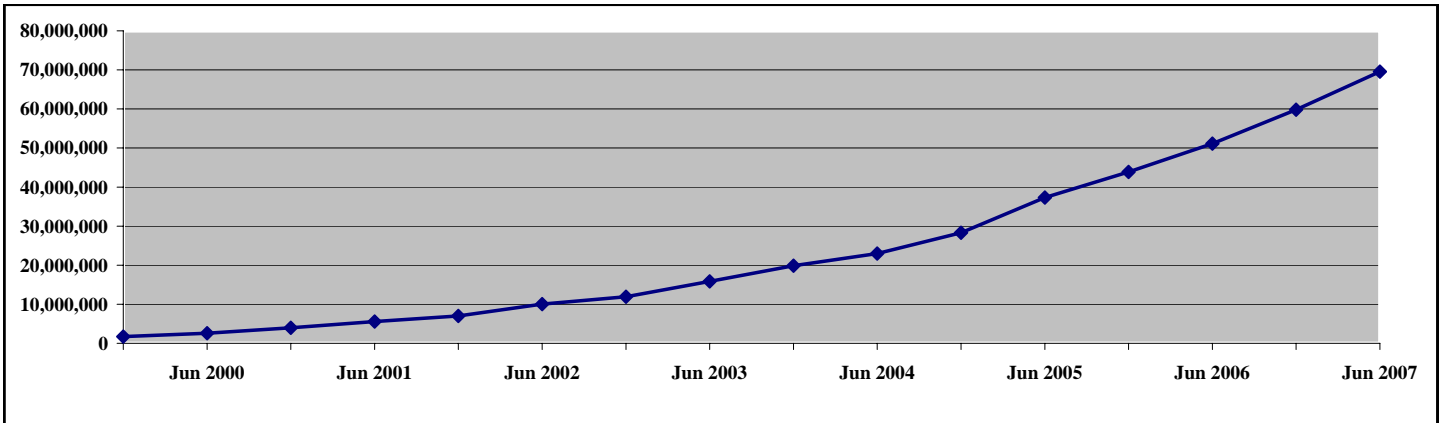


Chart 4
Advanced Services Lines by Technology as of June 30, 2007

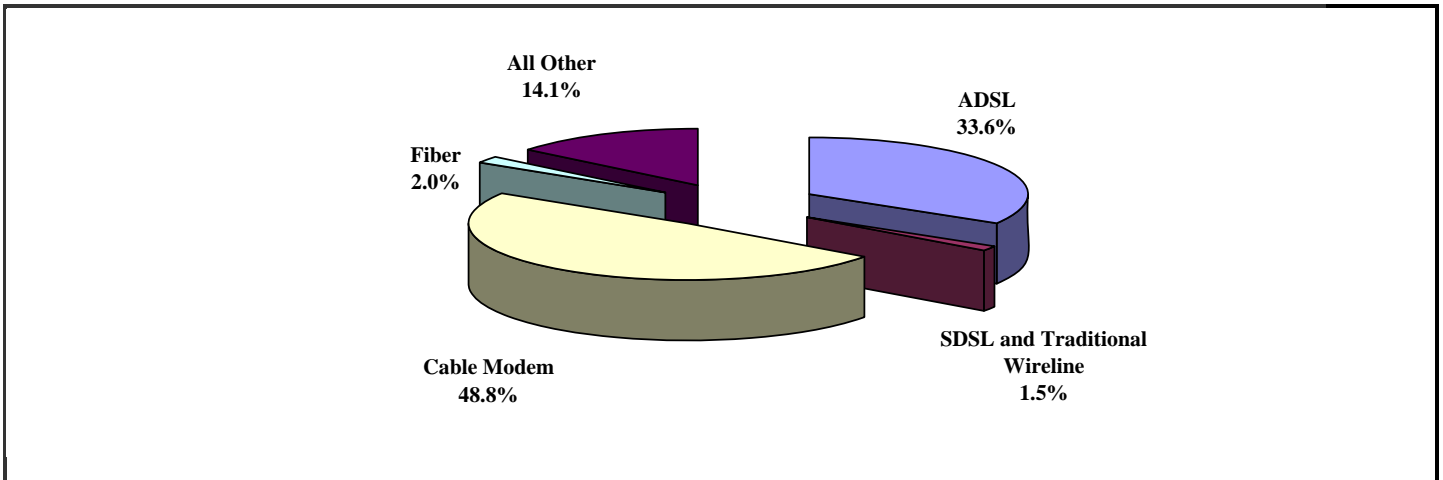


Table 3
Residential High-Speed Lines ¹
(Over 200 kbps in at least one direction)

Technology ²	2000	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
ADSL	772,272	2,490,740	4,395,033	6,429,938	10,759,495	14,442,823	17,370,508	20,152,290	22,768,500	24,690,513
SDSL and Traditional Wireline	111,490	138,307	223,599	250,372	393,049	159,489	129,444	112,017	117,708	117,437
SDSL	-	-	-	-	-	153,978	122,220	102,605	105,012	104,944
Traditional Wireline	-	-	-	-	-	5,511	7,224	9,412	12,696	12,493
Cable Modem	2,215,259	4,998,540	9,157,285	13,660,541	18,525,265	23,578,060	25,714,461	28,365,648	31,118,079	33,340,678
Fiber ³	325	2,623	6,120	16,132	22,719	83,293	213,479	442,027	763,394	1,152,195
Satellite and Wireless	64,320	182,165	202,251	288,786	387,563	428,367	532,704	1,840,060	3,589,607	6,598,329
Satellite	-	-	-	-	-	265,017	320,142	382,047	455,936	530,357
Fixed Wireless	-	-	-	-	-	160,775	203,179	301,293	424,284	522,752
Mobile Wireless	-	-	-	-	-	2,574	9,384	1,156,720	2,709,387	5,545,220
Power Line and Other	-	-	-	-	-	4,447	4,550	5,093	4,711	5,347
Total Lines	3,163,666	7,812,375	13,984,287	20,645,769	30,088,091	38,696,480	43,965,147	50,917,135	58,361,999	65,904,499

For data through December 2004, only those providers with at least 250 lines per state were required to file. Small business lines were included in totals through December 2004. Some historical data have been revised. See additional notes following Chart 10.

Chart 5
Residential High-Speed Lines

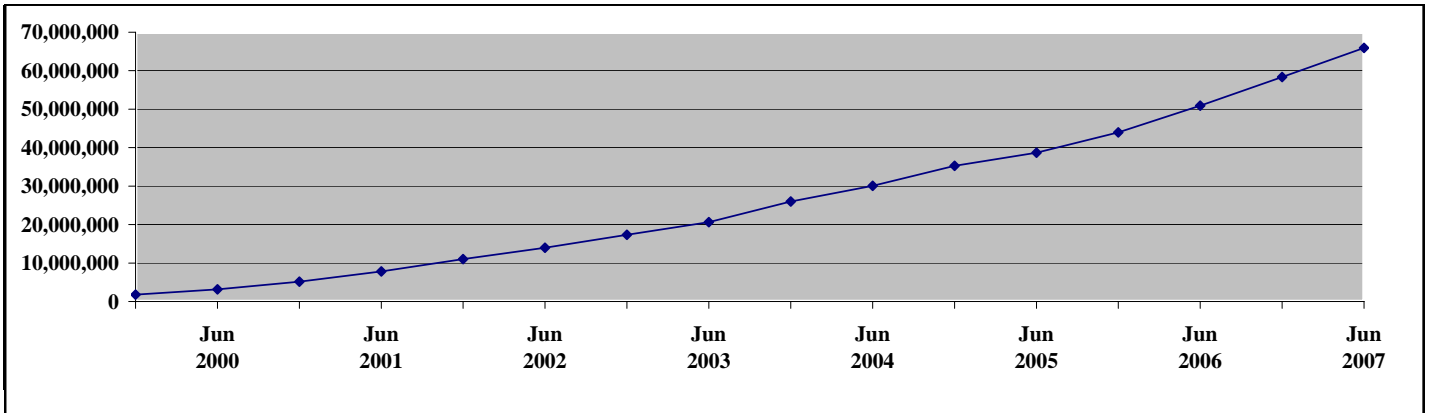


Chart 6
Residential High-Speed Lines by Technology as of June 30, 2007

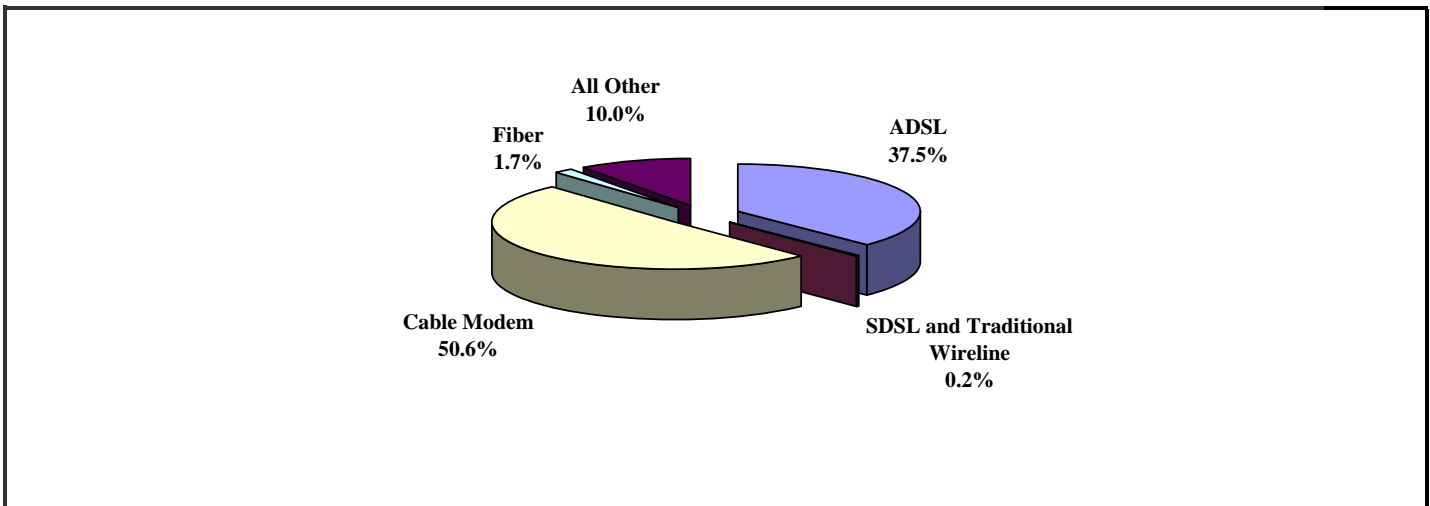


Table 4
Residential Advanced Services Lines¹
(Over 200 kbps in both directions)

Technology ²	2000	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
ADSL	195,324	916,364	1,580,575	2,071,779	3,174,022	11,731,303	14,242,291	16,416,522	18,878,873	20,835,274
SDSL and Traditional Wireline	111,490	138,307	223,599	250,372	393,049	151,979	125,116	111,935	117,652	116,881
SDSL	-	-	-	-	-	149,862	122,220	102,580	105,002	104,432
Traditional Wireline	-	-	-	-	-	2,118	2,895	9,355	12,650	12,449
Cable Modem	1,401,434	3,146,953	6,809,170	11,920,207	17,505,907	22,324,471	25,533,423	28,121,912	30,770,517	32,920,397
Fiber ³	325	2,617	5,118	15,751	21,866	82,831	212,862	441,128	762,083	1,150,246
Satellite and Wireless	2,916	60,988	47,787	46,407	72,485	150,893	204,703	1,449,299	3,114,987	6,074,665
Satellite	-	-	-	-	-	2,244	25,117	15,055	23,334	35,319
Fixed Wireless	-	-	-	-	-	146,074	170,515	277,524	399,732	494,144
Mobile Wireless	-	-	-	-	-	2,574	9,071	1,156,720	2,691,921	5,545,202
Power Line and Other	-	-	-	-	-	3,916	4,481	5,093	4,711	5,347
Total Lines	1,711,488	4,265,229	8,666,249	14,304,515	21,167,329	34,445,394	40,322,876	46,545,889	53,648,823	61,102,810

For data through December 2004, only those providers with at least 250 lines per state were required to file. Small business lines were included in totals through December 2004. Some historical data have been revised. See additional notes following Chart 10.

Chart 7
Residential Advanced Services Lines

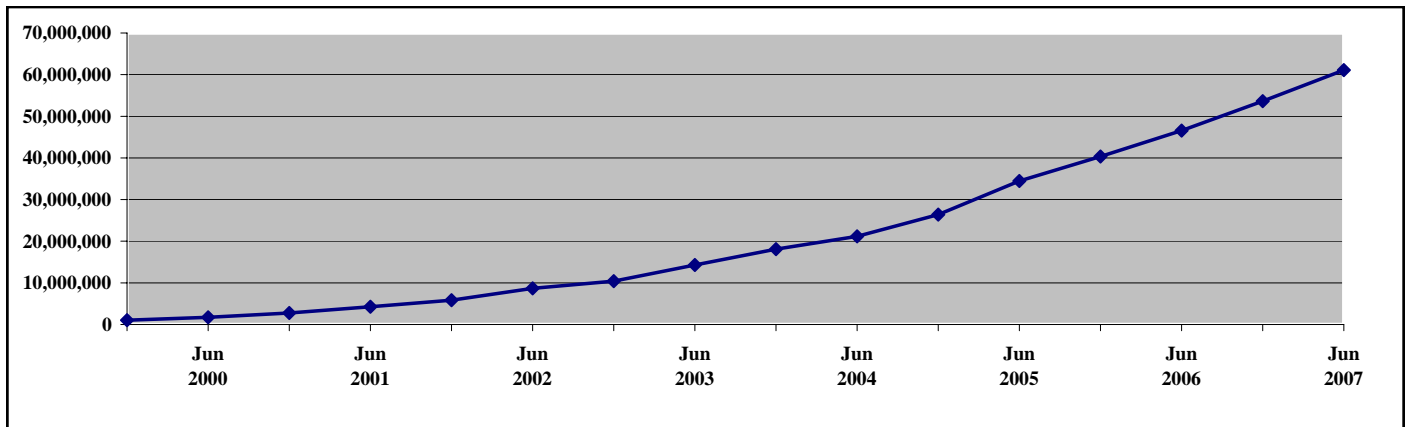


Chart 8
Residential Advanced Services Lines by Technology as of June 30, 2007

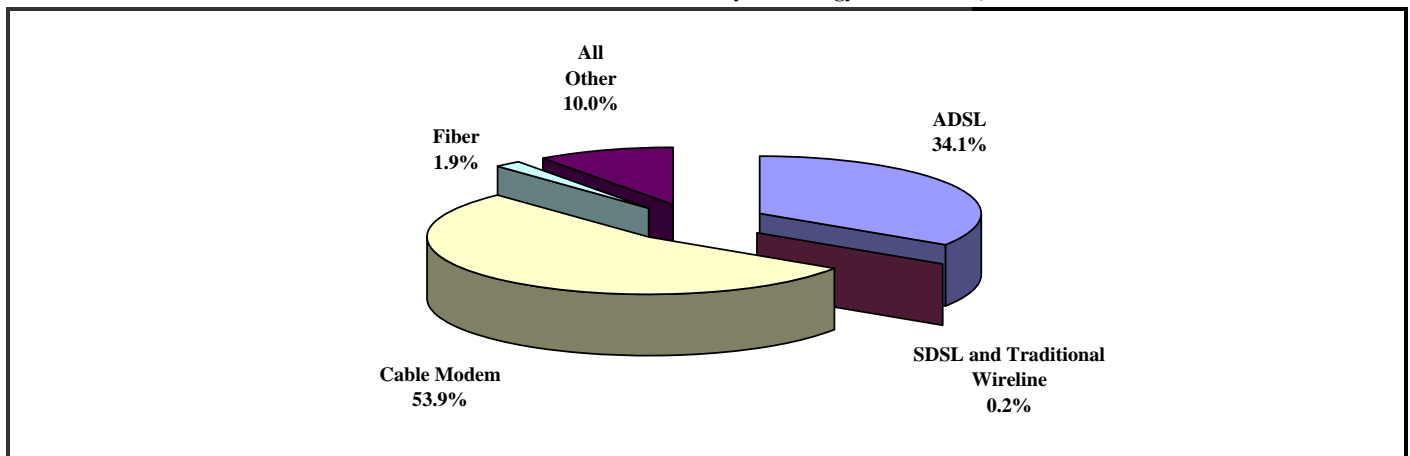


Table 5
High-Speed Lines by Information Transfer Rates ¹
As of June 30, 2007

Technology ²	Exceeding 200 kbps in only one direction	Exceeding 200 kbps in both directions, and:				
		Greater than 200 kbps and less than 2.5 mbps in the faster direction	Greater than or equal to 2.5 mbps and less than 10 mbps in the faster direction	Greater than or equal to 10 mbps and less than 25 mbps in the faster direction	Greater than or equal to 25 mbps and less than 100 mbps in the faster direction	Greater than or equal to 100 mbps in the faster direction
ADSL	4,134,882	13,025,758	10,303,122	52,373	*	*
SDSL	639	317,401	1,805	*	*	0
Traditional Wireline	78	671,080	18,740	5,928	6,245	6,651
Cable Modem	468,634	3,941,006	26,682,038	3,246,906	*	*
Fiber	2,087	214,373	646,776	508,829	16,292	14,295
Satellite	611,601	57,202	0	0	0	0
Fixed Wireless	32,222	523,309	30,061	*	*	*
Mobile Wireless	26,115,423	*	*	0	0	0
Power Line and Other	0	*	*	0	*	0
Total Lines	31,365,566	27,944,008	37,683,911	3,814,471	91,983	21,708

* Data withheld to maintain firm confidentiality.
See notes following Chart 10.

Chart 9
Lines by Information Transfer Rates in the Faster Directions as of June 30, 2007
(Includes only lines exceeding 200 kbps in both directions)

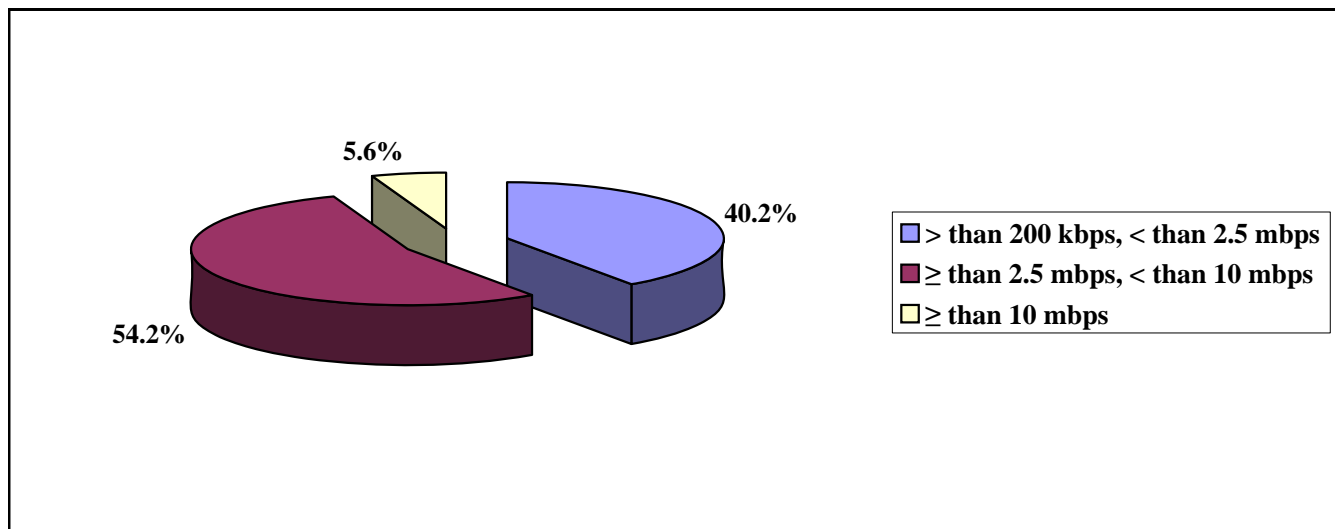


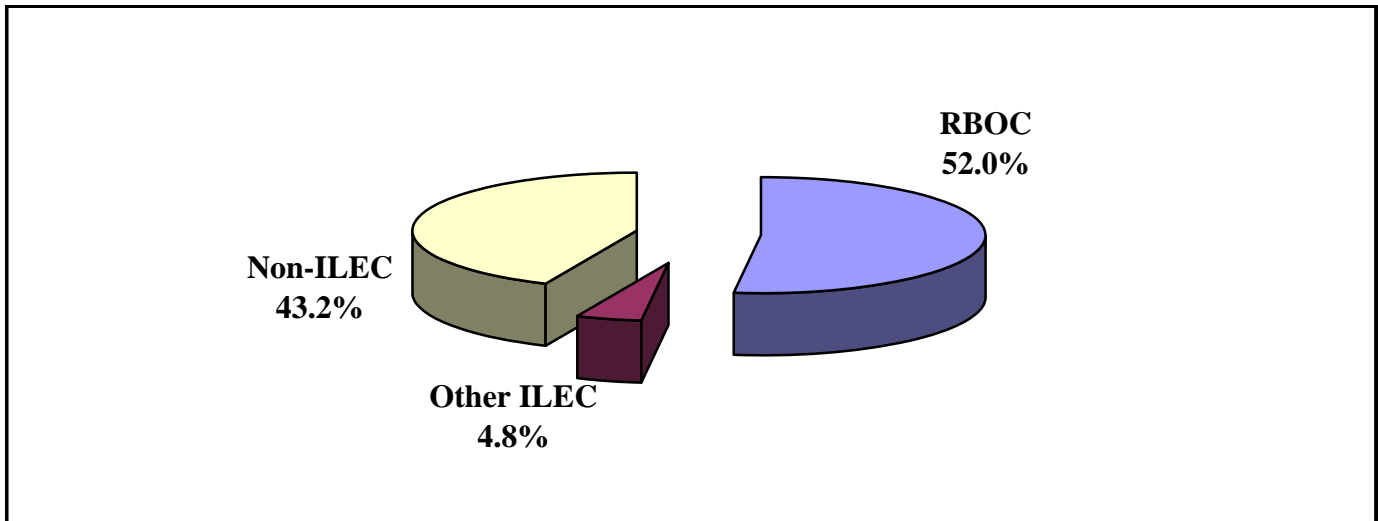
Table 6
High-Speed Lines by Type of Provider as of June 30, 2007¹
(Over 200 kbps in at least one direction)

Technology ²	Lines				Percent of Lines		
	RBOC ⁴	Other ILEC	Non-ILEC ⁵	Total	RBOC ⁴	Other ILEC	Non-ILEC ⁵
ADSL	22,121,630	4,554,463	840,078	27,516,171	80.4 %	16.6 %	3.1 %
SDSL	*	*	205,943	319,932	*	*	64.4
Traditional Wireline	334,730	13,455	360,537	708,722	47.3	1.9	50.9
Cable Modem	*	*	34,319,043	34,408,553	*	*	99.7
Fiber	1,233,079	45,249	124,324	1,402,652	87.9	3.2	8.9
Satellite	0	0	668,803	668,803	0.0	0.0	100.0
Fixed Wireless	*	*	564,588	586,141	*	*	96.3
Mobile Wireless	*	*	6,512,904	35,305,253	*	*	18.5
Power Line and Other	0	0	5,420	5,420	0.0	0.0	100.0
Total Lines	52,489,028	4,830,985	43,601,634	100,921,647	52.0 %	4.8 %	43.2 %

* Data withheld to maintain firm confidentiality.

See notes following Chart 10.

Chart 10
Share of High-Speed Lines by Type of Provider as of June 30, 2007



Revised on March 25, 2008.

Notes for Tables 1 - 6 and Charts 1 - 10.

Advanced services lines, residential high-speed lines, and residential advanced services lines are estimated based on data reported on FCC Form 477. Therefore, figures may not add to totals due to rounding.

¹ High-speed lines are connections to end-user locations that deliver services at speeds exceeding 200 kbps in at least one direction. Advanced services lines, which are a subset of high-speed lines, are connections that deliver services at speeds exceeding 200 kbps in both directions. In Tables 2 and 4, we enumerate those reported high-speed lines that also qualify as advanced services lines. More detailed information about connection speeds is presented in Table 5. Line counts presented in this report are not adjusted for the number of persons at a single end-user location who have access to, or who use, the Internet-access services that are delivered over the high-speed connection to that location.

² The mutually exclusive types of technology are, respectively: Asymmetric digital subscriber line (ADSL) technologies, which provide speeds in one direction greater than speeds in the other direction; symmetric digital subscriber line (SDSL) technologies; traditional wireline technologies when used to provide equivalent Internet access functionality, including Ethernet service if delivered to the subscriber's location over copper (as opposed to optical fiber) plant; cable modem, including the typical hybrid fiber-coax (HFC) architecture of upgraded cable TV systems; optical fiber to the subscriber's premises (e.g., Fiber-to-the-Home, or FTTH); satellite and fixed and mobile terrestrial wireless systems, which use radio spectrum to communicate with a radio transmitter; electric power line; and other.

³ Fiber lines included electric power line through December 2004.

⁴ RBOC lines include lines owned by AT&T, Qwest and Verizon, and their affiliates.

⁵ High-speed lines reported by non-ILEC affiliates of RBOCs are reported in the column for RBOC lines and are excluded from the column for non-ILEC lines. Lines reported by non-ILEC affiliates of ILECs other than the RBOCs are reported in the column for non-ILEC lines.

Table 7
Nationwide Number of Providers of High-Speed Lines by Technology
(Over 200 kbps in at least one direction)

	ADSL	Cable Modem	All Other ¹	Total
Dec 1999	28	43	65	105
Jun 2000	47	36	75	116
Dec 2000	68	39	87	136
Jun 2001	86	47	98	160
Dec 2001	117	59	122	203
Jun 2002	142	68	138	237
Dec 2002	178	87	169	299
Jun 2003	235	98	217	378
Dec 2003	274	110	246	432
Jun 2004	298	129	281	485
Dec 2004	352	147	312	552
Jun 2005	758	227	779	1,270
Dec 2005	820	242	835	1,347
Jun 2006	833	254	814	1,326
Dec 2006	857	279	880	1,394
Jun 2007	857	282	860	1,360

For data through December 2004, only those providers with at least 250 lines per state were required to file. Some historical data have been revised.

¹ All other includes SDSL, traditional wireline, fiber, satellite, fixed and mobile wireless, and power line.

Chart 11
Historical Number of Reporting Providers of High-Speed Lines by Technology

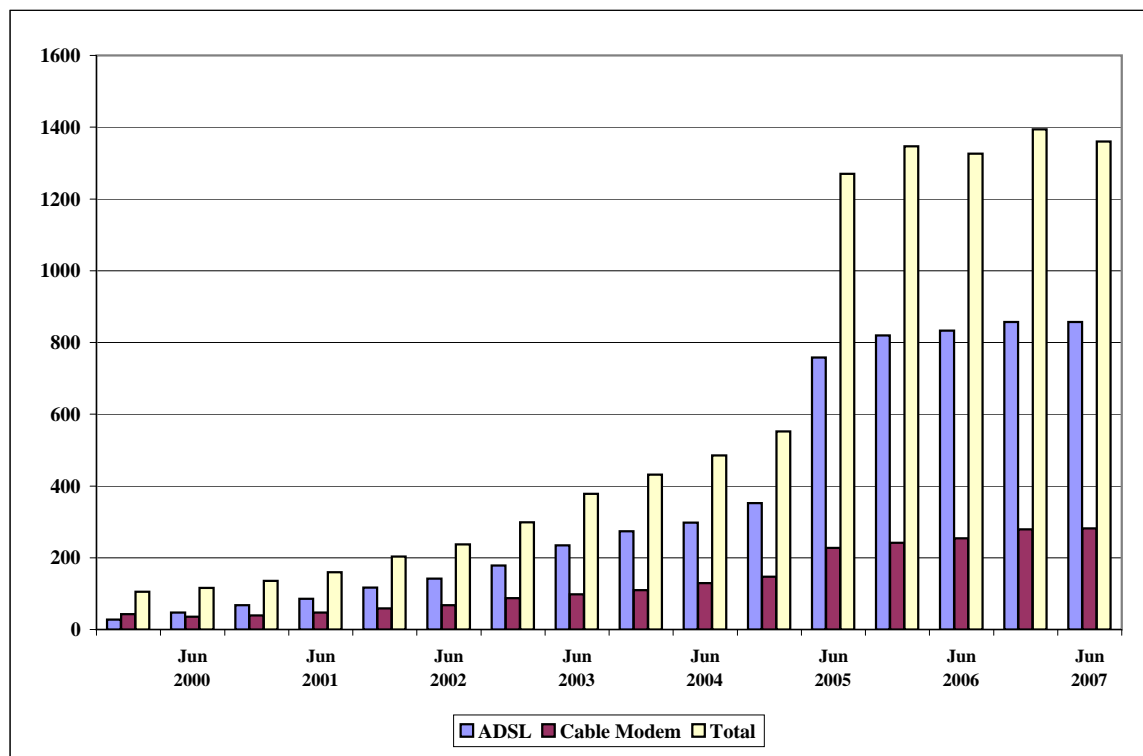


Table 8
Providers of High-Speed Lines by Technology as of June 30, 2007
(Over 200 kbps in at least one direction)

State	ADSL	SDSL	Traditional Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total (Unduplicated)
Alabama	30	9	16	18	7	*	6	4	*	63
Alaska	9	4	4	*	*	*	7	*	0	18
American Samoa	*	*	0	0	0	0	0	0	0	*
Arizona	22	9	17	9	10	*	12	5	0	55
Arkansas	20	8	10	10	6	*	*	4	0	44
California	26	17	30	17	14	*	18	*	0	79
Colorado	28	12	15	11	9	*	18	5	0	62
Connecticut	6	8	10	6	6	*	0	4	0	27
Delaware	6	5	11	*	*	*	0	*	0	23
District of Columbia	9	8	14	*	5	*	*	*	0	28
Florida	26	14	28	11	12	*	8	4	0	65
Georgia	38	14	24	26	20	*	8	4	0	83
Guam	*	0	*	0	0	0	0	0	0	*
Hawaii	*	*	5	*	4	*	*	*	0	14
Idaho	23	5	13	7	11	*	12	*	0	45
Illinois	57	21	37	17	11	*	40	4	*	121
Indiana	42	13	24	12	17	*	25	*	*	84
Iowa	128	41	29	37	24	*	45	6	0	188
Kansas	38	19	12	24	13	*	24	4	0	81
Kentucky	30	9	12	18	11	*	10	4	0	67
Louisiana	22	8	13	10	10	*	6	5	*	50
Maine	14	8	9	5	6	*	*	*	0	27
Maryland	12	9	16	12	7	*	*	4	0	43
Massachusetts	14	10	17	7	6	*	*	*	0	38
Michigan	41	15	21	12	11	*	15	5	0	74
Minnesota	67	24	19	13	22	*	16	4	0	98
Mississippi	21	4	14	13	5	*	*	5	0	47
Missouri	40	20	17	17	11	4	24	4	*	88
Montana	17	7	9	4	5	*	10	*	0	36
Nebraska	34	15	11	15	4	*	21	4	0	65
Nevada	16	9	14	*	6	*	6	4	0	36
New Hampshire	15	9	12	5	5	*	*	*	0	31
New Jersey	15	11	22	7	8	*	*	4	0	41
New Mexico	22	6	7	6	4	*	6	4	0	38
New York	40	15	28	13	12	*	9	*	0	73
North Carolina	33	18	20	13	11	*	8	5	0	65
North Dakota	23	13	12	7	9	*	11	*	0	40
Northern Mariana Isl.	*	0	*	0	*	0	*	0	0	*
Ohio	40	18	24	19	17	*	16	4	*	86
Oklahoma	40	9	20	10	6	*	17	4	0	72
Oregon	38	9	15	8	12	*	11	*	0	61
Pennsylvania	44	17	30	19	16	*	8	4	0	78
Puerto Rico	4	0	7	*	*	*	*	*	0	14
Rhode Island	9	8	9	*	5	*	0	*	0	20
South Carolina	24	6	18	14	10	*	*	4	0	43
South Dakota	25	9	9	8	9	4	8	*	0	43
Tennessee	29	14	15	12	8	*	7	4	0	62
Texas	63	26	33	24	18	*	48	6	0	135
Utah	17	12	9	*	8	*	10	4	0	39
Vermont	12	6	10	*	*	*	*	*	0	24
Virgin Islands	*	*	*	0	0	*	*	*	0	7
Virginia	26	12	23	14	14	*	13	4	*	66
Washington	30	11	19	14	16	*	19	*	*	66
West Virginia	11	*	8	7	*	*	*	*	0	27
Wisconsin	54	17	16	14	11	*	18	4	0	83
Wyoming	12	6	7	*	5	*	8	*	0	30
Nationwide	857	239	244	282	247	5	479	19	6	1,360

* Indicates one to three providers.

Table 9
High-Speed Lines by Technology as of June 30, 2007
(Over 200 kbps in at least one direction)

State	ADSL	SDSL	Traditional Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total
Alabama	356,732	5,483	10,528	374,029	1,050	*	662	*	*	1,117,951
Alaska	63,708	8,673	483	*	*	*	8,269	*	0	156,187
American Samoa	*	*	0	0	0	0	0	0	0	*
Arizona	405,724	1,491	12,630	850,307	1,996	*	17,122	*	0	2,192,644
Arkansas	226,842	1,406	3,018	205,349	2,254	*	*	*	0	528,653
California	4,582,000	32,731	145,031	3,410,983	194,514	*	60,899	*	0	14,446,700
Colorado	529,504	2,810	16,060	560,557	1,285	*	21,864	*	0	1,827,860
Connecticut	*	3,414	5,964	513,211	2,860	*	0	*	0	1,546,724
Delaware	*	151	1,901	*	*	*	0	*	0	353,763
District of Columbia	*	2,462	2,675	*	704	*	*	*	0	337,897
Florida	1,960,025	8,186	54,413	2,344,445	*	*	*	*	0	6,349,084
Georgia	1,218,885	6,472	33,415	802,047	2,793	*	3,797	*	0	3,091,055
Guam	*	0	*	0	0	0	0	0	0	*
Hawaii	*	*	813	*	329	*	*	*	0	486,337
Idaho	129,188	340	1,507	116,273	635	*	34,905	*	0	483,049
Illinois	1,299,358	11,815	35,976	1,465,869	21,020	*	28,822	*	*	4,305,351
Indiana	566,103	3,855	11,042	410,438	34,449	*	10,834	*	*	1,809,728
Iowa	270,101	4,244	3,151	267,712	5,633	*	14,802	*	0	826,096
Kansas	216,800	4,568	5,555	351,371	3,474	*	13,303	*	0	869,111
Kentucky	340,350	4,352	7,208	383,593	2,513	*	2,100	*	0	959,771
Louisiana	306,283	3,693	9,265	446,485	14,266	*	2,171	*	*	1,087,384
Maine	106,037	3,179	5,083	169,458	2,684	*	*	*	0	349,868
Maryland	512,156	9,180	16,776	829,473	*	*	*	*	0	2,172,295
Massachusetts	*	6,273	16,986	1,088,170	*	*	*	*	0	2,660,501
Michigan	668,725	4,408	22,575	1,197,105	9,033	*	6,655	*	0	2,966,289
Minnesota	449,452	21,562	7,114	570,448	6,961	*	27,403	*	0	1,578,290
Mississippi	180,281	184	4,645	151,539	623	*	*	*	0	399,571
Missouri	618,302	5,653	12,129	473,449	4,731	*	7,512	*	*	1,564,371
Montana	95,790	2,549	876	74,246	286	*	7,653	*	0	346,230
Nebraska	124,126	3,135	1,081	238,019	527	*	10,866	*	0	537,693
Nevada	207,051	1,565	6,422	*	1,810	*	10,997	*	0	1,059,761
New Hampshire	98,113	2,427	4,908	234,466	*	*	*	*	0	544,115
New Jersey	731,487	5,561	17,592	1,473,709	*	*	*	*	0	4,150,053
New Mexico	179,856	401	1,867	117,336	424	*	2,518	*	0	544,706
New York	1,178,637	22,270	26,764	3,164,178	*	*	507	*	0	6,797,126
North Carolina	725,396	24,100	21,531	1,134,075	5,683	*	*	*	0	2,894,042
North Dakota	51,096	3,288	382	76,353	5,508	*	4,873	*	0	144,994
Northern Mariana Isl.	*	0	*	0	*	0	*	0	0	*
Ohio	945,096	4,722	18,124	1,405,899	15,876	*	13,573	*	*	3,956,535
Oklahoma	301,523	3,109	4,637	347,813	4,241	*	3,324	*	0	780,533
Oregon	338,765	7,844	6,121	489,902	23,118	*	21,293	*	0	1,285,947
Pennsylvania	1,125,794	18,768	18,624	1,271,157	*	*	1,214	*	0	4,120,573
Puerto Rico	*	0	3,880	*	*	*	*	*	0	332,671
Rhode Island	*	1,078	1,799	*	*	*	0	*	0	416,053
South Carolina	322,858	92	12,527	459,110	7,684	*	*	*	0	1,308,281
South Dakota	45,772	3,895	252	100,903	2,724	*	4,878	*	0	164,627
Tennessee	446,551	912	24,648	662,520	9,890	*	354	*	0	2,036,625
Texas	2,180,827	13,629	37,066	2,081,963	169,821	*	72,403	*	0	6,855,680
Utah	249,683	5,454	3,947	*	1,907	*	21,252	*	0	818,665
Vermont	68,041	936	2,273	*	*	*	*	*	0	193,151
Virgin Islands	*	*	*	0	0	*	*	*	0	16,014
Virginia	547,941	5,052	18,940	906,252	100,609	*	9,507	*	*	2,689,907
Washington	569,397	7,688	10,799	862,049	19,849	*	45,664	*	*	2,481,537
West Virginia	123,645	*	2,193	155,867	*	*	*	*	0	306,449
Wisconsin	443,296	13,977	15,225	636,675	10,838	*	8,624	*	0	1,459,607
Wyoming	49,933	1,657	190	*	294	*	3,445	*	0	205,711
Nationwide	27,516,171	319,932	708,722	34,408,553	1,402,652	668,803	586,141	35,305,253	5,420	100,921,647

* Data withheld to maintain firm confidentiality.

Table 10
High-Speed Lines by State
(Over 200 kbps in at least one direction)

State	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
Alabama	86,234	172,365	283,946	350,691	455,300	531,976	615,510	898,850	1,117,951
Alaska	20,906	46,791	61,121	88,076	95,761	109,484	125,005	145,008	156,187
American Samoa	0	0	0	*	*	*	*	*	*
Arizona	154,883	305,304	441,227	618,677	809,819	1,039,445	1,392,711	1,832,564	2,192,644
Arkansas	40,803	84,061	128,100	188,185	258,270	302,881	363,933	431,530	528,653
California	1,639,921	2,527,275	3,378,373	4,608,822	5,954,876	7,337,217	9,395,265	11,894,864	14,446,700
Colorado	142,295	238,702	338,083	515,081	688,189	882,669	1,165,853	1,489,091	1,827,860
Connecticut	146,266	233,277	364,371	516,039	679,891	807,796	1,024,053	1,262,569	1,546,724
Delaware	12,158	35,941	54,272	74,732	108,554	132,399	157,648	273,734	353,763
District of Columbia	28,861	44,266	58,800	83,213	113,086	139,594	200,221	268,008	337,897
Florida	634,703	1,103,236	1,634,552	2,236,963	2,958,350	3,537,720	4,408,427	5,346,321	6,349,084
Georgia	285,637	494,263	748,016	1,039,440	1,328,956	1,610,750	2,054,171	2,547,165	3,091,055
Guam	0	0	0	*	*	*	*	*	*
Hawaii	*	*	*	*	*	*	294,612	417,674	486,337
Idaho	20,233	43,119	64,353	99,845	149,023	167,926	202,521	381,283	483,049
Illinois	325,085	525,817	840,632	1,270,907	1,817,481	2,159,932	2,666,304	3,538,857	4,305,351
Indiana	77,617	156,375	233,679	515,812	742,667	922,569	1,191,752	1,417,112	1,809,728
Iowa	72,583	102,932	162,257	229,811	325,701	394,359	446,187	657,102	826,096
Kansas	101,478	149,415	248,405	322,742	419,384	470,287	595,979	728,569	869,111
Kentucky	39,297	90,284	121,594	300,704	408,184	508,198	629,538	774,736	959,771
Louisiana	121,685	207,257	315,682	420,917	536,934	508,009	730,203	892,835	1,087,384
Maine	37,888	61,069	85,212	123,739	176,396	214,599	248,440	306,006	349,868
Maryland	171,423	306,504	458,128	655,588	899,640	1,120,826	1,492,484	1,813,960	2,172,295
Massachusetts	342,643	566,796	802,423	1,004,229	1,213,640	1,431,925	1,811,845	2,243,742	2,660,501
Michigan	389,441	531,524	729,113	946,819	1,336,312	1,557,918	1,917,892	2,430,869	2,966,289
Minnesota	143,819	269,433	394,982	561,411	716,826	855,752	1,057,576	1,312,900	1,578,290
Mississippi	21,185	57,168	95,628	139,429	191,675	219,552	262,671	332,307	399,571
Missouri	120,863	220,477	362,040	537,343	704,273	811,837	1,016,732	1,275,123	1,564,371
Montana	10,446	17,969	28,023	57,650	90,583	112,662	139,946	264,121	346,230
Nebraska	55,188	92,849	141,172	199,282	253,968	305,120	355,013	470,118	537,693
Nevada	78,076	137,407	209,028	290,518	401,932	474,019	614,151	792,950	1,059,761
New Hampshire	55,241	85,697	118,304	168,000	236,817	268,128	302,957	443,207	544,115
New Jersey	394,198	654,235	924,835	1,194,557	1,605,301	1,989,803	2,654,674	3,392,607	4,150,053
New Mexico	20,099	44,462	71,355	115,147	174,534	204,054	252,361	422,964	544,706
New York	811,386	1,364,556	1,891,457	2,349,956	3,067,983	3,660,500	4,854,803	5,669,523	6,797,126
North Carolina	205,100	461,378	680,828	965,761	1,222,648	1,482,930	1,914,822	2,366,079	2,894,042
North Dakota	6,277	14,164	25,474	39,274	86,274	96,314	108,476	131,348	144,994
Northern Mariana Isl.	0	0	0	0	0	*	*	*	*
Ohio	354,258	575,756	817,020	1,152,300	1,601,981	1,932,269	2,461,379	3,200,543	3,956,535
Oklahoma	90,147	148,006	231,106	331,605	444,777	502,984	569,398	657,940	780,533
Oregon	91,457	197,778	316,300	437,040	558,489	688,487	860,385	1,060,386	1,285,947
Pennsylvania	249,119	501,950	755,947	1,123,876	1,578,981	1,999,118	2,646,898	3,374,313	4,120,573
Puerto Rico	*	*	32,063	43,091	66,484	118,268	169,917	251,163	332,671
Rhode Island	48,258	71,463	104,444	141,981	185,415	221,901	276,141	349,994	416,053
South Carolina	96,839	175,088	262,868	354,877	464,315	549,019	646,344	1,041,762	1,308,281
South Dakota	5,448	12,555	22,016	34,026	112,506	124,243	138,621	154,738	164,627
Tennessee	151,706	293,516	413,476	534,597	682,369	847,025	1,153,432	1,574,022	2,036,625
Texas	614,704	1,015,245	1,571,250	2,203,490	2,943,487	3,467,504	4,357,437	5,554,547	6,855,680
Utah	54,005	92,623	133,467	196,590	259,150	313,854	471,137	638,618	818,665
Vermont	16,230	29,990	39,773	56,033	82,279	95,901	108,622	170,245	193,151
Virgin Islands	*	*	*	*	2,183	2,967	7,226	11,139	16,014
Virginia	202,663	348,716	553,635	817,881	1,117,591	1,367,465	1,792,817	2,197,693	2,689,907
Washington	227,066	422,348	577,378	775,027	1,000,412	1,219,631	1,575,375	2,015,564	2,481,537
West Virginia	16,697	58,209	90,173	127,283	178,323	205,984	245,669	268,746	306,449
Wisconsin	127,172	256,735	401,565	564,670	731,934	859,114	1,034,646	1,253,335	1,459,607
Wyoming	*	10,990	17,507	35,464	55,905	70,574	83,086	156,940	205,711
Nationwide	9,241,996	15,787,647	22,995,444	31,950,574	42,517,810	51,218,145	65,270,912	82,809,845	100,921,647

* Data withheld to maintain firm confidentiality.
Some historical data have been revised.

Table 11
ADSL High-Speed Lines by State
(Over 200 kbps in at least one direction)

State	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
Alabama	*	45,350	70,639	112,059	177,196	220,657	268,970	314,640	356,732
Alaska	*	11,337	14,013	20,686	38,530	43,249	53,687	60,055	63,708
American Samoa	0	0	0	0	*	*	*	*	*
Arizona	39,828	68,280	77,368	108,735	152,937	207,727	276,261	365,228	405,724
Arkansas	*	28,477	44,801	80,981	127,445	149,878	180,883	200,129	226,842
California	735,677	1,214,543	1,715,998	2,342,186	3,078,824	3,592,220	4,001,529	4,342,556	4,582,000
Colorado	52,617	100,197	126,189	201,523	268,114	333,313	404,989	473,148	529,504
Connecticut	30,142	61,093	124,742	204,034	*	*	*	*	*
Delaware	*	*	*	10,572	*	*	*	*	*
District of Columbia	16,313	28,723	39,471	44,231	*	*	*	*	*
Florida	170,702	391,188	644,621	928,402	1,284,507	1,509,104	1,722,888	1,873,271	1,960,025
Georgia	106,649	237,922	368,372	535,088	757,720	890,128	1,008,705	1,126,082	1,218,885
Guam	0	0	0	*	*	*	*	*	*
Hawaii	*	*	*	*	*	*	*	*	*
Idaho	*	16,108	19,382	35,166	62,691	81,520	97,662	113,001	129,188
Illinois	89,080	195,560	363,733	588,906	847,522	979,709	1,094,088	1,211,763	1,299,358
Indiana	2,375	36,685	85,968	179,942	304,800	379,465	443,473	515,054	566,103
Iowa	9,532	18,751	39,386	65,580	118,777	150,890	189,178	233,039	270,101
Kansas	*	28,713	50,839	88,246	136,402	159,996	179,430	202,751	216,800
Kentucky	20,256	55,454	75,316	119,709	180,324	213,131	250,715	303,296	340,350
Louisiana	37,444	73,120	100,919	136,406	190,603	207,488	235,750	270,811	306,283
Maine	6,877	*	11,052	31,577	52,032	72,709	89,964	104,780	106,037
Maryland	51,051	95,439	126,873	192,139	305,677	379,316	450,019	489,553	512,156
Massachusetts	82,699	147,139	207,344	253,576	*	*	*	*	*
Michigan	41,428	80,588	135,360	236,310	374,861	463,373	533,835	606,616	668,725
Minnesota	51,640	86,184	115,244	159,137	227,988	276,439	330,736	394,686	449,452
Mississippi	*	*	33,650	52,892	88,252	105,874	128,585	154,179	180,281
Missouri	53,250	84,642	138,046	233,916	341,618	398,671	468,334	545,679	618,302
Montana	2,842	7,108	13,119	28,238	46,786	57,300	70,471	82,876	95,790
Nebraska	9,293	11,547	18,285	35,180	66,268	81,188	95,404	112,032	124,126
Nevada	*	24,073	47,934	74,879	116,395	139,938	168,086	190,202	207,051
New Hampshire	5,651	11,781	17,823	31,843	54,233	71,689	85,247	93,589	98,113
New Jersey	102,430	172,472	211,540	301,789	443,808	540,382	638,293	703,950	731,487
New Mexico	7,578	18,224	26,948	51,375	82,062	105,210	130,998	156,620	179,856
New York	197,135	338,229	438,241	536,980	736,769	861,452	1,002,972	1,103,960	1,178,637
North Carolina	41,332	89,680	161,642	264,248	412,991	488,533	561,102	648,001	725,396
North Dakota	*	6,575	11,593	19,412	26,841	32,000	38,729	46,346	51,096
Northern Mariana Isl.					0	*	*	*	*
Ohio	87,567	151,612	243,689	369,386	555,749	663,011	752,633	858,846	945,096
Oklahoma	31,321	50,617	78,248	129,996	189,496	222,048	246,899	277,282	301,523
Oregon	25,877	68,747	95,654	142,483	197,927	244,694	280,286	311,604	338,765
Pennsylvania	89,595	162,258	230,322	346,720	541,274	692,079	871,164	1,012,845	1,125,794
Puerto Rico	*	*	*	*	*	*	*	*	*
Rhode Island	*	*	*	*	*	*	*	*	*
South Carolina	9,704	26,184	52,667	98,583	154,666	205,529	242,548	284,892	322,858
South Dakota	1,652	4,389	8,637	15,230	20,632	26,168	32,763	39,684	45,772
Tennessee	22,902	57,984	92,777	147,922	237,180	293,915	348,344	396,928	446,551
Texas	197,668	368,796	597,447	930,997	1,300,681	1,513,639	1,733,423	1,997,483	2,180,827
Utah	23,476	47,637	65,648	95,656	129,607	160,313	189,240	222,307	249,683
Vermont	*	9,409	15,072	22,519	35,281	43,934	51,382	61,441	68,041
Virgin Islands	*	*	*	*	*	*	*	*	*
Virginia	39,114	75,524	114,797	196,568	308,947	384,243	446,448	505,285	547,941
Washington	64,812	172,652	225,377	300,804	363,796	427,451	491,409	533,668	569,397
West Virginia	*	*	*	*	53,292	69,390	86,507	104,637	123,645
Wisconsin	17,800	42,052	84,100	159,167	243,370	298,111	359,530	417,510	443,296
Wyoming	*	*	5,503	13,510	23,769	33,030	38,541	44,347	49,933
Nationwide	2,693,834	5,101,493	7,675,114	11,398,199	16,316,309	19,515,483	22,584,255	25,412,883	27,516,171

* Data withheld to maintain firm confidentiality.
Some historical data have been revised.

Table 12
Coaxial Cable High-Speed Lines by State
(Over 200 kbps in at least one direction)

State	2001	2002	2003	2004	2005		2006		2007
	Jun	Jun	Jun	Jun	Jun	Dec	Jun	Dec	Jun
Alabama	47,325	104,990	181,338	206,208	257,225	285,177	310,548	342,340	374,029
Alaska	0	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0
Arizona	*	194,431	319,272	457,869	583,897	679,284	761,419	838,455	850,307
Arkansas	*	*	*	95,528	117,953	137,105	148,940	183,503	205,349
California	609,174	1,013,503	1,395,435	1,929,080	2,467,232	2,734,659	2,956,932	3,155,718	3,410,983
Colorado	*	*	181,766	280,909	383,154	433,184	476,463	523,159	560,557
Connecticut	106,019	160,913	227,658	299,176	372,346	403,723	441,092	454,348	513,211
Delaware	*	*	*	*	*	*	*	*	*
District of Columbia	*	*	*	*	*	*	*	*	*
Florida	372,190	595,806	867,513	1,171,641	1,559,592	1,757,875	1,939,409	2,178,484	2,344,445
Georgia	109,922	183,886	289,922	407,038	522,800	583,884	649,583	742,552	802,047
Guam	0	0	0	0	0	0	0	0	0
Hawaii	*	*	*	*	*	*	*	*	*
Idaho	*	*	*	*	78,185	73,528	75,185	108,595	116,273
Illinois	144,872	242,394	383,069	589,025	841,737	955,518	1,042,272	1,332,023	1,465,869
Indiana	56,441	98,414	122,338	304,866	397,481	445,420	490,020	370,200	410,438
Iowa	59,253	77,592	111,748	151,299	186,821	219,803	225,190	234,266	267,712
Kansas	74,337	111,615	181,437	209,233	258,856	272,660	316,866	320,638	351,371
Kentucky	*	12,867	23,672	154,567	217,302	269,274	306,487	333,339	383,593
Louisiana	64,219	115,198	189,920	257,405	328,675	254,819	378,613	419,735	446,485
Maine	*	*	*	*	116,203	132,075	145,831	152,291	169,458
Maryland	97,466	181,864	306,442	433,754	546,576	592,283	637,405	781,120	829,473
Massachusetts	243,670	391,391	564,961	704,956	826,351	885,578	954,812	1,044,333	1,088,170
Michigan	301,842	402,642	543,336	656,263	891,842	953,786	1,019,338	1,103,040	1,197,105
Minnesota	80,259	166,323	255,988	358,477	440,726	493,783	518,063	541,116	570,448
Mississippi	*	27,872	50,234	72,271	95,805	104,363	114,140	135,965	151,539
Missouri	51,733	110,026	191,658	266,493	323,270	353,331	400,808	444,118	473,449
Montana	*	*	*	22,856	35,625	45,442	54,056	65,238	74,246
Nebraska	37,168	73,306	111,903	142,555	177,074	200,600	218,335	239,465	238,019
Nevada	*	*	*	*	*	*	*	*	*
New Hampshire	*	*	95,612	129,024	176,033	188,212	201,873	209,781	234,466
New Jersey	*	454,750	690,620	862,834	1,107,751	1,205,182	1,312,433	1,385,953	1,473,709
New Mexico	*	*	38,004	56,369	78,035	89,003	100,157	108,906	117,336
New York	564,423	967,949	1,401,322	1,752,189	2,216,153	2,444,565	2,765,476	2,967,028	3,164,178
North Carolina	115,949	313,884	454,272	623,414	762,203	861,990	963,651	1,040,513	1,134,075
North Dakota	*	*	10,066	14,428	50,781	54,772	57,722	70,878	76,353
Northern Mariana Isl.					0	0	0	0	0
Ohio	213,606	363,675	508,458	709,145	961,119	1,064,948	1,184,924	1,303,470	1,405,899
Oklahoma	*	*	*	*	233,993	261,585	284,184	312,500	347,813
Oregon	*	*	197,794	262,513	335,847	375,351	407,195	452,517	489,902
Pennsylvania	131,119	300,840	482,471	724,101	962,149	1,074,912	1,164,080	1,255,720	1,271,157
Puerto Rico	0	0	*	*	*	*	*	*	*
Rhode Island	*	*	*	*	*	*	*	*	*
South Carolina	68,487	126,598	185,083	228,648	290,233	326,370	368,338	417,584	459,110
South Dakota	*	*	9,156	12,114	83,667	88,812	92,860	100,155	100,903
Tennessee	96,119	199,121	277,579	340,883	422,063	460,235	506,143	601,889	662,520
Texas	328,900	577,233	888,595	1,162,797	1,467,804	1,617,513	1,692,433	1,944,069	2,081,963
Utah	*	*	*	*	*	*	*	*	*
Vermont	*	*	*	*	*	*	*	*	*
Virgin Islands	0	0	0	0	0	0	0	0	0
Virginia	131,553	238,300	404,616	579,580	748,694	817,100	892,955	877,235	906,252
Washington	*	217,644	313,915	426,487	585,125	660,159	725,832	806,126	862,049
West Virginia	*	48,858	73,263	97,463	117,538	128,133	145,450	144,569	155,867
Wisconsin	*	189,585	287,519	371,106	446,840	497,262	542,881	591,981	636,675
Wyoming	*	*	*	*	*	*	*	*	*
Nationwide	5,184,141	9,172,895	13,684,225	18,592,636	24,017,442	26,558,206	29,174,494	31,981,705	34,408,553

* Data withheld to maintain firm confidentiality.
Some historical data have been revised.

Table 13
High-Speed Lines by Type of End User as of June 30, 2007
(Over 200 kbps in at least one direction)

State	Residential	Business	Total
Alabama	718,686	399,265	1,117,951
Alaska	132,870	23,317	156,187
American Samoa	*	*	*
Arizona	1,333,095	859,549	2,192,644
Arkansas	459,257	69,396	528,653
California	8,727,780	5,718,920	14,446,700
Colorado	1,162,337	665,523	1,827,860
Connecticut	974,624	572,100	1,546,724
Delaware	200,239	153,524	353,763
District of Columbia	163,968	173,929	337,897
Florida	4,548,288	1,800,796	6,349,084
Georgia	2,022,505	1,068,550	3,091,055
Guam	*	*	*
Hawaii	306,910	179,427	486,337
Idaho	275,666	207,383	483,049
Illinois	2,943,747	1,361,604	4,305,351
Indiana	1,054,016	755,712	1,809,728
Iowa	531,037	295,059	826,096
Kansas	642,058	227,053	869,111
Kentucky	722,888	236,883	959,771
Louisiana	810,519	276,865	1,087,384
Maine	270,313	79,555	349,868
Maryland	1,516,557	655,738	2,172,295
Massachusetts	1,705,007	955,494	2,660,501
Michigan	1,954,325	1,011,964	2,966,289
Minnesota	1,052,320	525,970	1,578,290
Mississippi	325,461	74,110	399,571
Missouri	1,195,717	368,654	1,564,371
Montana	166,819	179,411	346,230
Nebraska	370,930	166,763	537,693
Nevada	736,004	323,757	1,059,761
New Hampshire	342,189	201,926	544,115
New Jersey	2,361,052	1,789,001	4,150,053
New Mexico	307,519	237,187	544,706
New York	4,590,879	2,206,247	6,797,126
North Carolina	1,877,677	1,016,365	2,894,042
North Dakota	129,193	15,801	144,994
Northern Mariana Isl.	*	*	*
Ohio	2,409,776	1,546,759	3,956,535
Oklahoma	681,017	99,516	780,533
Oregon	886,110	399,837	1,285,947
Pennsylvania	2,505,015	1,615,558	4,120,573
Puerto Rico	275,840	56,831	332,671
Rhode Island	258,772	157,281	416,053
South Carolina	761,919	546,362	1,308,281
South Dakota	145,375	19,252	164,627
Tennessee	1,121,831	914,794	2,036,625
Texas	4,995,235	1,860,445	6,855,680
Utah	454,577	364,088	818,665
Vermont	118,146	75,005	193,151
Virgin Islands	14,697	1,317	16,014
Virginia	1,616,838	1,073,069	2,689,907
Washington	1,525,681	955,856	2,481,537
West Virginia	275,845	30,604	306,449
Wisconsin	1,119,172	340,435	1,459,607
Wyoming	101,092	104,619	205,711
Nationwide	65,904,499	35,017,148	100,921,647

* Data withheld to maintain firm confidentiality.

Table 14

Percentage of Residential End-User Premises with Access to High-Speed Services as of June 30, 2007

State	xDSL Availability Where ILECs Offer Local Telephone Service	Cable Modem Availability Where Cable Systems Offer Cable TV Service
Alabama	75%	92%
Alaska	76%	*
American Samoa	*	0%
Arizona	82%	99%
Arkansas	75%	73%
California	89%	98%
Colorado	87%	96%
Connecticut	*	100%
Delaware	*	*
District of Columbia	*	*
Florida	89%	97%
Georgia	91%	90%
Guam	*	0%
Hawaii	*	*
Idaho	76%	99%
Illinois	83%	98%
Indiana	79%	94%
Iowa	85%	89%
Kansas	83%	91%
Kentucky	87%	90%
Louisiana	79%	96%
Maine	68%	93%
Maryland	75%	99%
Massachusetts	*	99%
Michigan	72%	98%
Minnesota	85%	94%
Mississippi	72%	91%
Missouri	79%	97%
Montana	78%	88%
Nebraska	88%	94%
Nevada	90%	*
New Hampshire	61%	99%
New Jersey	87%	100%
New Mexico	78%	77%
New York	77%	99%
North Carolina	85%	96%
North Dakota	88%	83%
Northern Mariana Isl.	*	0%
Ohio	84%	98%
Oklahoma	80%	90%
Oregon	83%	95%
Pennsylvania	83%	94%
Puerto Rico	*	*
Rhode Island	*	*
South Carolina	79%	93%
South Dakota	78%	73%
Tennessee	81%	96%
Texas	79%	96%
Utah	87%	*
Vermont	66%	*
Virgin Islands	*	0%
Virginia	66%	95%
Washington	82%	96%
West Virginia	73%	85%
Wisconsin	81%	96%
Wyoming	80%	*
Nationwide	82%	96%

* Data withheld to maintain firm confidentiality.

xDSL includes both asymmetric and symmetric DSL. Each state-specific estimate is a weighted average of the availability percentages that ILECs or cable system operators report for the areas they serve. Reported xDSL availability is weighted by ILEC end-user switched access lines. Reported cable modem availability is weighted by cable TV subscribers. The weighted averages include ILECs or cable system operators that report no availability.

Table 15
Percentage of Zip Codes with High-Speed Lines in Service

Number of Providers	2000		2001		2002		2003		2004		2005		2006		2007
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Zero	33.0 %	26.8 %	22.2 %	20.6 %	16.1 %	12.0 %	9.0 %	6.8 %	5.7 %	4.6 %	2.0 %	1.0 %	0.7 %	0.4 %	0.1 %
One	25.9	22.7	20.3	19.3	18.4	17.3	16.4	14.9	13.8	12.5	9.3	5.6	3.7	2.4	0.9
Two	17.8	18.4	16.7	15.7	16.2	16.8	16.9	17.1	16.8	16.3	14.1	11.9	8.2	5.7	3.5
Three	9.2	10.9	13.2	13.1	13.3	14.4	14.0	14.9	14.9	15.1	15.0	14.8	11.3	8.9	7.0
Four	4.9	6.1	8.2	9.1	9.6	10.3	10.6	11.2	11.6	12.2	12.6	13.5	12.9	11.4	11.1
Five	3.4	4.0	4.9	6.1	6.9	7.3	7.7	7.8	8.4	8.9	9.7	10.3	12.2	12.5	13.6
Six	2.5	3.0	3.6	4.2	4.6	5.0	5.3	5.8	6.1	6.3	6.8	7.8	10.4	11.7	13.0
Seven	1.7	2.3	2.8	3.2	3.2	3.9	4.0	4.2	4.4	4.6	5.3	5.7	8.7	10.0	11.6
Eight	0.8	2.0	2.2	2.5	2.8	2.7	3.1	3.3	3.6	3.6	4.0	4.6	7.1	8.3	9.1
Nine	0.4	1.6	1.9	2.0	2.4	2.2	2.5	2.6	2.8	3.1	3.8	4.0	5.8	6.7	7.4
Ten or More	0.4	2.4	3.9	4.0	6.4	8.0	10.5	11.4	11.8	12.8	17.5	20.7	19.1	22.0	22.7

For data through December 2004, only those providers with at least 250 lines per state were required to file. Figures may not add up to 100% due to rounding.

Chart 12
Percent of Zip Codes with High-Speed Providers

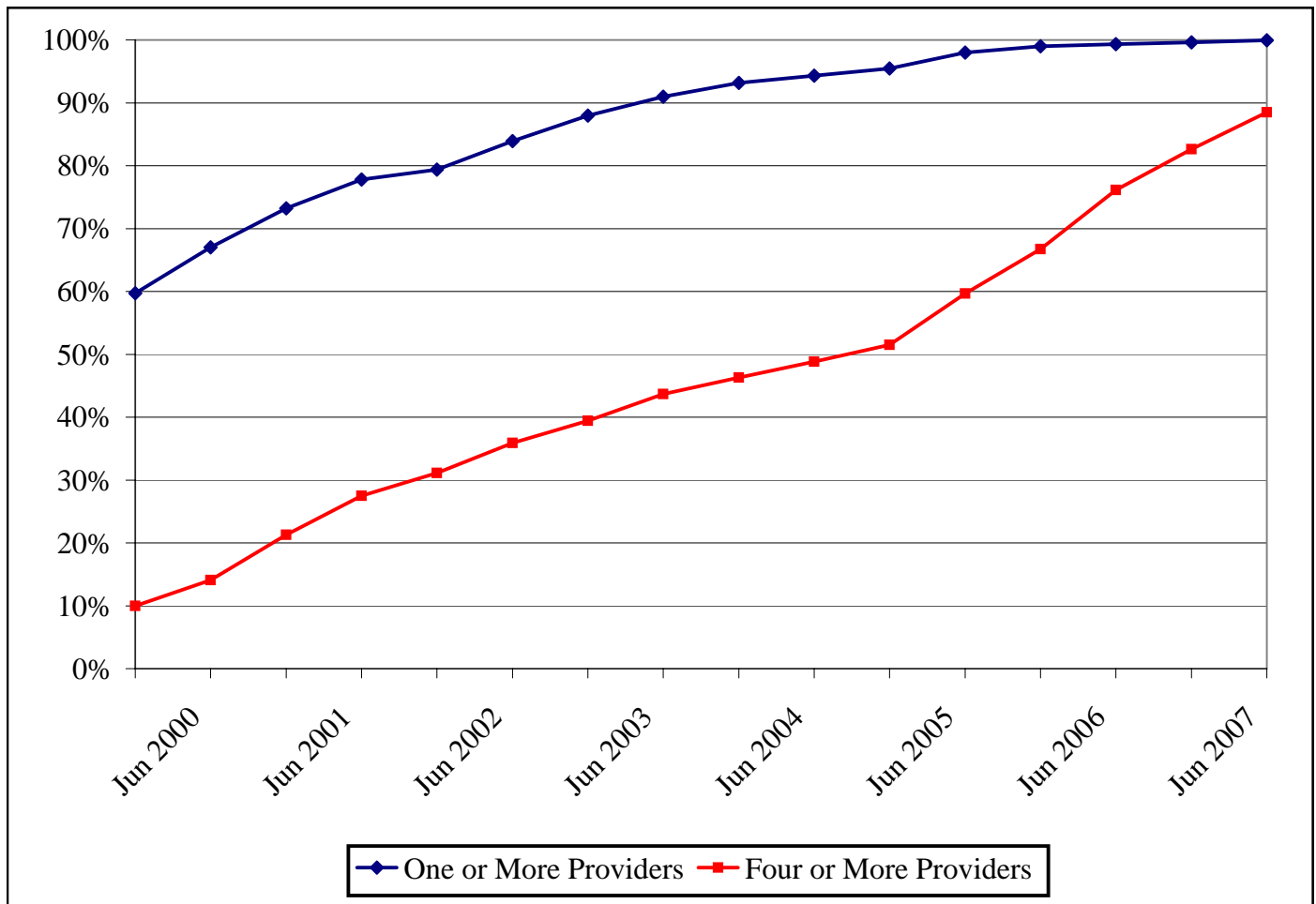


Table 16
Percentage of Zip Codes with High-Speed Lines in Service by Technology as of June 30, 2007

Technology	Number of Providers										
	Zero	One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
ADSL	15.4	37.7	19.9	10.9	7.2	4.4	2.3	1.4	0.7	0.2	0.1
SDSL	59.9	20.6	6.8	4.9	3.7	2.6	1.1	0.4	0.1	0.0	0.0
Cable Modem	34.1	56.6	8.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fiber	57.4	24.2	10.5	5.3	2.0	0.5	0.1	0.0	0.0	0.0	0.0
Satellite	8.0	26.8	42.8	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fixed Wireless	74.7	19.3	5.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Mobile Wireless	4.1	23.7	39.0	29.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0
Power Line and/or Other ¹	80.3	16.3	2.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADSL and/or Cable Modem	10.4	23.7	22.0	15.8	10.3	7.3	4.8	2.7	1.7	0.8	0.4
All Technologies	0.1	0.9	3.5	7.0	11.1	13.6	13.0	11.6	9.1	7.4	22.7

Figures may not add up to 100% due to rounding.

¹ Other includes high-speed lines provided over traditional wireline facilities such as T-carrier and also lines provided over any technology that is not specified in the table.

High-Speed Providers by 5-Digit Geographical ZIP Code

(As of June 30, 2007)

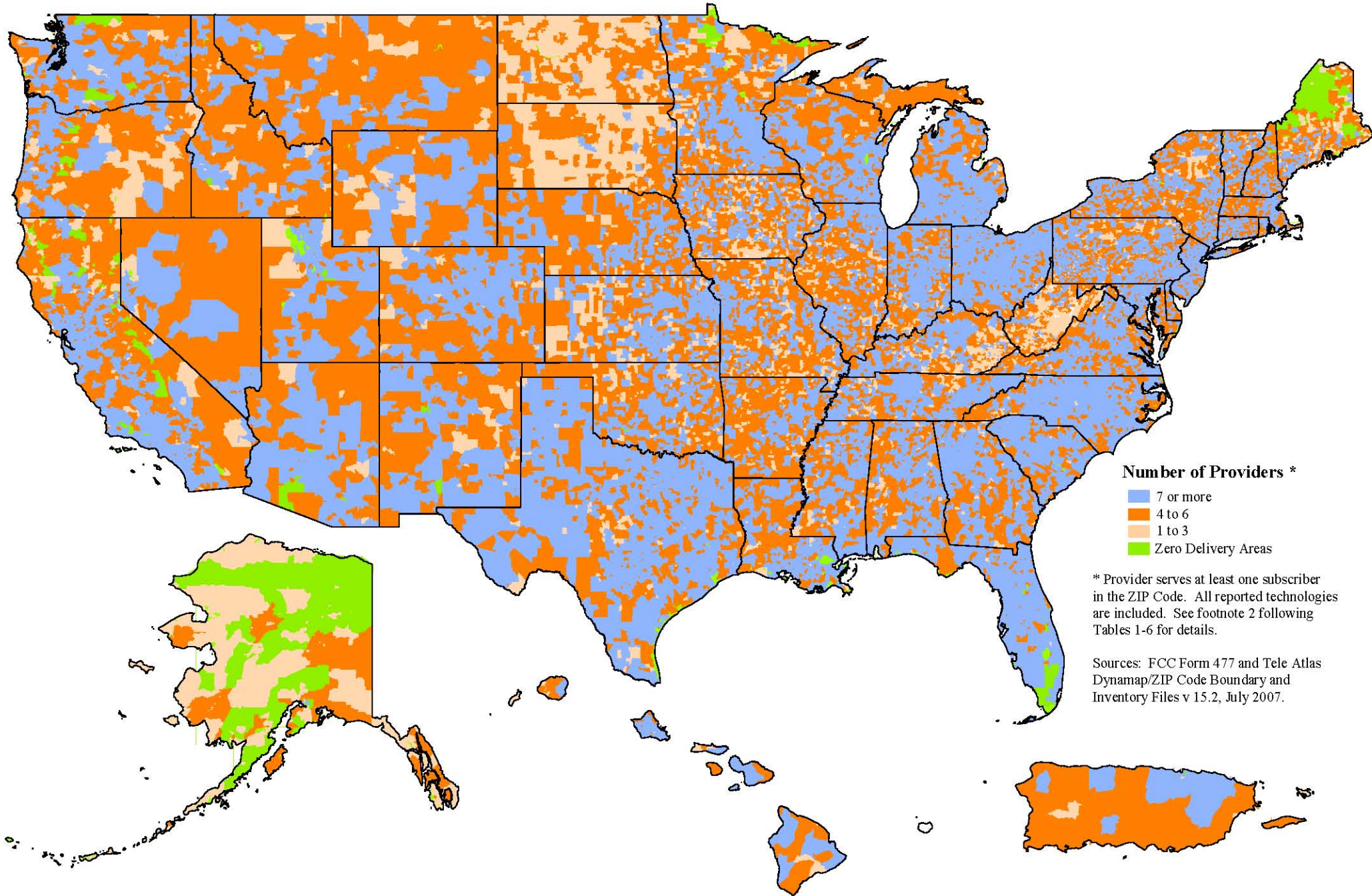


Table 17
Percentage of Zip Codes with High-Speed Lines in Service as of June 30, 2007
(Over 200 kbps in at least one direction)

	Number of Providers										
	Zero	One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
Alabama	0 %	0 %	2 %	6 %	10 %	15 %	15 %	13 %	10 %	10 %	18 %
Alaska	0	15	40	20	13	6	1	2	2	0	0
Arizona	0	0	0	1	5	12	10	9	10	8	46
Arkansas	0	0	3	9	20	24	18	8	6	6	5
California	0	0	1	5	10	10	7	7	8	8	44
Colorado	0	0	1	4	7	14	15	13	8	5	33
Connecticut	0	0	0	1	7	14	17	20	13	13	15
Delaware	0	0	0	3	10	10	26	19	10	9	12
District of Columbia	0	0	0	8	4	0	0	0	0	12	76
Florida	0	0	0	0	1	2	5	9	9	10	63
Georgia	0	0	1	3	8	13	15	13	7	7	33
Hawaii	0	0	2	10	10	17	13	17	19	10	2
Idaho	0	0	1	10	14	25	16	11	7	4	10
Illinois	0	0	2	9	13	17	15	10	8	7	19
Indiana	0	0	3	6	10	16	15	15	13	8	14
Iowa	0	3	10	14	16	17	12	10	7	3	8
Kansas	0	0	5	12	14	15	11	10	7	8	17
Kentucky	0	4	16	15	13	12	11	9	6	5	8
Louisiana	0	0	1	4	9	18	18	13	8	6	24
Maine	1	5	10	18	15	19	13	11	4	3	0
Maryland	0	0	2	4	12	18	10	9	6	4	34
Massachusetts	0	0	1	1	7	18	18	14	9	7	24
Michigan	0	0	0	3	6	11	15	15	13	9	28
Minnesota	0	0	3	12	16	15	10	10	8	5	21
Mississippi	0	0	3	6	14	20	15	9	8	7	18
Missouri	0	2	5	12	15	17	13	9	8	7	11
Montana	0	0	2	7	28	28	15	8	6	3	4
Nebraska	0	0	1	6	18	22	19	13	7	7	7
Nevada	0	0	0	3	10	16	10	13	5	9	34
New Hampshire	0	0	1	1	12	18	25	22	7	5	9
New Jersey	0	0	0	0	3	5	12	12	13	12	42
New Mexico	0	0	2	5	15	17	25	10	6	5	15
New York	0	0	2	6	13	14	15	12	9	7	20
North Carolina	0	0	0	3	6	10	12	15	11	11	32
North Dakota	0	4	26	31	24	8	3	1	1	0	1
Ohio	0	0	0	1	2	7	11	20	19	14	26
Oklahoma	0	1	4	8	17	17	13	11	10	8	11
Oregon	0	1	3	9	15	14	11	9	7	9	22
Pennsylvania	0	1	3	7	11	13	14	13	10	7	20
Puerto Rico	0	0	1	3	6	13	36	12	14	5	9
Rhode Island	0	0	1	7	7	15	12	15	14	14	16
South Carolina	0	0	0	2	6	9	12	13	12	12	33
South Dakota	0	4	23	24	19	12	8	4	2	2	2
Tennessee	0	1	4	6	9	14	11	11	9	8	27
Texas	0	0	1	2	5	8	12	14	13	10	35
Utah	0	0	3	2	9	16	15	13	7	2	33
Vermont	0	0	0	9	21	15	14	16	8	9	7
Virginia	0	0	1	5	11	15	14	14	10	7	22
Washington	0	0	1	4	12	12	11	10	8	6	36
West Virginia	2	11	18	20	17	12	9	4	3	3	1
Wisconsin	0	0	1	3	10	16	20	18	11	7	16
Wyoming	0	0	1	12	18	17	25	11	7	5	4
Nationwide	0 %	1 %	4 %	7 %	11 %	14 %	13 %	12 %	9 %	7 %	23 %

Table 18
High-Speed Subscribership
Ranked by Population Density

Persons per Square Mile ¹	Percentage of Zip Codes with at Least One High-Speed Subscriber							Percentage of Population that Resides in Zip Codes with High-Speed Service						
	Jun 2001	Jun 2002	Jun 2003	Jun 2004	Jun 2005	Jun 2006	Jun 2007	Jun 2001	Jun 2002	Jun 2003	Jun 2004	Jun 2005	Jun 2006	Jun 2007
More Than 3,147	98.1 %	98.7 %	98.9 %	98.9 %	99.3 %	99.4 %	99.7	99.9 %	99.8 %	100.0 %	99.9 %	100.0 %	99.9 %	99.9
947-3,147	97.1	98.2	98.2	98.5	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
268-947	95.6	97.5	98.4	98.5	99.2	99.4	99.7	99.5	99.9	99.9	99.9	100.0	100.0	100.0
118-268	92.3	95.2	96.9	97.7	98.8	99.2	99.3	98.8	99.5	99.7	99.8	99.9	99.8	99.9
67-118	87.5	93.0	96.4	97.6	98.6	98.8	99.0	96.8	98.5	99.4	99.6	99.8	99.8	99.7
41-67	80.9	88.0	93.8	96.4	98.2	98.9	99.4	93.0	96.3	98.5	99.1	99.4	99.5	99.6
25-41	72.8	81.0	90.4	94.3	97.6	98.4	99.0	87.3	92.2	96.9	98.2	99.2	99.4	99.5
15-25	58.9	70.0	83.3	88.5	95.7	97.1	98.1	78.4	86.5	93.3	95.6	98.6	98.9	99.2
6-15	51.1	60.9	77.3	83.5	93.7	96.5	97.7	74.6	81.9	90.3	93.8	97.7	98.5	98.9
Fewer Than 6	36.8	49.6	68.5	73.4	84.3	89.3	90.5	60.7	72.6	85.7	91.1	95.1	96.6	96.9

Table 19
High-Speed Subscribership
Ranked by Household Income

Median Household Income ¹	Percentage of Zip Codes with at Least One High-Speed Subscriber							Percentage of Population that Resides in Zip Codes with High-Speed Service						
	Jun 2001	Jun 2002	Jun 2003	Jun 2004	Jun 2005	Jun 2006	Jun 2007	Jun 2001	Jun 2002	Jun 2003	Jun 2004	Jun 2005	Jun 2006	Jun 2007
\$53,494 to \$291,938	96.4 %	97.9 %	98.5 %	98.7 %	99.0 %	99.3 %	99.4	99.8 %	99.9 %	99.9 %	99.8 %	99.8 %	99.8 %	99.8
\$43,617 to \$53,478	90.7	93.5	96.2	97.2	98.4	98.9	99.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9
\$38,396 to \$43,614	83.8	89.0	94.0	95.9	98.1	98.9	99.1	98.5	99.0	99.6	99.8	99.9	99.9	99.9
\$34,744 to \$38,395	80.0	85.0	91.5	94.2	97.4	98.6	98.7	97.9	98.7	99.3	99.7	99.8	99.8	99.9
\$32,122 to \$34,743	77.3	83.3	90.2	93.0	97.2	98.4	98.8	97.4	98.4	99.2	99.5	99.8	99.9	99.9
\$29,893 to \$32,121	73.4	80.4	89.9	92.5	97.1	98.3	98.9	96.3	97.7	99.1	99.3	99.7	99.8	99.8
\$27,542 to \$29,892	73.5	79.7	89.2	92.5	96.7	97.9	98.6	95.9	97.5	98.9	99.3	99.7	99.7	99.8
\$24,855 to \$27,541	69.6	77.2	87.1	90.9	96.3	97.8	98.6	95.2	97.0	98.5	99.0	99.6	99.6	99.8
\$21,645 to \$24,855	67.4	76.9	87.4	91.2	95.9	97.8	98.5	93.9	96.5	98.5	99.1	99.6	99.7	99.7
\$0 to \$21,644	59.1	69.2	78.3	81.3	88.3	90.6	92.0	94.1	96.3	98.1	98.8	99.3	99.5	99.5

¹ Persons per square mile and median household income are presented in decile groups. Each decile group contains 10% of the reported geographic Zip Codes for which the demographic information, as of the year 2000, is available in Demographic Power Pack, Current Year Update (2000), MapInfo Corporation.

Customer Response

Publication: *High-Speed Services for Internet Access: Status as of June 30, 2007*

You can help us provide the best possible information to the public by completing this form and returning it to the Industry Analysis and Technology Division of the FCC's Wireline Competition Bureau.

1. Please check the category that best describes you:

- press
- current telecommunications carrier
- potential telecommunications carrier
- business customer evaluating vendors/service options
- consultant, law firm, lobbyist
- other business customer
- academic/student
- residential customer
- FCC employee
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- state or local government employee
- Other (please specify)

2. Please rate the report: Excellent Good Satisfactory Poor No opinion

- | | | | | | |
|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Data accuracy | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) |
| Data presentation | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) |
| Timeliness of data | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) |
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| Text clarity | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) |
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3. Overall, how do you rate this report? Excellent Good Satisfactory Poor No opinion

- | | | | | | |
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| | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) | (<input type="checkbox"/>) |
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4. How can this report be improved?

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