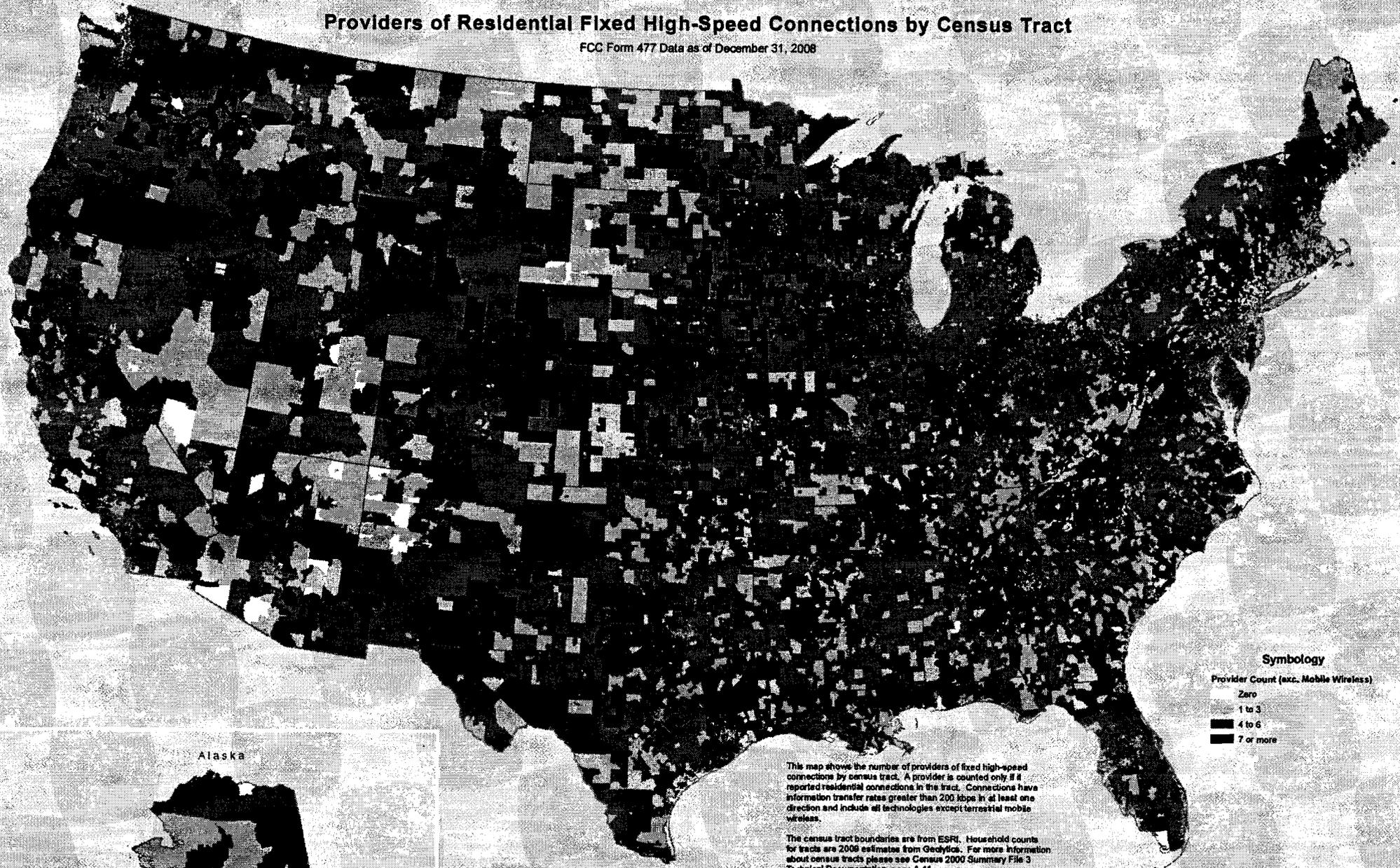


Providers of Residential Fixed High-Speed Connections by Census Tract

FCC Form 477 Data as of December 31, 2008



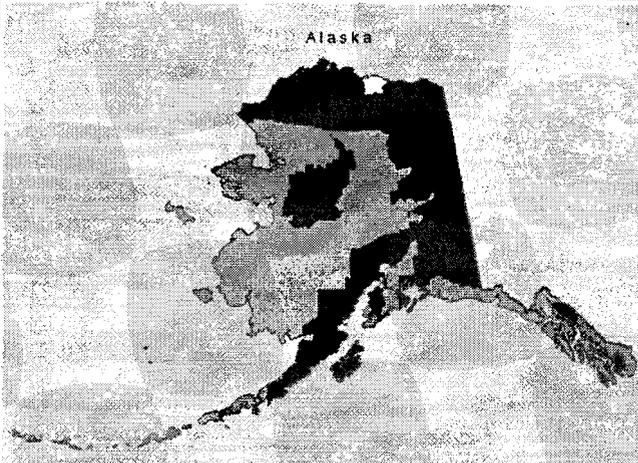
Symbology

Provider Count (exc. Mobile Wireless)

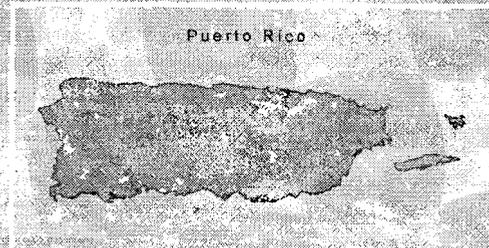
- Zero
- 1 to 3
- 4 to 6
- 7 or more

This map shows the number of providers of fixed high-speed connections by census tract. A provider is counted only if it reported residential connections in the tract. Connections have information transfer rates greater than 200 kbps in at least one direction and include all technologies except terrestrial mobile wireless.

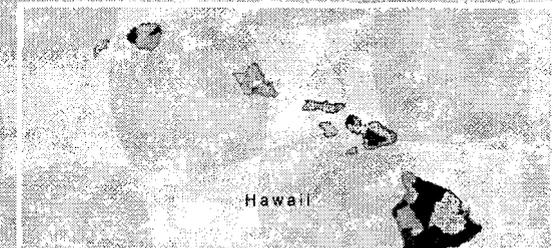
The census tract boundaries are from ESRI. Household counts for tracts are 2006 estimates from Gedytics. For more information about census tracts please see Census 2000 Summary File 3 Technical Documentation, page A-11.



Alaska



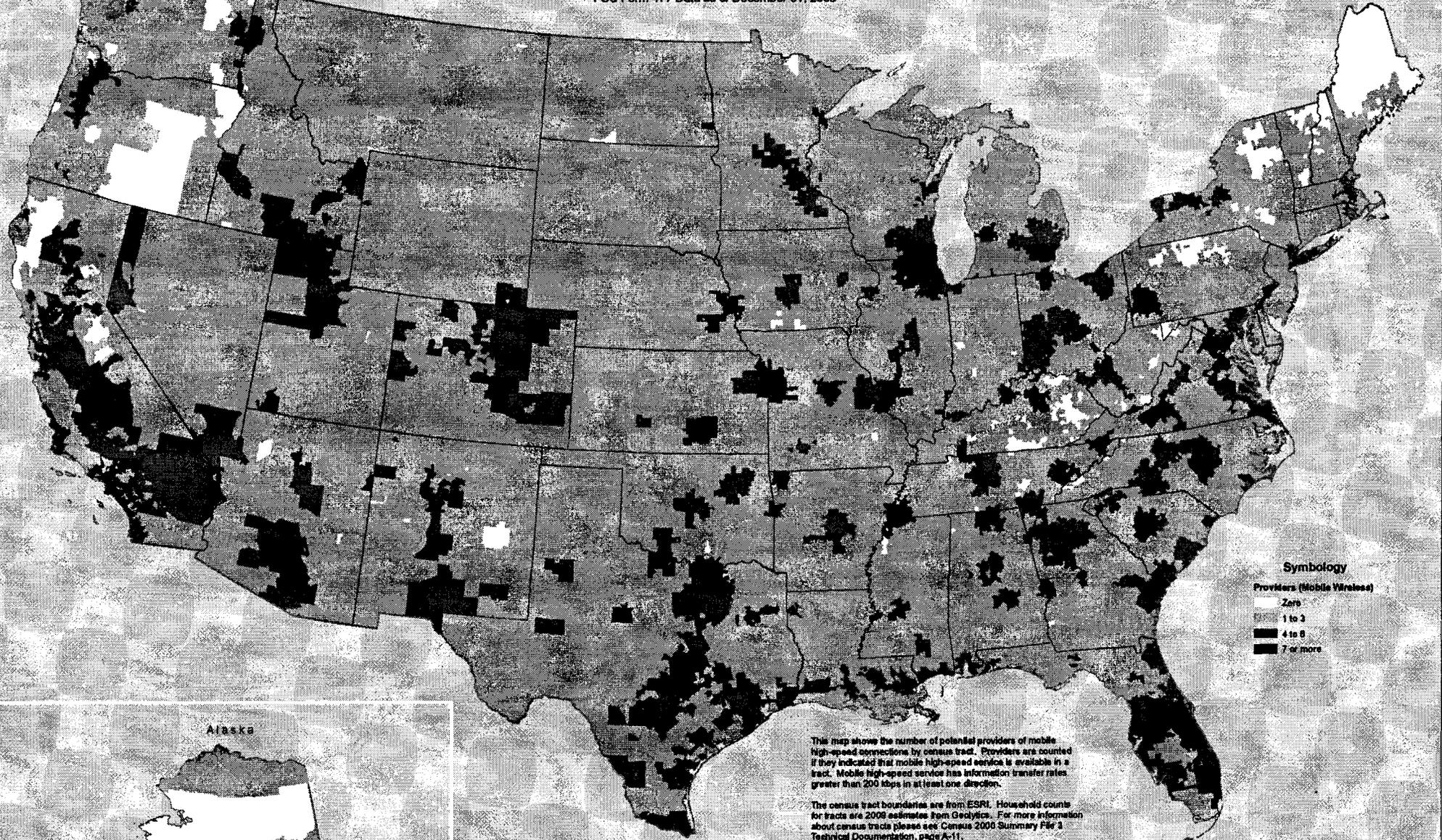
Puerto Rico



Hawaii

Providers of Mobile High-Speed Connections by Census Tract

FCC Form 477 Data as of December 31, 2008

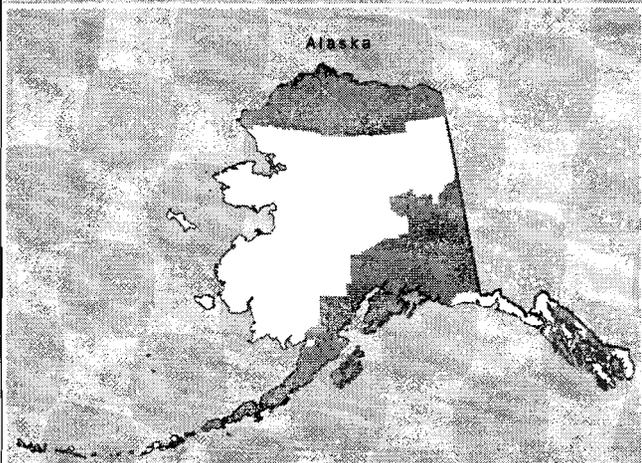


Symbology
Providers (Mobile Wireless)

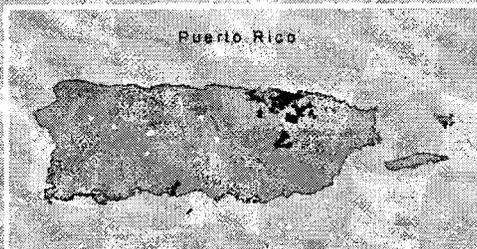
- Zero
- 1 to 3
- 4 to 6
- 7 or more

This map shows the number of potential providers of mobile high-speed connections by census tract. Providers are counted if they indicated that mobile high-speed service is available in a tract. Mobile high-speed service has information transfer rates greater than 200 kbps in at least one direction.

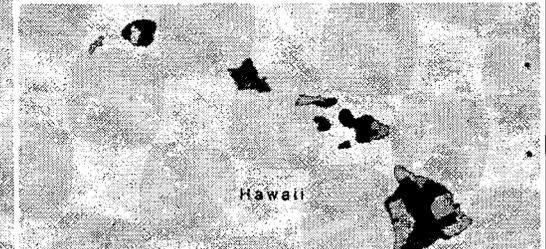
The census tract boundaries are from ESRI. Household counts for tracts are 2006 estimates from Geolytics. For more information about census tracts please see Census 2000 Summary File 3 Technical Documentation, page A-11.



Alaska



Puerto Rico



Hawaii

Table 13
Percentage of Census Tracts with Residential Fixed High-Speed Connections by Technology as of December 31, 2008
 (Connections over 200 kbps in at least one direction)

<i>Technology</i>	<i>Number of Providers</i>							
	<i>Zero</i>	<i>One</i>	<i>Two</i>	<i>Three</i>	<i>Four</i>	<i>Five</i>	<i>Six</i>	<i>Seven or More</i>
aDSL	4.3	40.7	38.4	13.4	2.7	0.4	0.1	0.0
sDSL	96.0	3.8	0.2	0.0	0.0	0.0	0.0	0.0
Other Wireline	99.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Cable Modem	8.6	79.3	11.6	0.6	0.0	0.0	0.0	0.0
FTTP	86.7	13.0	0.2	0.0	0.0	0.0	0.0	0.0
Satellite	45.2	24.6	24.5	5.6	0.0	0.0	0.0	0.0
Fixed Wireless	87.3	10.2	2.0	0.4	0.1	0.0	0.0	0.0
Power Line	99.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
aDSL and/or Cable Modem and/or FTTP	1.5	6.6	34.7	35.7	16.2	4.3	0.8	0.2
Any Technology	1.1	2.6	15.1	25.7	26.1	16.7	7.9	4.8

Note: Figures may not sum to totals due to rounding.
 Sources: FCC Form 477, Part VI and Census 2000.

Table 14
High-Speed Connections by Technology by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction, in thousands)

State	ADSL	SDSL	Other Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total
Alabama	457	4	9	460	3	*	1	281	*	1,235
Alaska	75	4	#	*	#	*	4	43	0	224
American Samoa	*	*	0	0	0	0	*	0	0	*
Arizona	466	2	*	987	2	*	20	522	0	2,033
Arkansas	273	#	*	248	1	*	1	178	0	723
California	4,617	22	*	3,994	315	*	23	3,494	0	12,649
Colorado	624	2	*	659	3	*	28	461	0	1,816
Connecticut	*	2	5	615	2	*	*	338	0	1,402
Delaware	*	#	4	*	*	*	0	77	0	330
District of Columbia	*	2	4	*	1	*	*	181	0	375
Florida	2,005	5	*	2,825	247	*	5	1,542	0	6,729
Georgia	1,242	2	*	973	16	*	#	773	0	3,065
Guam	*	*	*	*	0	0	0	*	0	25
Hawaii	*	*	1	*	1	*	*	146	0	498
Idaho	160	1	*	121	1	*	21	133	0	448
Illinois	1,503	9	*	1,591	5	*	37	1,057	0	4,265
Indiana	672	4	9	626	55	*	24	384	*	1,796
Iowa	336	3	*	330	9	*	25	115	0	837
Kansas	243	1	*	425	13	*	16	207	0	924
Kentucky	421	7	*	452	4	*	3	246	0	1,154
Louisiana	385	1	*	518	19	*	2	395	0	1,346
Maine	114	4	1	288	1	*	*	40	0	454
Maryland	471	7	24	789	*	*	#	595	0	2,193
Massachusetts	*	3	17	1,307	*	*	1	566	0	2,600
Michigan	779	8	16	1,411	4	*	17	606	*	2,881
Minnesota	544	30	*	666	14	*	20	357	0	1,662
Mississippi	229	#	*	216	1	*	#	142	0	614
Missouri	727	1	13	553	4	*	12	364	*	1,711
Montana	108	3	1	92	1	*	13	*	0	320
Nebraska	151	1	*	278	2	*	16	152	0	607

Table 14 - Continued
High-Speed Connections by Technology by State as of December 31, 2008
(Connections over 200 kbps in at least one direction, in thousands)

State	ADSL	SDSL	Other Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total
Nevada	222	1	8	*	1	*	7	257	0	918
New Hampshire	91	2	3	298	*	*	#	85	0	499
New Jersey	666	4	26	1,637	*	*	*	903	0	3,517
New Mexico	231	#	*	146	1	*	15	141	0	546
New York	1,122	17	38	4,139	*	*	3	1,708	0	7,405
North Carolina	891	1	*	1,551	5	*	1	701	0	3,203
North Dakota	62	1	*	85	10	*	5	41	0	206
Northern Mariana Isl	*	0	*	*	*	0	*	*	0	*
Ohio	1,069	9	15	1,943	6	*	20	816	*	3,910
Oklahoma	337	1	*	408	4	*	8	239	0	1,022
Oregon	371	11	*	516	54	*	7	267	0	1,252
Pennsylvania	1,232	12	23	1,807	*	*	1	871	0	4,225
Puerto Rico	*	*	3	*	#	*	*	126	0	464
Rhode Island	*	1	2	*	*	*	*	81	0	378
South Carolina	400	#	10	752	14	*	*	313	0	1,501
South Dakota	54	3	#	122	9	*	7	*	0	246
Tennessee	542	1	*	717	28	*	2	452	0	1,784
Texas	2,607	9	*	2,081	258	*	37	2,349	0	7,484
Utah	299	4	6	*	5	*	30	189	0	762
Vermont	61	*	1	71	*	*	*	*	0	168
Virgin Islands	*	*	*	0	0	*	*	*	0	21
Virginia	553	3	30	1,096	252	*	9	901	*	2,887
Washington	599	7	16	980	37	*	11	682	*	2,357
West Virginia	152	*	3	205	#	*	1	80	0	452
Wisconsin	556	16	5	810	5	*	15	306	*	1,739
Wyoming	57	2	*	64	#	*	3	43	0	175
Total	30,190	245	711	41,468	2,881	938	488	25,117	5	102,043

= Rounds to Zero.
* = Data withheld to maintain firm confidentiality.
Figures may not sum to totals due to rounding.
Source: FCC Form 477, Part I.

Table 15
Percentage of High-Speed Connections by Download Speed by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction)

State	% Over 200 kbps Downstream	Over 200 kbps Upstream and			
		% at least 768 kbps Downstream	% at least 3 mbps Downstream	% at least 6 mbps Downstream	% at least 10 mbps Downstream
Alabama	82.3	76.1	44.3	17.9	4.3
Alaska	76.0	58.9	*	*	*
American Samoa	*	*	*	*	*
Arizona	85.3	76.3	43.2	37.6	13.5
Arkansas	82.7	76.6	*	*	*
California	86.2	78.3	40.5	19.7	3.9
Colorado	87.8	77.5	44.5	39.0	1.5
Connecticut	87.9	80.8	46.5	37.5	*
Delaware	82.5	75.6	*	*	*
District of Columbia	62.6	55.7	39.6	22.6	5.0
Florida	86.0	82.2	51.8	40.3	8.6
Georgia	81.8	76.7	43.8	23.7	1.8
Guam	*	*	*	*	*
Hawaii	92.5	88.3	60.5	*	*
Idaho	81.6	72.4	35.1	*	*
Illinois	87.9	79.6	43.0	31.9	7.5
Indiana	84.3	76.2	45.8	32.6	13.9
Iowa	87.0	74.6	46.5	*	*
Kansas	83.3	77.0	42.8	33.7	3.8
Kentucky	88.5	76.7	49.3	31.2	26.2
Louisiana	85.3	81.7	39.0	*	*
Maine	86.0	82.9	69.4	57.6	4.0
Maryland	78.3	72.1	59.0	40.2	11.7
Massachusetts	81.5	76.4	65.2	46.9	11.0
Michigan	85.6	78.8	48.3	32.6	*
Minnesota	85.9	77.3	45.1	31.1	3.9
Mississippi	85.4	76.2	*	*	*
Missouri	85.4	77.4	36.6	16.8	5.2
Montana	72.9	57.9	31.7	*	*
Nebraska	81.5	71.1	45.2	*	*

Table 15 - Continued
Percentage of High-Speed Connections by Download Speed by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction)

State	Over 200 kbps Upstream and				
	% Over 200 kbps Downstream	% at least 768 kbps Downstream	% at least 3 mbps Downstream	% at least 6 mbps Downstream	% at least 10 mbps Downstream
Nevada	88.8	83.0	44.3	30.4	6.6
New Hampshire	81.1	75.7	66.8	54.6	3.7
New Jersey	80.9	75.6	64.0	53.4	35.1
New Mexico	81.1	70.3	*	*	*
New York	83.1	79.1	65.5	56.4	55.6
North Carolina	81.0	76.6	53.1	38.0	4.1
North Dakota	85.0	75.3	*	*	*
Northern Mariana Isl	*	*	*	*	*
Ohio	80.7	74.0	48.8	37.2	4.5
Oklahoma	90.2	84.8	40.2	28.0	3.0
Oregon	87.3	79.4	51.1	39.2	5.3
Pennsylvania	79.9	73.5	57.1	37.5	8.9
Puerto Rico	94.5	69.6	*	*	*
Rhode Island	85.5	80.9	*	*	*
South Carolina	80.2	75.9	54.9	33.1	3.5
South Dakota	81.0	72.6	*	*	*
Tennessee	81.2	73.5	46.6	29.0	2.9
Texas	86.3	78.1	37.6	24.3	5.2
Utah	88.6	78.5	39.5	33.2	2.9
Vermont	74.0	68.9	*	*	*
Virgin Islands	55.9	13.6	0.1	0.1	0.0
Virginia	78.8	69.5	52.6	38.0	21.5
Washington	85.7	78.5	48.0	40.6	4.8
West Virginia	83.5	75.8	*	*	*
Wisconsin	87.8	81.2	50.3	27.8	6.4
Wyoming	82.9	68.2	*	*	*
Total	84.1	77.2	48.6	33.8	11.4

* = Data withheld to maintain firm confidentiality.
 Source: FCC Form 477, Part I.

Table 16
ADSL High-Speed Connections by State 2005-2008
 (Connections over 200 kbps in at least one direction, in thousands)

State	2005		2006		2007		2008	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	177	221	269	315	357	403	431	457
Alaska	39	43	54	60	64	68	72	75
American Samoa	*	*	*	*	*	*	*	*
Arizona	153	208	276	365	406	437	454	466
Arkansas	127	150	181	200	227	249	267	273
California	3,079	3,592	4,002	4,343	4,626	4,780	4,755	4,617
Colorado	268	333	405	473	530	573	575	624
Connecticut	*	*	*	*	*	*	*	*
Delaware	*	*	*	*	*	*	*	*
District of Columbia	*	*	*	*	*	*	*	*
Florida	1,285	1,509	1,723	1,873	1,960	2,046	2,045	2,005
Georgia	758	890	1,009	1,126	1,219	1,307	1,361	1,242
Guam	*	*	*	*	*	*	*	*
Hawaii	*	*	*	*	*	*	*	*
Idaho	63	82	98	113	129	142	154	160
Illinois	848	980	1,094	1,212	1,300	1,382	1,419	1,503
Indiana	305	379	443	515	584	636	651	672
Iowa	119	151	189	233	271	298	322	336
Kansas	136	160	179	203	225	236	241	243
Kentucky	180	213	251	303	340	367	385	421
Louisiana	191	207	236	271	306	333	354	385
Maine	52	73	90	105	115	118	120	114
Maryland	306	379	450	490	512	514	495	471
Massachusetts	*	*	*	*	*	*	*	*
Michigan	375	463	534	607	690	733	749	779
Minnesota	228	276	331	395	449	496	529	544
Mississippi	88	106	129	154	180	202	220	229
Missouri	342	399	468	546	618	683	712	727
Montana	47	57	70	83	96	102	108	108
Nebraska	66	81	95	112	124	135	143	151

Table 16 - Continued
ADSL High-Speed Connections by State 2005-2008
 (Connections over 200 kbps in at least one direction, in thousands)

State	2005		2006		2007		2008	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Nevada	116	140	168	190	207	220	225	222
New Hampshire	54	72	85	94	98	100	97	91
New Jersey	444	540	638	704	735	735	700	666
New Mexico	82	105	131	157	180	200	217	231
New York	737	861	1,003	1,104	1,182	1,184	1,169	1,122
North Carolina	413	489	561	648	725	820	870	891
North Dakota	27	32	39	46	51	56	60	62
Northern Mariana Isl	0	*	*	*	*	*	*	*
Ohio	556	663	753	859	951	1,024	1,034	1,069
Oklahoma	189	222	247	277	302	324	334	337
Oregon	198	245	280	312	339	356	361	371
Pennsylvania	541	692	871	1,013	1,126	1,191	1,209	1,232
Puerto Rico	*	*	*	*	*	*	*	*
Rhode Island	*	*	*	*	*	*	*	*
South Carolina	155	206	243	285	323	359	386	400
South Dakota	21	26	33	40	46	48	53	54
Tennessee	237	294	348	397	447	499	535	542
Texas	1,301	1,514	1,733	1,997	2,294	2,464	2,475	2,607
Utah	130	160	189	222	250	270	284	299
Vermont	35	44	51	61	68	72	73	61
Virgin Islands	*	*	*	*	*	*	*	*
Virginia	309	384	446	505	548	568	561	553
Washington	364	427	491	534	569	592	600	599
West Virginia	53	69	87	105	124	138	147	152
Wisconsin	243	298	360	418	484	528	556	556
Wyoming	24	33	39	44	50	53	55	57
Total	16,316	19,515	22,584	25,413	27,793	29,449	29,964	30,190

= Rounds to Zero.

* = Data withheld to maintain firm confidentiality.

Figures may not sum to totals due to rounding.

Source: FCC Form 477, Part I.

Table 17
Cable Modem High-Speed Connections by State 2005-2008
 (Connections over 200 kbps in at least one direction, in thousands)

State	2005		2006		2007		2008	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	257	285	311	342	374	399	417	460
Alaska	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0
Arizona	584	679	761	838	850	897	992	987
Arkansas	118	137	148	184	205	214	236	248
California	2,467	2,735	2,957	3,156	3,411	3,603	3,799	3,994
Colorado	383	433	476	523	561	604	626	659
Connecticut	372	404	441	454	513	550	576	615
Delaware	*	*	*	*	*	*	*	*
District of Columbia	*	*	*	*	*	*	*	*
Florida	1,580	1,758	1,939	2,178	2,344	2,543	2,631	2,825
Georgia	523	584	650	743	802	862	904	973
Guam	0	0	0	0	0	*	*	*
Hawaii	*	*	*	*	*	*	*	*
Idaho	78	74	75	109	116	123	127	121
Illinois	842	956	1,042	1,332	1,466	1,570	1,625	1,591
Indiana	397	445	490	370	410	439	456	626
Iowa	187	220	225	234	268	287	309	330
Kansas	259	273	317	321	351	369	380	425
Kentucky	217	269	306	333	384	435	482	452
Louisiana	329	255	379	420	446	485	481	518
Maine	116	132	146	152	169	179	197	288
Maryland	547	592	637	781	829	865	871	799
Massachusetts	826	886	955	1,044	1,088	1,136	1,159	1,307
Michigan	892	954	1,019	1,103	1,197	1,265	1,307	1,411
Minnesota	441	494	517	541	571	608	622	666
Mississippi	96	104	114	136	152	166	188	216
Missouri	323	353	401	444	473	498	517	553
Montana	36	45	54	65	74	83	90	92
Nebraska	177	201	218	239	238	252	262	278

Table 17 - Continued
Cable Modem High-Speed Connections by State 2005-2008
 (Connections over 200 kbps in at least one direction, in thousands)

State	2005		2006		2007		2008	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Nevada	*	*	*	*	*	*	*	*
New Hampshire	176	188	202	210	230	240	250	298
New Jersey	1,108	1,205	1,312	1,386	1,474	1,538	1,586	1,637
New Mexico	78	89	100	109	117	127	137	146
New York	2,216	2,445	2,765	2,967	3,164	3,342	3,548	4,139
North Carolina	762	862	964	1,041	1,134	1,196	1,266	1,551
North Dakota	51	55	58	71	76	80	83	85
Northern Mariana Isl	0	0	0	0	0	*	*	*
Ohio	961	1,065	1,185	1,303	1,406	1,498	1,627	1,943
Oklahoma	234	262	284	313	348	373	382	408
Oregon	336	375	407	453	490	531	554	516
Pennsylvania	962	1,075	1,164	1,256	1,271	1,399	1,492	1,807
Puerto Rico	*	*	*	*	*	*	*	*
Rhode Island	*	*	*	*	*	*	*	*
South Carolina	290	326	368	418	459	496	517	752
South Dakota	84	89	93	100	101	111	115	122
Tennessee	422	460	506	602	663	703	715	717
Texas	1,468	1,618	1,692	1,944	2,082	2,183	2,214	2,081
Utah	*	*	*	*	*	*	212	*
Vermont	*	*	*	*	*	*	*	71
Virgin Islands	0	0	0	0	0	0	0	0
Virginia	749	817	893	877	906	921	941	1,096
Washington	585	660	726	806	862	909	944	980
West Virginia	118	128	145	145	156	159	167	205
Wisconsin	447	497	543	592	637	676	711	810
Wyoming	*	*	*	*	*	*	*	64
Total	24,017	26,558	29,173	31,982	34,404	36,507	38,190	41,468

= Rounds to Zero.
 * = Data withheld to maintain firm confidentiality.
 Figures may not sum to totals due to rounding.
 Source: FCC Form 477, Part I.

Table 18
High-Speed Connections by Type of End User by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction, in thousands)

State	Connections		Percentages		Total
	Residential	Business	Residential	Business	
Alabama	1,044	191	84.5	15.5	1,235
Alaska	191	33	85.4	14.6	224
American Samoa	*	*	*	*	*
Arizona	1,737	296	85.5	14.5	2,033
Arkansas	603	120	83.4	16.6	723
California	10,538	2,111	83.3	16.7	12,649
Colorado	1,514	302	83.4	16.6	1,816
Connecticut	1,176	226	83.9	16.1	1,402
Delaware	273	57	82.7	17.3	330
District of Columbia	231	144	61.6	38.4	375
Florida	5,684	1,045	84.5	15.5	6,729
Georgia	2,541	525	82.9	17.1	3,065
Guam	22	3	89.0	11.0	25
Hawaii	421	77	84.6	15.4	498
Idaho	381	67	85.1	14.9	448
Illinois	3,601	664	84.4	15.6	4,265
Indiana	1,534	262	85.4	14.6	1,796
Iowa	730	108	87.2	12.8	837
Kansas	790	134	85.5	14.5	924
Kentucky	996	158	86.3	13.7	1,154
Louisiana	1,114	232	82.8	17.2	1,346
Maine	416	39	91.5	8.5	454
Maryland	1,851	343	84.4	15.6	2,193
Massachusetts	2,240	360	86.1	13.9	2,600
Michigan	2,455	427	85.2	14.8	2,881
Minnesota	1,407	255	84.6	15.4	1,662
Mississippi	518	96	84.4	15.6	614
Missouri	1,443	268	84.3	15.7	1,711
Montana	279	42	87.0	13.0	320
Nebraska	522	85	86.0	14.0	607
Nevada	780	138	84.9	15.1	918
New Hampshire	447	52	89.5	10.5	499
New Jersey	2,946	572	83.7	16.3	3,517
New Mexico	468	77	86.8	14.2	548
New York	6,382	1,023	86.2	13.8	7,405
North Carolina	2,733	470	85.3	14.7	3,203
North Dakota	175	31	84.8	15.2	206
Northern Mariana Isl	*	*	*	*	*
Ohio	3,336	574	85.3	14.7	3,910
Oklahoma	860	163	84.1	15.9	1,022
Oregon	1,060	191	84.7	15.3	1,252
Pennsylvania	3,578	646	84.7	15.3	4,225
Puerto Rico	404	61	86.9	13.1	464
Rhode Island	320	58	84.6	15.4	378
South Carolina	1,300	201	86.6	13.4	1,501
South Dakota	214	32	87.0	13.0	246
Tennessee	1,472	313	82.5	17.5	1,784
Texas	6,159	1,325	82.3	17.7	7,484
Utah	626	136	82.2	17.8	762
Vermont	151	17	89.8	10.2	168
Virgin Islands	19	2	91.1	8.9	21
Virginia	2,399	488	83.1	16.9	2,887
Washington	1,933	424	82.0	18.0	2,357
West Virginia	396	56	87.7	12.3	452
Wisconsin	1,517	222	87.2	12.8	1,739
Wyoming	150	25	85.7	14.3	175
Total	86,078	15,965	84.4	15.6	102,043

= Rounds to Zero.

* = Data withheld to maintain firm confidentiality.

Figures may not sum to totals due to rounding.

Source: FCC Form 477, Part I and VI.

Table 19
Percentage of Residential End-User Premises with Access to High-Speed Services by State
(Connections over 200 kbps in at least one direction)

State	xDSL Availability Where ILECs Offer Local Telephone Service	Cable Modem Availability Where Cable Systems Offer Cable TV Service
Alabama	80	92
Alaska	79	*
American Samoa	*	0
Arizona	86	93
Arkansas	78	72
California	89	98
Colorado	89	96
Connecticut	*	100
Delaware	*	*
District of Columbia	*	*
Florida	92	97
Georgia	96	90
Guam	*	*
Hawaii	*	*
Idaho	80	99
Illinois	86	97
Indiana	81	94
Iowa	87	91
Kansas	84	95
Kentucky	86	93
Louisiana	84	97
Maine	73	96
Maryland	76	95
Massachusetts	*	100
Michigan	74	91
Minnesota	88	97
Mississippi	76	91
Missouri	81	95
Montana	80	80
Nebraska	87	94
Nevada	90	*
New Hampshire	63	98
New Jersey	88	100
New Mexico	87	80
New York	79	99
North Carolina	89	96
North Dakota	87	92
Northern Mariana Isl	*	*
Ohio	85	98
Oklahoma	80	89
Oregon	83	96
Pennsylvania	85	98
Puerto Rico	*	*
Rhode Island	*	*
South Carolina	85	93
South Dakota	83	87
Tennessee	84	98
Texas	81	96
Utah	90	*
Vermont	72	91
Virgin Islands	*	0
Virginia	69	96
Washington	84	95
West Virginia	66	88
Wisconsin	83	96
Wyoming	78	85
Total	84	96

* = Data withheld to maintain firm confidentiality.

Note: This table summarizes responses to Form 477 questions about service availability, as opposed to subscribership. 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 and VoIP lines. Reported cable modem availability is weighted by cable TV subscribers. The weighted averages include ILECs or cable system operators that report no availability. Figures are presented to the nearest percent.

Source: FCC Form 477, Parts I and II; Warren Communications News, Inc., Television & Cable Factbook: Online (Cable General Information, June 2007).

Table 20
Providers of High-Speed Connections by Technology by State as of December 31, 2008
(Connections over 200 kbps in at least one direction)

State	ADSL	SDSL	Other Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total
Alabama	28	11	23	21	16	*	12	7	*	78
Alaska	12	5	6	*	5	*	7	5	0	21
American Samoa	*	*	0	0	0	0	*	0	0	*
Arizona	22	7	21	10	18	*	15	7	0	66
Arkansas	21	9	13	15	8	*	8	6	0	57
California	29	19	37	17	19	*	27	9	0	95
Colorado	34	13	28	15	19	*	29	9	0	88
Connecticut	8	8	21	6	10	*	*	4	0	36
Delaware	8	8	21	*	5	*	0	4	0	32
District of Columbia	12	10	23	*	9	*	*	4	0	35
Florida	27	17	47	19	31	*	13	6	0	93
Georgia	40	15	30	33	36	*	10	6	0	103
Guam	*	*	*	*	0	0	0	*	0	6
Hawaii	*	*	7	*	7	*	*	6	0	18
Idaho	25	11	19	9	15	*	17	8	0	82
Illinois	59	27	38	20	16	*	46	9	0	132
Indiana	40	16	30	14	25	*	39	6	*	105
Iowa	125	41	29	38	42	*	65	6	0	197
Kansas	42	14	23	30	32	*	28	10	0	96
Kentucky	28	10	23	23	17	*	16	8	0	87
Louisiana	20	9	20	14	14	*	7	5	0	57
Maine	13	10	15	6	8	*	*	4	0	34
Maryland	17	12	26	11	9	*	4	5	0	52
Massachusetts	14	10	26	7	11	*	6	4	0	47
Michigan	42	19	34	12	17	*	25	8	*	94
Minnesota	65	24	26	18	38	*	23	6	0	108
Mississippi	21	6	19	15	7	*	6	7	0	59
Missouri	40	16	25	20	18	*	32	6	*	99
Montana	21	9	13	4	8	*	13	*	0	44
Nebraska	36	10	15	17	15	*	25	5	0	73

Table 20 - Continued
Providers of High-Speed Connections by Technology by State as of December 31, 2008
(Connections over 200 kbps in at least one direction)

State	ADSL	SDSL	Other Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total
Nevada	20	10	20	5	10	*	9	7	0	50
New Hampshire	14	7	17	5	10	*	4	4	0	39
New Jersey	17	13	41	6	13	*	*	4	0	55
New Mexico	23	8	15	8	8	*	14	9	0	51
New York	42	18	43	20	21	4	12	6	0	97
North Carolina	29	13	32	16	17	*	7	8	0	77
North Dakota	25	12	12	7	11	*	12	4	0	42
Northern Mariana Isl	*	0	*	*	*	0	*	*	0	*
Ohio	41	22	33	24	25	*	22	8	*	104
Oklahoma	41	8	23	13	14	*	15	12	0	84
Oregon	43	13	26	15	22	*	13	6	0	78
Pennsylvania	37	19	39	24	21	4	11	6	0	87
Puerto Rico	*	*	7	*	4	*	*	6	0	15
Rhode Island	7	6	14	*	5	*	*	4	0	24
South Carolina	22	5	23	16	11	*	*	6	0	52
South Dakota	27	10	15	8	14	*	16	*	0	53
Tennessee	29	13	29	16	15	*	12	8	0	84
Texas	68	25	52	28	36	*	52	13	0	161
Utah	15	10	18	*	12	*	11	8	0	50
Vermont	11	4	13	4	4	*	*	*	0	31
Virgin Islands	*	*	*	0	0	*	*	*	0	8
Virginia	28	17	35	16	20	*	14	7	*	79
Washington	28	12	29	18	23	*	24	7	*	81
West Virginia	10	*	14	10	7	*	5	6	0	37
Wisconsin	46	14	22	14	16	*	22	9	*	89
Wyoming	13	7	9	4	4	*	7	8	0	37
Total	879	262	290	341	430	5	617	46	5	1,554

* Indicates one to three providers.

Source: FCC Form 477, Part I.

Table 21
Residential Fixed High-Speed Connections and Households by State as of December 31, 2008
(Connections over 200 kbps in at least one direction and Households, in thousands)

<i>State</i>	<i>Connections</i>	<i>Households</i>	<i>Subscribership Ratio</i>
Alabama	861	1,821	0.47
Alaska	155	248	0.62
American Samoa	*	9	*
Arizona	1,403	2,436	0.58
Arkansas	487	1,119	0.44
California	8,311	12,646	0.66
Colorado	1,230	1,886	0.65
Connecticut	973	1,362	0.71
Delaware	236	337	0.70
District of Columbia	170	263	0.65
Florida	4,697	7,436	0.63
Georgia	2,062	3,628	0.57
Guam	*	39	*
Hawaii	*	450	*
Idaho	283	562	0.50
Illinois	2,943	4,775	0.62
Indiana	1,299	2,457	0.53
Iowa	654	1,180	0.55
Kansas	648	1,077	0.60
Kentucky	829	1,687	0.49
Louisiana	851	1,609	0.53
Maine	392	540	0.73
Maryland	1,461	2,140	0.68
Massachusetts	1,892	2,493	0.76
Michigan	2,081	3,869	0.54
Minnesota	1,188	2,011	0.59
Mississippi	418	1,076	0.39
Missouri	1,220	2,323	0.53
Montana	192	385	0.50
Nebraska	411	698	0.59
Nevada	603	1,015	0.59
New Hampshire	389	514	0.76
New Jersey	2,408	3,202	0.75
New Mexico	365	748	0.49
New York	5,260	7,297	0.72
North Carolina	2,277	3,617	0.63
North Dakota	146	255	0.57
Northern Mariana Isl	*	14	*
Ohio	2,844	4,495	0.63
Oklahoma	701	1,423	0.49
Oregon	890	1,489	0.60
Pennsylvania	3,113	4,831	0.64
Puerto Rico	301	1,262	0.24
Rhode Island	274	418	0.66
South Carolina	1,084	1,721	0.63
South Dakota	176	310	0.57
Tennessee	1,197	2,455	0.49
Texas	4,655	8,730	0.53
Utah	518	858	0.60
Vermont	135	247	0.55
Virgin Islands	14	41	0.34
Virginia	1,824	3,003	0.61
Washington	1,533	2,533	0.61
West Virginia	343	737	0.47
Wisconsin	1,310	2,200	0.60
Wyoming	112	206	0.54
Total	70,148	116,181	0.60

= Rounds to Zero; * = Data withheld to maintain firm confidentiality.

Note: Figures may not sum to totals due to rounding.

Sources: FCC Form 477, Part VI (Connections); Geolytics 2009 Block-Level Estimates (Households for U.S. and District of Columbia); Census 2000 (Households for Puerto Rico, American Samoa, Guam, Northern Mariana Islands and U.S. Virgin Islands).

Table 22
Distribution of Counties by Ratio of Residential Fixed High-Speed Connections to County Households by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction)

State	Counties	Ratio of Residential Fixed High-Speed Connections to County Households										
		Zero	Greater than 0 and no more than 5%	Greater than 5 and no more than 10%	Greater than 10 and no more than 20%	Greater than 20 and no more than 30%	Greater than 30 and no more than 40%	Greater than 40 and no more than 50%	Greater than 50 and no more than 60%	Greater than 60 and no more than 75%	Greater than 75 and no more than 100%	100% or more
Alabama	67	0	0	1	4	23	17	10	7	5	0	0
Alaska	27	0	0	2	7	3	3	2	4	6	0	0
American Samoa	5	3	0	1	1	0	0	0	0	0	0	0
Arizona	15	0	0	0	1	2	2	4	3	3	0	0
Arkansas	75	0	0	0	4	25	28	12	6	0	0	0
California	58	0	1	0	0	1	12	9	12	16	7	0
Colorado	64	0	0	0	0	8	11	12	15	9	7	2
Connecticut	8	0	0	0	0	0	0	0	0	3	5	0
Delaware	3	0	0	0	0	0	0	0	0	3	0	0
District of Columbia	1	0	0	0	0	0	0	0	0	1	0	0
Florida	67	0	0	0	0	9	10	7	10	28	3	0
Georgia	159	0	0	1	8	16	44	35	29	23	3	0
Guam	1	0	0	0	0	0	0	1	0	0	0	0
Hawaii	5	0	1	0	0	0	0	0	1	1	2	0
Idaho	44	0	0	2	2	5	10	11	11	2	1	0
Illinois	102	0	1	1	0	11	22	24	23	14	6	0
Indiana	92	0	0	0	0	7	30	35	10	9	1	0
Iowa	99	0	0	0	0	2	11	47	31	7	1	0
Kansas	105	0	0	0	0	4	17	42	28	12	2	0
Kentucky	120	0	0	0	6	21	43	27	11	12	0	0
Louisiana	64	0	0	0	2	12	16	10	17	5	1	1
Maine	16	0	0	0	0	1	0	2	4	6	3	0
Maryland	24	0	0	0	1	0	2	3	3	10	5	0
Massachusetts	14	0	0	0	0	0	0	0	0	7	4	3
Michigan	83	0	0	1	7	12	17	25	13	8	0	0
Minnesota	87	0	0	0	0	2	13	34	25	12	1	0
Mississippi	82	0	0	0	21	34	13	6	4	4	0	0
Missouri	115	0	0	2	9	25	37	22	13	4	3	0
Montana	56	0	0	0	1	7	15	18	13	2	0	0
Nebraska	93	0	0	0	1	4	25	36	21	5	1	0

Table 22 - Continued
Distribution of Counties by Ratio of Residential Fixed High-Speed Connections to County Households by State as of December 31, 2008
(Connections over 200 kbps in at least one direction)

State	Counties	Ratio of Residential Fixed High-Speed Connections to County Households										100% or more
		Zero	Greater than 0 and no more than 5%	Greater than 5 and no more than 10%	Greater than 10 and no more than 20%	Greater than 20 and no more than 30%	Greater than 30 and no more than 40%	Greater than 40 and no more than 50%	Greater than 50 and no more than 60%	Greater than 60 and no more than 75%	Greater than 75 and no more than 100%	
Nevada	17	0	0	0	0	4	6	1	3	3	0	0
New Hampshire	10	0	0	0	0	0	0	0	2	4	4	0
New Jersey	21	0	0	0	0	0	0	2	1	6	11	1
New Mexico	33	0	0	0	1	9	8	7	7	1	0	0
New York	62	0	0	0	0	0	1	4	8	22	20	7
North Carolina	100	0	0	0	0	9	23	19	26	15	8	0
North Dakota	53	0	1	0	5	4	8	14	10	10	1	0
Northern Mariana Isl	4	2	1	0	0	0	0	0	0	0	0	1
Ohio	88	0	0	0	0	5	7	22	24	26	4	0
Oklahoma	77	0	0	0	3	22	16	22	9	5	0	0
Oregon	36	0	0	0	0	3	7	11	9	5	1	0
Pennsylvania	67	0	0	0	0	0	6	14	20	19	7	1
Puerto Rico	78	0	1	12	34	16	11	2	2	0	0	0
Rhode Island	5	0	0	0	0	0	0	0	1	1	3	0
South Carolina	46	0	0	0	2	7	9	11	7	2	6	2
South Dakota	66	0	0	1	1	6	18	22	12	4	2	0
Tennessee	95	0	0	1	5	24	33	15	12	4	1	0
Texas	254	0	1	1	11	55	76	59	35	9	7	0
Utah	29	0	0	0	0	1	2	12	4	9	1	0
Vermont	14	0	0	0	0	1	4	4	2	3	0	0
Virgin Islands	3	0	0	0	0	1	2	0	0	0	0	0
Virginia	134	0	0	4	16	24	22	26	16	14	12	0
Washington	39	0	0	0	1	3	7	8	12	7	1	0
West Virginia	55	0	0	1	2	6	15	18	10	3	0	0
Wisconsin	72	0	0	0	1	1	15	21	19	12	3	0
Wyoming	23	0	0	0	0	1	4	5	9	4	0	0
Total	3,232	5	7	31	157	436	698	753	574	405	148	18

Note: Figures may not sum to totals due to rounding. See Technical Notes at the end of the report.
Source: FCC Form 477, Part VI.

Table 23
Distribution of Census Tracts by Ratio of Residential Fixed High-Speed Connections to Tract Households by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction)

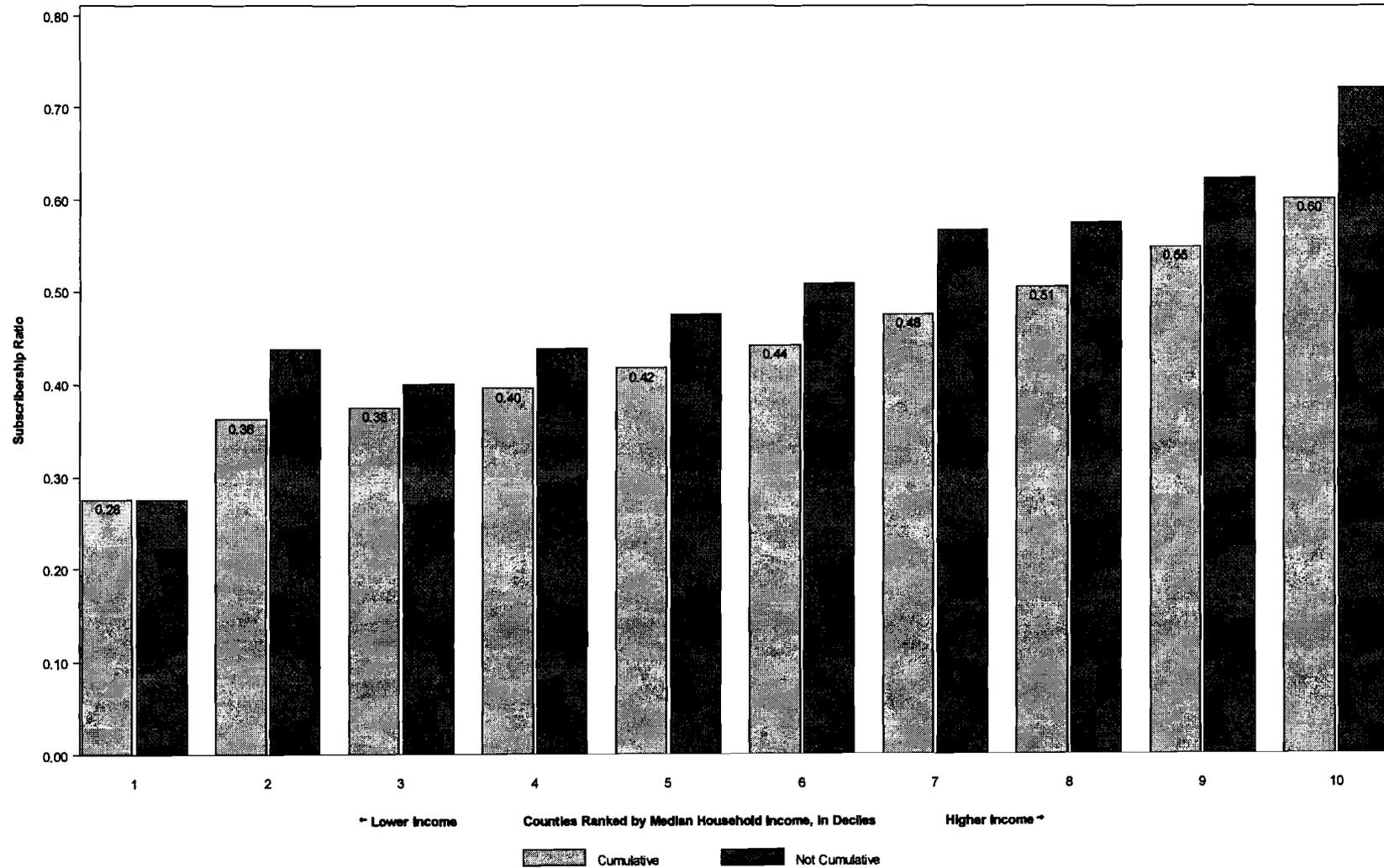
State	Tracts	Ratio of Residential Fixed High-Speed Connections to Tract Households										
		Zero	Greater than 0 and no more than 5%	Greater than 5 and no more than 10%	Greater than 10 and no more than 20%	Greater than 20 and no more than 30%	Greater than 30 and no more than 40%	Greater than 40 and no more than 50%	Greater than 50 and no more than 60%	Greater than 60 and no more than 75%	Greater than 75 and no more than 100%	100% or more
Alabama	1,081	3	14	30	134	191	205	138	111	104	93	60
Alaska	158	1	1	10	13	4	14	16	18	41	32	8
American Samoa	21	18	0	0	0	0	0	1	0	1	0	1
Arizona	1,107	16	23	31	72	125	114	147	143	181	146	109
Arkansas	624	2	11	29	79	139	116	79	49	53	49	18
California	7,049	40	26	59	269	447	733	786	850	1,358	1,597	884
Colorado	1,075	12	1	3	22	84	138	146	160	186	181	142
Connecticut	815	3	1	1	9	29	36	63	92	184	333	64
Delaware	197	1	0	2	6	20	20	22	24	22	38	42
District of Columbia	188	6	1	1	2	10	17	18	24	40	47	22
Florida	3,153	10	4	8	87	235	387	447	428	582	560	405
Georgia	1,618	6	7	16	100	210	265	254	231	214	179	136
Guam	56	11	1	2	5	8	7	8	3	5	0	6
Hawaii	286	8	2	0	4	6	7	26	52	85	67	29
Idaho	280	2	1	8	15	39	61	54	27	35	20	18
Illinois	2,964	20	16	18	73	253	378	453	447	577	509	220
Indiana	1,412	3	5	10	55	171	277	302	231	173	128	57
Iowa	793	2	1	3	11	41	130	204	184	130	65	22
Kansas	727	7	2	2	10	54	119	146	113	127	85	62
Kentucky	994	2	8	15	78	123	194	191	138	132	73	40
Louisiana	1,106	5	8	10	68	174	150	162	142	182	150	55
Maine	344	0	2	2	12	21	16	27	50	71	98	45
Maryland	1,216	8	14	8	66	92	92	118	133	197	275	213
Massachusetts	1,361	5	0	0	52	102	89	94	92	216	433	278
Michigan	2,716	14	17	34	205	297	347	362	414	467	425	134
Minnesota	1,300	6	4	3	14	85	170	238	238	261	201	80
Mississippi	605	0	5	22	132	125	108	66	41	47	40	19
Missouri	1,320	9	14	23	109	175	224	197	153	178	171	67
Montana	270	6	9	1	15	34	48	56	47	26	22	6
Nebraska	503	4	0	2	10	38	91	97	84	88	52	37

Table 23 - Continued
Distribution of Census Tracts by Ratio of Residential Fixed High-Speed Connections to Tract Households by State as of December 31, 2008
 (Connections over 200 kbps in at least one direction)

State	Tracts	Ratio of Residential Fixed High-Speed Connections to Tract Households										100% or more
		Zero	Greater than 0 and no more than 5%	Greater than 5 and no more than 10%	Greater than 10 and no more than 20%	Greater than 20 and no more than 30%	Greater than 30 and no more than 40%	Greater than 40 and no more than 50%	Greater than 50 and no more than 60%	Greater than 60 and no more than 75%	Greater than 75 and no more than 100%	
Nevada	487	9	8	8	34	50	75	60	59	70	66	50
New Hampshire	272	0	0	0	2	5	6	20	35	70	92	42
New Jersey	1,944	16	27	10	55	114	149	156	146	292	553	426
New Mexico	456	22	12	17	36	57	82	57	50	58	44	21
New York	4,898	112	130	13	66	187	516	654	524	722	1,022	952
North Carolina	1,555	2	1	5	53	149	224	266	203	241	221	190
North Dakota	227	6	5	5	13	23	32	39	33	41	22	8
Northern Mariana Isl	21	4	15	1	0	0	0	0	0	0	0	1
Ohio	2,934	14	1	8	84	214	332	377	490	643	557	214
Oklahoma	990	5	18	17	92	115	190	143	126	122	110	52
Oregon	755	1	1	1	12	46	83	135	140	164	128	44
Pennsylvania	3,134	20	19	18	195	281	317	335	391	480	666	412
Puerto Rico	823	171	74	122	212	85	47	31	23	13	21	24
Rhode Island	233	0	0	0	7	23	21	24	21	41	67	29
South Carolina	867	6	4	15	63	123	125	101	99	93	108	130
South Dakota	235	17	5	4	13	23	34	48	27	28	24	12
Tennessee	1,261	9	11	25	117	226	231	191	141	125	113	72
Texas	4,388	23	63	114	466	697	691	573	424	491	468	378
Utah	496	7	5	5	11	27	50	75	98	95	74	49
Vermont	179	1	2	0	13	16	23	22	41	34	21	6
Virgin Islands	32	27	0	0	0	0	0	0	0	1	0	4
Virginia	1,530	6	19	38	105	145	172	176	182	215	304	168
Washington	1,318	3	3	5	37	81	131	188	233	294	251	92
West Virginia	466	0	9	10	47	60	81	77	66	69	41	6
Wisconsin	1,320	7	4	5	30	106	176	209	234	285	179	85
Wyoming	127	1	0	1	4	7	17	21	29	33	13	1
Total	66,287	719	632	800	3,494	6,192	8,358	8,894	8,534	10,683	11,234	6,747

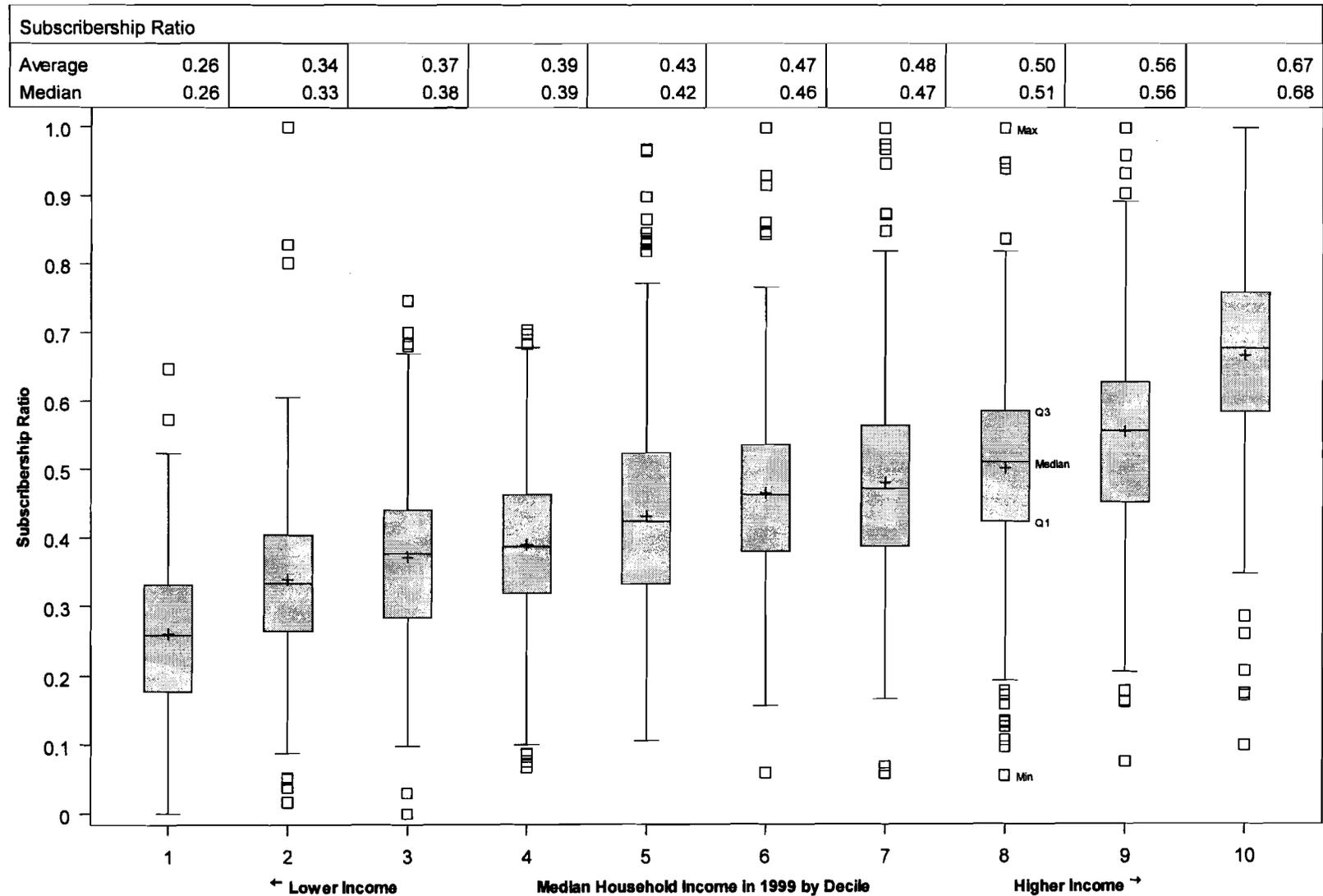
Note: Figures may not sum to totals due to rounding. See Technical Notes at the end of the report.
 Source: FCC Form 477, Part VI.

Chart 19
Ratio of Residential Fixed High-Speed Connections to Households by Income Decile
 (County Data)



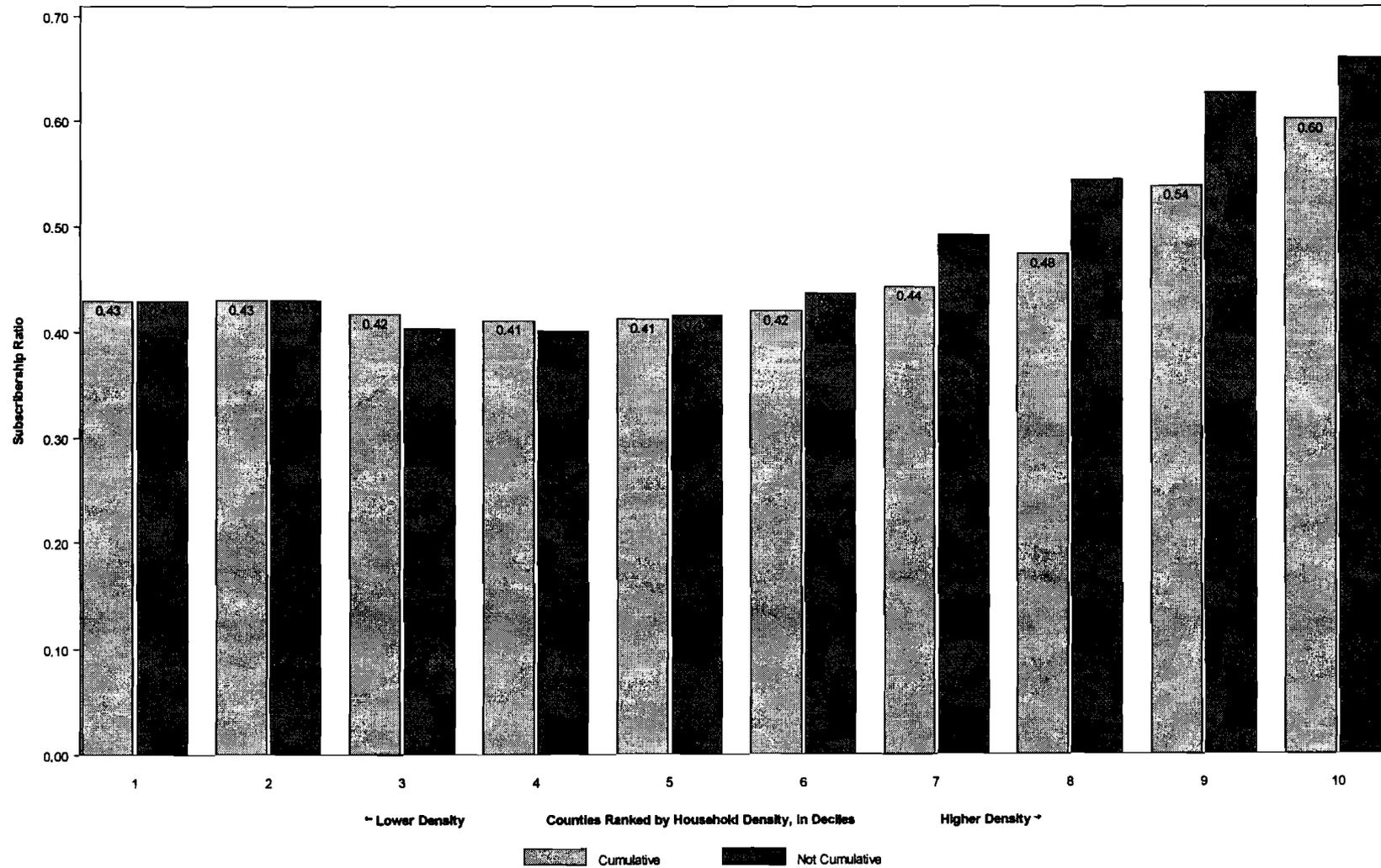
This chart shows cumulative and non-cumulative subscribership ratios by income deciles. Counties were grouped into income deciles based on county median household income in 1999, as reported by the Census Bureau. For each decile, the height of any red, non-cumulative bar represents the ratio of the sum of residential fixed connections across counties in the decile to the sum of households across counties in the decile. The height of the blue, cumulative bar for decile N represents the ratio of the sum of residential fixed connections across all counties in decile N and all deciles less than N to the number of households in all the counties in decile N and deciles less than N.
 Sources: FCC Form 477, Part VI; Geolytics 2009 Block-Level Estimates (Households in 2009); and Census 2000 (Median household income in 1999).

Chart 20
Subscribership Ratio Distributions by Income Deciles as of December 31, 2008



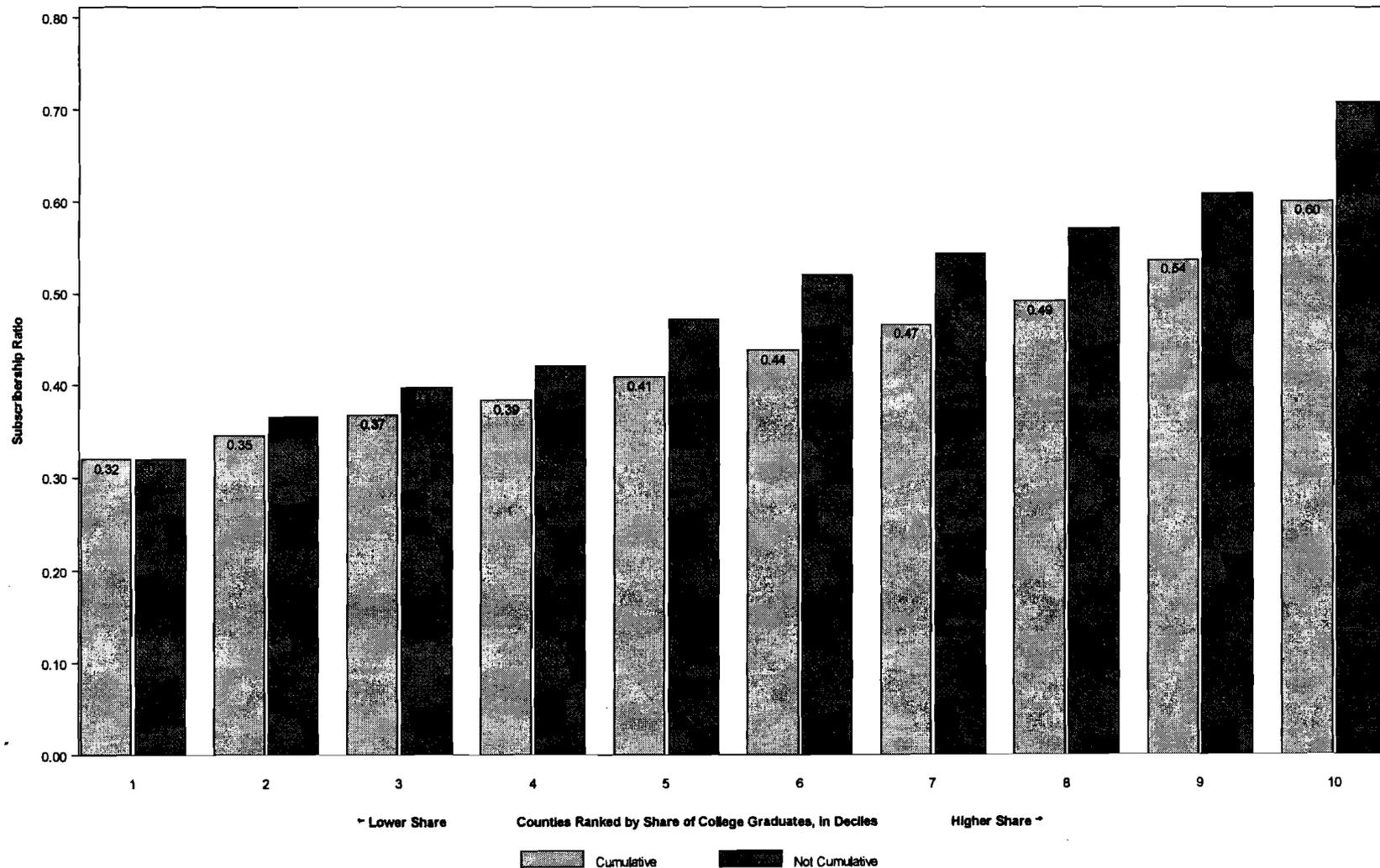
Note: Each box plot shows the distribution of residential subscribership for counties in the income decile. Some of the features are labeled, but note also that + denotes the position of the average residential subscribership ratio taken across all counties in the decile; L is the minimum observation above $Q1-1.5(Q3-Q1)$; T is the maximum observation below $Q3+1.5(Q3-Q1)$; and \square is any data point beyond $Q1-1.5(Q3-Q1)$ or $Q3+1.5(Q3-Q1)$. Ratios greater than 1 were set to 1.
 Sources: FCC Form 477, Part VI; Geolytics 2009 Block-Level Estimates (Households in 2009); and Census 2000 (Median household income in 1999).

Chart 21
Ratio of Residential Fixed High-Speed Connections to Households by Density Decile
 (County Data)



This chart shows cumulative and non-cumulative subscribership ratios by density deciles. Counties were grouped into density deciles based on households per square mile, calculated as the ratio of estimated county households in 2009 to county land area from the Census Bureau. For each decile, the height of any red, non-cumulative bar represents the ratio of the sum of residential fixed connections across counties in the decile to the sum of households across counties in the decile. The height of the blue, cumulative bar for decile N represents the ratio of the sum of residential fixed connections across all counties in decile N and all deciles less than N to the number of households in all the counties in decile N and deciles less than N.
 Sources: FCC Form 477, Part VI; Geolytics 2009 Block-Level Estimates (Households in 2009); and Census 2000 (County land area).

Chart 23
Ratio of Residential Fixed High-Speed Connections to Households by Share of College Graduates in Deciles
 (County Data)



This chart shows cumulative and non-cumulative subscribership ratios by county share of college graduates in deciles. Counties were grouped into deciles based on the share of the county population at least 25 years of age with a college degree or higher educational attainment. For each decile, the height of any red, non-cumulative bar represents the ratio of the sum of residential fixed connections across counties in the decile to the sum of households across counties in the decile. The height of the blue, cumulative bar for decile N represents the ratio of the sum of residential fixed connections across all counties in decile N and all deciles less than N, to the number of households in all the counties in decile N and deciles less than N.
 Sources: FCC Form 477, Part VI; Geolytics 2009 Block-Level Estimates (Households in 2009); and Census 2000 (County educational attainment).

