

# Housing Completions

## New Privately Owned Housing Units Completed

Seasonally adjusted annual rate in thousands

— Seasonally adjusted annual rate  
— 4-month moving average



Note: Total includes units started in structures with two to four units.

Source: U.S. Census Bureau, Housing Completions.

Questions regarding these data may be directed to **Dale R. Jacobson**, Residential Construction Branch, Manufacturing and Construction Division, telephone: 301-457-1321.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington DC 20402.

---

## SUMMARY OF FINDINGS

This report provides monthly statistics on the number of new privately owned housing units completed and under construction. This report is released jointly by the U.S. Census Bureau and the U.S. Department of Housing and Urban Development.

Privately owned housing units were completed in March 2000 at a seasonally adjusted annual rate of 1,738,000. This is virtually unchanged ( $\pm 7$  percent) from the revised February rate of 1,739,000, and 1 ( $\pm 7$ ) percent above the March 1999 rate of 1,722,000.

The March 2000 rate of single-family housing completions was 1,379,000. This is virtually unchanged ( $\pm 7$  percent) from the revised February rate of 1,383,000. The rate for units in buildings with five units or more was 334,000, and the rate for units in buildings with two to four units was 25,000.

Through the first 3 months of 2000, there were 362,800 units completed compared with 348,500 for the same time period last year. This is an increase of 4 ( $\pm 4$ ) percent.

The seasonally adjusted estimate of housing units under construction at the end of March 2000 was 1,032,000. This is 1 ( $\pm 1$ ) percent below the revised February estimate of 1,040,000. Of these, 709,000 were single-family structures, 301,000 were in buildings with five units or more, and 22,000 were in buildings with two to four units.

## EXPLANATION

The statistics in this report are estimated from sample surveys and are subject to sampling variability as well as nonsampling error including bias and variance from response, nonreporting and undercoverage.

Estimated average relative standard errors of preliminary data are shown in the tables. Whenever a statement such as "2 ( $\pm 3$ ) percent above" appears in the text, this indicates the range (-1 to +5 percent) in which the actual percent change is likely to have occurred. All ranges given for percent changes are 90-percent confidence intervals and account only for sampling variability. If a range contains zero, it is unclear whether there was an increase or decrease; that is, the change is not statistically significant. For any comparison cited without a confidence interval, the change is statistically significant.

In interpreting changes in the seasonally adjusted rates of housing completions, note that month-to-month changes may reflect movements which may be irregular. It may take 4 months to establish an underlying trend for total completions.

The appendix in the January 2000 issue of this report includes explanations of confidence intervals and sampling variability. On average, the preliminary seasonally adjusted estimates of total housing completions are revised about  $\pm 1$  percent.

Housing completions and under construction statistics do not include HUD-coded manufactured homes.

## HISTORICAL DATA

Housing completions data have been collected since 1968. Housing starts are available from 1889 to the present date. Historical data for all these series are available from the Residential Construction Branch, Manufacturing and Construction Division, U.S. Census Bureau, Washington, DC 20233-6900. Telephone: 301-457-1321.

**Table 1. New Privately Owned Housing Units Completed**

[Thousands of units. Detail may not add to total because of rounding]

Period	Total	In structures with--				Inside MSAs <sup>1</sup>	Outside MSAs <sup>1</sup>	North-east	Midwest	South	West
		1 unit	2 units	3 and 4 units	5 units or more						
<b>ANNUAL DATA</b>											
1990	1,308.0	966.0	16.5	28.2	297.3	1,060.2	247.7	157.7	263.3	510.7	376.3
1991	1,090.8	837.6	16.9	19.7	216.6	862.1	228.7	120.1	240.4	438.9	291.3
1992	1,157.5	963.6	15.1	20.8	158.0	909.5	248.0	136.4	268.4	462.4	290.3
1993	1,192.7	1,039.4	9.5	16.7	127.1	943.0	249.8	117.6	273.3	512.0	290.0
1994	1,346.9	1,160.3	12.1	19.5	154.9	1,086.3	260.6	123.4	307.1	580.9	335.5
1995	1,312.6	1,065.5	14.8	19.8	212.4	1,065.0	247.6	126.9	287.9	581.1	316.7
1996	1,412.9	1,128.5	13.6	19.5	251.3	1,163.4	249.4	125.1	304.5	637.1	346.2
1997	1,400.5	1,116.4	13.6	23.4	247.1	1,152.8	247.7	134.0	295.9	634.1	336.4
1998	1,474.2	1,159.7	16.2	24.4	273.9	1,228.5	245.7	137.3	305.1	671.6	360.2
1999	1,636.1	1,307.2	12.0	25.2	291.8	1,378.1	258.0	145.4	337.5	750.4	402.7
<b>MONTHLY DATA</b>											
<b>Not Seasonally Adjusted</b>											
1999: January	114.9	90.2	0.8	3.7	20.2	97.5	17.4	8.9	20.4	57.5	28.0
February	103.0	84.9	1.2	1.4	15.6	85.6	17.4	8.2	18.8	51.9	24.1
March	130.6	103.9	0.7	3.8	22.2	108.6	22.0	11.2	26.4	59.3	33.7
April	125.3	100.9	1.0	1.5	21.8	104.3	21.0	12.3	25.1	55.6	32.3
May	136.1	109.1	0.7	1.2	25.2	117.0	19.1	14.9	28.6	61.7	31.0
June	144.9	116.2	0.8	2.4	25.4	122.2	22.7	13.2	30.1	64.4	37.1
July	138.9	106.1	1.5	3.1	28.1	117.9	21.0	13.5	27.4	63.4	34.5
August	144.1	111.0	1.5	0.8	30.7	122.4	21.7	13.2	31.0	69.1	30.7
September	148.5	119.2	0.8	1.9	26.6	124.3	24.2	13.0	32.8	64.4	38.3
October	147.2	117.9	0.5	2.0	26.8	125.4	21.8	10.5	31.3	68.0	37.4
November	144.0	119.8	1.1	1.3	21.8	119.7	24.3	13.2	31.7	64.0	35.1
December	158.6	128.1	1.3	1.9	27.3	133.3	25.3	13.3	34.0	71.0	40.3
2000: January <sup>f</sup>	112.5	91.8	0.6	0.6	19.5	95.2	17.4	10.0	23.2	54.0	25.4
February <sup>f</sup>	119.1	95.2	0.9	1.2	21.8	101.3	17.8	10.6	21.8	58.2	28.5
March <sup>p</sup>	131.1	103.7	1.1	1.1	25.2	110.8	20.3	11.0	28.5	59.4	32.2
Year to date: 1999	348.5	279.0	2.6	8.8	58.0	291.7	56.8	28.2	65.6	168.7	85.9
2000	362.8	290.7	2.7	2.9	66.5	307.2	55.5	31.6	73.5	171.6	86.1
<b>Seasonally Adjusted Annual Rate</b>											
1999: January	1,654	1,292	66		296	(NA)	(NA)	127	308	823	396
February	1,510	1,237	37		236	(NA)	(NA)	121	308	739	342
March	1,722	1,374	45		303	(NA)	(NA)	164	384	738	436
April	1,635	1,325	31		279	(NA)	(NA)	170	327	716	422
May	1,680	1,355	24		301	(NA)	(NA)	174	359	761	386
June	1,657	1,336	39		282	(NA)	(NA)	153	338	739	427
July	1,619	1,262	58		299	(NA)	(NA)	158	321	743	397
August	1,581	1,251	26		304	(NA)	(NA)	155	325	758	343
September	1,642	1,307	31		304	(NA)	(NA)	136	335	740	431
October	1,608	1,274	27		307	(NA)	(NA)	114	328	759	407
November	1,653	1,345	28		280	(NA)	(NA)	143	345	750	415
December	1,675	1,340	36		299	(NA)	(NA)	135	363	755	422
2000: January <sup>f</sup>	1,599	1,296	18		285	(NA)	(NA)	142	349	755	353
February <sup>f</sup>	1,739	1,383	30		326	(NA)	(NA)	154	358	821	406
March <sup>p</sup>	1,738	1,379	25		334	(NA)	(NA)	158	413	752	415
<b>AVERAGE RELATIVE STANDARD ERRORS<sup>2</sup></b>											
Annual (percent)	1	1	7	10	3	1	4	3	3	2	1
Monthly (percent)	3	3	25	31	9	3	9	9	9	4	4
Year to date (percent)	2	2	13	24	6	2	6	7	6	3	3

NA Not available. <sup>p</sup>Preliminary. <sup>f</sup>Revised.

<sup>1</sup>Metropolitan statistical areas.

<sup>2</sup>Average Relative Standard Errors (Avg. RSE): Annual--Avg. RSE for the last 2 years; Year to date--Avg. RSE for the current period and the same period last year; Monthly--Avg. RSE for the latest 6-month period (January through June or July through December).

Table 2. New Privately Owned Housing Units Completed by Location and Type of Structure

[Thousands of units. Detail may not add to total because of rounding]

Period	United States			Inside MSAs <sup>1</sup>			Outside MSAs <sup>1</sup>			Northeast			Midwest			South			West		
	Total <sup>2</sup>	In structures with--		Total <sup>2</sup>	In structures with--		Total <sup>2</sup>	In structures with--		Total <sup>2</sup>	In structures with--		Total <sup>2</sup>	In structures with--		Total <sup>2</sup>	In structures with--		Total <sup>2</sup>	In structures with--	
		1 unit	5 units or more		1 unit	5 units or more		1 unit	5 units or more		1 unit	5 units or more		1 unit	5 units or more		1 unit	5 units or more		1 unit	5 units or more
<b>ANNUAL DATA</b>																					
1980	1,502	957	426	1,079	633	359	423	324	67	146	100	38	274	170	80	696	455	196	386	233	113
1981	1,266	819	336	888	530	278	377	289	57	127	87	31	218	140	57	626	408	165	294	183	82
1982	1,006	632	293	708	409	241	297	223	52	120	79	35	143	92	38	539	340	156	203	121	64
1983	1,390	924	374	1,074	674	326	316	249	49	139	106	25	201	142	46	746	476	220	305	200	83
1984	1,652	1,025	515	1,317	771	460	336	255	55	168	129	30	221	156	50	867	508	298	396	233	137
1985	1,703	1,072	534	1,422	853	491	281	220	43	214	168	33	230	151	65	812	514	254	447	239	182
1986	1,756	1,120	550	1,502	918	513	254	202	37	254	193	47	270	170	84	764	505	226	469	253	193
1987	1,669	1,123	475	1,420	917	444	248	206	30	257	196	47	302	201	86	660	467	171	449	259	170
1988	1,530	1,085	389	1,286	876	365	244	208	24	250	188	50	280	191	76	595	457	121	405	248	142
1989	1,423	1,026	338	1,181	823	312	242	203	25	219	159	48	267	191	62	549	420	112	387	257	115
1990	1,308	966	297	1,060	759	267	248	207	30	158	127	23	263	195	57	511	389	109	376	255	108
1991	1,091	838	217	862	642	194	229	196	22	120	100	14	240	185	45	439	348	81	291	205	76
1992	1,158	964	158	910	752	133	248	212	25	136	114	18	268	218	40	462	400	52	290	232	49
1993	1,193	1,039	127	943	818	106	250	222	21	118	105	10	273	232	33	512	456	49	290	247	35
1994	1,347	1,160	155	1,086	929	135	261	232	20	123	113	7	307	255	42	581	507	64	336	285	42
1995	1,313	1,066	212	1,065	848	191	248	217	21	127	108	16	288	232	44	581	472	99	317	253	54
1996	1,413	1,129	251	1,163	913	226	249	215	25	125	108	14	304	245	48	637	507	120	346	269	69
1997	1,400	1,116	247	1,153	904	221	248	212	26	134	115	14	296	236	47	634	506	118	336	259	68
1998	1,474	1,160	274	1,229	951	248	246	208	26	137	116	16	305	244	47	672	517	142	360	283	69
1999	1,636	1,307	292	1,378	1,079	270	258	228	22	145	119	21	338	283	43	750	587	151	403	318	77
<b>QUARTERLY DATA</b>																					
1996: 1st quarter	293	235	52	243	192	47	50	44	5	24	21	3	56	45	9	136	108	26	77	61	15
2nd quarter	342	270	66	285	222	59	57	48	7	29	25	3	73	55	16	156	124	30	84	66	17
3rd quarter	382	301	71	314	243	64	69	59	7	32	28	3	88	68	16	169	134	32	94	71	20
4th quarter	394	322	63	321	257	57	74	65	6	40	34	5	87	76	8	177	141	32	91	71	17
1997: 1st quarter	310	251	51	255	204	45	55	47	5	32	27	5	61	48	10	143	120	20	74	56	16
2nd quarter	338	271	57	279	221	51	59	51	6	32	28	3	70	57	10	152	121	28	83	65	16
3rd quarter	363	287	66	302	235	59	61	52	7	35	30	(S)	81	63	15	163	128	32	84	66	16
4th quarter	389	307	73	316	244	65	72	63	7	35	31	(S)	83	68	12	176	136	38	94	72	20
1998: 1st quarter	300	234	58	250	193	52	50	40	6	26	22	3	62	47	10	137	104	31	76	60	15
2nd quarter	362	281	70	304	233	63	58	49	7	33	27	4	78	61	13	170	128	39	81	65	14
3rd quarter	403	315	78	338	260	71	65	56	8	38	33	4	83	65	16	184	142	39	98	76	20
4th quarter	409	330	68	337	266	62	72	64	6	41	34	5	82	70	8	181	144	33	105	81	21
1999: 1st quarter	348	279	58	292	230	53	57	49	5	28	24	3	66	54	8	169	132	32	86	69	14
2nd quarter	406	326	72	343	270	67	63	56	5	40	33	6	84	71	10	182	144	36	100	78	20
3rd quarter	431	336	85	365	278	79	67	59	6	40	32	6	91	73	15	197	151	43	104	80	22
4th quarter	450	366	76	378	301	71	71	64	5	37	30	5	97	84	10	203	160	40	113	91	20
2000: 1st quarter <sup>P</sup>	363	291	66	307	241	62	56	50	5	32	29	2	73	60	11	172	133	37	86	69	16
<b>AVERAGE RELATIVE STANDARD ERRORS<sup>3</sup></b>																					
Annual . . . . . (percent) . .	1	1	3	1	1	3	4	4	13	3	2	14	3	3	10	2	2	4	1	1	3
Quarterly . . . . . (percent) . .	2	2	6	2	2	6	6	6	25	6	6	14	5	5	18	3	3	9	3	3	7

<sup>P</sup>Preliminary. S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review.<sup>1</sup>Metropolitan statistical areas.<sup>2</sup>Includes units completed in structures with two to four units.<sup>3</sup>Average Relative Standard Errors (Avg. RSE): Annual--Avg. RSE for the last 2 years; Quarterly--Avg. RSE for the latest 2-quarter period (quarter 1 through quarter 2 or quarter 3 through quarter 4).

**Table 3. New Privately Owned Housing Units Under Construction**

[Thousands of units. Detail may not add to total because of rounding]

Period	Total	In structures with--				Inside MSAs <sup>1</sup>	Outside MSAs <sup>1</sup>	North-eastern	Midwest	South	West
		1 unit	2 units	3 and 4 units	5 units or more						
<b>ANNUAL DATA</b>											
1990	711.4	449.1	10.9	15.1	236.3	553.9	157.5	121.6	133.4	242.3	214.1
1991	606.3	433.5	9.1	14.5	149.2	458.4	147.9	103.9	122.4	208.5	171.6
1992	612.4	472.7	5.6	11.3	122.8	453.1	159.4	81.4	137.8	228.4	164.8
1993	680.1	543.0	6.5	12.4	118.2	521.0	159.1	89.3	154.4	265.4	170.9
1994	762.2	557.8	9.1	12.9	182.5	597.6	164.5	96.3	173.5	312.1	180.3
1995	775.9	547.2	8.4	12.7	207.7	620.1	155.8	86.3	172.0	331.4	186.3
1996	792.3	550.0	9.0	19.1	214.3	629.9	162.4	85.2	178.0	337.6	191.4
1997	846.7	554.6	11.2	20.7	260.2	683.5	163.2	87.1	181.9	364.8	213.0
1998	970.8	659.1	8.3	20.5	282.9	794.8	176.0	98.5	201.2	428.5	242.6
1999	992.6	679.0	8.2	13.8	291.6	822.1	170.6	107.3	215.7	437.1	232.6
<b>MONTHLY DATA</b>											
<b>Not Seasonally Adjusted</b>											
1999:											
January	962.2	650.7	8.1	18.7	284.6	790.9	171.3	96.0	194.5	427.9	243.7
February	971.3	655.0	7.5	17.8	291.1	803.0	168.3	97.9	191.9	437.9	243.7
March	991.4	673.0	7.9	15.6	294.8	820.8	170.6	99.1	194.6	452.9	244.9
April	1,013.1	690.6	8.5	15.3	298.7	839.4	173.6	99.3	203.1	461.6	249.2
May	1,031.5	710.8	8.9	15.1	296.7	853.6	177.9	99.2	209.3	466.7	256.4
June	1,038.1	722.0	9.1	14.5	292.6	856.0	182.2	102.0	216.1	466.3	253.8
July	1,053.6	737.4	8.6	14.1	293.5	869.6	184.0	105.6	220.3	469.7	258.0
August	1,061.5	743.2	8.2	14.9	295.2	877.6	183.9	108.8	221.7	467.7	263.4
September	1,053.2	735.6	8.1	15.5	294.0	871.3	181.9	108.1	221.8	465.3	258.0
October	1,051.6	733.9	9.0	14.8	293.9	870.5	181.0	109.8	227.9	462.4	251.4
November	1,036.7	717.1	8.7	14.5	296.3	857.3	179.4	109.6	226.6	453.5	247.0
December	992.6	679.0	8.2	13.8	291.6	822.1	170.6	107.3	215.7	437.1	232.6
2000:											
January <sup>f</sup>	985.2	667.8	8.5	13.8	295.1	818.8	166.4	106.2	207.5	438.4	233.2
February <sup>f</sup>	987.6	662.4	8.3	14.3	302.6	823.9	163.7	105.6	208.2	438.2	235.7
March <sup>p</sup>	991.4	672.0	8.0	13.5	298.0	827.0	164.4	106.5	204.9	445.4	234.6
<b>Seasonally Adjusted</b>											
1999:											
January	1,008	693	28		287	(NA)	(NA)	100	205	448	255
February	1,025	704	26		295	(NA)	(NA)	103	207	458	257
March	1,029	707	24		298	(NA)	(NA)	103	208	464	254
April	1,026	704	24		298	(NA)	(NA)	102	211	461	252
May	1,026	706	25		295	(NA)	(NA)	101	211	459	255
June	1,013	698	24		291	(NA)	(NA)	101	211	454	247
July	1,017	702	23		292	(NA)	(NA)	102	212	454	249
August	1,026	706	24		296	(NA)	(NA)	105	213	455	253
September	1,021	702	24		295	(NA)	(NA)	105	213	455	248
October	1,020	706	23		291	(NA)	(NA)	106	214	455	245
November	1,022	708	21		293	(NA)	(NA)	106	218	453	245
December	1,025	710	22		293	(NA)	(NA)	109	219	454	243
2000:											
January <sup>f</sup>	1,033	712	23		298	(NA)	(NA)	111	219	459	244
February <sup>f</sup>	1,040	711	23		306	(NA)	(NA)	111	224	457	248
March <sup>p</sup>	1,032	709	22		301	(NA)	(NA)	111	220	457	244
<b>AVERAGE RELATIVE STANDARD ERRORS<sup>2</sup></b>											
End of period . . . . .(percent) . .	1	2	9	12	3	1	5	4	4	2	2

NA Not available. <sup>p</sup>Preliminary. <sup>f</sup>Revised.

<sup>1</sup>Metropolitan statistical areas.

<sup>2</sup>Average Relative Standard Errors: Average for the latest 6-month period (January through June or July through December).



**Table 5. Seasonal Indexes Used to Adjust Housing Units Completed**

Period	United States implicit index <sup>1</sup>	In structures with--						All units			
		1 unit				2 to 4 units	5 units or more	North-east	Midwest	South	West
		North-east	Midwest	South	West						
<b>1999</b>											
December .....	113.7	117.7	115.4	114.6	113.6	107.1	109.6	118.0	112.6	113.0	115.2
<b>2000</b>											
January <sup>f</sup> .....	84.5	86.8	81.4	85.3	87.2	84.9	82.1	84.2	79.5	85.6	86.1
February <sup>f</sup> .....	82.2	82.6	71.7	87.1	84.3	84.0	80.2	83.2	73.5	85.6	84.9
March <sup>p</sup> .....	90.5	83.8	81.2	96.0	92.0	110.5	90.4	83.7	83.2	95.1	93.3

<sup>p</sup>Preliminary. <sup>f</sup>Revised.

<sup>1</sup>The implicit seasonal index is the ratio of the unadjusted number of housing units completed in the United States to the seasonally adjusted national total of housing units completed. It provides an indication of the overall seasonality for the particular month.

Note: These seasonal indexes include trading-day adjustment factors.

**Table 6. Seasonal Indexes Used to Adjust Housing Units Under Construction**

Period	United States implicit index <sup>1</sup>	In structures with--						All units			
		1 unit				2 to 4 units	5 units or more	North-east	Midwest	South	West
		North-east	Midwest	South	West						
<b>1999</b>											
December .....	96.8	99.0	96.9	94.9	94.6	101.2	99.4	98.8	98.7	96.2	95.8
<b>2000</b>											
January <sup>f</sup> .....	95.4	95.2	93.4	94.0	93.5	99.5	99.0	96.2	95.1	95.9	95.4
February <sup>f</sup> .....	95.0	92.2	91.5	94.3	92.8	97.8	98.9	95.2	93.0	96.0	94.9
March <sup>p</sup> .....	96.1	92.7	91.9	96.7	95.1	95.0	99.1	95.6	93.0	97.3	96.0

<sup>p</sup>Preliminary. <sup>f</sup>Revised.

<sup>1</sup>The implicit seasonal index is the ratio of the unadjusted number of housing units under construction in the United States to the seasonally adjusted national total of housing units under construction. It provides an indication of the overall seasonality for the particular month.

Note: These seasonal indexes include trading-day adjustment factors.

∞ Table 7a. **Selected Characteristics of New One-Family Houses Completed**

[Detail may not add to total because of rounding. Percents computed from unrounded figures]

Period	Total	Central air-conditioning		Heating fuel				Heating system				Fireplaces		
		Installed	Not installed	Gas	Electric	Oil	Other or none	Warm-air furnace	Heat pump	Hot water or steam	Other or none <sup>1</sup>	None	1	2 or more
Number of units (thousands)														
<b>ANNUAL DATA</b>														
1997	1,116	917	199	771	296	38	11	781	257	52	26	433	634	49
1998	1,160	957	203	809	307	34	10	835	248	46	30	449	649	62
1999 <sup>†</sup>	1,307	1,100	207	909	350	38	10	941	286	55	26	498	742	67
<b>QUARTERLY DATA</b>														
1997:														
1st quarter	251	208	43	171	66	10	4	167	66	12	6	100	143	8
2nd quarter	271	224	47	182	79	8	(B)	186	67	12	6	102	156	13
3rd quarter	287	235	52	204	71	9	(B)	206	63	12	5	110	165	12
4th quarter	307	251	56	214	80	11	3	217	67	16	8	120	171	16
1998:														
1st quarter	234	193	40	159	65	7	(B)	166	52	10	6	89	132	12
2nd quarter	281	234	47	194	77	8	(B)	201	65	9	7	106	159	17
3rd quarter	315	260	55	223	81	10	(B)	229	67	13	6	122	177	17
4th quarter	330	269	61	233	83	9	4	241	66	14	8	131	181	17
1999:														
1st quarter	279	240	39	189	81	7	(B)	198	65	10	6	107	160	13
2nd quarter	326	273	53	231	84	9	3	238	68	14	6	125	184	16
3rd quarter	336	283	53	231	91	12	(B)	239	74	16	7	134	185	18
4th quarter <sup>†</sup>	336	283	53	231	92	12	(B)	18						
2000:														
1st quarter <sup>P</sup>	291	246	45	199	81	9	(B)	202	72	12	4	115	162	14
<b>AVERAGE RSEs<sup>2</sup></b>														
Annual	1	2	8	2	6	13	31	1	5	14	17	4	2	6
Quarterly	2	2	9	3	7	21	47	2	6	16	22	5	3	7
Percent distribution														
<b>ANNUAL DATA</b>														
1997	100	82	18	69	26	3	1	70	23	5	2	39	57	4
1998	100	83	17	70	26	3	1	72	21	4	3	39	56	5
1999 <sup>†</sup>	100	84	16	70	27	3	1	72	22	4	2	38	57	5
<b>QUARTERLY DATA</b>														
1997:														
1st quarter	100	83	17	68	26	4	1	67	26	5	2	40	57	3
2nd quarter	100	82	18	67	29	3	(B)	69	25	4	2	38	58	5
3rd quarter	100	82	18	71	25	3	(B)	72	22	4	2	38	58	4
4th quarter	100	82	18	70	26	3	1	71	22	5	3	39	56	5
1998:														
1st quarter	100	83	17	68	28	3	(B)	71	22	4	3	38	57	5
2nd quarter	100	83	17	69	27	3	(B)	71	23	3	2	38	56	6
3rd quarter	100	83	17	71	26	3	(B)	73	21	4	2	39	56	5
4th quarter	100	82	18	71	25	3	1	73	20	4	3	40	55	5
1999:														
1st quarter	100	86	14	68	29	2	(B)	71	23	4	2	38	57	5
2nd quarter	100	84	16	71	26	3	1	73	21	4	2	38	57	5
3rd quarter	100	84	16	69	27	3	(B)	71	22	5	2	40	55	5
4th quarter <sup>†</sup>	100	84	16	69	27	3	(B)	71	22	5	2	39	55	5
2000:														
1st quarter <sup>P</sup>	100	84	16	68	28	3	(B)	70	25	4	1	39	56	5

B Withheld because estimate did not meet publications standards on the basis of sample size. <sup>P</sup>Preliminary. <sup>†</sup>Revised.

<sup>1</sup>Includes electric baseboard, panel, radiant heat, room or space heater, floor or wall furnace, solar heating, other types of heating systems or none.

<sup>2</sup>Average RSEs (Avg. RSE): Annual-Avg. RSE for the last 2 years; Quarterly-Avg. RSE for the latest 2-quarter period (quarter 1 through quarter 2 or quarter 3 through quarter 4).



**Table 7b. Selected Characteristics of New One-Family Houses Completed**

[Detail may not add to total because of rounding. Percents computed from unrounded figures]

Period	Total	Stories			Bedrooms			Bathrooms				Principal exterior wall material					
		1	2 or more <sup>1</sup>	Split level	2 or less	3	4 or more	1-1/2 or less	2	2-1/2	3 or more	Brick	Wood	Stucco	Vinyl siding	Aluminum siding	Other <sup>2</sup>
Number of units (thousands)																	
<b>ANNUAL DATA</b>																	
1997	1,116	542	546	28	142	624	350	98	461	373	185	231	211	178	405	18	73
1998	1,160	559	582	19	139	642	379	88	474	391	207	241	184	208	432	17	77
1999 <sup>p</sup>	1,307	622	670	15	159	703	445	92	499	442	274	272	186	235	507	16	91
<b>QUARTERLY DATA</b>																	
1997:																	
1st quarter	251	125	119	7	33	139	79	24	104	81	42	56	52	39	84	4	16
2nd quarter	271	131	132	8	33	153	85	23	114	90	44	52	54	45	97	4	18
3rd quarter	287	136	143	8	35	163	90	24	119	99	44	61	51	45	108	5	17
4th quarter	307	150	152	5	41	170	97	26	123	103	55	62	54	49	115	5	21
1998:																	
1st quarter	234	113	115	5	28	131	75	18	97	77	41	48	39	46	82	3	15
2nd quarter	281	134	142	5	34	156	91	21	116	95	50	60	46	50	103	4	18
3rd quarter	315	153	158	4	36	175	104	24	130	107	54	66	49	54	120	5	22
4th quarter	330	158	166	5	41	179	110	25	131	113	60	68	50	58	127	5	22
1999:																	
1st quarter	279	136	140	3	33	154	92	19	115	95	50	61	39	53	102	3	21
2nd quarter	326	153	168	5	43	174	110	22	131	110	63	69	50	55	126	4	23
3rd quarter	336	158	174	3	41	183	112	27	134	110	66	67	47	59	137	4	23
4th quarter <sup>r</sup>	336	159	174	3	42	183	112	26	130	109	71	67	47	59	137	4	23
2000:																	
1st quarter <sup>p</sup>	291	133	153	4	32	155	103	17	109	100	64	61	44	53	106	3	22
<b>AVERAGE RSEs<sup>3</sup></b>																	
Annual	1	3	2	15	5	2	3	6	3	3	3	7	8	6	5	16	8
Quarterly	2	3	3	25	7	3	3	9	4	4	4	8	10	7	5	18	9
Percent distribution																	
<b>ANNUAL DATA</b>																	
1997	100	49	49	3	13	56	31	9	41	33	17	21	19	16	36	2	6
1998	100	48	50	2	12	55	33	8	41	34	18	21	16	18	37	1	7
1999 <sup>p</sup>	100	48	51	1	12	54	34	7	38	34	21	21	14	18	39	1	7
<b>QUARTERLY DATA</b>																	
1997:																	
1st quarter	100	50	47	3	13	55	31	10	41	32	17	22	21	16	34	1	6
2nd quarter	100	48	49	3	12	56	31	9	42	33	16	19	20	17	36	2	7
3rd quarter	100	47	50	3	12	57	31	8	42	35	15	21	18	16	37	2	6
4th quarter	100	49	49	2	13	55	32	8	40	34	18	20	18	16	37	2	7
1998:																	
1st quarter	100	48	49	2	12	56	32	8	42	33	18	21	17	20	35	1	6
2nd quarter	100	48	51	2	12	56	32	7	41	34	18	21	16	18	37	1	6
3rd quarter	100	49	50	1	11	55	33	8	41	34	17	21	16	17	38	2	7
4th quarter	100	48	50	2	12	54	33	8	40	34	18	21	15	18	38	2	7
1999:																	
1st quarter	100	49	50	1	12	55	33	7	41	34	18	22	14	19	36	1	7
2nd quarter	100	47	52	1	13	53	34	7	40	34	19	21	15	17	38	1	7
3rd quarter	100	47	52	1	12	54	33	8	40	33	20	20	14	18	41	1	7
4th quarter <sup>r</sup>	100	47	52	1	12	54	33	8	39	32	21	20	14	18	41	1	7
2000:																	
1st quarter <sup>p</sup>	100	46	53	2	11	53	36	6	37	34	22	21	15	18	37	1	8

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Includes a small number of houses with one and one-half, two and one-half, or three stories. <sup>2</sup>Includes cinder block, stone, and other types. <sup>3</sup>Average RSEs (Avg. RSE): Annual-Avg. RSE for the last 2 years; Quarterly-Avg. RSE for the latest 2-quarter period (quarter 1 through quarter 2 or quarter 3 through quarter 4).

**Table 7c. Selected Characteristics of New One-Family Houses Completed**

[Detail may not add to total because of rounding. Percents computed from unrounded figures]

Period	Foundation				Parking facility					Square feet of floor area							Median	Average
	Total	Full or partial basement	Slab	Crawl space	Garage: 1 car	Garage: 2 cars	Garage: 3 cars or more	Carport	No garage or carport	Under 1,200	1,200 to 1,599	1,600 to 1,999	2,000 to 2,399	2,400 to 2,999	3,000 or more			
Number of units (thousands)															Square feet			
<b>ANNUAL DATA</b>																		
1997	1,116	409	500	207	83	716	158	15	144	88	232	251	204	178	164	1,975	2,150	
1998	1,160	427	524	209	81	742	179	15	142	83	237	258	208	191	182	2,000	2,190	
1999 <sup>f</sup>	1,307	478	612	217	91	846	203	15	152	90	252	287	236	218	223	2,030	2,225	
<b>QUARTERLY DATA</b>																		
1997: 1st quarter	251	88	114	49	19	161	34	4	33	21	54	53	47	39	38	1,985	2,150	
2nd quarter	271	100	123	49	20	175	39	4	34	21	55	62	48	44	39	1,965	2,150	
3rd quarter	287	108	128	52	22	189	37	4	35	23	59	68	53	45	39	1,945	2,130	
4th quarter	307	114	136	57	22	193	48	3	41	22	64	67	56	50	47	2,000	2,170	
1998: 1st quarter	234	87	108	39	17	151	37	3	26	16	50	51	44	37	36	2,000	2,180	
2nd quarter	281	100	132	49	22	179	42	3	36	21	58	64	49	46	43	1,985	2,165	
3rd quarter	315	115	139	62	22	204	48	4	37	22	65	71	57	51	49	2,000	2,190	
4th quarter	330	125	146	59	21	209	52	4	43	24	64	72	58	57	54	2,015	2,220	
1999: 1st quarter	279	93	138	48	18	182	43	4	32	18	52	64	51	49	46	2,035	2,225	
2nd quarter	326	127	145	55	24	212	49	4	38	25	60	69	62	55	56	2,050	2,230	
3rd quarter	336	123	158	55	23	215	53	4	42	26	66	74	59	55	56	2,000	2,210	
4th quarter <sup>f</sup>	336	123	158	55	23	216	52	4	42	26	66	74	59	55	56	2,000	2,210	
2000: 1st quarter <sup>P</sup>	291	107	138	46	19	191	47	4	30	17	52	65	55	48	53	2,070	2,275	
<b>AVERAGE RSEs<sup>1</sup></b>																		
Annual . . . . . (percent)	1	4	4	8	5	2	3	14	6	7	4	2	3	3	4	1	1	
Quarterly . . . . . (percent)	2	5	4	10	8	2	4	17	9	9	5	4	4	4	4	1	1	
Percent distribution																		
<b>ANNUAL DATA</b>																		
1999	100	37	45	19	7	64	14	1	13	8	21	22	18	16	15	(X)	(X)	
1998	100	37	45	18	7	64	15	1	12	7	20	22	18	16	16	(X)	(X)	
1999 <sup>f</sup>	100	37	47	17	7	65	16	1	12	7	19	22	18	17	17	(X)	(X)	
<b>QUARTERLY DATA</b>																		
1997: 1st quarter	100	35	45	19	8	64	14	1	13	8	21	21	19	16	15	(X)	(X)	
2nd quarter	100	37	45	18	7	64	14	1	13	8	20	23	18	16	15	(X)	(X)	
3rd quarter	100	37	45	18	8	66	13	1	12	8	21	24	18	16	14	(X)	(X)	
4th quarter	100	37	44	19	7	63	16	1	13	7	21	22	18	16	15	(X)	(X)	
1998: 1st quarter	100	37	46	17	7	65	16	1	11	7	21	22	19	16	15	(X)	(X)	
2nd quarter	100	35	47	18	8	64	15	1	13	7	21	23	18	16	15	(X)	(X)	
3rd quarter	100	37	44	20	7	65	15	1	12	7	21	22	18	16	15	(X)	(X)	
4th quarter	100	38	44	18	6	63	16	1	13	7	19	22	18	17	17	(X)	(X)	
1999: 1st quarter	100	33	49	17	7	65	16	1	11	7	19	23	18	17	16	(X)	(X)	
2nd quarter	100	39	44	17	7	65	15	1	11	8	18	21	19	17	17	(X)	(X)	
3rd quarter	100	37	47	16	7	64	16	1	12	8	20	22	18	16	17	(X)	(X)	
4th quarter <sup>f</sup>	100	37	47	16	7	64	16	1	12	8	20	22	18	16	17	(X)	(X)	
2000: 1st quarter <sup>P</sup>	100	37	48	16	6	66	16	1	10	6	18	22	19	16	18	(X)	(X)	

<sup>P</sup>Preliminary. <sup>f</sup>Revised. X Not applicable.

<sup>1</sup>Average RSEs (Avg. RSE): Annual-Avg. RSE for the last 2 years; Quarterly- Avg. RSE for the latest 2-quarter period (quarter 1 through quarter 2 or quarter 3 through quarter 4).

**Table 8. Selected Characteristics of Housing Units in New Privately Owned Buildings Completed With 2 Units or More**

[Detail may not add to total because of rounding. Percents computed from unrounded figures]

Period	Number of floors per building			Number of units per building						Number of bedrooms per unit				Number of bathrooms per unit			Square feet per unit <sup>1</sup>	
	Total	1 to 3	4 or more	2 to 4	5 to 9	10 to 19	20 to 29	30 to 49	50 or more	Efficiency	1	2	3 or more	1	1-1/2	2 or more	Median	Average
Number of units (thousands)																	Square feet	
<b>ANNUAL DATA</b>																		
1997	284	259	25	37	54	86	57	22	28	6	76	155	46	120	25	139	1,050	1,095
1998	314	287	27	41	46	88	80	23	37	7	93	163	51	136	23	156	1,020	1,065
1999 <sup>f</sup>	329	292	37	37	55	89	78	29	41	8	95	161	64	131	21	177	1,060	1,105
<b>QUARTERLY DATA</b>																		
1997:																		
1st quarter	59	55	4	8	10	20	11	4	6	3	14	34	8	26	5	28	1,020	1,100
2nd quarter	67	62	5	10	12	25	12	4	5	1	18	39	9	26	7	33	1,040	1,065
3rd quarter	76	69	7	10	15	20	16	8	8	1	20	40	15	32	8	37	1,055	1,090
4th quarter	82	73	9	9	16	21	18	6	11	2	24	41	14	37	5	40	1,075	1,115
1998:																		
1st quarter	67	61	6	9	10	22	19	4	4	1	19	36	10	28	6	33	1,030	1,075
2nd quarter	81	73	8	11	11	23	21	6	9	2	22	43	13	34	7	40	1,020	1,070
3rd quarter	88	82	6	10	11	25	23	7	13	2	28	42	15	40	5	43	995	1,060
4th quarter	79	71	9	11	15	19	16	7	12	2	24	41	13	34	5	40	1,030	1,060
1999:																		
1st quarter	70	62	7	11	15	16	12	5	10	1	21	33	15	27	6	37	1,060	1,100
2nd quarter	80	68	12	8	12	19	21	7	14	2	5	42	12	32	6	42	1,070	1,120
3rd quarter	95	87	8	10	15	31	22	8	8	2	27	46	21	39	6	51	1,055	1,100
4th quarter <sup>f</sup>	84	75	10	8	13	23	23	9	9	4	23	41	17	34	4	47	1,055	1,095
2000:																		
1st quarter <sup>p</sup>	72	62	10	6	11	20	17	8	10	2	23	37	10	30	5	37	1,040	1,080
<b>AVERAGE RELATIVE STANDARD ERRORS<sup>2</sup></b>																		
Annual . . . . .(percent)	3	3	7	7	6	6	7	14	9	16	5	4	5	4	15	4	1	1
Quarterly . . . . .(percent)	5	6	13	17	12	9	11	13	16	34	7	6	10	8	15	6	1	1
Percent distribution																		
<b>ANNUAL DATA</b>																		
1997	100	91	9	13	19	30	20	8	10	2	27	55	16	42	9	49	(X)	(X)
1998	100	91	9	13	15	28	25	7	12	2	30	52	16	43	7	49	(X)	(X)
1999 <sup>f</sup>	100	89	11	11	17	27	24	9	12	3	29	49	20	40	6	54	(X)	(X)
<b>QUARTERLY DATA</b>																		
1997:																		
1st quarter	100	93	7	14	18	33	19	7	9	4	24	58	13	44	8	48	(X)	(X)
2nd quarter	100	92	8	15	18	37	18	7	7	1	26	59	14	39	11	50	(X)	(X)
3rd quarter	100	91	9	13	19	27	21	10	10	1	26	53	19	41	10	49	(X)	(X)
4th quarter	100	89	11	11	20	26	22	8	13	2	30	50	17	45	6	49	(X)	(X)
1998:																		
1st quarter	100	9	2	8	13	33	28	5	6	2	28	54	16	41	9	50	(X)	(X)
2nd quarter	100	90	10	13	14	29	26	7	11	2	27	54	16	42	9	49	(X)	(X)
3rd quarter	100	93	7	11	13	28	26	8	14	3	32	48	17	45	5	49	(X)	(X)
4th quarter	100	89	11	14	19	23	20	8	15	2	30	51	17	43	6	51	(X)	(X)
1999:																		
1st quarter	100	89	11	17	21	23	18	7	14	1	30	48	21	38	8	54	(X)	(X)
2nd quarter	100	85	15	10	15	23	26	8	18	2	31	52	15	40	7	53	(X)	(X)
3rd quarter	100	92	8	10	16	33	23	9	9	2	28	48	22	40	6	53	(X)	(X)
4th quarter <sup>f</sup>	100	89	11	10	15	27	27	11	11	5	27	48	20	40	4	6	(X)	(X)
2000:																		
1st quarter <sup>p</sup>	100	86	14	8	15	28	24	11	14	2	3	51	14	42	7	51	(X)	(X)

<sup>p</sup>Preliminary. <sup>r</sup>Revised. X Not applicable.

<sup>1</sup>Figures based on exterior dimensions times number of floors divided by number of units.

<sup>2</sup>Average Relative Standard Errors (Avg. RSE): Annual--Avg. RSE for the last 2 years; Quarterly--Avg. RSE for the latest 2-quarter period (quarter 1 through quarter 2 or quarter 3 through quarter 4).

**Table 9. Selected Characteristics of New Privately Owned Buildings Completed With 2 Units or More**  
 [Detail may not add to total because of rounding. Percents computed from unrounded figures]

Period	Total	Number of units per building						Number of floors per building		
		2 to 4	5 to 9	10 to 19	20 to 29	30 to 49	50 or more	1 to 3	4 or more	
Number of buildings (thousands)										
<b>ANNUAL DATA</b>										
1997 .....	30	13	7	6	2	1	(Z)	30	1	
1998 .....	32	15	6	6	3	1	(Z)	31	1	
1999 <sup>f</sup> .....	32	13	8	7	3	1	(Z)	31	1	
<b>QUARTERLY DATA</b>										
1997: 1st quarter .....	6	3	1	1	(Z)	(Z)	(Z)	6	(Z)	
2nd quarter .....	8	3	2	2	1	(Z)	(Z)	7	(Z)	
3rd quarter .....	8	3	2	2	1	(Z)	(Z)	8	(Z)	
4th quarter .....	8	3	2	1	1	(Z)	(Z)	8	(Z)	
1998: 1st quarter .....	7	3	1	2	1	(Z)	(Z)	7	(Z)	
2nd quarter .....	8	4	2	2	1	(Z)	(Z)	8	(Z)	
3rd quarter .....	8	4	2	2	1	(Z)	(Z)	8	(Z)	
4th quarter .....	8	4	2	1	1	(Z)	(Z)	8	(Z)	
1999: 1st quarter .....	8	4	2	1	1	(Z)	(Z)	8	(Z)	
2nd quarter .....	7	3	2	1	1	(Z)	(Z)	7	(Z)	
3rd quarter .....	9	3	2	2	1	(Z)	(Z)	9	(Z)	
4th quarter <sup>f</sup> .....	8	3	2	2	1	(Z)	(Z)	7	(Z)	
2000: 1st quarter <sup>P</sup> .....	6	2	2	2	1	(Z)	(Z)	6	(Z)	
<b>AVERAGE RELATIVE STANDARD ERRORS<sup>1</sup></b>										
Annual .....	3	7	6	7	7	14	12	4	9	
Quarterly .....	8	15	12	9	11	13	19	8	11	
Percent distribution										
<b>ANNUAL DATA</b>										
1997 .....	100	44	24	21	8	2	1	98	2	
1998 .....	100	46	20	20	11	2	1	98	2	
1999 <sup>f</sup> .....	100	40	24	21	11	3	1	97	3	
<b>QUARTERLY DATA</b>										
1997: 1st quarter .....	100	45	22	22	8	2	1	98	2	
2nd quarter .....	100	46	21	23	7	2	1	99	1	
3rd quarter .....	100	44	25	19	9	3	1	98	2	
4th quarter .....	100	41	27	18	10	2	1	98	2	
1998: 1st quarter .....	100	45	19	23	12	1	1	98	2	
2nd quarter .....	100	47	19	20	11	2	2	98	2	
3rd quarter .....	100	44	19	22	12	2	1	99	1	
4th quarter .....	100	48	24	16	9	2	1	98	2	
1999: 1st quarter .....	100	48	27	15	7	2	2	98	2	
2nd quarter .....	100	39	24	20	13	3	2	96	4	
3rd quarter .....	100	38	23	26	10	2	1	98	2	
4th quarter <sup>f</sup> .....	100	38	23	22	13	3	1	97	3	
2000: 1st quarter <sup>P</sup> .....	100	34	25	24	12	4	1	97	3	

<sup>P</sup>Preliminary. <sup>f</sup>Revised. Z Fewer than 500 buildings or less than 0.5 percent.

<sup>1</sup>Average Relative Standard Errors (Avg. RSE): Annual--Avg. RSE for the last 2 years; Quarterly--Avg. RSE for the latest 2-quarter period (quarter 1 through quarter 2 or quarter 3 through quarter 4).