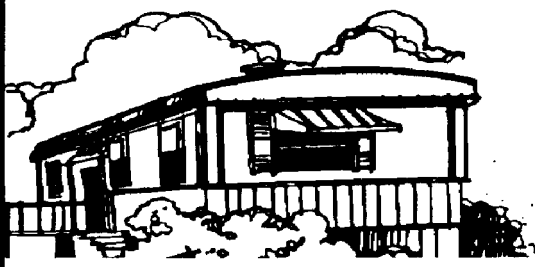
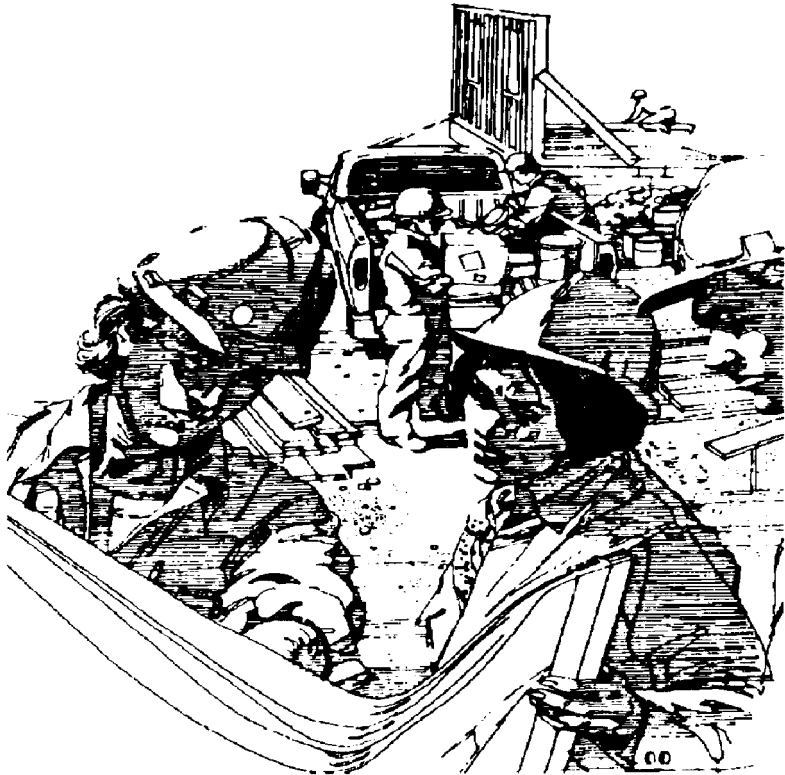


Characteristics of New Housing: 1990

Current Construction Reports

C25-9013



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Development

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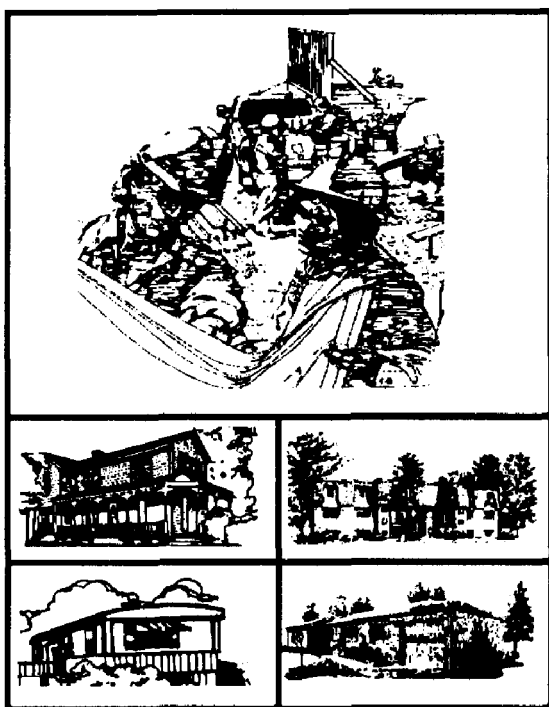
Connie Casey was responsible for overseeing this report on behalf of the Department of Housing and Urban Development.

The Bureau of the Census is indebted to thousands of respondents included in the samples. Without their cooperation in providing information this report would not have been possible. The Bureau also extends its appreciation to the field interviewers responsible for collecting the basic data.

Characteristics of New Housing: 1990

Current Construction Reports

C25-9013



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Preface

This report on the characteristics of new housing in 1990 is derived from the Bureau of the Census' Survey of Construction, Survey of New Mobile Home Placements, and Survey of Market Absorption, which are sponsored, all or in part, by the U. S. Department of Housing and Urban Development. The report includes sections on the characteristics of single and multifamily housing completed, one-family houses sold, contractor-built houses started, new mobile home placements, and a supplement on the types and characteristics of apartment units completed in buildings having five units or more.

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Introduction

This annual report on new housing is published jointly by the U.S. Department of Commerce, Bureau of the Census, and the U.S. Department of Housing and Urban Development. This report provides annual estimates on selected financial and physical characteristics of new housing.

This report is divided into six parts:

Part 1, *New Privately Owned Housing Units Completed*, provides data on new housing completions by purpose of construction and location.

Part 2, *Privately Owned One-Family Houses Completed*, provides estimates about various characteristics of completed new one-family houses by purpose of construction. These estimates are shown for the United States, the four Census regions, and "inside" and "outside" of metropolitan statistical areas (MSA's). Estimates were compiled for types of financing, with or without central air-conditioning, number of bathrooms, number of bedrooms, type of exterior wall material, number of fireplaces, type of foundation, type of heating system, type of heating fuel, type of parking facility, number of stories, and square feet of floor area.

Part 3, *Privately Owned Multifamily Housing Completed*, provides estimates for the United States and the four Census regions on selected physical characteristics of buildings having two units or more. Characteristics shown for buildings include the number of floors, number of units per building, with or without air-conditioning, and type of heating fuel. These characteristics are also tabulated by the number of units. In addition, units are tabulated by square feet, number of bedrooms, and number of bathrooms. Estimates are also provided for the median and average square feet per unit.

Part 4, *New One-Family Houses Sold*, provides estimates on financial and physical characteristics of new houses sold, which includes one-family houses sold under condominium arrangements. Financial characteristics are shown from 1986. Most physical characteristics are shown for the current year, as well as for attached and detached houses sold.

Part 5, *Contractor-Built Houses Started*, provides estimates of financial characteristics for new contractor-built houses started during 1990. This category covers custom-built houses; that is, houses built by a single general contractor on the owner's land for the owner's occupancy.

Part 6, *Mobile Home Placements*, provides data on physical characteristics as well as price data for new mobile homes placed. Separate data are provided for single wide and double wide placements.

In addition, this report contains a supplement on characteristics of apartment units completed in buildings containing five units or more based upon the Survey of Market Absorption (SOMA). This supplement shows data on the types of units completed as well as characteristics data about unfurnished rental apartment units and units sold through condominium arrangements for the current year.

The estimates in this report are produced from sample surveys and are subject to sampling variability as well as to errors of response and nonreporting. These estimates may differ from similar data published by other Federal Government agencies because of differences in definitions, methodology, and sampling variability. Other principal sources of such data are—

- a. Data on operations of the Federal Housing Administration (FHA) and Farmers Home Administration (FmHA). The various publications of the FHA and FmHA provide more detailed data on the activities of those agencies and the characteristics of houses built under their respective programs.
- b. The Office of Thrift Supervision (OTS) series on Interest Rates and Other Characteristics of Conventional First Mortgage Loans.

The OTS series on conventional first mortgage loans on new houses include information obtained from institutional mortgage lenders on prices of new houses financed with conventional mortgages.

Table Finding Guide

Characteristics	New privately owned housing units completed (table 1)	Privately owned one-family houses completed (tables 2-14)	Privately owned multifamily housing completed (tables 15-16)	New one-family houses sold (tables 17-24)	Contractor-built houses started (tables 25-26)	Mobile home placements (tables 27-29)
Air-conditioning	(X)	2	15,16	21,22	(X)	27
Appliances	(X)	(X)	(X)	21,23	(X)	(X)
Attached	(X)	(X)	(X)	22	(X)	(X)
Bathrooms	(X)	3	16	21,22	(X)	(X)
Bedrooms	(X)	4	16	21,22	(X)	27
Closing costs	(X)	(X)	(X)	18,21	(X)	(X)
Detached	(X)	(X)	(X)	22	(X)	(X)
Exterior wall material	(X)	5	(X)	21,22	(X)	(X)
Financing	(X)	6,14	(X)	17,18,21	(X)	(X)
Fireplaces	(X)	7	(X)	21,22	(X)	(X)
Floors/stories	(X)	12	15,16	21	(X)	(X)
Foundation	(X)	8	(X)	21,22	(X)	27
Heating fuel	(X)	9	15,16	21,22	(X)	(X)
Heat pump	(X)	10	15,16	21,22	(X)	(X)
Heating system	(X)	10	(X)	21,22	(X)	(X)
Location of mobile home placements	(X)	(X)	(X)	(X)	(X)	27
Lot size	(X)	(X)	(X)	21	(X)	(X)
Mortgage, first or second	(X)	(X)	(X)	21	(X)	(X)
Parking facilities or spaces	(X)	11	(X)	21,22	(X)	(X)
Purpose of construction	1	2-14	(X)	(X)	(X)	(X)
Sales price/ contract price	(X)	(X)	(X)	17,21	25	(X)
Median	(X)	(X)	(X)	17,21,22	25	29
Average	(X)	(X)	(X)	17,21,22	25	29
Per square foot	(X)	(X)	(X)	19,21,22	26	(X)
Median	(X)	(X)	(X)	19,21,22	26	(X)
Average	(X)	(X)	(X)	19,21,22	26	(X)
Index	(X)	(X)	(X)	24	(X)	(X)
Square feet of floor area	(X)	13	16	20-22	(X)	(X)
Median	(X)	14	16	20-22	(X)	28
Average	(X)	14	16	20-22	(X)	28
Units in building	1	(X)	15-16	(X)	(X)	(X)

X Not applicable.

Table 1. Purpose of Construction of New Privately Owned Housing Units Completed, by Location: 1986 to 1990

[In thousands of units. Components may not add to totals because of rounding]

Location and year	All units	In structures with—							
		1 unit					2 units or more		
		Total	For sale	For owner occupancy on owner's land		For rent	Total	For sale	For rent
				Contractor-built	Owner-built				
UNITED STATES									
1986	1 756	1 120	724	190	172	34	636	133	503
1987	1 669	1 123	706	203	176	37	546	134	412
1988	1 530	1 085	688	199	164	34	445	117	329
1989	1 423	1 026	661	188	147	31	397	90	307
1990	1 308	966	594	199	147	26	342	76	266
INSIDE MSA'S									
1986	1 502	918	669	120	103	26	584	(NA)	(NA)
1987	1 420	917	653	130	102	32	503	(NA)	(NA)
1988	1 286	876	628	123	100	26	410	(NA)	(NA)
1989	1 181	823	600	113	85	26	358	(NA)	(NA)
1990	1 060	759	537	120	85	17	302	(NA)	(NA)
OUTSIDE MSA'S									
1986	254	202	55	71	69	7	52	(NA)	(NA)
1987	248	206	53	73	74	5	43	(NA)	(NA)
1988	244	208	60	77	64	8	36	(NA)	(NA)
1989	242	203	61	75	62	5	38	(NA)	(NA)
1990	248	207	57	79	63	9	40	(NA)	(NA)
NORTHEAST									
1986	254	193	133	26	30	4	61	34	27
1987	257	196	131	31	31	4	62	44	18
1988	250	188	127	27	30	4	62	48	15
1989	219	159	101	26	27	5	60	29	30
1990	158	127	73	26	24	3	31	15	16
MIDWEST									
1986	270	170	90	40	36	4	100	15	84
1987	302	201	104	45	44	8	101	16	85
1988	280	191	100	46	38	7	89	13	76
1989	267	191	100	43	40	8	76	12	64
1990	263	195	99	52	38	6	68	11	57
SOUTH									
1986	764	505	316	95	75	18	259	49	210
1987	660	467	279	98	71	19	193	39	155
1988	595	457	280	96	64	17	138	30	108
1989	549	420	261	92	54	12	129	23	106
1990	511	389	236	90	53	10	121	26	96
WEST									
1986	469	253	185	29	31	7	216	35	181
1987	449	259	192	30	30	6	190	36	154
1988	405	248	181	30	31	6	156	26	130
1989	387	257	199	26	25	6	131	24	106
1990	376	255	186	31	32	7	121	24	97

NA Not available.

Table 2. Central Air-Conditioning, by Category of House and Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and central air-conditioning	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL NEW HOUSES¹										
United States	966	1 026	1 085	1 123	1 120	100	100	100	100	100
Installed	731	785	810	801	775	76	77	75	71	69
Not installed	235	241	275	322	346	24	23	25	29	31
Inside MSA's	759	823	876	917	918	100	100	100	100	100
Installed	611	668	697	698	677	81	81	80	76	74
Not installed	148	154	179	219	241	19	19	20	24	26
Outside MSA's	207	203	208	206	202	100	100	100	100	100
Installed	121	118	113	102	97	59	58	55	50	48
Not installed	86	86	95	103	105	41	42	45	50	52
Northeast	127	159	188	196	193	100	100	100	100	100
Installed	63	86	97	93	84	50	54	52	48	43
Not installed	64	73	91	102	109	50	46	48	52	57
Midwest	195	191	191	201	170	100	100	100	100	100
Installed	145	139	136	134	105	75	73	71	67	62
Not installed	50	51	55	67	65	25	27	29	33	38
South	389	420	457	467	505	100	100	100	100	100
Installed	369	394	428	432	460	95	94	94	92	91
Not installed	20	26	29	35	45	5	6	6	8	9
West	255	257	248	259	253	100	100	100	100	100
Installed	153	164	148	141	126	60	64	60	55	50
Not installed	102	93	100	117	126	40	36	40	45	50
HOUSES BUILT FOR SALE										
United States	594	661	688	706	724	100	100	100	100	100
Installed	481	536	557	542	539	81	81	81	77	75
Not installed	114	125	131	165	185	19	19	19	23	25
Inside MSA's	537	600	628	653	669	100	100	100	100	100
Installed	444	499	522	513	508	89	83	83	79	76
Not installed	93	101	106	140	161	17	17	17	21	24
Outside MSA's	57	61	60	53	55	100	100	100	100	100
Installed	37	37	35	28	31	65	61	59	53	57
Not installed	20	24	25	25	24	35	39	41	47	43
Northeast	73	101	127	131	133	100	100	100	100	100
Installed	43	64	81	76	70	58	64	63	58	53
Not installed	31	37	46	55	63	42	36	37	42	47
Midwest	99	100	100	104	90	100	100	100	100	100
Installed	81	79	77	76	61	82	79	77	73	68
Not installed	17	21	23	28	29	18	21	23	27	32
South	236	261	280	279	316	100	100	100	100	100
Installed	232	254	275	272	306	98	97	98	97	97
Not installed	4	8	5	7	10	2	3	2	3	3
West	186	199	181	192	185	100	100	100	100	100
Installed	124	139	125	117	102	67	70	69	61	55
Not installed	62	60	56	75	84	33	30	31	39	45
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	100	100	100	100	100
Installed	142	136	134	132	119	72	73	68	65	63
Not installed	57	52	65	71	72	28	27	32	35	38
Inside MSA's	120	113	123	130	120	100	100	100	100	100
Installed	92	88	90	93	84	77	78	74	72	71
Not installed	27	25	33	36	35	23	22	26	28	29
Outside MSA's	79	75	77	73	71	100	100	100	100	100
Installed	49	48	44	39	34	63	65	58	53	48
Not installed	30	27	33	34	37	37	35	42	47	52
Northeast	26	26	27	31	26	100	100	100	100	100
Installed	11	11	9	10	7	43	41	33	34	27
Not installed	15	15	18	20	19	57	59	67	66	73
Midwest	52	43	46	45	40	100	100	100	100	100
Installed	34	29	31	28	22	66	68	66	62	54
Not installed	18	14	16	17	18	34	32	34	38	46
South	90	92	96	98	95	100	100	100	100	100
Installed	82	83	84	83	79	92	90	87	85	83
Not installed	8	9	12	15	16	8	10	13	15	17
West	31	26	30	30	29	100	100	100	100	100
Installed	14	12	11	11	11	45	46	36	37	37
Not installed	17	14	19	19	18	55	54	64	63	63

See footnotes at end of table.

Table 2. Central Air-Conditioning, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and central air-conditioning	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Installed	92	89	94	99	92	63	61	58	56	54
Not installed	55	58	70	77	80	37	39	42	44	46
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Installed	61	60	66	68	65	72	71	66	66	63
Not installed	23	25	34	35	38	28	29	34	34	37
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Installed	31	29	28	31	27	49	46	45	42	39
Not installed	33	33	36	43	42	51	54	55	58	61
Northeast	24	27	30	31	30	100	100	100	100	100
Installed	7	7	6	6	5	30	25	20	19	16
Not installed	17	20	24	25	25	70	75	80	81	84
Midwest	38	40	38	44	36	100	100	100	100	100
Installed	25	25	24	24	19	65	63	62	55	52
Not installed	13	15	15	20	17	35	37	38	45	48
South	53	54	64	71	75	100	100	100	100	100
Installed	46	45	53	59	57	86	84	83	83	76
Not installed	7	9	11	12	18	14	16	17	17	24
West	32	25	31	30	31	100	100	100	100	100
Installed	13	11	10	10	11	41	41	33	32	35
Not installed	19	15	21	20	20	59	59	67	68	65

¹Includes houses built for rent (not shown separately).

Figure 1.
New Houses With Air-Conditioning

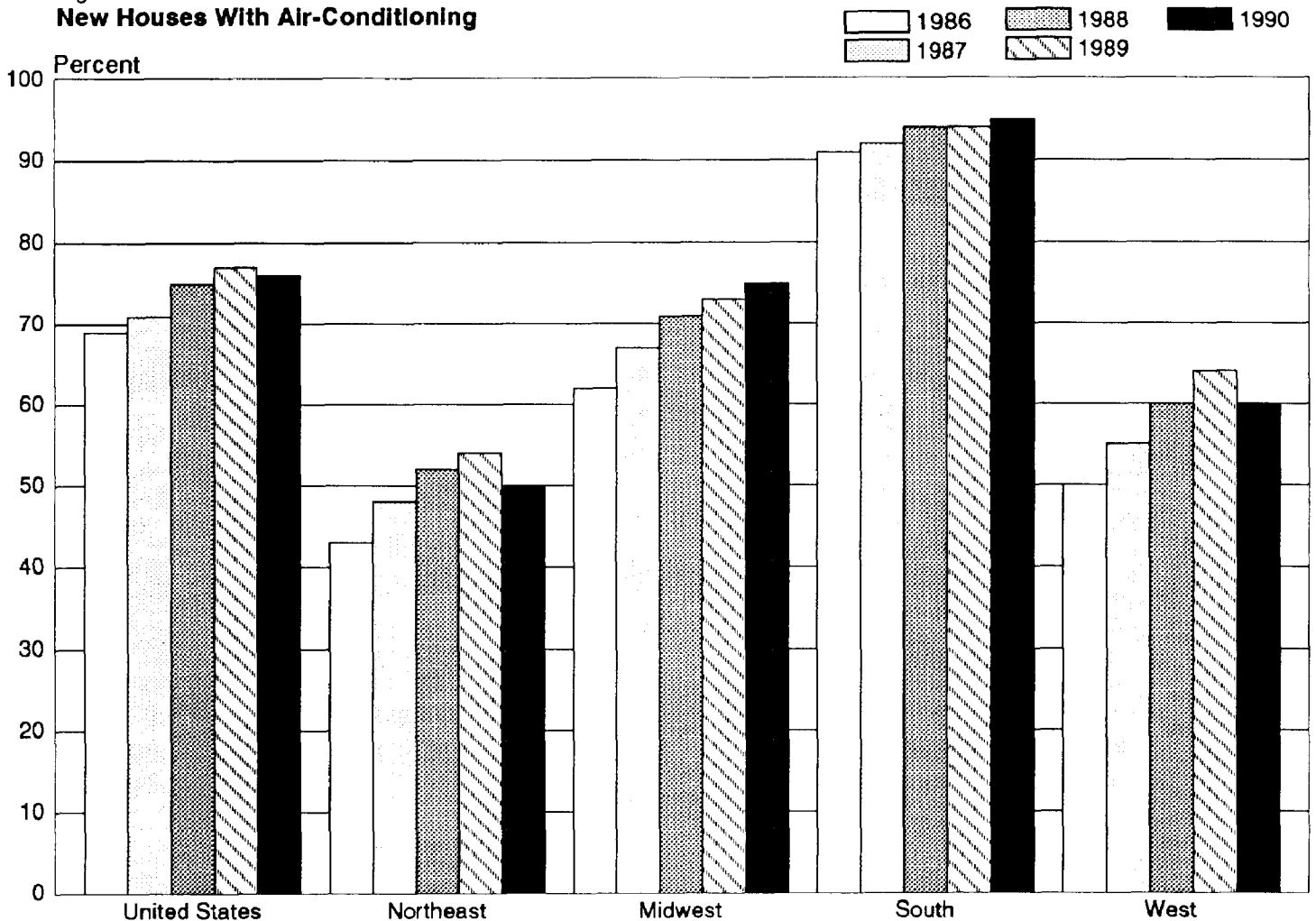


Table 3. Number of Bathrooms, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and number of bathrooms	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
Northeast	26	26	27	31	26	100	100	100	100	100
1 bathroom	3	3	3	3	4	10	11	12	10	15
1 1/2 bathrooms	(B)	3	3	4	4	(B)	12	12	12	17
2 bathrooms	7	9	8	11	9	28	33	31	34	34
2 1/2 bathrooms or more	14	12	12	13	9	53	44	45	44	34
Midwest	52	43	46	45	40	100	100	100	100	100
1 bathroom	6	6	4	6	6	12	13	8	13	15
1 1/2 bathrooms	(B)	3	3	3	3	(B)	7	6	8	9
2 bathrooms	20	17	19	15	14	39	39	41	34	36
2 1/2 bathrooms or more	23	17	21	20	16	44	40	45	45	40
South	90	92	96	98	95	100	100	100	100	100
1 bathroom	8	9	9	10	10	9	10	9	10	11
1 1/2 bathrooms	4	5	6	6	7	5	6	7	6	7
2 bathrooms	48	48	50	53	53	53	52	52	55	56
2 1/2 bathrooms or more	30	29	31	29	25	33	32	32	29	26
West	31	26	30	30	29	100	100	100	100	100
1 bathroom	(B)	(B)	4	3	4	(B)	(B)	12	9	14
1 1/2 bathrooms	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
2 bathrooms	13	12	13	13	14	43	45	43	44	49
2 1/2 bathrooms or more	16	13	13	13	10	51	48	43	43	33
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
1 bathroom	20	19	22	29	28	13	13	13	17	16
1 1/2 bathrooms	7	10	11	10	13	5	7	7	6	8
2 bathrooms	63	63	72	77	78	43	43	44	44	45
2 1/2 bathrooms or more	57	55	60	59	53	39	38	36	34	31
Inside MSA's	85	85	100	102	103	100	100	100	100	100
1 bathroom	8	7	8	11	12	9	8	8	10	12
1 1/2 bathrooms	4	5	6	6	7	5	6	5	6	7
2 bathrooms	32	32	39	43	45	38	38	40	42	44
2 1/2 bathrooms or more	41	41	47	43	39	48	49	46	42	38
Outside MSA's	63	62	64	74	69	100	100	100	100	100
bathroom	12	12	14	19	16	19	20	21	25	23
1 1/2 bathrooms	3	5	5	5	6	5	8	8	6	9
2 bathrooms	31	31	32	35	33	50	50	50	47	48
2 1/2 bathrooms or more	16	14	13	16	14	26	22	21	22	20
Northeast	24	27	30	31	30	100	100	100	100	100
1 bathroom	4	4	4	5	6	16	13	14	17	19
1 1/2 bathrooms	(B)	3	3	4	4	(B)	10	10	13	12
2 bathrooms	8	9	10	11	11	32	33	32	35	38
2 1/2 bathrooms or more	11	12	13	11	9	44	43	44	35	30
Midwest	38	40	38	44	36	100	100	100	100	100
1 bathroom	6	5	5	7	5	14	12	13	16	15
1 1/2 bathrooms	3	3	3	3	3	9	9	8	7	9
2 bathrooms	15	16	13	18	15	39	41	35	42	42
2 1/2 bathrooms or more	14	15	17	15	12	37	39	44	35	33
South	53	54	64	71	75	100	100	100	100	100
1 bathroom	6	7	8	11	12	12	14	13	16	16
1 1/2 bathrooms	(B)	(B)	3	(B)	4	(B)	(B)	5	(B)	6
2 bathrooms	28	28	35	36	38	53	51	55	50	50
2 1/2 bathrooms or more	17	17	18	22	21	33	31	27	31	28
West	32	25	31	30	31	100	100	100	100	100
1 bathroom	4	3	4	6	5	12	13	13	19	16
1 1/2 bathrooms	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
2 bathrooms	12	10	14	12	14	39	39	45	41	45
2 1/2 bathrooms or more	15	11	12	11	11	46	43	39	37	34

B Withheld because estimate did not meet publication standards on the basis of sample size.

*Includes houses built for rent (not shown separately).

Note: The few houses having less than 1 bathroom are included with those having 1 bathroom.

Table 4. Number of Bedrooms, by Category of House and Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and number of bedrooms	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL NEW HOUSES¹										
United States	966	1 026	1 085	1 123	1 120	100	100	100	100	100
2 bedrooms or less	142	159	190	212	238	15	15	17	19	21
3 bedrooms	547	582	617	653	657	57	57	57	58	59
4 bedrooms or more	277	284	278	258	225	29	28	26	23	20
Inside MSA's	759	823	876	917	918	100	100	100	100	100
2 bedrooms or less	86	107	126	153	175	11	13	14	17	19
3 bedrooms	421	455	495	528	537	56	55	56	58	58
4 bedrooms or more	252	261	255	236	206	33	32	29	26	22
Outside MSA's	207	203	208	206	202	100	100	100	100	100
2 bedrooms or less	56	52	63	59	63	27	25	30	29	31
3 bedrooms	127	128	122	125	120	61	63	59	61	59
4 bedrooms or more	25	24	23	22	19	12	12	11	11	9
Northeast	127	159	188	196	193	100	100	100	100	100
2 bedrooms or less	29	43	56	53	57	23	27	30	27	30
3 bedrooms	60	73	81	93	95	47	46	43	48	49
4 bedrooms or more	38	43	51	50	40	30	27	27	25	21
Midwest	195	191	191	201	170	100	100	100	100	100
2 bedrooms or less	30	31	30	37	34	15	16	16	18	20
3 bedrooms	112	108	108	114	97	57	57	56	57	57
4 bedrooms or more	53	52	53	50	39	27	27	28	25	23
South	389	420	457	467	505	100	100	100	100	100
2 bedrooms or less	50	54	69	80	98	13	13	15	17	19
3 bedrooms	241	265	286	293	317	62	63	63	63	63
4 bedrooms or more	98	102	102	94	89	25	24	22	20	18
West	255	257	248	259	253	100	100	100	100	100
2 bedrooms or less	32	32	34	42	49	13	12	14	16	19
3 bedrooms	135	137	141	152	147	53	53	57	59	58
4 bedrooms or more	87	88	73	64	57	34	34	29	25	22
HOUSES BUILT FOR SALE										
United States	594	661	688	706	724	100	100	100	100	100
2 bedrooms or less	68	87	107	118	145	11	13	15	17	20
3 bedrooms	330	365	382	409	422	56	55	56	58	58
4 bedrooms or more	196	208	199	179	158	33	32	29	25	22
Inside MSA's	537	600	628	653	669	100	100	100	100	100
2 bedrooms or less	55	72	89	105	129	10	12	14	16	17
3 bedrooms	291	325	346	375	387	54	54	55	57	56
4 bedrooms or more	190	202	193	173	153	35	34	31	27	23
Outside MSA's	57	61	60	53	55	100	100	100	100	100
2 bedrooms or less	13	15	18	13	15	22	25	30	25	28
3 bedrooms	39	40	36	34	35	68	65	59	64	64
4 bedrooms or more	6	6	6	6	4	10	10	10	12	8
Northeast	73	101	127	131	133	100	100	100	100	100
2 bedrooms or less	19	32	45	41	44	26	31	35	31	33
3 bedrooms	31	42	46	55	59	42	42	36	42	44
4 bedrooms or more	23	27	36	35	30	32	27	29	27	22
Midwest	99	100	100	104	90	100	100	100	100	100
2 bedrooms or less	13	13	14	15	18	13	13	14	14	20
3 bedrooms	54	54	54	58	50	55	54	54	56	55
4 bedrooms or more	32	33	32	31	22	32	33	32	30	25
South	236	261	280	279	316	100	100	100	100	100
2 bedrooms or less	21	25	32	39	51	9	10	11	14	16
3 bedrooms	145	162	176	178	203	62	62	63	64	64
4 bedrooms or more	69	74	72	63	62	29	28	26	23	20
West	186	199	181	192	185	100	100	100	100	100
2 bedrooms or less	15	17	15	24	31	8	8	9	13	17
3 bedrooms	100	108	106	118	110	54	54	59	61	60
4 bedrooms or more	71	74	59	51	44	38	37	33	26	24
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	100	100	100	100	100
2 bedrooms or less	30	26	31	31	33	15	14	16	15	17
3 bedrooms	123	120	122	126	125	62	64	61	62	66
4 bedrooms or more	46	42	47	45	33	23	22	23	22	17
Inside MSA's	120	113	123	130	120	100	100	100	100	100
2 bedrooms or less	11	10	12	13	14	9	9	9	10	11
3 bedrooms	73	70	75	79	79	61	63	61	61	66
4 bedrooms or more	36	32	37	38	27	30	29	30	29	22
Outside MSA's	79	75	77	73	71	100	100	100	100	100
2 bedrooms or less	19	16	19	19	19	23	21	25	26	27
3 bedrooms	50	50	47	47	45	64	66	62	64	64
4 bedrooms or more	10	10	10	8	6	13	13	13	10	9
Northeast	26	26	27	31	26	100	100	100	100	100
2 bedrooms or less	3	3	3	3	4	12	13	12	10	11
3 bedrooms	14	15	16	19	18	54	56	60	62	61
4 bedrooms or more	9	8	8	9	5	34	31	28	28	21
Midwest	52	43	46	45	40	100	100	100	100	100
2 bedrooms or less	7	6	6	6	6	14	14	14	14	15
3 bedrooms	33	27	27	28	24	63	64	59	62	61
4 bedrooms or more	12	9	13	11	9	22	22	27	25	24

See footnotes at end of table.

Table 4. Number of Bedrooms, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and number of bedrooms	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
South	90	92	96	98	95	100	100	100	100	100
2 bedrooms or less	13	12	14	16	17	14	13	15	16	17
3 bedrooms	59	63	61	63	65	66	69	64	65	69
4 bedrooms or more	18	17	20	19	13	20	19	21	19	14
West	31	26	30	30	29	100	100	100	100	100
2 bedrooms or less	7	5	7	6	6	21	18	24	21	22
3 bedrooms	17	15	17	16	17	54	56	56	55	60
4 bedrooms or more	8	7	6	7	5	24	27	20	23	18
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
2 bedrooms or less	29	28	34	39	40	20	19	20	22	23
3 bedrooms	84	86	99	105	99	57	58	61	59	58
4 bedrooms or more	34	33	31	32	33	23	22	19	18	19
Inside MSA's	85	85	100	102	103	100	100	100	100	100
2 bedrooms or less	10	11	13	17	17	12	13	13	16	16
3 bedrooms	49	49	62	62	62	58	58	62	60	60
4 bedrooms or more	26	25	25	24	25	30	29	25	23	24
Outside MSA's	63	62	64	74	69	100	100	100	100	100
2 bedrooms or less	19	17	21	23	23	30	28	32	31	33
3 bedrooms	35	37	37	43	37	56	59	58	58	54
4 bedrooms or more	8	8	6	8	9	13	13	10	11	13
Northeast	24	27	30	31	30	100	100	100	100	100
2 bedrooms or less	4	5	5	6	6	18	17	17	19	21
3 bedrooms	14	15	18	18	18	58	55	60	59	60
4 bedrooms or more	6	8	7	7	6	24	28	23	22	19
Midwest	38	40	38	44	36	100	100	100	100	100
2 bedrooms or less	7	7	7	9	7	18	18	17	21	20
3 bedrooms	22	24	23	27	22	58	60	60	62	61
4 bedrooms or more	9	9	9	8	7	24	22	22	17	19
South	53	54	64	71	75	100	100	100	100	100
2 bedrooms or less	11	10	13	15	18	20	18	20	22	24
3 bedrooms	32	35	43	44	43	60	64	66	63	58
4 bedrooms or more	11	10	9	11	14	20	18	14	16	18
West	32	25	31	30	31	100	100	100	100	100
2 bedrooms or less	7	7	9	9	8	23	27	30	29	26
3 bedrooms	16	12	16	15	16	51	48	50	49	52
4 bedrooms or more	8	6	6	6	7	26	25	21	21	22

¹Includes houses built for rent (not shown separately).

Table 5. Principal Type of Exterior Wall Material, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and exterior wall material	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	100	100	100	100	100
Brick	44	41	41	46	45	22	22	21	23	24
Wood or wood products	77	77	85	83	80	39	41	43	41	42
Stucco	17	18	17	16	15	9	9	9	8	8
Aluminum siding	8	8	12	12	14	4	4	6	6	7
Other ²	53	44	44	46	38	27	23	22	23	20
Inside MSA's	120	113	123	130	120	100	100	100	100	100
Brick	31	28	28	32	29	26	25	23	25	24
Wood or wood products	42	43	47	49	48	35	38	38	37	40
Stucco	11	11	10	9	9	9	9	9	7	8
Aluminum siding	5	6	10	9	11	4	5	8	7	9
Other ²	31	25	28	31	22	26	22	22	24	19
Outside MSA's	79	75	77	73	71	100	100	100	100	100
Brick	13	14	13	14	16	16	18	18	19	22
Wood or wood products	35	34	38	35	31	45	45	49	47	44
Stucco	6	7	7	7	6	8	10	9	9	8
Aluminum siding	3	(B)	(B)	(B)	3	4	(B)	(B)	(B)	4
Other ²	22	19	17	16	15	28	25	22	21	21
Northeast	26	26	27	31	26	100	100	100	100	100
Brick	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Wood or wood products	12	12	12	14	11	48	47	44	45	43
Stucco	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Aluminum siding	(B)	(B)	(B)	3	3	(B)	(B)	(B)	9	13
Other ²	11	10	12	12	10	44	40	43	40	40
Midwest	52	43	46	45	40	100	100	100	100	100
Brick	8	6	6	5	5	15	14	14	12	13
Wood or wood products	18	18	19	21	19	35	41	41	47	48
Stucco	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Aluminum siding	4	4	6	6	6	8	10	13	13	14
Other ²	21	15	15	12	10	41	34	32	28	24
South	90	92	96	98	95	100	100	100	100	100
Brick	33	32	31	38	38	37	35	37	39	39
Wood or wood products	28	30	35	30	32	31	33	33	31	34
Stucco	7	10	9	7	6	8	11	9	8	6
Aluminum siding	(B)	(B)	3	(B)	3	(B)	(B)	3	(B)	3
Other ²	20	19	17	20	17	22	20	18	21	17
West	31	26	30	30	29	100	100	100	100	100
Brick	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Wood or wood products	19	16	19	18	17	61	61	62	61	58
Stucco	9	7	8	8	8	28	27	25	26	29
Aluminum siding	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other ²	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Brick	26	24	28	35	32	18	16	17	20	19
Wood or wood products	73	77	86	93	99	49	52	53	53	57
Stucco	13	12	12	11	10	9	8	8	6	6
Aluminum siding	5	4	7	8	9	3	3	4	5	6
Other ²	30	30	31	29	22	21	20	19	16	13
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Brick	18	17	21	22	22	21	20	21	22	21
Wood or wood products	36	42	49	50	53	43	49	49	49	52
Stucco	11	9	8	9	8	13	11	9	9	8
Aluminum siding	4	3	5	5	6	4	3	5	5	6
Other ²	16	14	17	16	13	19	17	17	15	13
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Brick	8	7	7	12	10	13	11	11	17	15
Wood or wood products	36	35	38	44	45	58	57	59	59	65
Stucco	(B)	3	4	(B)	(B)	(B)	5	6	(B)	(B)
Aluminum siding	(B)	(B)	(B)	3	3	(B)	(B)	(B)	4	4
Other ²	14	16	14	13	8	23	26	22	18	12
Northeast	24	27	30	31	30	100	100	100	100	100
Brick	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Wood or wood products	14	18	17	18	20	60	64	57	60	68
Stucco	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Aluminum siding	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	8
Other ²	7	7	10	8	5	31	25	33	26	17
Midwest	38	40	38	44	36	100	100	100	100	100
Brick	6	6	7	6	6	16	16	17	14	16
Wood or wood products	18	20	19	25	22	47	50	50	57	62
Stucco	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Aluminum siding	(B)	(B)	3	4	3	(B)	(B)	8	9	9
Other ²	12	11	9	9	5	31	29	24	20	13
South	53	54	64	71	75	100	100	100	100	100
Brick	17	15	19	25	23	32	27	29	35	31
Wood or wood products	21	24	29	32	38	40	45	45	44	51
Stucco	4	3	4	(B)	(B)	7	6	6	(B)	(B)
Aluminum siding	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other ²	10	11	11	10	10	19	20	18	15	13

See footnotes at end of table.

Table 5. **Principal Type of Exterior Wall Material, by Category of House and Location: 1986 to 1990—Con.**

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and exterior wall material	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
OWNER-BUILT HOUSES—Con.										
West	32	25	31	30	31	100	100	100	100	100
Brick.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Wood or wood products.....	19	15	21	18	18	61	59	69	61	57
Stucco.....	9	8	8	8	8	28	31	25	27	26
Aluminum siding.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other ²	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).

²Includes vinyl siding, cinder block, cement block, stone, and other types.

Figure 2.
New Houses Using Wood as Exterior Wall Material

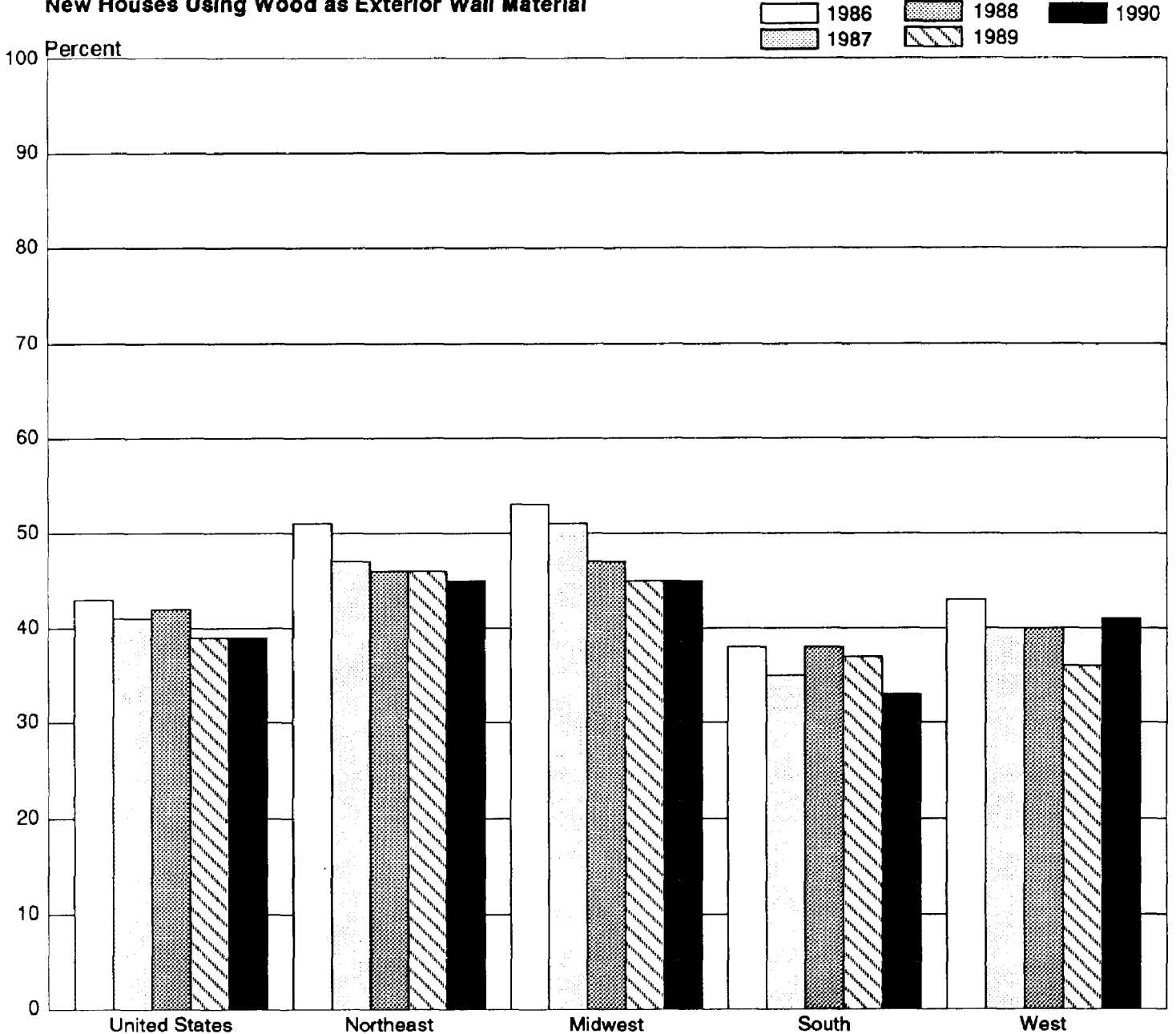


Table 6. Type of Financing, by Category of House and Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of financing	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL NEW HOUSES¹										
United States	966	1 026	1 085	1 123	1 120	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	755	805	837	895	883	100	100	100	100	100
FHA insured	103	109	110	136	173	14	14	13	15	20
VA guaranteed	33	38	37	56	67	4	5	4	6	8
Conventional	470	500	526	530	480	62	62	63	59	54
Farmers Home Administration	14	17	12	17	17	2	2	1	2	2
Cash	135	141	152	157	145	18	18	18	18	16
Inside MSA's	759	823	876	917	918	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	596	649	672	732	730	100	100	100	100	100
FHA insured	95	101	102	128	165	16	16	15	17	23
VA guaranteed	29	35	34	52	64	5	5	5	7	9
Conventional	381	418	440	444	399	64	64	66	61	55
Farmers Home Administration	11	9	5	9	9	2	2	1	1	1
Cash	80	85	90	100	93	13	13	13	14	13
Outside MSA's	207	203	208	206	202	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	159	156	165	163	152	100	100	100	100	100
FHA insured	8	8	8	9	9	5	5	5	5	6
VA guaranteed	4	3	3	4	3	3	3	2	3	2
Conventional	89	82	86	86	82	56	52	52	52	54
Farmers Home Administration	3	7	6	7	8	2	5	4	4	5
Cash	55	56	61	57	52	34	36	37	35	34
Northeast	127	159	188	196	193	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	81	105	120	144	133	100	100	100	100	100
FHA insured	2	1	1	1	2	2	1	1	1	1
VA guaranteed	(Z)	(Z)	1	(Z)	1	(S)	(S)	(Z)	(S)	1
Conventional	67	86	96	114	103	82	82	80	79	78
Farmers Home Administration	1	(Z)	(Z)	1	(Z)	(S)	(S)	(S)	(S)	(S)
Cash	11	17	21	28	26	14	16	18	19	20
Midwest	195	191	191	201	170	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	160	154	153	168	143	100	100	100	100	100
FHA insured	12	12	10	13	14	8	8	6	8	10
VA guaranteed	3	4	2	3	4	2	2	1	2	3
Conventional	111	106	113	121	98	70	69	74	72	69
Farmers Home Administration	5	4	2	3	3	3	3	1	2	2
Cash	29	28	26	28	24	18	18	17	17	17
South	389	420	457	467	505	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	310	331	351	359	392	100	100	100	100	100
FHA insured	61	57	56	62	85	20	17	16	17	22
VA guaranteed	20	20	21	31	38	6	6	6	9	10
Conventional	163	181	202	193	196	53	55	58	54	50
Farmers Home Administration	8	12	8	9	10	3	4	2	2	2
Cash	58	61	64	64	63	19	18	18	18	16
West	255	257	248	259	253	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	204	215	213	223	215	100	100	100	100	100
FHA insured	29	39	43	59	72	14	18	20	27	34
VA guaranteed	10	14	13	21	24	5	6	6	9	11
Conventional	128	127	115	101	83	63	59	54	45	38
Farmers Home Administration	(Z)	(Z)	1	4	4	(S)	(S)	1	2	2
Cash	37	36	40	37	32	18	17	19	17	15
HOUSES BUILT FOR SALE										
United States	594	661	688	706	724	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	463	521	532	570	573	100	100	100	100	100
FHA insured	90	98	101	125	158	19	19	19	22	28
VA guaranteed	29	35	34	50	61	6	7	6	9	11
Conventional	293	332	340	335	300	63	64	64	59	52
Farmers Home Administration	9	10	5	9	9	2	2	1	2	2
Cash	43	46	51	51	44	9	9	10	9	8
Inside MSA's	537	600	628	653	669	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	423	478	489	531	535	100	100	100	100	100
FHA insured	85	92	96	121	155	20	19	20	23	29
VA guaranteed	26	32	32	48	60	6	7	6	9	11
Conventional	271	310	316	313	276	64	65	65	59	52
Farmers Home Administration	7	7	4	7	7	2	1	1	1	1
Cash	34	37	41	43	38	8	8	8	8	7
Outside MSA's	57	61	60	53	55	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	40	43	43	38	37	100	100	100	100	100
FHA insured	5	6	5	5	3	13	14	12	13	9
VA guaranteed	3	3	3	3	3	8	5	6	7	5
Conventional	21	22	24	22	24	53	52	55	56	65
Farmers Home Administration	1	3	1	2	2	3	8	2	4	6
Cash	9	9	10	8	6	23	21	24	20	16
Northeast	73	101	127	131	133	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	44	65	75	93	88	100	100	100	100	100
FHA insured	1	1	1	1	1	3	2	2	1	2
VA guaranteed	(Z)	(Z)	(Z)	(Z)	1	(S)	(S)	(S)	(S)	1
Conventional	38	58	64	77	72	87	89	85	83	83
Farmers Home Administration	1	(Z)	(Z)	(Z)	(Z)	2	(S)	(S)	(S)	(S)
Cash	3	6	10	14	13	8	9	13	15	15
Midwest	99	100	100	104	90	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	79	79	79	87	75	100	100	100	100	100
FHA insured	10	10	9	11	12	13	13	11	13	16
VA guaranteed	2	3	2	3	3	3	4	3	3	4
Conventional	56	57	59	64	52	71	71	75	73	69
Farmers Home Administration	3	3	2	2	2	4	4	2	3	3
Cash	7	7	8	7	6	9	8	10	8	8

See footnotes at end of table.

Table 6. Type of Financing, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of financing	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
HOUSES BUILT FOR SALE—Con.										
South	236	261	280	279	316	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	189	206	218	217	248	100	100	100	100	100
FHA insured.....	53	51	51	57	79	28	25	23	26	32
VA guaranteed.....	17	19	19	27	35	9	9	9	13	14
Conventional.....	96	111	127	113	115	51	54	58	52	46
Farmers Home Administration.....	5	6	2	2	4	2	3	1	1	2
Cash.....	17	19	19	17	16	9	9	9	8	6
West	186	199	181	192	185	(X)	(X)	(X)	(X)	(X)
Type of financing reported ²	152	170	159	173	162	100	100	100	100	100
FHA insured.....	25	36	40	56	66	17	21	25	32	41
VA guaranteed.....	9	13	13	20	23	6	8	8	12	14
Conventional.....	102	106	90	80	61	67	62	56	46	38
Farmers Home Administration.....	(Z)	(Z)	1	3	2	(S)	(S)	1	2	2
Cash.....	15	15	15	13	9	10	9	9	8	6
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	157	151	158	163	156	100	100	100	100	100
FHA insured.....	11	9	7	8	10	7	6	4	5	7
VA guaranteed.....	3	3	3	4	4	2	2	2	2	2
Conventional.....	105	97	107	110	101	66	65	68	67	65
Farmers Home Administration.....	4	5	4	6	7	2	3	2	3	5
Cash.....	35	37	37	36	34	22	25	24	22	22
Inside MSA's	120	113	123	130	120	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	95	91	94	103	97	100	100	100	100	100
FHA insured.....	8	7	5	5	7	8	7	5	5	7
VA guaranteed.....	2	2	2	3	3	2	2	2	3	3
Conventional.....	67	63	70	76	69	70	69	74	74	71
Farmers Home Administration.....	2	2	1	2	2	2	2	1	2	2
Cash.....	16	18	16	17	17	17	19	17	17	18
Outside MSA's	79	75	77	73	71	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	62	60	63	61	59	100	100	100	100	100
FHA insured.....	3	2	2	3	4	4	3	3	5	6
VA guaranteed.....	1	1	1	1	1	1	1	1	2	1
Conventional.....	38	34	37	34	33	61	57	58	56	55
Farmers Home Administration.....	2	3	3	4	5	3	6	4	6	9
Cash.....	19	20	21	19	17	31	33	33	31	28
Northeast	26	26	27	31	26	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	19	18	20	25	20	100	100	100	100	100
FHA insured.....	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
VA guaranteed.....	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Conventional.....	16	14	16	20	16	85	81	80	82	78
Farmers Home Administration.....	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Cash.....	2	3	4	4	4	12	16	19	15	19
Midwest	52	43	46	45	40	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	44	37	40	39	35	100	100	100	100	100
FHA insured.....	2	2	1	1	1	4	5	2	3	4
VA guaranteed.....	1	1	(Z)	(Z)	1	2	2	(S)	(S)	2
Conventional.....	31	25	31	31	26	70	67	77	78	76
Farmers Home Administration.....	1	1	1	(Z)	1	3	2	1	(S)	2
Cash.....	9	9	8	7	6	21	24	19	17	18
South	90	92	96	98	95	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	69	74	74	76	77	100	100	100	100	100
FHA insured.....	6	5	4	4	5	9	7	6	5	6
VA guaranteed.....	2	1	2	3	2	2	2	3	4	3
Conventional.....	43	45	47	47	48	62	61	64	61	62
Farmers Home Administration.....	2	4	3	4	5	3	6	4	6	7
Cash.....	16	18	18	18	14	24	24	24	24	21
West	31	26	30	30	29	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	25	22	24	23	24	100	100	100	100	100
FHA insured.....	2	1	2	2	4	9	6	7	10	16
VA guaranteed.....	(Z)	(Z)	(Z)	1	1	(S)	(S)	(S)	3	3
Conventional.....	15	13	13	13	12	59	58	55	54	48
Farmers Home Administration.....	(Z)	(Z)	(Z)	1	1	(S)	(S)	(S)	3	4
Cash.....	7	7	8	7	7	30	34	36	30	29
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	118	116	130	141	136	100	100	100	100	100
FHA insured.....	2	2	2	2	4	2	2	2	2	3
VA guaranteed.....	1	1	(Z)	1	1	1	1	(S)	1	1
Conventional.....	65	63	71	75	70	55	54	55	53	52
Farmers Home Administration.....	1	1	(Z)	1	1	1	1	(S)	(Z)	1
Cash.....	49	50	56	61	60	41	43	43	44	44
Inside MSA's	85	85	100	102	103	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	68	67	77	82	84	100	100	100	100	100
FHA insured.....	2	2	1	2	2	3	3	1	2	3
VA guaranteed.....	1	1	(Z)	1	1	1	1	(S)	1	1
Conventional.....	39	40	47	47	47	58	59	61	57	56
Farmers Home Administration.....	(Z)	(Z)	(Z)	(Z)	1	(S)	(S)	(S)	(S)	1
Cash.....	25	25	28	32	33	37	37	37	39	39
Outside MSA's	63	62	64	74	69	(X)	(X)	(X)	(X)	(X)
Type of financing reported.....	50	49	53	59	52	100	100	100	100	100
FHA insured.....	(Z)	(Z)	1	1	1	(S)	(S)	2	1	2
VA guaranteed.....	(Z)	(Z)	(Z)	1	(Z)	(S)	(S)	(S)	1	(S)
Conventional.....	26	23	24	28	23	51	47	45	48	44
Farmers Home Administration.....	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Cash.....	24	25	28	29	27	47	51	53	50	52

See footnotes at end of table.

Table 6. Type of Financing, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of financing	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
OWNER-BUILT HOUSES—Con.										
Northeast	24	27	30	31	30	(X)	(X)	(X)	(X)	(X)
Type of financing reported	17	19	23	25	23	100	100	100	100	100
FHA insured	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
VA guaranteed	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Conventional	12	12	16	16	14	74	64	68	64	62
Farmers Home Administration	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Cash	4	6	7	9	8	26	35	31	35	37
Midwest	38	40	38	44	36	(X)	(X)	(X)	(X)	(X)
Type of financing reported	34	35	32	38	30	100	100	100	100	100
FHA insured	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
VA guaranteed	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Conventional	22	22	21	24	19	65	65	66	65	62
Farmers Home Administration	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Cash	11	11	10	13	11	33	33	33	34	35
South	53	54	64	71	75	(X)	(X)	(X)	(X)	(X)
Type of financing reported	44	42	49	55	57	100	100	100	100	100
FHA insured	1	1	1	1	1	3	1	2	2	2
VA guaranteed	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Conventional	21	21	24	28	29	48	51	50	51	50
Farmers Home Administration	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Cash	21	20	23	25	27	48	47	48	45	47
West	32	25	31	30	31	(X)	(X)	(X)	(X)	(X)
Type of financing reported	23	20	27	24	25	100	100	100	100	100
FHA insured	1	1	1	1	2	5	5	3	4	8
VA guaranteed	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Conventional	10	7	10	7	8	41	33	38	30	32
Farmers Home Administration	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Cash	12	12	16	15	14	53	60	58	63	56

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable. Z Less than 500 units or less than 0.5 percent.

¹Includes houses built for rent (not shown separately).

²Excludes houses not yet sold.

Figure 3.

New Houses With One Fireplace or More

Percent

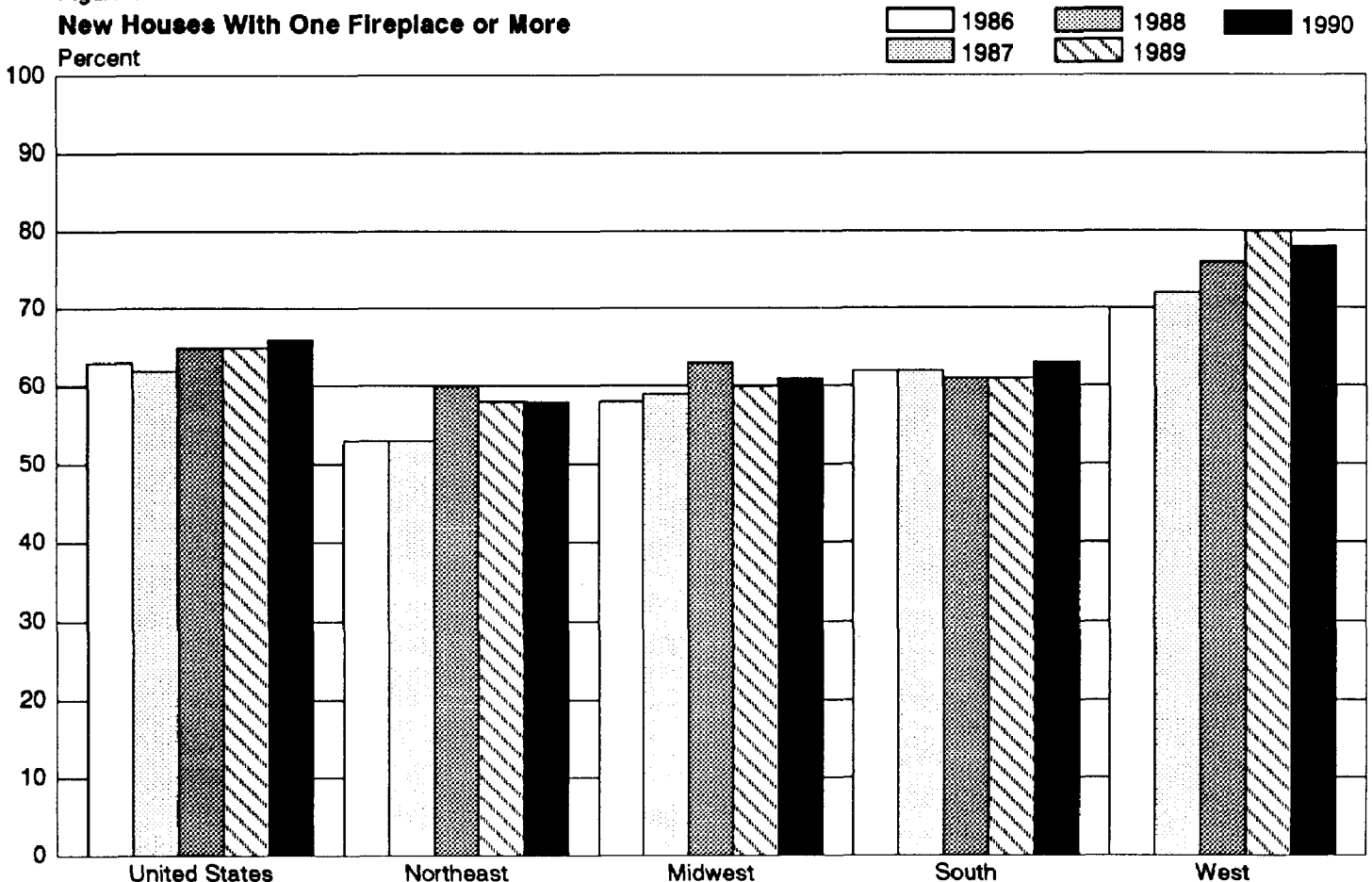


Table 7. Number of Fireplaces, by Category of House and Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and number of fireplaces	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL NEW HOUSES¹										
United States	966	1 026	1 085	1 123	1 120	100	100	100	100	100
No fireplace.....	331	361	381	424	425	34	35	35	38	38
1 fireplace.....	561	593	635	643	645	58	58	59	57	58
2 fireplaces or more.....	74	72	69	56	50	8	7	6	5	5
Inside MSA's	759	823	876	917	918	100	100	100	100	100
No fireplace.....	207	237	253	294	295	27	29	29	32	32
1 fireplace.....	484	520	560	574	578	64	63	64	63	63
2 fireplaces or more.....	67	65	62	50	45	9	8	7	5	5
Outside MSA's	207	203	208	206	202	100	100	100	100	100
No fireplace.....	123	123	127	130	130	59	60	61	63	65
1 fireplace.....	77	73	75	69	67	37	36	36	34	33
2 fireplaces or more.....	7	7	7	7	5	3	4	3	3	2
Northeast	127	159	188	196	193	100	100	100	100	100
No fireplace.....	53	67	75	93	91	42	42	40	47	47
1 fireplace.....	66	84	103	96	95	52	53	55	49	49
2 fireplaces or more.....	7	8	9	7	7	6	5	5	4	4
Midwest	195	191	191	201	170	100	100	100	100	100
No fireplace.....	77	77	70	83	71	39	40	37	41	42
1 fireplace.....	105	99	107	107	91	54	52	56	53	53
2 fireplaces or more.....	13	15	14	12	8	6	8	7	6	5
South	389	420	457	467	505	100	100	100	100	100
No fireplace.....	145	168	176	175	187	37	39	39	38	37
1 fireplace.....	228	236	262	275	300	59	56	57	59	59
2 fireplaces or more.....	16	18	19	17	17	4	4	4	4	3
West	255	257	248	259	253	100	100	100	100	100
No fireplace.....	58	52	59	72	76	22	20	24	28	30
1 fireplace.....	161	174	163	166	159	63	68	65	64	63
2 fireplaces or more.....	38	31	27	21	18	15	12	11	8	7
HOUSES BUILT FOR SALE										
United States	594	661	688	706	724	100	100	100	100	100
No fireplace.....	161	185	189	218	228	27	28	27	31	31
1 fireplace.....	390	433	459	457	469	66	66	67	65	65
2 fireplaces or more.....	43	43	40	31	28	7	6	6	5	4
Inside MSA's	537	600	628	653	669	100	100	100	100	100
No fireplace.....	127	150	157	186	194	23	25	25	28	29
1 fireplace.....	368	408	432	437	448	69	68	69	67	67
2 fireplaces or more.....	42	41	39	30	27	8	7	6	5	4
Outside MSA's	57	61	60	53	55	100	100	100	100	100
No fireplace.....	33	36	32	32	34	57	59	53	61	61
1 fireplace.....	23	24	27	21	21	40	40	45	37	38
2 fireplaces or more.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Northeast	73	101	127	131	133	100	100	100	100	100
No fireplace.....	28	39	45	57	56	39	38	36	44	42
1 fireplace.....	42	59	77	69	73	57	58	60	53	55
2 fireplaces or more.....	3	4	5	4	4	4	4	4	3	3
Midwest	99	100	100	104	90	100	100	100	100	100
No fireplace.....	29	33	29	35	30	30	33	29	33	36
1 fireplace.....	64	60	65	64	54	65	61	64	61	60
2 fireplaces or more.....	5	6	6	6	4	5	6	6	5	4
South	236	261	280	279	316	100	100	100	100	100
No fireplace.....	77	87	87	86	97	32	33	31	31	31
1 fireplace.....	151	163	182	184	210	64	62	65	66	66
2 fireplaces or more.....	9	11	11	9	9	4	4	4	3	3
West	186	199	181	192	185	100	100	100	100	100
No fireplace.....	26	28	28	40	42	14	14	15	21	23
1 fireplace.....	134	150	135	140	132	72	75	75	73	71
2 fireplaces or more.....	26	22	18	13	11	14	11	10	7	6
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	100	100	100	100	100
No fireplace.....	82	86	90	91	88	41	46	45	45	46
1 fireplace.....	100	87	94	98	90	51	46	47	48	48
2 fireplaces or more.....	16	15	15	13	12	8	8	8	7	6
Inside MSA's	120	113	123	130	120	100	100	100	100	100
No fireplace.....	38	40	43	46	42	32	36	35	36	35
1 fireplace.....	69	61	68	72	68	58	54	56	56	57
2 fireplaces or more.....	13	11	12	11	9	11	10	10	9	8
Outside MSA's	79	75	77	73	71	100	100	100	100	100
No fireplace.....	44	46	47	45	46	55	60	61	62	65
1 fireplace.....	32	26	26	26	22	40	35	34	35	31
2 fireplaces or more.....	4	4	4	(B)	3	5	5	5	(B)	4
Northeast	26	26	27	31	26	100	100	100	100	100
No fireplace.....	12	13	13	16	15	47	51	47	51	58
1 fireplace.....	12	11	13	14	9	46	44	47	45	36
2 fireplaces or more.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)

See footnotes at end of table.

Table 7. Number of Fireplaces, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and number of fireplaces	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
Midwest	52	43	46	45	40	100	100	100	100	100
No fireplace.....	23	19	20	18	17	44	44	43	39	42
1 fireplace.....	25	20	22	23	21	48	46	48	52	52
2 fireplaces or more.....	4	4	4	4	3	8	10	9	8	7
South	90	92	96	98	95	100	100	100	100	100
No fireplace.....	36	44	44	44	42	40	48	46	45	44
1 fireplace.....	49	44	46	49	49	54	47	48	50	51
2 fireplaces or more.....	5	4	6	4	4	5	5	6	5	5
West	31	26	30	30	29	100	100	100	100	100
No fireplace.....	11	10	13	14	14	36	37	44	48	48
1 fireplace.....	15	12	13	12	12	47	46	44	39	41
2 fireplaces or more.....	5	4	4	4	3	17	17	12	13	11
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
No fireplace.....	69	66	77	86	86	47	45	47	49	50
1 fireplace.....	64	66	74	79	76	44	45	45	45	44
2 fireplaces or more.....	14	15	13	11	11	10	10	8	6	6
Inside MSA's	85	85	100	102	103	100	100	100	100	100
No fireplace.....	29	28	35	39	42	34	33	36	38	40
1 fireplace.....	44	44	53	55	53	52	52	53	54	51
2 fireplaces or more.....	11	12	11	8	9	14	14	11	8	8
Outside MSA's	63	62	64	74	69	100	100	100	100	100
No fireplace.....	40	38	42	47	44	64	60	65	63	64
1 fireplace.....	20	22	21	24	23	32	35	32	32	33
2 fireplaces or more.....	3	3	(B)	3	(B)	4	5	(B)	5	(B)
Northeast	24	27	30	31	30	100	100	100	100	100
No fireplace.....	10	11	14	16	16	42	41	48	50	53
1 fireplace.....	12	13	13	13	12	46	48	43	43	42
2 fireplaces or more.....	(B)	3	3	(B)	(B)	(B)	11	9	(B)	(B)
Midwest	38	40	38	44	36	100	100	100	100	100
No fireplace.....	21	19	17	23	19	53	49	44	52	52
1 fireplace.....	15	16	18	19	16	38	40	48	42	43
2 fireplaces or more.....	3	4	3	(B)	(B)	8	11	7	(B)	(B)
South	53	54	64	71	75	100	100	100	100	100
No fireplace.....	24	24	31	31	35	44	44	48	44	46
1 fireplace.....	27	27	31	37	37	50	50	48	52	49
2 fireplaces or more.....	3	3	3	3	3	5	6	4	4	4
West	32	25	31	30	31	100	100	100	100	100
No fireplace.....	14	11	15	16	16	45	43	48	54	53
1 fireplace.....	11	10	12	10	11	35	39	37	34	34
2 fireplaces or more.....	6	5	5	4	4	20	18	16	13	12

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).

Table 8. Type of Foundation, by Category of House and Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of foundation	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL NEW HOUSES¹										
United States	966	1 026	1 085	1 123	1 120	100	100	100	100	100
Full or partial basement	372	385	427	438	416	38	37	39	39	37
Slab	388	442	449	482	502	40	43	41	43	45
Crawl space	205	199	209	203	202	21	19	19	18	18
Inside MSA's	759	823	876	917	918	100	100	100	100	100
Full or partial basement	291	310	352	362	346	38	38	40	39	38
Slab	345	390	390	426	439	46	47	45	46	48
Crawl space	124	123	135	129	134	16	15	15	14	15
Outside MSA's	207	203	208	206	202	100	100	100	100	100
Full or partial basement	82	75	75	76	70	39	37	36	37	35
Slab	44	53	59	56	63	22	26	29	27	31
Crawl space	81	76	74	74	68	39	37	36	36	34
Northeast	127	159	188	196	193	100	100	100	100	100
Full or partial basement	107	126	145	150	148	84	79	77	76	77
Slab	13	25	32	34	31	11	16	17	17	16
Crawl space	7	8	10	13	14	5	5	6	6	7
Midwest	195	191	191	201	170	100	100	100	100	100
Full or partial basement	158	151	155	154	131	81	79	81	77	77
Slab	16	19	16	26	19	8	10	9	13	11
Crawl space	21	21	20	22	20	11	11	11	11	12
South	389	420	457	467	505	100	100	100	100	100
Full or partial basement	74	81	94	93	88	19	19	20	20	17
Slab	206	226	242	259	302	53	54	53	56	60
Crawl space	109	112	122	115	115	28	27	27	25	23
West	255	257	248	259	253	100	100	100	100	100
Full or partial basement	35	29	33	42	49	14	11	13	15	19
Slab	152	171	158	163	150	60	67	64	63	59
Crawl space	68	57	57	54	54	27	22	23	21	21
HOUSES BUILT FOR SALE										
United States	594	661	688	706	724	100	100	100	100	100
Full or partial basement	205	225	255	260	258	34	34	37	37	35
Slab	284	334	330	349	367	48	51	48	49	51
Crawl space	104	102	103	97	99	18	15	15	14	14
Inside MSA's	537	600	628	653	669	100	100	100	100	100
Full or partial basement	185	205	235	241	241	34	34	37	37	36
Slab	269	315	310	332	344	50	53	50	51	51
Crawl space	82	80	83	81	84	15	13	13	12	12
Outside MSA's	57	61	60	53	55	100	100	100	100	100
Full or partial basement	20	19	20	20	17	35	31	33	37	30
Slab	15	20	20	17	23	26	33	34	31	42
Crawl space	22	22	20	17	15	39	36	33	32	28
Northeast	73	101	127	131	133	100	100	100	100	100
Full or partial basement	60	75	93	95	98	81	75	73	73	74
Slab	10	20	27	27	26	13	20	21	21	20
Crawl space	4	5	7	9	9	5	5	6	7	7
Midwest	99	100	100	104	90	100	100	100	100	100
Full or partial basement	80	81	83	82	70	81	81	83	79	78
Slab	10	11	10	13	13	10	11	10	13	14
Crawl space	8	8	7	9	7	9	8	7	8	8
South	236	261	280	279	316	100	100	100	100	100
Full or partial basement	47	52	61	58	58	20	20	22	21	18
Slab	136	153	158	169	205	58	59	56	61	65
Crawl space	53	56	61	51	53	22	22	22	18	17
West	186	199	181	192	185	100	100	100	100	100
Full or partial basement	19	16	19	25	32	10	8	10	13	17
Slab	128	150	135	138	124	69	76	75	72	67
Crawl space	39	32	27	29	30	21	16	15	15	16
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	100	100	100	100	100
Full or partial basement	90	80	86	90	77	45	42	43	45	40
Slab	55	58	57	60	64	28	31	29	29	34
Crawl space	55	50	56	53	50	28	27	28	26	26
Inside MSA's	120	113	123	130	120	100	100	100	100	100
Full or partial basement	58	53	59	64	52	48	46	48	49	43
Slab	39	38	38	40	43	33	34	31	31	36
Crawl space	23	22	26	26	25	19	20	21	20	21
Outside MSA's	79	75	77	73	71	100	100	100	100	100
Full or partial basement	31	27	27	27	25	39	36	35	37	35
Slab	16	20	19	20	21	20	27	25	27	30
Crawl space	32	28	31	26	25	41	37	40	36	35
Northeast	26	26	27	31	26	100	100	100	100	100
Full or partial basement	24	23	24	28	22	91	89	90	89	85
Slab	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Crawl space	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)

See footnotes at end of table.

Table 8. Type of Foundation, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of foundation	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
Midwest	52	43	46	45	40	100	100	100	100	100
Full or partial basement	44	35	37	37	32	85	81	80	83	81
Slab	(B)	3	3	(B)	(B)	(B)	7	7	(B)	(B)
Crawl space	6	5	6	5	5	12	12	13	12	13
South	90	92	96	98	95	100	100	100	100	100
Full or partial basement	14	15	17	18	14	16	16	18	19	15
Slab	42	46	44	46	50	47	50	45	47	53
Crawl space	34	31	35	34	31	37	33	36	34	33
West	31	26	30	30	29	100	100	100	100	100
Full or partial basement	8	6	7	8	8	26	24	24	26	28
Slab	10	8	9	10	10	31	29	30	32	33
Crawl space	13	12	14	12	11	44	47	46	41	39
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Full or partial basement	70	74	79	83	76	48	50	48	47	44
Slab	38	33	42	46	51	26	23	26	26	29
Crawl space	39	39	43	47	46	27	27	26	26	27
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Full or partial basement	42	46	52	53	47	49	54	52	52	46
Slab	27	23	27	30	36	32	27	27	30	34
Crawl space	16	16	21	18	20	19	19	21	18	20
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Full or partial basement	28	28	27	30	28	45	45	42	40	41
Slab	11	10	15	16	15	18	17	24	22	22
Crawl space	23	23	22	29	26	37	38	34	39	37
Northeast	24	27	30	31	30	100	100	100	100	100
Full or partial basement	21	24	26	26	25	86	88	88	85	83
Slab	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	8
Crawl space	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	8	(B)
Midwest	38	40	38	44	36	100	100	100	100	100
Full or partial basement	30	31	31	34	27	79	79	80	77	74
Slab	(B)	(B)	(B)	3	3	(B)	(B)	(B)	7	7
Crawl space	6	6	6	7	7	15	16	15	16	18
South	53	54	64	71	75	100	100	100	100	100
Full or partial basement	12	13	14	14	15	22	24	22	20	20
Slab	22	19	28	30	34	42	36	44	42	45
Crawl space	19	22	22	26	26	36	40	34	37	35
West	32	25	31	30	31	100	100	100	100	100
Full or partial basement	8	6	7	8	9	24	22	23	28	28
Slab	11	10	10	11	12	36	40	34	36	38
Crawl space	12	10	13	11	11	39	38	43	36	34

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).

Table 9. Type of Heating Fuel, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of heating fuel	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
Northeast	26	26	27	31	26	100	100	100	100	100
Gas	9	8	6	6	5	34	29	21	21	18
Electricity	6	6	8	11	11	23	24	31	36	41
Oil	11	12	12	12	9	41	45	44	39	34
Other types or none	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Midwest	52	43	46	45	40	100	100	100	100	100
Gas	44	36	38	37	31	84	82	83	82	78
Electricity	7	6	6	5	6	13	14	13	11	16
Oil	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
South	90	92	96	98	95	100	100	100	100	100
Gas	26	24	26	23	21	29	26	27	24	22
Electricity	61	65	67	70	68	68	70	70	72	71
Oil	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none	(B)	(B)	(B)	3	5	(B)	(B)	(B)	3	5
West	31	26	30	30	29	100	100	100	100	100
Gas	17	14	15	14	14	56	53	49	46	49
Electricity	10	9	10	11	10	34	33	35	37	35
Oil	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none	3	4	5	5	5	10	14	16	16	17
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Gas	70	67	63	69	58	48	46	39	39	34
Electricity	45	47	58	68	75	31	32	35	38	43
Oil	16	17	21	19	14	11	11	12	11	8
Other types or none	16	16	22	20	26	11	11	13	12	15
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Gas	47	47	49	49	42	55	55	49	47	41
Electricity	25	25	32	38	45	30	30	32	37	43
Oil	9	9	14	10	9	11	10	14	10	9
Other types or none	4	4	5	6	7	4	5	5	5	7
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Gas	23	20	15	20	16	37	33	23	28	23
Electricity	20	22	26	31	30	32	35	41	41	43
Oil	7	7	7	8	5	12	12	10	11	7
Other types or none	12	12	17	15	18	20	20	26	20	27
Northeast	24	27	30	31	30	100	100	100	100	100
Gas	6	7	5	5	6	23	24	16	17	22
Electricity	3	4	5	7	7	12	13	16	22	23
Oil	14	14	19	16	12	57	52	62	52	41
Other types or none	(B)	3	(B)	3	4	(B)	11	(B)	9	14
Midwest	38	40	38	44	36	100	100	100	100	100
Gas	30	29	28	32	22	76	74	73	72	61
Electricity	5	6	5	7	9	14	15	14	16	24
Oil	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none	3	3	4	4	5	7	9	12	9	13
South	53	54	64	71	75	100	100	100	100	100
Gas	20	19	19	20	17	37	36	30	28	23
Electricity	28	29	38	46	48	53	53	59	64	64
Oil	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none	4	5	6	5	9	7	9	10	6	12
West	32	25	31	30	31	100	100	100	100	100
Gas	15	11	11	12	12	47	44	36	41	39
Electricity	9	9	11	9	11	27	34	32	30	36
Oil	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none	8	5	10	9	8	25	21	32	29	25

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).

Table 10. Type of Heating System, by Category of House and Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of heating system	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL NEW HOUSES¹										
United States	966	1 026	1 085	1 123	1 120	100	100	100	100	100
Central heating	904	956	1 003	1 022	1 004	94	93	92	91	90
Warm air ducted.....	845	890	928	943	928	88	87	86	84	83
Heat pump ²	221	242	280	303	321	23	24	26	27	29
Furnace.....	623	648	648	640	607	65	63	60	57	54
Hot water or steam.....	60	66	75	78	76	6	6	7	7	7
Built-in heating	62	70	82	101	116	6	7	8	9	10
Electric ³	30	37	43	57	64	3	4	4	5	6
Other types or none ⁴	32	33	38	44	52	3	3	4	4	5
Inside MSA's	759	823	876	917	918	100	100	100	100	100
Central heating	733	793	840	866	859	97	96	96	94	94
Warm air ducted.....	697	748	788	809	801	92	91	90	88	87
Heat pump ²	165	185	215	241	261	22	23	25	26	28
Furnace.....	531	563	573	568	540	69	69	65	62	59
Hot water or steam.....	36	44	52	56	58	5	5	6	6	6
Built-in heating	25	30	36	52	59	3	4	4	6	6
Electric ³	13	19	23	35	40	2	2	3	4	4
Other types or none ⁴	12	11	13	17	20	2	1	1	2	2
Outside MSA's	207	203	208	206	202	100	100	100	100	100
Central heating	171	163	163	156	145	82	80	78	76	72
Warm air ducted.....	148	142	140	134	127	72	70	67	65	63
Heat pump ²	56	57	65	61	60	27	28	31	30	30
Furnace.....	91	85	75	72	67	44	42	36	35	33
Hot water or steam.....	23	21	23	22	18	11	10	11	11	9
Built-in heating	37	40	46	49	57	18	20	22	24	28
Electric ³	17	18	20	22	24	8	9	10	11	12
Other types or none ⁴	20	22	25	28	32	10	11	12	14	16
Northeast	127	159	188	196	193	100	100	100	100	100
Central heating	119	149	170	169	158	94	94	91	86	82
Warm air ducted.....	70	91	105	98	89	56	57	56	50	46
Heat pump ²	15	19	25	28	28	12	12	13	14	15
Furnace.....	55	73	80	70	61	43	46	43	36	32
Hot water or steam.....	49	58	65	71	69	38	36	35	36	36
Built-in heating	8	10	18	27	35	6	6	9	14	18
Electric ³	6	8	16	23	23	5	5	8	12	15
Other types or none ⁴	(B)	(B)	(B)	4	6	(B)	(B)	(B)	2	3
Midwest	195	191	191	201	170	100	100	100	100	100
Central heating	187	181	184	191	159	96	95	96	95	94
Warm air ducted.....	183	178	179	187	155	94	93	94	93	91
Heat pump ²	10	9	11	13	15	5	5	6	6	9
Furnace.....	173	169	168	175	140	89	89	88	87	83
Hot water or steam.....	4	3	5	4	4	2	2	2	2	2
Built-in heating	8	9	7	10	11	4	5	4	5	6
Electric ³	5	7	5	7	7	3	4	2	4	4
Other types or none ⁴	(B)	3	3	3	3	(B)	1	1	2	2
South	389	420	457	467	505	100	100	100	100	100
Central heating	369	395	431	437	466	95	94	94	94	92
Warm air ducted.....	367	393	429	436	464	94	94	94	93	92
Heat pump ²	168	187	214	224	231	43	45	47	48	46
Furnace.....	199	206	215	212	233	51	49	47	45	46
Hot water or steam.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	20	25	26	30	39	5	6	6	6	8
Electric ³	10	12	13	15	16	3	3	3	3	3
Other types or none ⁴	10	12	13	15	23	3	3	3	3	5
West	255	257	248	259	253	100	100	100	100	100
Central heating	228	230	218	224	221	90	90	88	87	87
Warm air ducted.....	223	227	215	222	219	87	89	86	86	87
Heat pump ²	28	27	30	38	47	11	10	12	15	18
Furnace.....	195	200	185	184	172	76	78	74	71	68
Hot water or steam.....	5	3	3	(B)	(B)	2	1	1	(B)	(B)
Built-in heating	26	27	30	34	32	10	10	12	13	13
Electric ³	9	10	10	12	13	3	4	4	5	5
Other types or none ⁴	18	17	20	22	19	7	6	8	9	8
HOUSES BUILT FOR SALE										
United States	594	661	688	706	724	100	100	100	100	100
Central heating	578	641	666	672	686	97	97	97	95	95
Warm air ducted.....	551	607	627	629	638	93	92	91	89	88
Heat pump ²	132	149	174	186	211	23	23	25	29	29
Furnace.....	419	458	453	442	427	71	69	66	63	59
Hot water or steam.....	27	34	40	44	48	4	5	6	6	6
Built-in heating	16	20	22	34	38	3	3	3	5	5
Electric ³	9	12	15	22	28	2	2	2	3	4
Other types or none ⁴	7	8	8	11	10	1	1	1	2	1

See footnotes at end of table.

Table 10. Type of Heating System, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of heating system	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
HOUSES BUILT FOR SALE—Con.										
Inside MSA's	537	600	628	653	669	100	100	100	100	100
Central heating	526	588	614	628	640	98	98	98	96	96
Warm air ducted.....	507	562	583	592	599	95	94	93	91	90
Heat pump ²	113	130	152	168	191	21	22	24	26	29
Furnace	394	432	431	424	409	74	72	69	65	61
Hot water or steam	19	26	32	36	41	3	4	5	6	6
Built-in heating	10	12	14	25	29	2	2	2	4	4
Electric ³	5	7	9	16	22	1	1	1	3	3
Other types or none ⁴	5	5	6	9	7	1	1	1	1	1
Outside MSA's	57	61	60	53	55	100	100	100	100	100
Central heating	52	53	52	44	46	90	87	87	83	83
Warm air ducted.....	45	45	44	37	39	79	75	73	69	70
Heat pump ²	19	19	22	18	20	34	32	36	35	37
Furnace	26	26	22	18	18	45	43	37	35	33
Hot water or steam	7	8	8	7	7	11	13	14	14	13
Built-in heating	6	8	8	9	9	10	13	13	17	17
Electric ³	4	5	6	6	6	6	8	9	11	12
Other types or none ⁴	(B)	3	(B)	3	3	(B)	5	(B)	5	5
Northeast	73	101	127	131	133	100	100	100	100	100
Central heating	71	98	119	119	116	97	97	94	91	87
Warm air ducted.....	47	67	82	76	70	64	67	64	59	52
Heat pump ²	10	12	18	20	22	14	12	14	15	16
Furnace	37	55	64	56	48	50	54	50	43	36
Hot water or steam	24	31	37	43	46	32	31	29	33	35
Built-in heating	(B)	3	8	11	17	(B)	3	6	9	13
Electric ³	(B)	3	8	11	15	(B)	3	6	8	11
Other types or none ⁴	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Midwest	99	100	100	104	90	100	100	100	100	100
Central heating	98	98	99	103	87	99	98	99	98	97
Warm air ducted.....	97	98	99	102	87	98	98	99	98	97
Heat pump ²	4	4	6	6	8	4	4	6	6	9
Furnace	93	94	93	96	79	94	94	93	92	88
Hot water or steam	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Electric ³	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none ⁴	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
South	236	261	280	279	316	100	100	100	100	100
Central heating	231	254	275	271	308	98	97	98	97	98
Warm air ducted.....	230	253	274	271	308	98	97	98	97	97
Heat pump ²	97	113	128	130	146	41	43	46	47	46
Furnace	133	140	146	140	161	56	54	52	50	51
Hot water or steam	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	5	7	5	8	8	2	3	2	3	2
Electric ³	3	4	3	4	5	1	1	1	2	2
Other types or none ⁴	(B)	3	3	4	3	(B)	1	1	1	1
West	186	199	181	192	185	100	100	100	100	100
Central heating	178	190	173	180	174	96	96	96	93	94
Warm air ducted.....	177	189	172	179	174	95	95	95	93	94
Heat pump ²	20	19	22	30	35	11	10	12	15	19
Furnace	156	170	150	150	139	84	85	83	78	75
Hot water or steam	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	8	9	8	13	11	4	4	4	7	6
Electric ³	3	4	4	6	6	2	2	2	3	3
Other types or none ⁴	5	5	4	7	5	3	2	2	4	3
CONTRACTOR-BUILT HOUSES										
United States	199	188	199	203	190	100	100	100	100	100
Central heating	181	169	174	174	158	91	90	87	86	83
Warm air ducted.....	166	156	159	161	147	84	83	80	79	78
Heat pump ²	55	57	61	62	59	28	30	31	30	31
Furnace	112	99	98	99	89	56	53	49	49	47
Hot water or steam	15	13	15	13	11	7	7	7	7	6
Built-in heating	18	19	25	29	32	9	10	13	14	17
Electric ³	12	10	15	17	18	6	5	8	8	9
Other types or none ⁴	6	8	10	12	15	3	4	5	6	8
Inside MSA's	120	113	123	130	120	100	100	100	100	100
Central heating	113	106	113	118	107	95	94	92	91	90
Warm air ducted.....	106	99	105	110	101	89	88	86	85	85
Heat pump ²	31	32	36	39	37	26	29	30	30	31
Furnace	76	67	69	71	65	63	60	56	55	54
Hot water or steam	7	7	8	8	6	6	6	6	6	5
Built-in heating	6	6	10	11	12	5	6	8	9	10
Electric ³	4	4	8	9	8	3	4	6	7	7
Other types or none ⁴	(B)	(B)	(B)	3	4	(B)	(B)	(B)	2	3

See footnotes at end of table.

Table 10. Type of Heating System, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of heating system	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
Outside MSA's	79	75	77	73	71	100	100	100	100	100
Central heating	68	63	61	56	51	86	83	80	76	72
Warm air ducted	60	57	54	50	46	76	76	71	69	65
Heat pump ²	24	25	25	22	22	30	33	33	30	31
Furnace	36	32	29	28	24	46	43	38	38	34
Hot water or steam	7	6	7	5	5	9	8	9	7	7
Built-in heating	12	13	15	17	20	14	17	20	24	28
Electric ³	8	6	8	8	9	10	8	10	11	13
Other types or none ⁴	4	6	8	9	11	5	9	10	13	16
Northeast	26	26	27	31	26	100	100	100	100	100
Central heating	23	23	23	24	18	90	89	85	80	70
Warm air ducted	12	12	12	13	10	48	48	44	43	37
Heat pump ²	3	4	5	5	4	13	14	17	18	16
Furnace	9	9	7	8	6	35	34	26	25	21
Hot water or steam	11	11	11	11	8	42	41	42	37	32
Built-in heating	3	3	4	6	8	10	11	15	20	30
Electric ³	(B)	(B)	3	5	6	(B)	(B)	13	16	24
Other types or none ⁴	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Midwest	52	43	46	45	40	100	100	100	100	100
Central heating	49	41	44	42	37	95	96	95	95	93
Warm air ducted	47	40	42	41	35	91	93	90	93	89
Heat pump ²	3	3	(B)	(B)	3	5	6	(B)	(B)	7
Furnace	45	37	39	39	33	86	86	85	87	82
Hot water or steam	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	3	(B)	3	(B)	3	5	(B)	5	(B)	7
Electric ³	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none ⁴	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
South	90	92	96	98	95	100	100	100	100	100
Central heating	83	84	86	87	82	92	92	90	89	86
Warm air ducted	83	84	86	86	82	92	91	89	88	86
Heat pump ²	45	46	51	50	47	50	50	53	51	49
Furnace	38	38	35	36	35	42	41	36	37	37
Hot water or steam	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	7	8	10	11	13	8	8	10	11	14
Electric ³	5	5	6	7	6	5	6	7	7	6
Other types or none ⁴	(B)	3	3	4	7	(B)	3	3	4	8
West	31	26	30	30	29	100	100	100	100	100
Central heating	25	20	21	20	21	82	76	70	69	72
Warm air ducted	23	19	20	20	20	76	74	66	67	70
Heat pump ²	4	4	3	4	5	12	16	11	14	17
Furnace	20	15	17	16	15	64	58	55	54	53
Hot water or steam	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	6	6	9	9	8	18	24	30	31	28
Electric ³	3	(B)	4	4	3	10	(B)	13	12	10
Other types or none ⁴	3	5	5	6	5	9	18	18	19	18
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Central heating	123	121	134	144	132	84	83	82	82	77
Warm air ducted	105	105	115	124	116	72	72	70	70	67
Heat pump ²	28	29	34	43	43	19	20	21	24	25
Furnace	77	76	81	81	72	53	52	50	46	42
Hot water or steam	18	17	19	21	16	12	11	12	12	10
Built-in heating	24	25	30	32	40	16	17	18	18	23
Electric ³	7	10	10	12	14	5	7	6	7	8
Other types or none ⁴	17	15	20	20	26	11	11	12	11	15
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Central heating	78	78	92	92	90	92	92	92	90	87
Warm air ducted	68	69	80	81	80	81	82	80	79	77
Heat pump ²	17	17	20	25	28	20	21	20	25	27
Furnace	51	51	60	56	51	61	61	60	54	50
Hot water or steam	9	9	12	11	10	10	10	12	11	10
Built-in heating	7	6	8	10	14	8	8	8	10	13
Electric ³	(B)	3	4	5	6	(B)	3	4	5	6
Other types or none ⁴	5	3	4	5	8	5	4	4	5	7
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Central heating	45	43	42	52	42	73	69	66	70	62
Warm air ducted	37	36	36	42	36	59	57	56	57	53
Heat pump ²	11	11	14	17	15	17	17	22	24	22
Furnace	26	25	22	25	21	41	40	34	34	30
Hot water or steam	9	7	7	10	6	14	12	11	13	9
Built-in heating	17	19	22	22	26	27	31	34	30	38
Electric ³	5	7	6	7	8	8	11	9	9	12
Other types or none ⁴	12	12	16	15	18	20	20	24	20	26

See footnotes at end of table.

Table 10. Type of Heating System, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of heating system	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
OWNER-BUILT HOUSES—Con.										
Northeast	24	27	30	31	30	100	100	100	100	100
Central heating	22	23	26	25	22	90	86	87	80	73
Warm air ducted.....	8	8	10	8	9	35	31	33	27	29
Heat pump ²	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Furnace.....	8	7	8	6	7	31	27	27	20	24
Hot water or steam.....	13	15	16	17	13	55	55	54	53	44
Built-in heating	(B)	4	4	6	8	(B)	14	13	20	27
Electric ³	(B)	(B)	3	4	5	(B)	(B)	9	14	17
Other types or none ⁴	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	9
Midwest	38	40	38	44	36	100	100	100	100	100
Central heating	35	35	35	40	31	91	90	91	90	86
Warm air ducted.....	33	34	32	37	29	86	86	85	84	80
Heat pump ²	(B)	(B)	(B)	3	4	(B)	(B)	(B)	7	11
Furnace.....	31	32	30	34	25	80	81	79	77	68
Hot water or steam.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	3	4	3	5	5	9	10	9	10	14
Electric ³	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Other types or none ⁴	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	8
South	53	54	64	71	75	100	100	100	100	100
Central heating	45	46	54	61	59	85	84	84	86	79
Warm air ducted.....	44	45	54	61	59	83	83	83	86	78
Heat pump ²	21	22	25	34	32	39	40	39	47	43
Furnace.....	23	24	28	27	27	44	43	44	38	36
Hot water or steam.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	8	9	10	10	16	15	16	16	14	21
Electric ³	(B)	(B)	3	3	4	(B)	5	5	4	5
Other types or none ⁴	6	6	7	7	12	11	11	11	9	16
West	32	25	31	30	31	100	100	100	100	100
Central heating	22	17	19	19	20	69	66	61	61	65
Warm air ducted.....	19	16	19	17	19	62	65	60	57	62
Heat pump ²	4	3	4	4	6	12	14	12	13	18
Furnace.....	16	13	15	13	13	49	51	47	45	43
Hot water or steam.....	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Built-in heating	10	9	12	12	11	31	34	39	39	35
Electric ³	(B)	3	(B)	3	3	(B)	12	(B)	9	10
Other types or none ⁴	8	6	10	9	8	25	22	31	30	25

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).

²Includes only electric heat pump.

³Includes electric baseboard, panel, or radiant heat.

⁴Includes room or space heater, floor or wall furnace, solar heating, and other types of heating systems.

Table 11. Type of Parking Facility, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and type of parking facility	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
Northeast	26	26	27	31	26	100	100	100	100	100
Garage: 1 car	(B)	3	4	5	4	(B)	11	15	15	17
2 cars or more	18	17	17	19	14	70	66	65	62	55
Carport	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
No garage or carport	6	6	5	7	7	22	22	20	22	26
Midwest	52	43	46	45	40	100	100	100	100	100
Garage: 1 car	3	(B)	(B)	(B)	(B)	5	(B)	(B)	(B)	(B)
2 cars or more	43	36	39	39	32	82	83	84	87	81
Carport	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
No garage or carport	7	5	5	4	5	13	11	11	10	12
South	90	92	96	98	95	100	100	100	100	100
Garage: 1 car	8	9	10	11	11	8	10	11	11	11
2 cars or more	49	49	48	51	45	55	53	50	53	47
Carport	6	7	8	9	11	7	8	8	10	12
No garage or carport	27	27	29	26	28	30	30	31	27	30
West	31	26	30	30	29	100	100	100	100	100
Garage: 1 car	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	9
2 cars or more	27	22	23	22	21	86	82	76	75	72
Carport	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
No garage or carport	(B)	(B)	4	4	3	(B)	(B)	14	12	11
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Garage: 1 car	11	11	12	15	16	7	8	8	9	9
2 cars or more	92	90	95	102	91	62	62	58	58	53
Carport	6	8	10	9	11	4	5	6	5	6
No garage or carport	39	37	47	50	54	26	25	29	28	31
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Garage: 1 car	5	5	6	8	9	6	6	6	8	8
2 cars or more	63	62	70	71	67	74	74	70	69	64
Carport	3	3	4	3	4	3	3	4	3	4
No garage or carport	14	14	19	21	24	17	17	19	20	23
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Garage: 1 car	6	6	6	7	8	9	9	9	9	11
2 cars or more	29	28	25	31	25	47	45	38	42	36
Carport	3	5	6	7	7	6	8	9	9	10
No garage or carport	25	23	28	29	30	39	38	44	39	43
Northeast	24	27	30	31	30	100	100	100	100	100
Garage: 1 car	3	3	3	4	4	12	11	10	13	13
2 cars or more	14	16	18	18	15	60	59	59	57	51
Carport	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
No garage or carport	7	8	9	9	11	27	29	30	30	35
Midwest	38	40	38	44	36	100	100	100	100	100
Garage: 1 car	(B)	(B)	3	3	3	(B)	(B)	7	7	8
2 cars or more	29	31	29	32	26	74	79	76	73	71
Carport	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
No garage or carport	8	7	6	8	7	21	16	17	19	21
South	53	54	64	71	75	100	100	100	100	100
Garage: 1 car	4	5	5	6	7	7	9	8	8	9
2 cars or more	26	25	28	33	31	49	46	43	46	41
Carport	5	5	7	6	8	9	10	12	9	11
No garage or carport	19	19	24	26	29	35	35	38	37	39
West	32	25	31	30	31	100	100	100	100	100
Garage: 1 car	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	8
2 cars or more	23	18	20	20	19	73	69	64	65	62
Carport	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	9	(B)
No garage or carport	5	4	7	6	7	17	16	24	19	23

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).

Table 12. Number of Stories, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and number of stories	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
CONTRACTOR-BUILT HOUSES—										
Con.										
South	90	92	96	98	95	100	100	100	100	100
1 story	61	63	65	67	69	68	68	68	69	72
2 stories or more ²	28	28	30	29	25	31	31	31	29	26
Split level	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
West	31	26	30	30	29	100	100	100	100	100
1 story	17	13	17	15	16	54	50	56	51	56
2 stories or more ²	13	12	12	13	9	41	44	39	42	32
Split level	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	12
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
1 story	75	75	87	97	100	51	52	53	55	58
2 stories or more ²	67	64	71	71	64	45	44	43	40	37
Split level	5	7	6	9	8	4	5	4	5	5
Inside MSA's	85	85	100	102	103	100	100	100	100	100
1 story	39	39	47	51	56	46	47	47	50	55
2 stories or more ²	43	40	49	46	41	50	48	49	45	40
Split level	3	5	4	6	6	4	5	4	5	6
Outside MSA's	63	62	64	74	69	100	100	100	100	100
1 story	36	36	40	46	44	58	58	62	62	63
2 stories or more ²	24	24	22	25	23	39	36	34	33	33
Split level	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	4	(B)
Northeast	24	27	30	31	30	100	100	100	100	100
1 story	7	7	10	11	11	28	27	32	35	36
2 stories or more ²	17	19	19	19	18	69	69	65	60	59
Split level	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Midwest	38	40	38	44	36	100	100	100	100	100
1 story	21	21	20	25	22	55	54	51	56	60
2 stories or more ²	15	15	16	15	11	38	38	42	34	31
Split level	3	3	(B)	4	3	7	8	(B)	10	9
South	53	54	64	71	75	100	100	100	100	100
1 story	33	34	42	46	51	62	63	65	64	68
2 stories or more ²	19	19	22	25	23	36	36	34	35	30
Split level	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
West	32	25	31	30	31	100	100	100	100	100
1 story	14	13	16	16	17	45	49	50	52	54
2 stories or more ²	16	11	14	12	13	51	44	45	41	40
Split level	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)

B Withheld because estimate did not meet publication standards on the basis of sample size.

¹Includes houses built for rent (not shown separately).²Includes a small number of houses with one and one-half, two and one-half, or three stories.

Table 13. Square Feet of Floor Area, by Category of House and Location: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Category of house, location, and square feet of floor area	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
OWNER-BUILT HOUSES										
United States	147	147	164	176	172	100	100	100	100	100
Under 1,000 square feet	9	8	10	12	13	6	6	6	7	7
1,000 to 1,199 square feet	8	9	10	13	14	5	6	6	7	8
1,200 to 1,599 square feet	29	29	35	38	37	20	20	21	21	21
1,600 to 1,999 square feet	32	32	35	39	37	22	22	21	22	22
2,000 to 2,399 square feet	23	24	25	27	28	15	17	15	16	16
2,400 to 2,999 square feet	22	21	26	25	22	15	15	16	14	13
3,000 square feet or more	25	23	23	22	22	17	15	14	13	13
Inside MSA's	85	85	100	102	103	100	100	100	100	100
Under 1,000 square feet	3	3	3	4	5	4	3	3	4	5
1,000 to 1,199 square feet	3	4	4	6	7	3	4	4	6	6
1,200 to 1,599 square feet	14	13	17	19	19	16	15	17	18	19
1,600 to 1,999 square feet	18	18	21	21	22	21	21	21	21	22
2,000 to 2,399 square feet	14	15	17	19	18	16	18	17	19	18
2,400 to 2,999 square feet	15	14	19	16	16	18	16	19	16	15
3,000 square feet or more	19	18	18	16	16	23	21	19	16	15
Outside MSA's	63	62	64	74	69	100	100	100	100	100
Under 1,000 square feet	6	5	7	8	7	9	9	10	11	11
1,000 to 1,199 square feet	5	5	6	7	8	8	8	9	9	11
1,200 to 1,599 square feet	15	16	18	19	17	25	26	28	25	25
1,600 to 1,999 square feet	14	14	14	18	15	23	22	22	24	21
2,000 to 2,399 square feet	9	9	8	8	9	15	15	12	11	13
2,400 to 2,999 square feet	7	7	7	9	6	11	12	11	12	9
3,000 square feet or more	6	5	5	6	6	9	8	8	8	9
Northeast	24	27	30	31	30	100	100	100	100	100
Under 1,000 square feet	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
1,000 to 1,199 square feet	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	9
1,200 to 1,599 square feet	5	6	6	7	7	22	21	21	22	23
1,600 to 1,999 square feet	4	5	5	6	6	17	19	17	18	19
2,000 to 2,399 square feet	4	4	5	6	5	17	16	16	20	18
2,400 to 2,999 square feet	4	5	5	5	4	18	18	17	15	13
3,000 square feet or more	4	5	5	4	3	15	18	17	13	11
Midwest	38	40	38	44	36	100	100	100	100	100
Under 1,000 square feet	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	6	(B)
1,000 to 1,199 square feet	(B)	3	(B)	4	3	(B)	8	(B)	8	9
1,200 to 1,599 square feet	9	9	9	9	9	22	22	23	21	25
1,600 to 1,999 square feet	9	10	9	12	8	22	24	20	26	22
2,000 to 2,399 square feet	6	7	7	6	6	16	18	18	14	16
2,400 to 2,999 square feet	5	5	6	6	5	14	13	16	14	13
3,000 square feet or more	5	4	5	4	4	13	11	14	10	10
South	53	54	64	71	75	100	100	100	100	100
Under 1,000 square feet	3	3	4	5	7	6	6	6	7	9
1,000 to 1,199 square feet	3	3	4	4	5	6	6	7	6	7
1,200 to 1,599 square feet	11	12	14	16	16	20	22	21	22	21
1,600 to 1,999 square feet	14	12	17	16	18	26	22	26	23	23
2,000 to 2,399 square feet	8	8	7	11	11	15	15	11	16	15
2,400 to 2,999 square feet	6	7	10	10	9	12	13	15	14	12
3,000 square feet or more	9	8	9	9	9	16	15	13	13	12
West	32	25	31	30	31	100	100	100	100	100
Under 1,000 square feet	(B)	(B)	3	3	(B)	(B)	(B)	8	9	(B)
1,000 to 1,199 square feet	(B)	(B)	(B)	(B)	3	(B)	(B)	(B)	(B)	10
1,200 to 1,599 square feet	5	3	6	6	5	16	11	19	20	15
1,600 to 1,999 square feet	5	5	5	6	6	17	19	17	20	19
2,000 to 2,399 square feet	4	5	6	4	5	13	18	19	13	17
2,400 to 2,999 square feet	6	5	5	4	4	19	18	16	14	14
3,000 square feet or more	8	5	5	5	6	24	20	15	17	18

B Withheld because estimate did not meet publication standards on the basis of sample size.

*Includes houses built for rent (not shown separately).

Table 14. Average and Median Square Feet of Floor Area, by Category of House, Location, and Type of Financing: 1986 to 1990

[Averages and medians computed from unrounded figures]

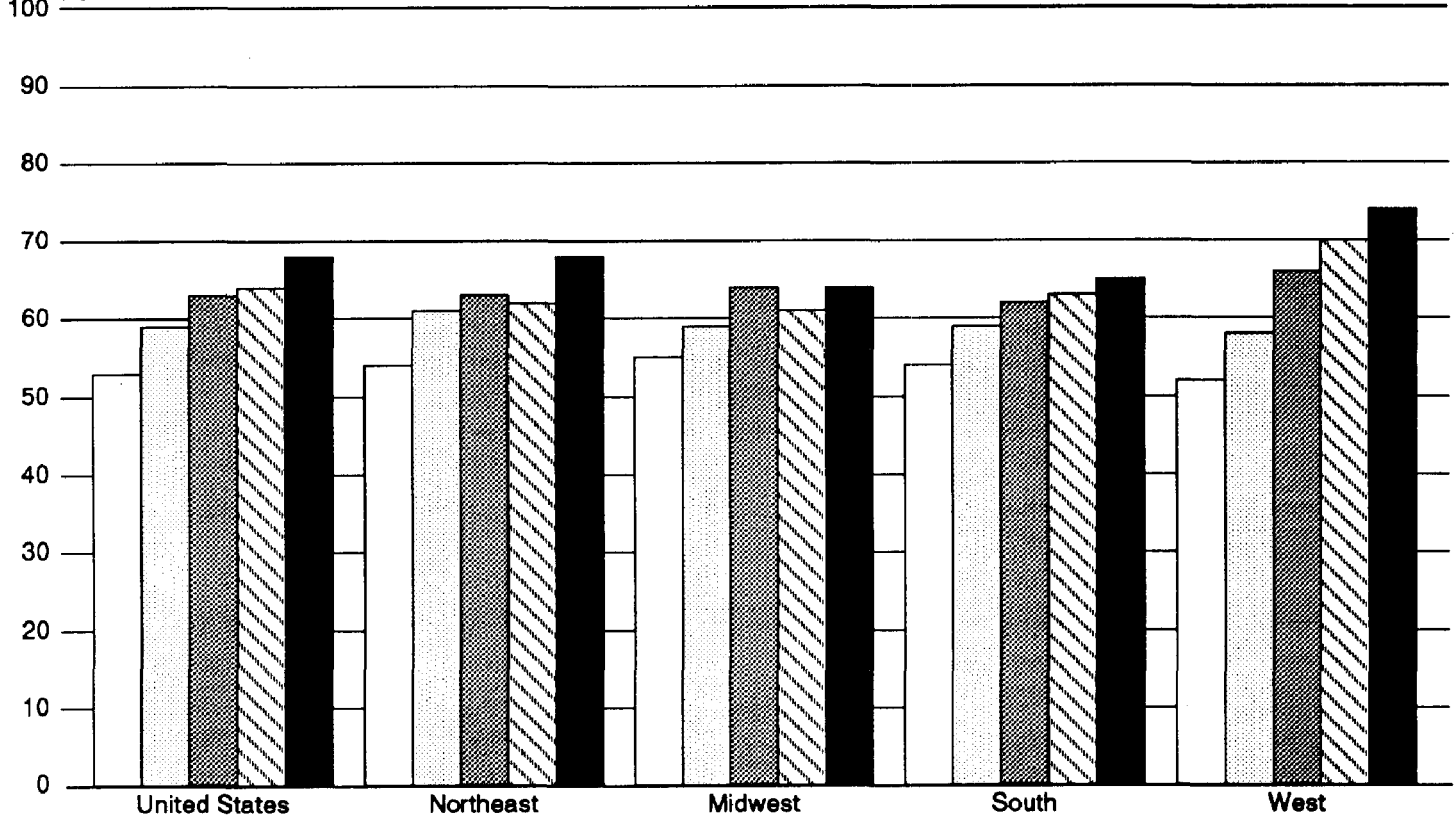
Category of house, location, and type of financing	Average square feet					Median square feet				
	1990	1989	1988	1987	1986	1990	1989	1987	1987	1986
ALL NEW HOUSES¹										
Location										
United States -----	2 080	2 035	1 995	1 905	1 825	1 905	1 850	1 810	1 755	1 660
Inside MSA's -----	2 155	2 105	2 055	1 950	1 865	1 965	1 920	1 860	1 800	1 700
Outside MSA's -----	1 800	1 750	1 750	1 700	1 640	1 630	1 570	1 570	1 565	1 470
Northeast -----	2 105	2 075	2 005	1 955	1 850	1 955	1 870	1 810	1 840	1 695
Midwest -----	2 005	1 970	2 015	1 890	1 855	1 850	1 800	1 840	1 740	1 685
South -----	2 055	2 030	1 985	1 915	1 825	1 855	1 815	1 790	1 755	1 655
West -----	2 160	2 065	1 995	1 870	1 800	1 985	1 910	1 845	1 730	1 635
Type of Financing										
FHA insured -----	1 605	1 565	1 510	1 505	1 490	1 510	1 510	1 455	1 445	1 435
VA guaranteed -----	1 845	1 785	1 730	1 735	1 680	1 755	1 700	1 665	1 655	1 565
Conventional -----	2 220	2 175	2 155	2 055	1 990	2 080	2 020	2 015	1 940	1 865
Farmers Home Administration -----	1 150	1 145	1 060	1 110	1 165	1 080	1 095	1 030	1 095	1 135
Cash -----	1 985	1 960	1 895	1 840	1 810	1 800	1 750	1 690	1 645	1 640
HOUSES BUILT FOR SALE										
Location										
United States -----	2 065	2 015	1 975	1 875	1 790	1 915	1 845	1 810	1 745	1 635
Inside MSA's -----	2 110	2 060	2 005	1 895	1 810	1 955	1 895	1 840	1 765	1 655
Outside MSA's -----	1 665	1 585	1 660	1 605	1 520	1 495	1 405	1 505	1 475	1 395
Northeast -----	2 060	2 005	1 965	1 915	1 845	1 910	1 770	1 770	1 820	1 685
Midwest -----	1 995	1 950	1 955	1 855	1 785	1 835	1 800	1 800	1 705	1 615
South -----	2 055	2 045	1 995	1 910	1 800	1 885	1 840	1 820	1 765	1 645
West -----	2 115	2 010	1 955	1 810	1 740	1 965	1 885	1 825	1 700	1 595
Type of Financing										
FHA insured -----	1 600	1 555	1 500	1 505	1 485	1 510	1 510	1 460	1 445	1 435
VA guaranteed -----	1 805	1 765	1 705	1 715	1 655	1 735	1 695	1 640	1 640	1 555
Conventional -----	2 225	2 165	2 140	2 040	1 970	2 120	2 040	2 025	1 945	1 870
Farmers Home Administration -----	1 140	1 110	1 115	1 175	1 165	1 055	1 090	1 100	1 140	1 125
Cash -----	2 030	1 960	1 935	1 870	1 820	1 850	1 755	1 760	1 680	1 620
CONTRACTOR-BUILT HOUSES										
Location										
United States -----	2 165	2 160	2 130	2 055	1 940	1 945	1 910	1 925	1 865	1 755
Inside MSA's -----	2 315	2 370	2 315	2 235	2 110	2 095	2 100	2 100	2 050	1 925
Outside MSA's -----	1 930	1 845	1 835	1 735	1 660	1 755	1 670	1 635	1 595	1 460
Northeast -----	2 225	2 305	2 190	2 095	1 865	2 140	2 160	2 035	1 950	1 715
Midwest -----	2 075	2 140	2 200	2 065	2 020	1 935	1 880	2 040	1 910	1 900
South -----	2 105	2 050	2 050	2 010	1 915	1 850	1 790	1 800	1 780	1 705
West -----	2 420	2 445	2 225	2 150	1 990	2 185	2 265	2 050	1 945	1 755
Type of Financing										
FHA insured -----	1 575	1 545	1 530	1 465	1 520	1 500	1 450	1 395	1 345	1 405
VA guaranteed -----	2 030	(S)	1 865	1 865	1 880	1 805	(S)	1 835	1 855	1 800
Conventional -----	2 250	2 240	2 220	2 110	2 045	2 080	2 000	2 045	1 960	1 870
Farmers Home Administration -----	1 190	1 195	1 130	1 080	1 165	1 100	1 100	1 100	1 070	1 165
Cash -----	2 075	2 100	1 965	1 920	1 900	1 840	1 870	1 715	1 695	1 705
OWNER-BUILT HOUSES										
Location										
United States -----	2 145	2 120	2 080	2 020	1 980	1 945	1 925	1 885	1 855	1 825
Inside MSA's -----	2 355	2 320	2 270	2 165	2 095	2 150	2 100	2 100	2 005	1 950
Outside MSA's -----	1 860	1 840	1 795	1 800	1 780	1 730	1 710	1 620	1 665	1 630
Northeast -----	2 190	2 225	2 135	2 065	1 950	2 020	2 015	2 000	1 930	1 840
Midwest -----	2 015	1 985	2 060	1 930	1 910	1 835	1 820	1 920	1 795	1 775
South -----	2 105	2 090	2 050	2 015	1 965	1 885	1 870	1 805	1 845	1 820
West -----	2 350	2 280	2 120	2 095	2 110	2 160	2 155	1 975	1 895	1 930
Type of Financing										
FHA insured -----	1 880	(S)	1 835	(S)	1 605	1 695	(S)	1 780	(S)	1 515
VA guaranteed -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Conventional -----	2 275	2 235	2 230	2 120	2 095	2 025	2 050	2 040	1 985	1 945
Farmers Home Administration -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Cash -----	1 970	1 950	1 885	1 860	1 830	1 800	1 780	1 660	1 675	1 685

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review.

¹Includes houses built for rent (not shown separately).

Figure 4.
**New Houses With 1,600 or More Square Feet
of Floor Area**

Percent



New Houses With a Full or Partial Basement

Percent

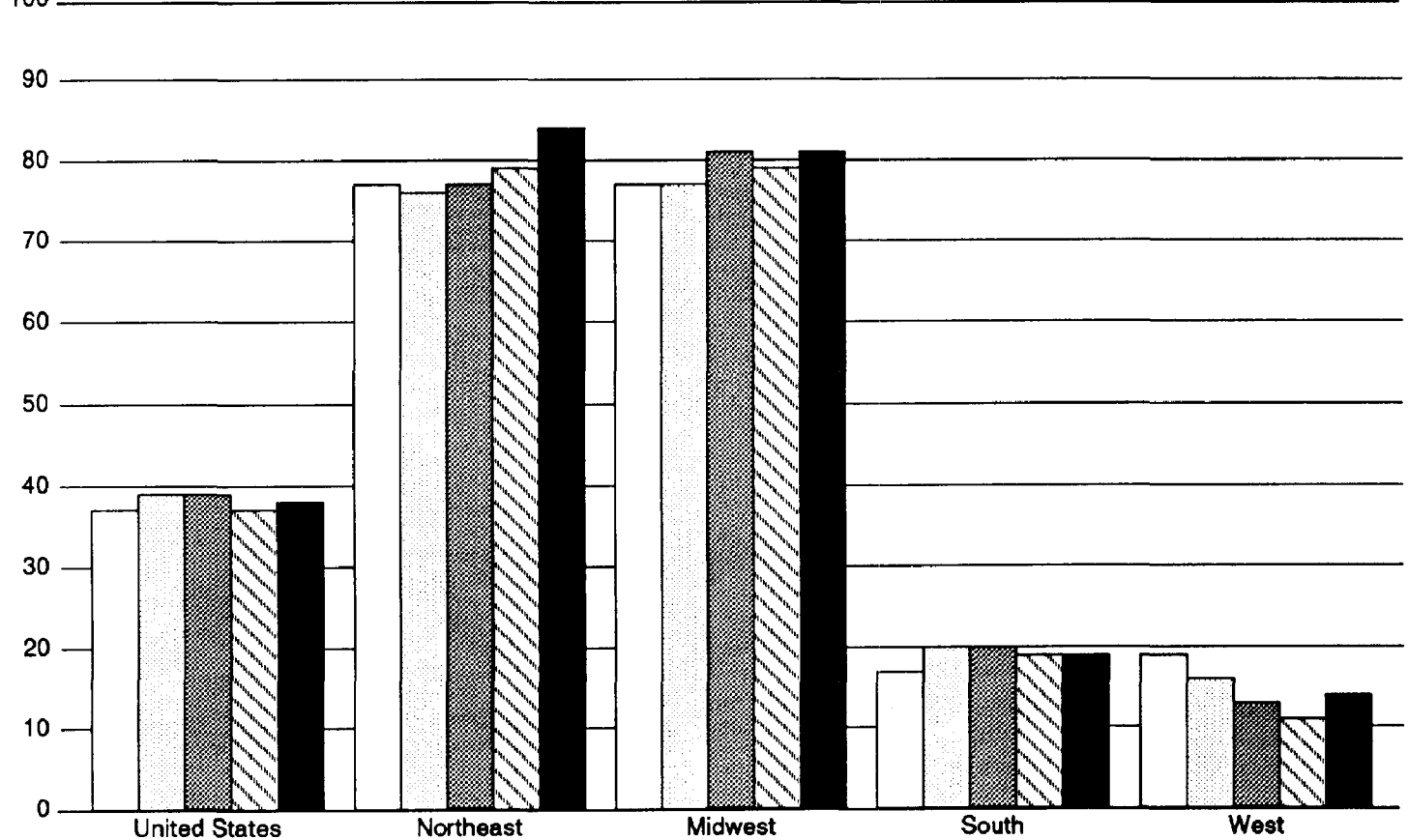
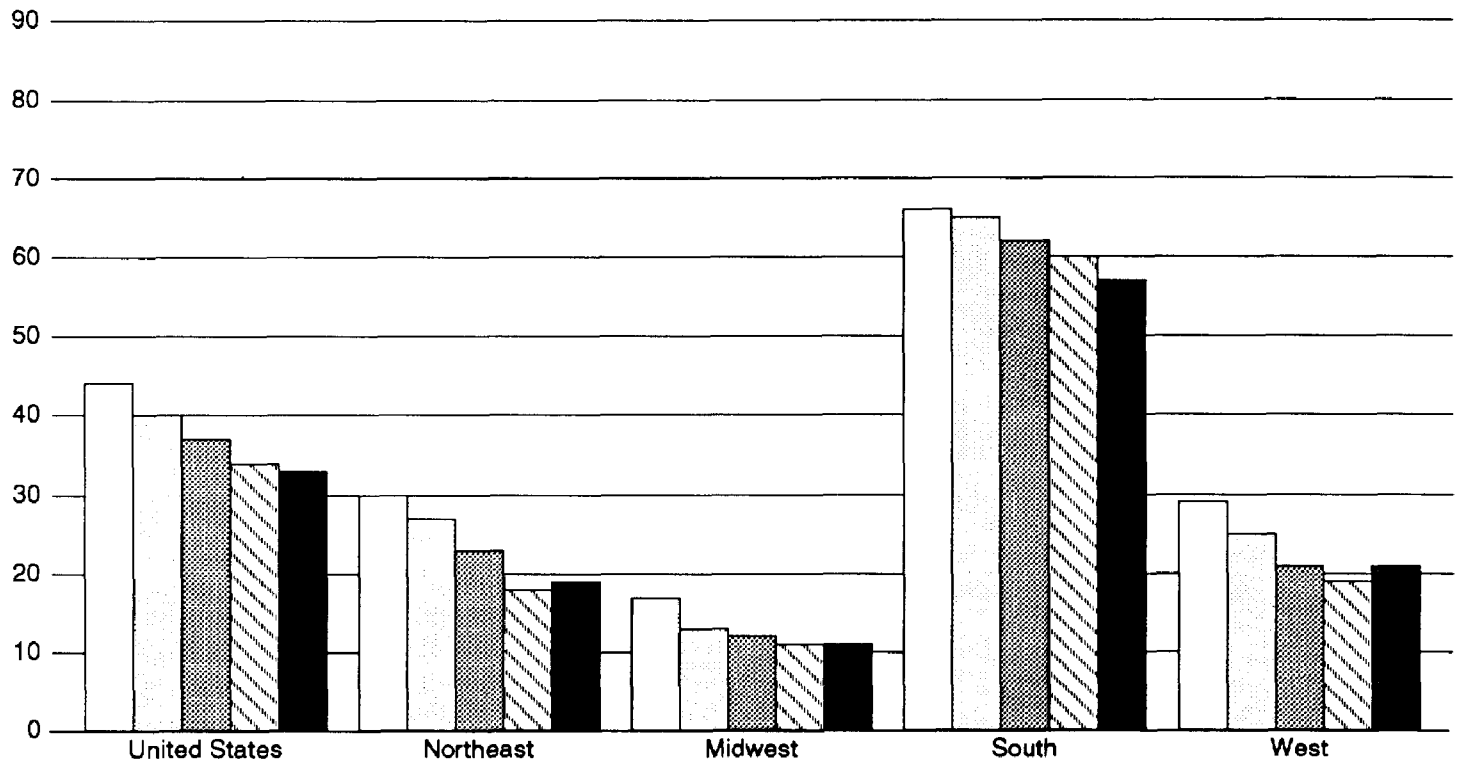


Figure 5.

New Houses Using Electric Heat

1986 1987 1988 1989 1990

Percent



New Houses With a Garage

Percent

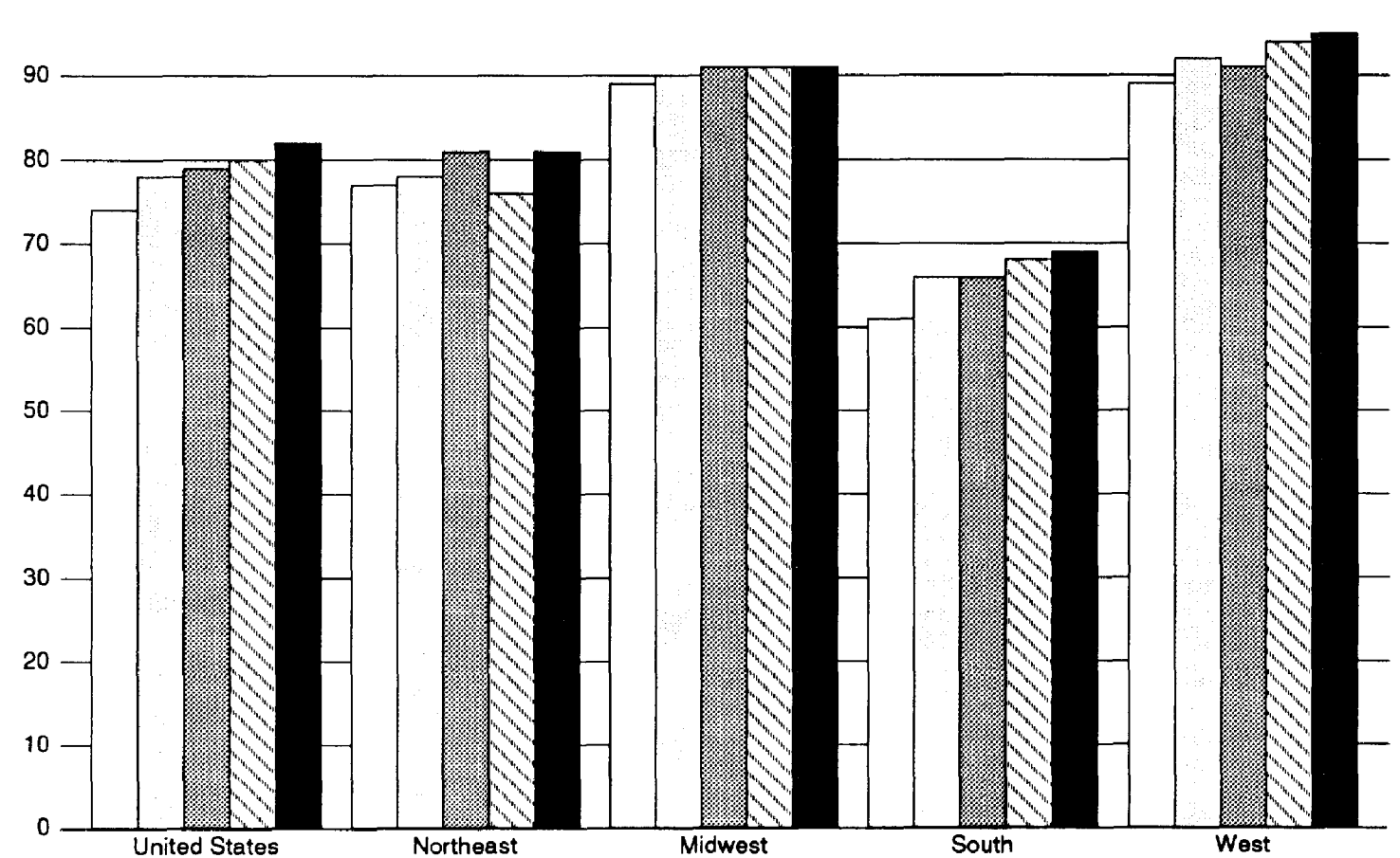


Table 15. Characteristics of New Multifamily Buildings, by Region: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Table with columns for Characteristics and region, and rows for United States, Northeast, Midwest, South, West. Major categories include Number of floors, Number of units, and Air-conditioning, with data for years 1990-1986 and percent distributions.

See footnotes at end of table.

Table 15. Characteristics of New Multifamily Buildings, by Region: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Characteristics and region	Number of buildings (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
TYPE OF HEATING FUEL										
United States	37	44	48	59	72	100	100	100	100	100
Electricity	17	20	24	30	42	46	45	49	51	57
Gas	19	22	23	28	30	52	51	49	47	41
Oil	(Z)	1	1	(Z)	1	(S)	2	1	(S)	1
Other types	1	(S)	(Z)	1	1	2	(S)	(S)	1	1
Northeast	5	8	9	9	9	100	100	100	100	100
Electricity	1	1	2	3	3	15	15	21	29	28
Gas	4	6	6	6	6	79	75	73	66	66
Oil	(Z)	(S)	(S)	(S)	(Z)	(S)	(S)	(S)	(S)	(S)
Other types	(Z)	(S)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Midwest	8	8	9	10	11	100	100	100	100	100
Electricity	2	3	4	4	6	21	32	44	38	55
Gas	6	6	5	6	5	79	67	55	61	45
Oil	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Other types	(Z)	(S)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
South	12	14	15	20	29	100	100	100	100	100
Electricity	10	11	12	16	24	81	78	84	79	83
Gas	2	3	2	4	5	18	22	16	20	17
Oil	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Other types	(Z)	(S)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
West	13	14	15	19	23	100	100	100	100	100
Electricity	5	5	5	8	9	38	38	35	40	38
Gas	8	8	9	11	14	59	57	62	58	60
Oil	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Other types	(Z)	(S)	(S)	(S)	(Z)	(S)	(S)	(S)	(S)	(S)
HEAT PUMP										
United States	37	44	48	59	72	100	100	100	100	100
With a heat pump ¹	8	9	12	14	17	22	21	25	24	24
Without a heat pump	29	35	36	45	55	78	79	75	76	76
Northeast	5	8	9	9	9	100	100	100	100	100
With a heat pump ¹	(Z)	(Z)	1	1	1	(S)	(S)	9	14	8
Without a heat pump	5	7	8	8	8	97	96	91	86	92
Midwest	8	8	9	10	11	100	100	100	100	100
With a heat pump ¹	(Z)	(Z)	1	1	1	(S)	(S)	13	9	11
Without a heat pump	7	8	8	10	10	96	97	87	91	89
South	12	14	15	20	29	100	100	100	100	100
With a heat pump ¹	6	6	7	8	12	49	45	50	42	41
Without a heat pump	6	8	7	11	17	51	55	50	58	59
West	13	14	15	19	23	100	100	100	100	100
With a heat pump ¹	2	3	2	3	4	16	19	16	18	16
Without a heat pump	11	11	13	16	19	84	81	84	82	84

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. Z Fewer than 500 buildings or less than 0.5 percent.

¹Includes only electric heat pump.

Table 16. Characteristics of Units in Multifamily Buildings, by Region: 1986 to 1990—Con.



[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Characteristics and region	Number of units (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
BATHROOMS PER UNIT—Con.										
West	121	131	156	190	216	100	100	100	100	100
1 bathroom	53	56	71	91	112	44	42	46	48	52
1 1/2 bathrooms	7	8	10	13	17	6	6	7	7	8
2 bathrooms or more	62	67	74	87	87	51	52	48	46	40
AVERAGE SQUARE FEET PER UNIT/PER BUILDING²										
United States	342	397	445	546	636	100	100	100	100	100
Less than 600 square feet	17	27	23	43	64	5	7	5	8	10
600 to 799 square feet	67	84	88	126	176	20	21	20	23	28
800 to 999 square feet	110	120	159	170	198	32	30	36	31	31
1,000 to 1,199 square feet	80	89	91	108	113	24	22	21	20	18
1,200 square feet or more	68	76	84	99	85	20	19	19	18	13
Northeast	31	60	62	62	61	100	100	100	100	100
Less than 600 square feet	1	3	2	5	4	5	5	3	8	7
600 to 799 square feet	6	8	5	5	8	20	13	9	9	13
800 to 999 square feet	10	16	18	11	13	32	26	28	18	21
1,000 to 1,199 square feet	4	9	13	15	15	12	15	21	24	25
1,200 square feet or more	9	24	24	26	20	31	40	39	41	33
Midwest	68	76	89	101	100	100	100	100	100	100
Less than 600 square feet	1	4	3	4	9	2	5	3	4	9
600 to 799 square feet	10	14	16	21	31	15	18	17	21	31
800 to 999 square feet	21	21	33	31	25	31	28	37	31	25
1,000 to 1,199 square feet	20	23	18	23	20	29	30	20	22	20
1,200 square feet or more	16	15	20	22	15	23	19	22	21	15
South	121	129	138	193	259	100	100	100	100	100
Less than 600 square feet	7	10	10	16	29	6	8	7	8	11
600 to 799 square feet	25	31	28	51	71	21	24	20	26	27
800 to 999 square feet	38	41	45	56	83	31	31	33	29	32
1,000 to 1,199 square feet	31	28	33	40	45	26	22	24	21	17
1,200 square feet or more	20	20	22	31	31	17	15	16	16	12
West	121	131	156	190	216	100	100	100	100	100
Less than 600 square feet	7	10	9	18	22	6	8	6	9	10
600 to 799 square feet	25	31	39	49	66	21	24	25	26	31
800 to 999 square feet	42	42	63	71	76	35	32	40	38	35
1,000 to 1,199 square feet	25	29	28	31	32	21	22	18	16	15
1,200 square feet or more	22	18	18	21	19	18	14	11	11	9
AVERAGE AND MEDIAN SQUARE FEET OF FLOOR AREA²										
United States										
Average	1 005	1 000	990	980	911	(Z)	(X)	(X)	(X)	(X)
Median	955	940	940	920	876	(Z)	(X)	(X)	(X)	(X)
Northeast										
Average	1 055	1 175	1 180	1 250	1 076	(Z)	(X)	(X)	(X)	(X)
Median	935	1 080	1 120	1 135	1 059	(Z)	(X)	(X)	(X)	(X)
Midwest										
Average	1 050	1 000	1 035	1 005	920	(Z)	(X)	(X)	(X)	(X)
Median	1 020	990	960	960	879	(Z)	(X)	(X)	(X)	(X)
South										
Average	970	945	970	955	897	(Z)	(X)	(X)	(X)	(X)
Median	950	915	935	905	871	(Z)	(X)	(X)	(X)	(X)
West										
Average	1 000	985	930	920	884	(Z)	(X)	(X)	(X)	(X)
Median	940	920	900	880	853	(Z)	(X)	(X)	(X)	(X)

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable. Z Fewer than 500 units or less than 0.5 percent.

¹Includes only electric heat pump.
²All units in building are included in one size category based on average number of square feet per housing unit. The average was calculated using total square feet of all floors based on exterior dimensions divided by number of housing units in the building. Hallways, lobbies, and elevator shafts were included in the total floor area; unfinished basements, common laundry rooms, etc., were excluded.

Figure 6.
Comparison of Completed Units With Selected Characteristics: 1986 to 1990

 One-family units
 Units in multifamily buildings

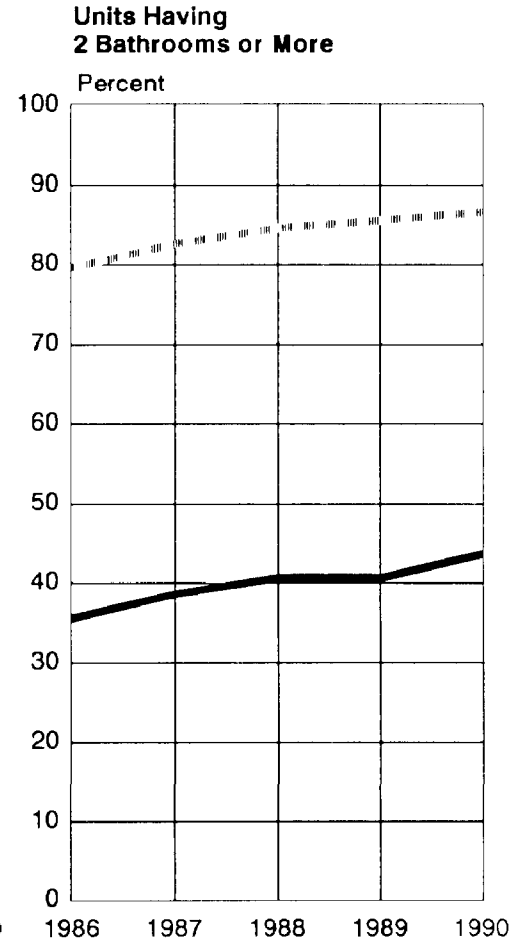
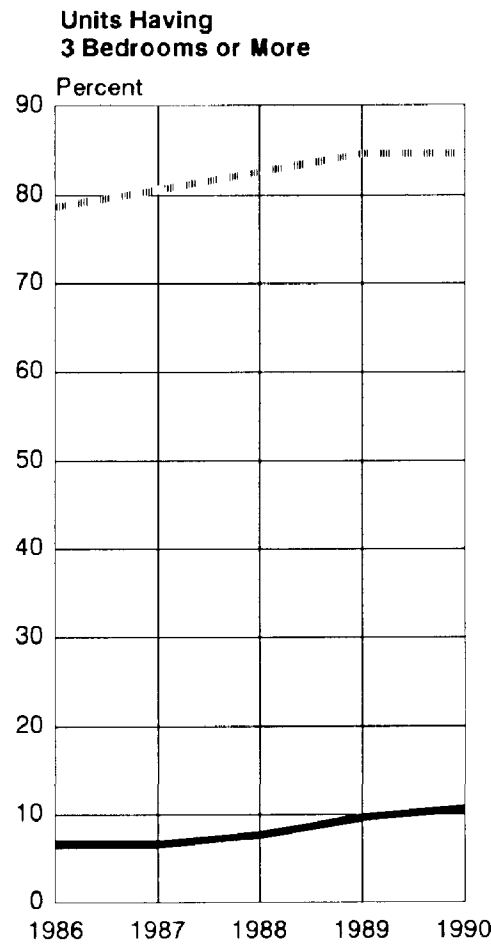
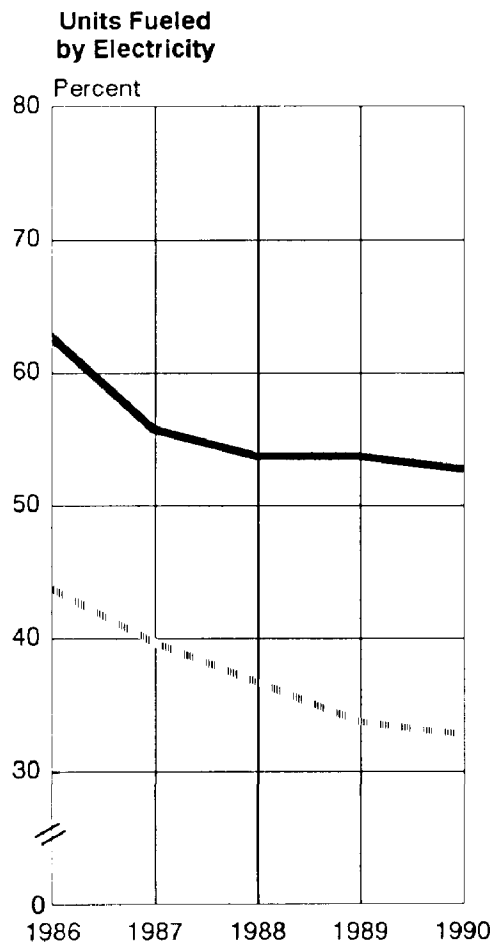
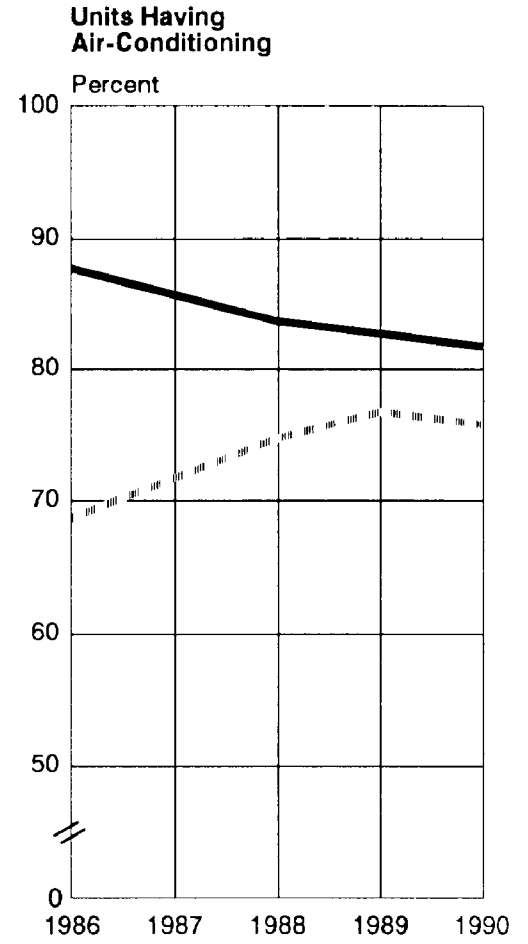
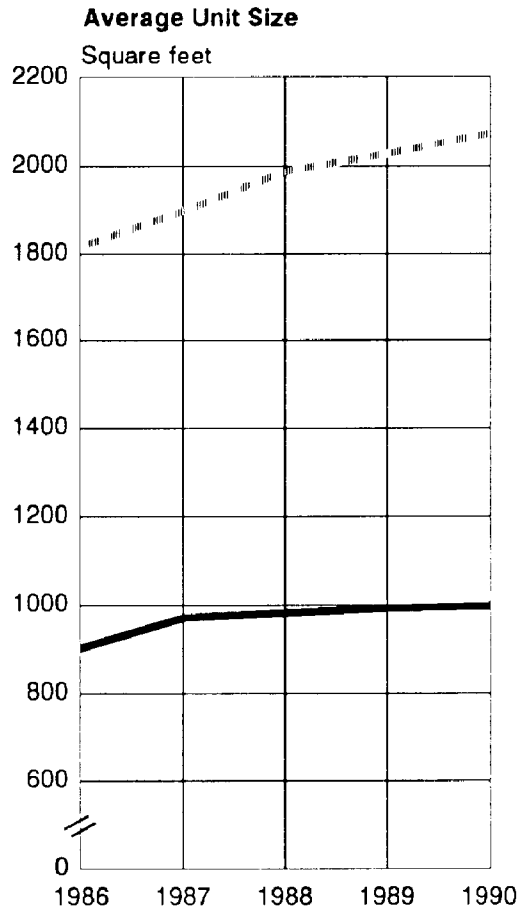


Table 17. Sales Price of Houses, by Location and Type of Financing: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Sales price, location, and type of financing	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
VA-guaranteed	33	44	44	58	72	100	100	100	100	100
Under \$70,000	6	11	11	17	22	18	25	26	28	30
\$70,000 to \$79,999	6	7	7	9	13	18	16	16	15	18
\$80,000 to \$99,999	8	9	9	15	18	24	20	21	25	25
\$100,000 to \$119,999	4	5	8	10	11	13	12	19	18	16
\$120,000 to \$149,999	5	9	6	5	6	14	20	15	9	9
\$150,000 to \$199,999	3	(B)	(B)	(B)	(B)	10	(B)	(B)	(B)	(B)
\$200,000 to \$249,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$250,000 and over	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Average sales price	103 800	97 800	92 200	89 200	87 100	(X)	(X)	(X)	(X)	(X)
Median sales price	91 500	89 000	87 000	84 400	81 900	(X)	(X)	(X)	(X)	(X)
Conventional	337	416	437	408	411	100	100	100	100	100
Under \$70,000	16	23	33	35	60	5	6	7	9	15
\$70,000 to \$79,999	15	16	24	24	32	4	4	5	6	8
\$80,000 to \$99,999	35	46	57	64	67	11	11	13	16	18
\$100,000 to \$119,999	35	50	55	55	61	11	12	13	13	15
\$120,000 to \$149,999	69	83	87	78	64	21	20	20	19	16
\$150,000 to \$199,999	74	85	84	74	71	22	20	19	18	17
\$200,000 to \$249,999	37	44	40	35	27	11	10	9	8	6
\$250,000 and over	55	69	55	40	24	16	17	13	10	6
Average sales price	173 900	173 100	159 500	147 100	129 800	(X)	(X)	(X)	(X)	(X)
Median sales price	147 700	145 000	135 000	126 100	113 500	(X)	(X)	(X)	(X)	(X)
Farmers Home Administration	10	14	6	8	12	100	100	100	100	100
Under \$70,000	9	13	5	8	11	87	93	94	94	92
\$70,000 to \$79,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$80,000 to \$99,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$100,000 to \$119,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$120,000 to \$149,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$150,000 to \$199,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$200,000 to \$249,999	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
\$250,000 and over	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)
Average sales price	57 300	48 500	52 000	53 600	49 700	(X)	(X)	(X)	(X)	(X)
Median sales price	48 000	42 500	45 800	47 700	46 000	(X)	(X)	(X)	(X)	(X)
Cash	50	58	62	64	59	100	100	100	100	100
Under \$70,000	7	9	9	9	12	15	16	15	14	21
\$70,000 to \$79,999	4	6	6	6	5	7	10	9	10	9
\$80,000 to \$99,999	8	9	11	11	14	16	16	19	18	24
\$100,000 to \$119,999	7	8	10	10	7	14	13	16	16	12
\$120,000 to \$149,999	8	8	11	12	9	15	13	17	18	15
\$150,000 to \$199,999	8	8	7	8	6	16	13	11	13	10
\$200,000 to \$249,999	3	4	3	3	3	5	8	6	5	4
\$250,000 and over	6	4	4	4	(B)	12	11	7	6	(B)
Average sales price	149 300	144 000	128 100	131 000	115 000	(X)	(X)	(X)	(X)	(X)
Median sales price	117 100	112 000	108 400	109 900	96 000	(X)	(X)	(X)	(X)	(X)

B Withheld because estimate did not meet publication standards on the basis of sample size. X Not applicable.

Table 18. Closing Costs Included in Sales Price of Houses, by Location and Type of Financing: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Closing costs, location, and type of financing	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
United States	534	650	676	671	750	100	100	100	100	100
Included	122	134	138	144	195	23	21	20	21	26
Not included	412	516	538	527	555	77	79	80	79	74
Inside MSA's	481	591	618	617	693	100	100	100	100	100
Included	107	120	126	130	178	22	20	20	21	26
Not included	375	471	492	487	515	78	80	80	79	74
Outside MSA's	53	59	58	54	56	100	100	100	100	100
Included	15	14	12	14	(S)	29	24	21	26	(S)
Not included	37	44	46	40	(S)	71	76	79	74	(S)
Northeast	71	86	101	117	136	100	100	100	100	100
Included	7	6	5	6	7	10	7	5	5	5
Not included	64	80	95	111	129	90	93	95	95	95
Midwest	89	102	97	97	96	100	100	100	100	100
Included	19	21	18	19	21	21	21	18	19	22
Not included	70	80	79	78	75	79	79	82	81	78
South	225	260	276	271	322	100	100	100	100	100
Included	78	87	96	97	136	35	33	35	36	42
Not included	147	173	180	174	186	65	67	65	64	58
West	149	202	202	186	196	100	100	100	100	100
Included	18	20	20	24	31	12	10	10	13	16
Not included	130	182	182	162	165	88	90	90	87	84
FHA insured	105	118	127	132	196	100	100	100	100	100
Included	34	33	33	31	61	33	28	26	24	31
Not included	70	84	94	100	135	67	72	74	76	69
VA guaranteed	33	44	44	58	72	100	100	100	100	100
Included	14	19	18	24	33	43	44	40	42	46
Not included	19	25	27	34	39	57	56	60	58	54
Conventional	337	416	437	408	411	100	100	100	100	100
Included	60	66	73	74	80	18	16	17	18	19
Not included	277	350	364	335	332	82	84	83	82	81
Farmers Home Administration	10	14	6	8	12	100	100	100	100	100
Included	(B)	(B)	(B)	3	6	(B)	(B)	(B)	31	46
Not included	9	12	4	6	6	92	86	76	69	54
Cash	50	58	62	64	59	100	100	100	100	100
Included	11	12	13	13	15	22	21	21	20	25
Not included	39	46	49	51	44	78	79	79	80	75

B Withheld because estimate did not meet publication standards on the basis of sample size.

Table 19. Price Per Square Foot of Floor Area, by Location: 1986 to 1990—Con.

[Price per square foot of floor area excludes value of improved lot. Components may not add to totals because of rounding. Percents computed from unrounded figures]

Price per square foot and location	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
South	225	260	276	271	322	(X)	(X)	(X)	(X)	(X)
Houses sold reporting sales price per square foot	143	163	162	156	184	100	100	100	100	100
With price per square foot:										
Under \$35.00	27	35	38	39	48	19	21	24	25	26
\$35.00 to \$39.99	30	32	32	33	46	21	20	19	21	25
\$40.00 to \$44.99	27	29	31	31	41	19	18	19	20	22
\$45.00 to \$49.99	19	22	21	19	22	14	13	13	12	12
\$50.00 to \$54.99	12	14	14	13	12	9	8	9	8	6
\$55.00 to \$59.99	10	10	8	8	7	7	6	5	5	4
\$60.00 to \$64.99	5	6	6	4	4	3	4	4	2	2
\$65.00 to \$69.99	5	4	4	4	3	3	2	2	2	2
\$70.00 and over	9	12	8	5	3	6	7	5	3	2
Average price per square foot	47.30	47.50	45.50	43.70	41.85	(X)	(X)	(X)	(X)	(X)
Median price per square foot	42.85	42.35	41.65	40.90	39.65	(X)	(X)	(X)	(X)	(X)
West	149	202	202	186	196	(X)	(X)	(X)	(X)	(X)
Houses sold reporting sales price per square foot	50	69	68	71	82	100	100	100	100	100
With price per square foot:										
Under \$35.00	3	8	7	9	14	7	11	11	13	16
\$35.00 to \$39.99	3	6	10	9	12	7	9	15	12	14
\$40.00 to \$44.99	6	10	10	13	17	11	15	15	19	21
\$45.00 to \$49.99	7	9	9	12	14	14	13	14	17	17
\$50.00 to \$54.99	7	8	8	9	9	15	12	12	13	11
\$55.00 to \$59.99	5	6	6	5	5	10	8	9	7	6
\$60.00 to \$64.99	4	3	3	3	4	7	5	5	5	4
\$65.00 to \$69.99	3	4	3	3	3	6	6	4	4	4
\$70.00 and over	12	15	10	7	5	24	21	15	10	6
Average price per square foot	62.80	58.30	54.85	50.85	47.25	(X)	(X)	(X)	(X)	(X)
Median price per square foot	54.15	50.40	48.05	46.65	44.65	(X)	(X)	(X)	(X)	(X)

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable. Z Fewer than 500 units or less than 0.5 percent.

NOTE: The nonresponse rate for these data is very high, and it is not reported uniformly by sales price or region.

Table 21. Selected Characteristics, by Sales Price: 1990

[Value of improved lot included in sales price of house. Price per square foot of floor area excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Characteristic	Total	Sales price of house						Average sales price (dollars)	Median sales price (dollars)
		Under \$70,000	\$70,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$199,999	\$200,000 to \$249,999	\$250,000 and over		
New houses sold (in thousands) -----	534	64	130	152	86	41	61	149 800	122 900
LOCATION									
Number of Houses (in thousands)									
Inside MSA's -----	481	48	114	138	81	39	60	154 400	125 900
Outside MSA's -----	53	15	17	13	5	(B)	(B)	105 400	89 000
Northeast -----	71	(B)	7	23	15	11	14	190 500	159 000
Midwest -----	89	13	27	24	11	5	8	133 000	107 900
South -----	225	42	72	58	27	12	13	123 500	99 000
West -----	149	7	24	46	33	13	26	180 600	147 500
Percent Distribution									
Inside MSA's -----	90	78	88	92	94	95	98	(X)	(X)
Outside MSA's -----	10	22	12	8	6	(B)	(B)	(X)	(X)
Northeast -----	13	(B)	5	14	16	24	21	(X)	(X)
Midwest -----	17	21	21	16	13	12	13	(X)	(X)
South -----	42	66	55	39	32	31	22	(X)	(X)
West -----	28	11	19	32	39	33	44	(X)	(X)
FINANCIAL CHARACTERISTICS									
Appliances Included in Sales Price of House									
Number of Houses (in thousands)									
Stove:									
Included -----	500	51	120	145	84	39	60	153 000	125 000
Not included -----	34	12	11	6	3	(B)	(B)	100 000	82 500
Dishwasher:									
Included -----	494	44	121	145	84	40	60	154 500	126 300
Not included -----	40	20	9	7	(B)	(B)	(B)	87 400	69 900
Refrigerator:									
Included -----	97	8	17	27	15	10	18	183 300	139 500
Not included -----	437	56	113	125	71	31	44	142 400	118 800
Percent Distribution									
Stove:									
Included -----	94	80	92	96	97	97	98	(X)	(X)
Not included -----	6	20	8	4	3	(B)	(B)	(X)	(X)
Dishwasher:									
Included -----	93	69	93	96	97	98	98	(X)	(X)
Not included -----	7	31	7	4	(B)	(B)	(B)	(X)	(X)
Refrigerator:									
Included -----	18	12	13	18	17	23	29	(X)	(X)
Not included -----	82	88	87	82	83	77	71	(X)	(X)
Closing Costs Included in Sales Price									
Number of Houses (in thousands)									
Included -----	122	22	42	31	13	6	9	122 100	97 500
Not included -----	412	42	88	121	74	35	53	157 100	130 000
Percent Distribution									
Included -----	23	34	33	20	15	14	14	(X)	(X)
Not included -----	77	66	67	80	85	86	86	(X)	(X)
Type of Financing									
Number of Houses (in thousands)									
FHA insured -----	105	26	54	23	(B)	(B)	(B)	86 500	82 700
VA guaranteed -----	33	6	14	9	3	(B)	(B)	103 800	91 500
Conventional -----	337	16	50	105	74	37	55	173 900	147 700
Farmers Home Administration -----	10	9	(B)	(B)	(B)	(B)	(B)	57 300	48 000
Cash -----	50	7	12	14	8	3	6	149 300	117 100
Percent Distribution									
FHA insured -----	20	41	41	15	(B)	(B)	(B)	(X)	(X)
VA guaranteed -----	6	9	10	6	4	(B)	(B)	(X)	(X)
Conventional -----	63	25	39	69	86	92	89	(X)	(X)
Farmers Home Administration -----	2	14	(B)	(B)	(B)	(B)	(B)	(X)	(X)
Cash -----	9	11	9	10	9	6	10	(X)	(X)

See footnotes at end of table.

Table 21. Selected Characteristics, by Sales Price: 1990—Con.

[Value of improved lot included in sales price of house. Price per square foot of floor area excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Characteristic	Total	Sales price of house						Average sales price (dollars)	Median sales price (dollars)
		Under \$70,000	\$70,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$199,999	\$200,000 to \$249,999	\$250,000 and over		
FINANCIAL CHARACTERISTICS—Con.									
With or Without Second Mortgage									
Number of Houses (in thousands)									
With first mortgage	484	56	118	137	79	38	56	148 000	122 000
With second mortgage	3	(B)	(B)	(B)	(B)	(B)	(B)	(S)	(S)
Without second mortgage	482	56	118	136	78	38	55	146 100	121 700
Without first mortgage (cash)	50	7	12	14	8	3	6	149 300	117 100
Percent Distribution									
With first mortgage	91	89	91	91	91	93	91	(X)	(X)
With second mortgage	1	(B)	(B)	(B)	(B)	(B)	(B)	(X)	(X)
Without second mortgage	99	99	100	99	99	100	99	(X)	(X)
Without first mortgage (cash)	9	11	9	9	9	7	9	(X)	(X)
Price Per Square Foot of Floor Area									
Number of Houses (in thousands)									
Total reporting price per square foot	286	43	80	76	39	20	27	139 000	112 000
Under \$35.00	38	15	16	5	1	(Z)	(Z)	79 600	76 000
\$35.00 to \$39.99	39	11	17	8	2	(Z)	(Z)	89 300	80 700
\$40.00 to \$44.99	42	8	18	12	4	1	(Z)	100 700	90 000
\$45.00 to \$49.99	40	4	12	15	6	1	1	117 600	110 000
\$50.00 to \$54.99	32	2	8	13	6	2	1	131 100	122 600
\$55.00 to \$59.99	26	1	5	9	6	3	2	150 200	139 500
\$60.00 to \$64.99	17	(Z)	2	3	4	3	2	172 100	156 000
\$65.00 to \$69.99	15	(Z)	2	3	4	3	3	195 700	183 500
\$70.00 and over	37	(Z)	1	5	6	6	18	281 800	247 000
Percent Distribution									
Under \$35.00	13	36	19	7	3	(S)	(S)	(X)	(X)
\$35.00 to \$39.99	14	27	22	11	5	(S)	(S)	(X)	(X)
\$40.00 to \$44.99	15	18	22	16	9	4	(S)	(X)	(X)
\$45.00 to \$49.99	14	10	15	20	16	6	2	(X)	(X)
\$50.00 to \$54.99	11	5	10	17	16	11	4	(X)	(X)
\$55.00 to \$59.99	9	2	6	12	16	15	6	(X)	(X)
\$60.00 to \$64.99	6	(S)	3	6	11	13	9	(X)	(X)
\$65.00 to \$69.99	5	(S)	2	4	9	15	13	(X)	(X)
\$70.00 and over	13	(S)	2	7	15	32	65	(X)	(X)
PHYSICAL CHARACTERISTICS									
Central Air-Conditioning									
Number of Houses (in thousands)									
Installed	434	52	110	124	70	31	46	146 000	119 000
Not installed	100	12	20	28	16	10	15	159 100	130 000
Percent Distribution									
Installed	81	81	84	82	82	75	75	(X)	(X)
Not installed	19	19	16	18	18	25	25	(X)	(X)
Number of Bathrooms									
Number of Houses (in thousands)									
1 bathroom	27	15	8	3	(B)	(B)	(B)	71 200	64 000
1 1/2 bathrooms	25	7	7	8	(B)	(B)	(B)	97 300	87 300
2 bathrooms	230	40	90	67	22	7	5	107 500	92 900
2 1/2 bathrooms	167	(B)	21	59	40	21	25	172 500	150 000
3 bathrooms or more	86	(B)	5	15	21	13	32	256 500	205 000
Percent Distribution									
1 bathroom	5	24	6	2	(B)	(B)	(B)	(X)	(X)
1 1/2 bathrooms	5	11	5	5	(B)	(B)	(B)	(X)	(X)
2 bathrooms	43	63	69	44	26	7	7	(X)	(X)
2 1/2 bathrooms	31	(B)	16	39	47	52	40	(X)	(X)
3 bathrooms or more	16	(B)	4	10	25	31	52	(X)	(X)
Number of Bedrooms									
Number of Houses (in thousands)									
2 bedrooms or less	60	14	18	17	5	3	(B)	107 100	93 500
3 bedrooms	301	49	98	91	37	13	13	118 500	101 000
4 bedrooms or more	173	(B)	14	44	44	25	47	217 400	180 000
Percent Distribution									
2 bedrooms or less	11	21	14	11	6	6	(B)	(X)	(X)
3 bedrooms	56	77	76	60	43	32	22	(X)	(X)
4 bedrooms or more	32	(B)	10	29	51	61	76	(X)	(X)
Principal Type of Exterior Wall Material									
Number of Houses (in thousands)									
Brick	100	18	23	26	14	7	9	139 200	111 000
Wood or wood products	200	23	55	54	29	15	23	146 200	118 800
Stucco	108	5	18	33	23	10	22	185 800	149 300
Aluminum siding	35	3	6	10	8	3	3	150 800	133 500
Other types ¹	91	14	28	29	12	5	4	120 800	107 000
Percent Distribution									
Brick	19	28	18	17	16	18	14	(X)	(X)
Wood or wood products	37	36	42	35	34	36	38	(X)	(X)
Stucco	20	8	14	21	27	25	36	(X)	(X)
Aluminum siding	7	5	5	7	9	8	6	(X)	(X)
Other types ¹	17	22	22	19	14	13	6	(X)	(X)

See footnotes at end of table.

Table 21. Selected Characteristics, by Sales Price: 1990—Con.

[Value of improved lot included in sales price of house. Price per square foot of floor area excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Characteristic	Total	Sales price of house						Average sales price (dollars)	Median sales price (dollars)
		Under \$70,000	\$70,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$199,999	\$200,000 to \$249,999	\$250,000 and over		
PHYSICAL CHARACTERISTICS—Con.									
Number of Fireplaces									
Number of Houses (in thousands)									
No fireplace	145	43	49	34	11	3	3	99 700	84 900
1 fireplace	354	21	81	115	72	31	36	150 100	132 000
2 fireplaces or more	35	(B)	(B)	3	4	6	22	343 300	285 000
Percent Distribution									
No fireplace	27	67	38	22	13	9	6	(X)	(X)
1 fireplace	66	33	62	76	83	77	59	(X)	(X)
2 fireplaces or more	7	(B)	(B)	2	4	14	36	(X)	(X)
Floor Area									
Number of Houses (in thousands)									
Under 1,000 square feet	10	5	3	(B)	(B)	(B)	(B)	74 000	68 600
1,000 to 1,199 square feet	42	23	12	6	(B)	(B)	(B)	74 400	67 000
1,200 to 1,599 square feet	125	27	55	34	5	(B)	(B)	95 400	85 200
1,600 to 1,999 square feet	121	7	41	46	19	6	4	123 700	111 000
2,000 to 2,399 square feet	90	(B)	13	38	24	8	6	150 800	139 900
2,400 to 2,999 square feet	84	(B)	5	22	25	14	19	199 100	177 000
3,000 square feet and over	62	(B)	(B)	6	12	11	32	301 000	253 000
Percent Distribution									
Under 1,000 square feet	2	8	2	(B)	(B)	(B)	(B)	(X)	(X)
1,000 to 1,199 square feet	8	36	9	4	(B)	(B)	(B)	(X)	(X)
1,200 to 1,599 square feet	23	42	43	22	6	(B)	(B)	(X)	(X)
1,600 to 1,999 square feet	23	11	31	30	22	14	7	(X)	(X)
2,000 to 2,399 square feet	17	(B)	10	25	28	20	9	(X)	(X)
2,400 to 2,999 square feet	16	(B)	3	14	28	35	31	(X)	(X)
3,000 square feet or more	12	(B)	(B)	4	14	26	52	(X)	(X)
Type of Foundation									
Number of Houses (in thousands)									
Full or partial basement	191	11	39	56	34	21	28	164 800	137 900
Slab	251	38	67	70	38	15	24	138 900	112 000
Crawl space	91	14	24	25	15	5	9	144 600	115 000
Percent Distribution									
Full or partial basement	36	18	30	37	39	52	45	(X)	(X)
Slab	47	60	52	46	44	36	40	(X)	(X)
Crawl space	17	22	18	17	17	12	15	(X)	(X)
Type of Heating System									
Number of Houses (in thousands)									
Central heating									
Warm air ducted	519	60	125	148	85	40	60	149 600	123 000
Heat pump ²	492	59	123	142	80	36	54	147 100	120 000
Furnace	121	23	37	35	15	7	5	117 400	99 300
Hot water or steam	371	35	86	107	65	29	49	158 600	130 000
Built-in heating									
Electric baseboard, panel, or radiant heat	27	(B)	(B)	6	5	5	6	197 900	167 500
Room or space heater, floor or wall furnaces, other types, or none	15	4	5	3	(B)	(B)	(B)	123 900	91 500
Percent Distribution									
Warm air ducted	9	3	3	(B)	(B)	(B)	(B)	107 800	80 000
Room or space heater, floor or wall furnaces, other types, or none	6	(B)	(B)	(B)	(B)	(B)	(B)	(S)	(S)
Central heating									
Warm air ducted	97	94	96	98	99	99	97	(X)	(X)
Heat pump ²	92	92	94	94	93	88	88	(X)	(X)
Furnace	23	37	29	23	17	17	8	(X)	(X)
Hot water or steam	69	56	66	70	76	71	80	(X)	(X)
Built-in heating									
Electric baseboard, panel, or radiant heat	5	(B)	(B)	4	6	12	9	(X)	(X)
Room or space heater, floor or wall furnaces, other types, or none	3	6	4	2	(B)	(B)	(B)	(X)	(X)
Percent Distribution									
Electric baseboard, panel, or radiant heat	2	4	2	(B)	(B)	(B)	(B)	(X)	(X)
Room or space heater, floor or wall furnaces, other types, or none	1	(B)	(B)	(B)	(B)	(B)	(B)	(S)	(S)
Type of Heating Fuel									
Number of Houses (in thousands)									
Gas	352	31	80	102	63	28	47	157 800	130 000
Electricity	161	32	49	44	19	8	8	120 200	99 300
Oil	19	(B)	(B)	4	4	4	6	233 100	212 000
Other types or none	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(S)	(S)
Percent Distribution									
Gas	66	49	62	67	73	70	76	(X)	(X)
Electricity	30	51	38	29	22	20	13	(X)	(X)
Oil	4	(B)	(B)	3	4	10	10	(X)	(X)
Other types or none	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(S)	(S)

See footnotes at end of table.

Table 21. Selected Characteristics, by Sales Price: 1990—Con.

[Value of improved lot included in sales price of house. Price per square foot of floor area excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Characteristic	Total	Sales price of house						Average sales price (dollars)	Median sales price (dollars)
		Under \$70,000	\$70,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$199,999	\$200,000 to \$249,999	\$250,000 and over		
PHYSICAL CHARACTERISTICS—Con.									
Size of Lot									
Number of Houses (in thousands)									
Total reporting size of lot	359	47	89	99	59	27	39	147 200	120 800
Under 7,000 square feet	97	13	24	33	16	5	7	135 900	116 900
7,000 to 8,999 square feet	58	10	15	16	10	3	3	128 400	110 000
9,000 to 10,999 square feet	57	10	16	15	9	4	4	127 900	107 000
11,000 to 21,999 square feet	99	9	25	27	18	9	11	150 900	127 000
22,000 square feet or more	48	4	8	9	8	7	13	208 000	163 400
Average lot size	14 860	12 505	12 955	12 625	14 575	19 050	23 310	(X)	(X)
Median lot size	10 000	9 000	10 000	9 000	10 000	12 760	15 000	(X)	(X)
Percent Distribution									
Under 7,000 square feet	27	27	27	33	26	18	19	(X)	(X)
7,000 to 8,999 square feet	16	22	17	16	12	9	9	(X)	(X)
9,000 to 10,999 square feet	16	22	18	15	14	13	11	(X)	(X)
11,000 to 21,999 square feet	28	20	29	27	30	33	28	(X)	(X)
22,000 square feet or more	14	9	9	9	13	24	34	(X)	(X)
Type of Parking Facility									
Number of Houses (in thousands)									
Garage: 1 car	59	15	14	15	7	3	(B)	114 300	99 000
2 cars or more	410	26	95	123	75	36	58	162 800	133 900
Carport	7	3	(B)	(B)	(B)	(B)	(B)	103 800	72 900
Neither garage nor carport	58	20	20	13	3	(B)	(B)	91 100	79 900
Percent Distribution									
Garage: 1 car	11	23	11	10	8	7	(B)	(X)	(X)
2 cars or more	77	41	73	81	87	89	95	(X)	(X)
Carport	1	5	(B)	(B)	(B)	(B)	(B)	(X)	(X)
Neither garage nor carport	11	31	15	9	4	(B)	(B)	(X)	(X)
Number of Stories									
Number of Houses (in thousands)									
1 story	224	52	77	60	22	6	8	108 700	91 000
2 stories or more ¹	283	8	39	85	63	34	53	186 300	154 900
Split level	27	4	14	7	(B)	(B)	(B)	106 100	89 500
Percent Distribution									
1 story	42	82	59	39	25	15	12	(X)	(X)
2 stories or more ¹	53	12	30	56	73	83	87	(X)	(X)
Split level	5	6	10	5	(B)	(B)	(B)	(X)	(X)

B Withheld because estimate did not meet publication standards on the basis of sample size. S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable. Z Fewer than 500 units or less than 0.5 percent.

¹Includes vinyl siding, cinder block, cement block, stone, and other types.

²Includes only electric heat pump.

³Includes houses with 1 1/2, 2 1/2, and 3 stories.

Table 22. Selected Characteristics, by Design of House: 1990

[Price per square foot of floor area excludes value of improved lot. Components may not add to totals because of rounding. Average, medians, and percents computed from unrounded figures]

Characteristic	Number of houses (thousands)			Percent distribution		
	Total	Attached	Detached	Total	Attached	Detached
Total	534	56	478	100	100	100
Location:						
Inside MSA's.....	481	52	429	90	92	90
Outside MSA's.....	53	4	49	10	8	10
Northeast.....	71	19	52	13	34	11
Midwest.....	89	8	81	17	14	17
South.....	225	23	202	42	40	42
West.....	149	6	143	28	12	30
Sale price:						
Under \$70,000.....	64	8	55	12	15	12
\$70,000 to \$79,999.....	46	5	41	9	9	9
\$80,000 to \$89,999.....	84	7	78	16	12	16
\$100,000 to \$119,999.....	63	9	54	12	16	11
\$120,000 to \$149,999.....	88	12	76	16	22	16
\$150,000 to \$199,999.....	86	6	80	16	11	17
\$200,000 to \$249,999.....	41	4	37	8	7	8
\$250,000 and over.....	61	4	57	12	7	12
Average sales price.....	149 800	131 400	151 800	(X)	(X)	(X)
Median sales price.....	122 900	116 700	123 900	(X)	(X)	(X)
Square feet of floor area:						
Under 1,000 square feet.....	10	3	7	2	6	2
1,000 to 1,199 square feet.....	42	7	35	8	13	7
1,200 to 1,599 square feet.....	125	20	105	23	36	22
1,600 to 1,999 square feet.....	121	14	107	23	24	22
2,000 to 2,399 square feet.....	90	6	84	17	12	17
2,400 to 2,999 square feet.....	84	3	81	16	6	17
3,000 square feet or more.....	62	(B)	60	12	(B)	12
Average square feet.....	2 050	1 660	2 090	(X)	(X)	(X)
Median square feet.....	1 890	1 525	1 940	(X)	(X)	(X)
Total reporting price per square foot of floor area.....	286	19	267	100	100	100
Under \$35.00.....	38	2	36	13	11	13
\$35.00 to \$39.99.....	39	3	36	14	17	14
\$40.00 to \$44.99.....	42	2	40	15	12	15
\$45.00 to \$49.99.....	40	2	38	14	12	14
\$50.00 to \$54.99.....	32	2	31	11	9	12
\$55.00 to \$59.99.....	26	2	24	9	10	9
\$60.00 to \$64.99.....	17	1	15	6	7	6
\$65.00 to \$69.99.....	15	1	14	5	8	5
\$70.00 and over.....	37	3	34	13	15	13
Average price per square foot.....	53.05	53.05	53.05	(X)	(X)	(X)
Median price per square foot.....	47.85	49.15	47.75	(X)	(X)	(X)
Central air-conditioning:						
Installed.....	434	48	386	81	85	81
Not installed.....	100	8	92	19	15	19
Number of bathrooms:						
1 bathroom.....	27	3	24	5	6	5
1 1/2 bathrooms.....	25	10	15	5	18	3
2 bathrooms.....	230	20	210	43	35	44
2 1/2 bathrooms or more.....	253	23	230	47	40	48
Number of bedrooms:						
2 bedrooms or less.....	60	27	33	11	48	7
3 bedrooms.....	301	27	274	56	48	57
4 bedrooms or more.....	173	(B)	171	32	(B)	36
Principal type of exterior wall material:						
Brick.....	100	7	93	19	13	19
Wood or wood products.....	200	21	179	37	37	37
Stucco.....	108	7	101	20	12	21
Aluminum siding.....	35	9	26	7	15	6
Other types ¹	91	12	79	17	22	17
Number of fireplaces:						
No fireplace.....	145	26	119	27	46	25
1 fireplace or more.....	389	30	359	73	54	75
Type of foundation:						
Full or partial basement.....	191	27	164	36	49	34
Slab.....	251	24	227	47	43	48
Crawl space.....	91	4	87	17	8	18
Type of heating fuel:						
Gas.....	352	32	320	66	56	67
Electricity.....	161	23	138	30	41	29
Oil.....	19	(B)	18	4	(B)	4
Other types or none.....	(B)	(B)	(B)	(B)	(B)	(B)
Types of heating system:						
Warm-air furnace.....	371	31	340	69	55	71
Electric heat pump.....	121	20	101	23	35	21
Hot water or steam.....	27	4	23	5	7	5
Built-in electric.....	9	(B)	8	2	(B)	2
Other types or none.....	6	(B)	6	1	(B)	1
Parking facility:						
Garage: 1 car.....	59	19	40	11	35	8
2 cars or more.....	410	16	394	77	28	82
Carport.....	7	(B)	7	1	(B)	1
No garage or carport.....	58	21	37	11	37	8

B Withheld because estimate did not meet publication standards on the basis of sample size. X Not applicable.

¹Includes vinyl siding, cinder block, cement block, stone and other types.

Table 23. Selected Appliances Included in Sales Price of House, by Location: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Selected appliances and location	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
United States -----	534	650	676	671	750	100	100	100	100	100
Stove:										
Included -----	500	606	633	631	703	94	93	94	94	94
Not included -----	34	44	43	40	47	6	7	6	6	6
Dishwasher:										
Included -----	494	602	630	621	686	93	93	93	93	92
Not included -----	40	48	46	50	63	7	7	7	7	8
Refrigerator:										
Included -----	97	115	123	138	145	18	18	18	21	19
Not included -----	437	535	553	533	605	82	82	82	79	81
Inside MSA's -----	481	591	618	617	693	100	100	100	100	100
Stove:										
Included -----	457	557	585	587	655	95	94	95	95	94
Not included -----	24	34	33	31	39	5	6	5	5	6
Dishwasher:										
Included -----	454	557	583	578	642	94	94	94	94	93
Not included -----	28	34	35	39	51	6	6	6	6	7
Refrigerator:										
Included -----	83	97	102	117	126	17	16	16	19	18
Not included -----	398	494	516	500	567	83	84	84	81	82
Outside MSA's -----	53	59	58	54	56	100	100	100	100	100
Stove:										
Included -----	43	48	48	44	47	81	82	83	82	83
Not included -----	10	10	10	10	9	19	18	17	18	17
Dishwasher:										
Included -----	40	45	47	43	43	77	76	81	80	77
Not included -----	12	14	11	11	13	23	24	19	20	23
Refrigerator:										
Included -----	14	18	21	21	19	26	30	37	39	35
Not included -----	39	41	37	33	37	74	70	63	61	65
Northeast -----	71	86	101	117	136	100	100	100	100	100
Stove:										
Included -----	66	82	94	111	126	93	95	93	95	92
Not included -----	5	4	7	6	10	7	5	7	5	8
Dishwasher:										
Included -----	64	80	94	108	121	89	93	93	92	89
Not included -----	8	6	7	9	15	11	7	7	8	11
Refrigerator:										
Included -----	21	23	27	35	35	30	26	27	30	25
Not included -----	50	63	74	82	102	70	74	73	70	75
Midwest -----	89	102	97	97	96	100	100	100	100	100
Stove:										
Included -----	67	74	71	73	71	76	72	73	75	74
Not included -----	22	28	26	24	25	24	28	27	25	26
Dishwasher:										
Included -----	75	83	81	80	78	85	81	83	83	82
Not included -----	14	19	16	17	18	15	19	17	17	18
Refrigerator:										
Included -----	17	18	17	17	15	19	18	18	18	16
Not included -----	72	83	80	80	81	81	82	82	82	84
South -----	225	260	276	271	322	100	100	100	100	100
Stove:										
Included -----	218	249	268	263	313	97	96	97	97	97
Not included -----	7	10	8	8	9	3	4	3	3	3
Dishwasher:										
Included -----	209	240	257	255	302	93	93	93	94	94
Not included -----	16	19	19	16	20	7	7	7	6	6
Refrigerator:										
Included -----	51	65	70	78	84	23	25	26	29	26
Not included -----	174	194	205	193	238	77	75	74	71	74
West -----	149	202	202	186	196	100	100	100	100	100
Stove:										
Included -----	148	201	201	184	192	100	99	99	99	98
Not included -----	(B)	(B)	(B)	(B)	4	(B)	(B)	(B)	(B)	2
Dishwasher:										
Included -----	146	199	198	178	184	98	98	98	96	94
Not included -----	(B)	3	5	8	11	(B)	2	2	4	6
Refrigerator:										
Included -----	8	9	9	10	12	5	4	4	5	6
Not included -----	141	193	194	176	184	95	96	96	95	94

B Withheld because estimate did not meet publication standards on the basis of sample size.
 Note: Starting in 1991 appliance data will no longer be collected.

Table 24. Price Index of Houses Sold in the United States: 1977 to 1990

[Averages computed from unrounded figures. 1987=100.0]

Year	Price index of new one-family houses sold, including value of lot					Average sales price for—	
	United States	Region				Kinds of houses sold in 1987 (estimated from price index)	Houses actually sold each year
		Northeast	Midwest	South	West		
1977	51.5	39.1	56.6	54.0	51.9	65 500	54 200
1978	58.8	42.8	64.8	60.1	62.1	74 800	62 500
1979	67.6	49.0	72.6	69.2	72.4	86 000	71 800
1980	74.6	53.8	75.9	77.2	81.0	94 900	76 400
1981	80.6	58.4	82.9	83.9	86.1	102 500	83 000
1982	82.6	60.4	85.3	86.6	87.1	105 000	83 900
1983	84.6	64.2	85.2	89.0	88.8	107 600	89 800
1984	88.3	69.7	90.2	91.9	92.0	112 300	97 600
1985	90.1	76.7	88.7	93.8	92.7	114 600	100 800
1986	94.4	88.0	93.7	96.6	95.0	120 100	111 900
1987	100.0	100.0	100.0	100.0	100.0	127 200	127 200
1988	103.6	102.4	104.4	102.3	105.4	131 800	138 300
1989	107.5	105.5	106.8	105.2	112.0	136 800	148 800
1990	109.1	103.3	107.7	105.4	117.4	138 700	149 800

BRIEF EXPLANATION OF THE PRICE INDEX

The price index is designed to measure changes over time in the sales price of new one-family houses which are the same with respect to important physical characteristics. It is derived from five separate price models. There are four models for detached houses, one for each of the Census regions and one model for attached houses in the United States. Seven characteristics are common to all five models. They are: 1) floor area, 2) geographic division within region, 3) inside or outside of a metropolitan statistical area (MSA), 4) number of fireplaces, 5) number of bathrooms, 6) type of parking facility and 7) type of foundation. Several characteristics are specific to one or more of these five models. These are central air-conditioning, type of heating system, number of bedrooms and condominium ownership. Although the price index is designed to measure price changes, keeping quality constant with regard to the characteristics, houses may vary from one time period to the next due to workmanship, materials, and mechanical equipment. Hence, the price index only accounts for such quality characteristics insofar as they may be correlated with the characteristics actually used. These characteristics account for from 60 to 80 percent of the variation in the logarithm of the sales price of new one-family houses.

The price indexes have been structured so that each index equals 100.0 in 1987. The price index for the United States is a weighted average of the indexes computed from the four regional detached models and the attached model. The weight for each index is the proportion of all housing units sold in 1987 of that type. Each regional index is a weighted average of the detached regional index and an attached regional index. The weight for each of these indexes is the proportion of housing units sold in that region of that type in 1987.

Each index is calculated by making a regression estimate of the logarithm of the sales price of the 1987 house based on the characteristics used for each index. After the regression coefficients have been computed from the current data, the current period index number for each of the five indexes is calculated from the Laspeyres, fixed weight formula

by dividing an estimate (shown in column six) of the average price of the kinds of houses sold in 1987 in terms of what they would have sold for in another period by the average sales price of houses sold in 1987.

Since the price index applies to the total sales price, it covers not only cost of labor and materials, but also land cost, direct and indirect selling expenses, and seller's profits. The index is thus conceptually broader in coverage than a cost index. Reflecting the sales price, the price index is affected by all factors which influence movements of house prices—both supply factors such as wage rates, material costs and productivity, and demand factors such as demographic changes, income, and availability of mortgage money.

The price index is computed from actual transaction prices, including value of the developed lot, of houses built for sale and actually sold by merchant or speculative builders. Excluded from the index are houses built for the exclusive use of the land owner who either hires a single general contractor to build the house or acts as his own general contractor. A house is defined as sold when a sales contract is signed or deposit accepted regardless of the stage of construction and the month of sale refers to the contract or deposit date.

Because the price index is based on fixed proportions of certain characteristics of new houses sold in 1987, movements of the price index may differ greatly from changes in the average sales price of new houses actually sold. Unlike the price index, the average sales price of new houses actually sold may change from one period to the next not only because of price changes which are independent of quality, but also because of shifts in quality, that is, the proportions of new houses with different characteristics.

For example, the price index indicates that new houses sold in 1987, which had an average sales price of \$127,200, would have sold for \$138,700 in 1990. However, the actual average sales price of new houses sold in 1990 was \$149,800. The difference of \$11,100 may be attributed to the shift towards larger houses and houses with more amenities.

Table 25. Contract Price of Houses, by Location: 1986 to 1990

[Contract price excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Contract price and location	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
United States	196	192	196	208	204	100	100	100	100	100
Under \$50,000	27	32	36	41	44	14	16	18	20	22
\$50,000 to \$69,999	34	31	36	40	48	17	16	19	19	23
\$70,000 to \$99,999	46	49	50	54	50	24	26	25	26	25
\$100,000 to \$119,999	21	18	18	19	17	10	10	9	9	9
\$120,000 to \$149,999	25	22	20	20	20	13	12	10	10	10
\$150,000 to \$199,999	18	19	18	17	13	9	10	9	8	7
\$200,000 and over	26	20	19	17	11	13	11	10	8	5
Average contract price	119 400	112 100	105 000	100 000	88 900	(X)	(X)	(X)	(X)	(X)
Median contract price	90 000	87 800	82 000	80 400	73 800	(X)	(X)	(X)	(X)	(X)
Inside MSA's	117	116	117	132	128	100	100	100	100	100
Under \$50,000	11	14	12	16	17	9	12	10	12	13
\$50,000 to \$69,999	18	16	18	22	26	16	14	16	16	21
\$70,000 to \$99,999	25	28	32	35	35	22	24	27	27	27
\$100,000 to \$119,999	12	12	13	14	14	10	10	11	11	11
\$120,000 to \$149,999	17	15	14	16	16	14	13	12	12	13
\$150,000 to \$199,999	12	14	12	15	10	10	12	10	11	8
\$200,000 and over	22	17	16	14	9	18	14	14	11	7
Average contract price	137 500	126 200	122 000	115 300	101 300	(X)	(X)	(X)	(X)	(X)
Median contract price	102 000	98 900	95 000	92 800	84 700	(X)	(X)	(X)	(X)	(X)
Outside MSA's	80	76	79	76	76	100	100	100	100	100
Under \$50,000	16	18	24	24	28	21	23	31	32	37
\$50,000 to \$69,999	16	14	18	19	22	20	19	22	24	26
\$70,000 to \$99,999	21	21	18	19	15	27	28	23	25	20
\$100,000 to \$119,999	9	6	5	5	4	11	8	7	7	5
\$120,000 to \$149,999	8	7	6	5	4	11	10	7	6	5
\$150,000 to \$199,999	5	5	6	(B)	3	6	7	7	(B)	4
\$200,000 and over	4	4	3	3	(B)	5	5	3	3	(B)
Average contract price	92 700	90 300	80 800	74 300	68 400	(X)	(X)	(X)	(X)	(X)
Median contract price	80 000	75 000	67 000	64 600	58 300	(X)	(X)	(X)	(X)	(X)
Northeast	25	25	27	31	32	100	100	100	100	100
Under \$50,000	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
\$50,000 to \$69,999	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
\$70,000 to \$99,999	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
\$100,000 to \$119,999	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
\$120,000 to \$149,999	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
\$150,000 to \$199,999	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
\$200,000 and over	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Average contract price	(S)	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)
Median contract price	(S)	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)
Midwest	53	45	45	47	45	100	100	100	100	100
Under \$50,000	6	6	6	6	8	11	14	13	13	18
\$50,000 to \$69,999	10	8	9	9	10	19	17	20	20	22
\$70,000 to \$99,999	15	13	12	13	12	29	29	28	28	27
\$100,000 to \$119,999	6	4	4	5	5	11	9	9	10	11
\$120,000 to \$149,999	6	4	5	5	4	11	9	11	11	10
\$150,000 to \$199,999	5	4	4	5	4	9	10	9	10	8
\$200,000 and over	6	5	5	3	(B)	11	12	10	7	(B)
Average contract price	111 700	111 900	105 600	102 000	91 400	(X)	(X)	(X)	(X)	(X)
Median contract price	89 000	85 000	85 000	85 200	80 400	(X)	(X)	(X)	(X)	(X)
South	68	91	95	101	98	100	100	100	100	100
Under \$50,000	19	22	24	28	29	21	24	26	28	29
\$50,000 to \$69,999	18	15	18	21	24	20	16	19	20	24
\$70,000 to \$99,999	22	22	23	24	21	25	25	24	23	21
\$100,000 to \$119,999	7	8	7	7	7	8	8	7	7	7
\$120,000 to \$149,999	9	9	8	8	3	10	10	8	8	8
\$150,000 to \$199,999	6	8	7	7	5	6	9	8	7	5
\$200,000 and over	8	7	7	7	4	9	8	7	7	4
Average contract price	102 300	99 900	94 000	89 100	81 200	(X)	(X)	(X)	(X)	(X)
Median contract price	80 000	80 000	75 000	71 200	65 800	(X)	(X)	(X)	(X)	(X)
West	30	32	30	29	29	100	100	100	100	100
Under \$50,000	(B)	(B)	3	4	4	(B)	(B)	12	13	15
\$50,000 to \$69,999	4	4	5	5	8	12	12	15	18	27
\$70,000 to \$99,999	6	8	8	9	8	19	25	26	31	27
\$100,000 to \$119,999	4	3	3	3	(B)	14	11	9	10	(B)
\$120,000 to \$149,999	5	6	4	3	3	18	19	13	9	10
\$150,000 to \$199,999	3	4	3	3	(B)	9	12	11	9	(B)
\$200,000 and over	7	5	4	3	(B)	24	16	15	10	(B)
Average contract price	169 300	137 200	128 300	113 000	95 500	(X)	(X)	(X)	(X)	(X)
Median contract price	120 000	110 000	94 500	85 600	75 200	(X)	(X)	(X)	(X)	(X)

B Withheld because estimate did not meet publication standards on the basis of sample size. S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable.

Table 26. Price Per Square Foot of Floor Area, by Location: 1986 to 1990

[Contract price excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Price per square foot, and location	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
United States	196	192	196	208	204	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	152	146	150	156	160	100	100	100	100	100
With price per square foot:										
Under \$35.00	30	29	35	41	45	20	20	23	26	28
\$35.00 to \$39.99	16	18	19	23	23	11	12	13	15	14
\$40.00 to \$44.99	16	19	21	21	22	10	13	14	13	14
\$45.00 to \$49.99	17	18	18	17	19	11	12	12	11	12
\$50.00 to \$54.99	16	16	15	15	16	11	11	10	10	10
\$55.00 to \$59.99	16	13	11	12	11	11	9	7	8	7
\$60.00 to \$64.99	11	10	9	8	8	7	7	6	5	5
\$65.00 to \$69.99	8	7	6	5	5	5	5	4	3	3
\$70.00 and over	23	17	16	14	11	15	12	11	9	7
Average price per square foot	55.45	52.40	49.90	48.40	46.05	(X)	(X)	(X)	(X)	(X)
Median price per square foot	49.25	46.85	45.00	43.40	42.75	(X)	(X)	(X)	(X)	(X)
Inside MSA's	117	116	117	132	128	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	90	89	87	98	99	100	100	100	100	100
With price per square foot:										
Under \$35.00	13	15	14	20	22	15	17	16	21	22
\$35.00 to \$39.99	8	10	10	12	13	9	11	12	12	14
\$40.00 to \$44.99	9	11	13	13	14	10	13	15	13	14
\$45.00 to \$49.99	10	11	11	12	12	11	13	12	12	13
\$50.00 to \$54.99	10	10	10	12	12	11	11	11	12	12
\$55.00 to \$59.99	11	8	8	9	8	12	9	9	9	8
\$60.00 to \$64.99	6	6	6	6	5	7	6	6	6	5
\$65.00 to \$69.99	5	5	5	4	3	5	5	5	4	3
\$70.00 and over	17	12	11	10	8	19	13	13	11	8
Average price per square foot	59.60	54.35	53.05	51.35	48.30	(X)	(X)	(X)	(X)	(X)
Median price per square foot	51.95	48.35	47.65	46.30	44.95	(X)	(X)	(X)	(X)	(X)
Outside MSA's	80	76	79	76	76	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	62	57	63	59	61	100	100	100	100	100
With price per square foot:										
Under \$35.00	16	14	21	21	23	27	25	33	36	38
\$35.00 to \$39.99	8	8	9	11	9	12	13	14	18	15
\$40.00 to \$44.99	7	8	8	8	8	11	13	12	14	12
\$45.00 to \$49.99	7	7	7	5	7	11	11	12	9	11
\$50.00 to \$54.99	6	6	6	4	4	10	10	9	6	7
\$55.00 to \$59.99	5	4	3	3	3	8	8	5	5	4
\$60.00 to \$64.99	5	4	3	2	3	7	6	5	3	4
\$65.00 to \$69.99	3	2	1	1	1	5	4	2	2	2
\$70.00 and over	6	5	5	4	3	9	9	8	6	5
Average price per square foot	48.15	48.60	44.30	42.10	41.60	(X)	(X)	(X)	(X)	(X)
Median price per square foot	45.00	44.50	41.00	38.70	38.90	(X)	(X)	(X)	(X)	(X)
Northeast	25	25	27	31	32	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	15	15	15	19	21	100	100	100	100	100
With price per square foot:										
Under \$35.00	1	2	2	2	3	8	11	14	12	14
\$35.00 to \$39.99	1	1	2	1	3	4	6	11	6	12
\$40.00 to \$44.99	1	2	2	3	3	4	12	11	14	12
\$45.00 to \$49.99	1	2	1	2	2	7	11	10	10	10
\$50.00 to \$54.99	2	2	2	3	2	11	13	14	14	10
\$55.00 to \$59.99	2	2	1	2	2	15	12	9	8	8
\$60.00 to \$64.99	1	1	1	1	2	9	10	6	7	9
\$65.00 to \$69.99	1	1	1	1	1	7	5	7	4	5
\$70.00 and over	5	3	3	5	4	34	20	17	25	18
Average price per square foot	67.25	60.20	56.75	59.50	54.65	(X)	(X)	(X)	(X)	(X)
Median price per square foot	60.20	54.00	51.30	52.55	51.45	(X)	(X)	(X)	(X)	(X)
Midwest	53	45	45	47	45	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	43	36	37	37	37	100	100	100	100	100
With price per square foot:										
Under \$35.00	8	7	9	9	9	18	19	23	23	24
\$35.00 to \$39.99	4	4	4	6	5	10	10	10	15	13
\$40.00 to \$44.99	4	5	5	4	6	9	13	13	12	16
\$45.00 to \$49.99	5	5	4	5	5	12	14	12	13	13
\$50.00 to \$54.99	5	4	4	4	3	11	11	12	12	9
\$55.00 to \$59.99	6	3	3	3	3	14	8	7	9	8
\$60.00 to \$64.99	3	2	2	2	2	7	6	6	7	6
\$65.00 to \$69.99	3	2	2	1	2	6	5	6	3	4
\$70.00 and over	6	5	4	3	2	14	13	10	7	6
Average price per square foot	53.75	52.25	49.05	47.60	45.50	(X)	(X)	(X)	(X)	(X)
Median price per square foot	50.05	47.80	47.15	45.15	43.35	(X)	(X)	(X)	(X)	(X)

See footnotes at end of table.

Table 26. Price Per Square Foot of Floor Area, by Location: 1986 to 1990—Con.

[Contract price excludes value of improved lot. Components may not add to totals because of rounding. Averages, medians, and percents computed from unrounded figures]

Price per square foot, and location	Number of houses (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
South	88	91	95	101	98	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	71	71	74	77	77	100	100	100	100	100
With price per square foot:										
Under \$35.00	19	18	21	26	29	27	25	28	34	37
\$35.00 to \$39.99	10	10	11	13	12	14	14	15	17	15
\$40.00 to \$44.99	9	10	10	10	9	13	14	13	13	12
\$45.00 to \$49.99	8	8	9	7	9	12	11	13	10	12
\$50.00 to \$54.99	6	7	7	6	7	9	9	9	8	10
\$55.00 to \$59.99	6	6	5	5	4	8	8	7	7	5
\$60.00 to \$64.99	4	4	4	3	2	5	5	5	4	3
\$65.00 to \$69.99	3	3	2	2	1	4	4	3	3	2
\$70.00 and over	6	6	6	4	4	9	8	7	5	5
Average price per square foot	49.30	48.60	46.70	44.35	43.05	(X)	(X)	(X)	(X)	(X)
Median price per square foot	43.70	43.55	42.30	39.70	39.00	(X)	(X)	(X)	(X)	(X)
West	30	32	30	29	29	(X)	(X)	(X)	(X)	(X)
Houses reporting contract price per square foot	23	24	23	22	24	100	100	100	100	100
With price per square foot:										
Under \$35.00	2	3	3	4	4	8	11	15	18	18
\$35.00 to \$39.99	1	3	3	3	3	6	12	11	13	14
\$40.00 to \$44.99	2	2	4	4	4	8	10	18	17	17
\$45.00 to \$49.99	2	3	3	3	3	10	12	12	13	11
\$50.00 to \$54.99	4	4	2	2	4	17	15	10	9	15
\$55.00 to \$59.99	2	2	1	2	2	10	9	6	9	9
\$60.00 to \$64.99	2	2	2	1	2	10	9	7	6	7
\$65.00 to \$69.99	1	2	1	1	1	6	7	3	5	2
\$70.00 and over	5	4	4	2	2	23	15	19	11	7
Average price per square foot	66.75	57.60	55.80	53.25	48.85	(X)	(X)	(X)	(X)	(X)
Median price per square foot	54.95	50.70	46.55	45.85	45.35	(X)	(X)	(X)	(X)	(X)

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable. Z Fewer than 500 units or less than 0.5 percent.

Table 27. Selected Characteristics, by Type of Mobile Home and Region: 1986 to 1990

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Type of mobile home, region, and characteristic	Number of new mobile homes (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
ALL MOBILE HOMES¹										
United States	195	203	224	239	256	100	100	100	100	100
Location:										
Inside mobile home communities	80	90	95	105	114	41	44	42	44	45
Outside mobile home communities	115	113	129	134	142	59	56	58	56	55
Number of bedrooms:										
2 or less	69	75	86	100	115	35	37	38	42	45
3 or more	127	127	138	140	142	65	63	62	58	55
Central air-conditioning:										
Installed	104	100	108	116	123	53	49	48	49	46
Not installed	91	103	116	123	134	47	51	52	51	52
Foundation:										
Concrete pads	22	26	27	28	23	11	13	12	12	9
Blocks	140	135	158	175	199	71	67	70	73	78
Masonry	17	19	18	15	14	9	9	8	6	5
Other ²	16	22	21	21	20	8	11	9	9	8
Northeast	19	20	23	24	21	100	100	100	100	100
Location:										
Inside mobile home communities	9	10	12	12	12	49	51	53	52	54
Outside mobile home communities	10	10	11	11	10	51	49	47	48	46
Number of bedrooms:										
2 or less	7	8	9	10	10	35	39	38	42	47
3 or more	12	12	14	14	11	65	61	62	58	53
Central air-conditioning:										
Installed	3	3	4	3	3	16	15	18	14	16
Not installed	16	17	19	20	18	84	85	82	86	84
Foundation:										
Concrete pads	4	5	5	5	4	22	24	22	19	17
Blocks	11	11	13	14	14	57	55	55	61	67
Masonry	2	2	2	2	2	12	10	10	9	8
Other ²	2	2	3	3	2	9	11	12	11	7
Midwest	38	39	39	40	37	100	100	100	100	100
Location:										
Inside mobile home communities	20	22	22	21	22	52	55	57	52	58
Outside mobile home communities	18	18	17	19	15	48	45	43	48	42
Number of bedrooms:										
2 or less	11	13	14	16	16	29	34	36	39	43
3 or more	27	26	25	24	21	71	66	64	61	57
Central air-conditioning:										
Installed	18	16	16	15	14	48	41	40	38	39
Not installed	20	23	23	25	23	52	59	60	62	61
Foundation:										
Concrete pads	9	9	9	12	9	23	23	24	29	23
Blocks	20	19	19	19	21	52	48	50	47	58
Masonry	5	6	6	4	3	14	14	16	11	8
Other ²	4	6	4	5	4	10	14	11	13	11
South	108	113	131	145	162	100	100	100	100	100
Location:										
Inside mobile home communities	36	42	45	56	63	33	37	34	39	39
Outside mobile home communities	73	71	86	89	100	67	63	66	61	61
Number of bedrooms:										
2 or less	41	44	52	62	74	38	39	40	43	45
3 or more	68	69	79	84	89	62	61	60	57	55
Central air-conditioning:										
Installed	72	71	78	88	94	66	63	60	60	58
Not installed	36	42	53	58	68	34	37	40	40	42
Foundation:										
Concrete pads	6	9	9	8	8	6	8	7	6	5
Blocks	93	91	109	125	141	86	80	83	86	87
Masonry	5	6	6	5	5	5	5	5	3	3
Other ²	4	7	7	7	8	4	7	5	5	5
West	31	31	32	30	35	100	100	100	100	100
Location:										
Inside mobile home communities	15	16	16	16	19	50	53	51	52	53
Outside mobile home communities	15	14	16	14	17	50	47	49	48	47
Number of bedrooms:										
2 or less	10	10	11	12	15	34	33	35	40	42
3 or more	20	21	21	18	20	66	67	65	60	58
Central air-conditioning:										
Installed	11	10	10	10	11	37	33	33	34	30
Not installed	19	20	21	20	25	63	67	67	66	70
Foundation:										
Concrete pads	3	3	4	3	3	10	11	13	11	9
Blocks	16	14	17	17	22	53	47	53	56	61
Masonry	5	5	4	4	4	15	18	12	13	11
Other ²	7	7	7	6	7	23	24	22	20	19

See footnotes at end of table.

Table 27. Selected Characteristics, by Type of Mobile Home and Region: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Type of mobile home, region, and characteristic	Number of new mobile homes (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
SINGLE-WIDE MOBILE HOMES										
United States	104	107	128	148	165	100	100	100	100	100
Location:										
Inside mobile home communities	48	53	61	72	80	46	50	48	48	49
Outside mobile home communities	56	54	67	77	85	54	50	52	52	51
Number of bedrooms:										
2 or less	52	58	68	81	95	50	54	53	55	58
3 or more	52	50	61	68	70	50	46	47	45	42
Central air-conditioning:										
Installed	52	47	55	66	74	50	44	43	44	45
Not installed	52	61	73	83	91	50	56	57	56	55
Foundation:										
Concrete pads	11	12	15	16	14	11	11	12	11	9
Blocks	85	83	103	120	139	82	78	80	81	84
Masonry	2	2	2	2	2	2	2	2	1	1
Other ²	6	9	9	11	10	6	9	7	7	6
Northeast	12	12	15	17	15	100	100	100	100	100
Location:										
Inside mobile home communities	7	7	9	9	9	60	58	58	57	60
Outside mobile home communities	5	5	6	7	6	40	42	42	43	40
Number of bedrooms:										
2 or less	6	7	7	9	9	48	54	47	53	56
3 or more	6	6	8	8	7	52	46	53	47	44
Central air-conditioning:										
Installed	2	2	2	2	2	14	13	13	11	13
Not installed	10	11	13	15	13	86	87	87	89	87
Foundation:										
Concrete pads	2	2	2	2	2	16	19	16	13	13
Blocks	9	9	10	12	12	71	71	69	75	79
Masonry	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
Other ²	1	1	2	2	1	9	8	12	10	6
Midwest	23	24	26	28	28	100	100	100	100	100
Location:										
Inside mobile home communities	15	16	18	17	19	64	67	69	62	67
Outside mobile home communities	8	8	8	11	9	36	33	31	38	33
Number of bedrooms:										
2 or less	10	12	13	15	15	42	50	52	53	54
3 or more	13	12	12	13	13	58	50	48	47	46
Central air-conditioning:										
Installed	11	9	10	10	11	47	37	38	36	38
Not installed	12	15	16	18	17	53	63	62	64	62
Foundation:										
Concrete pads	6	6	7	9	7	26	23	27	32	24
Blocks	14	14	15	16	18	62	59	60	54	64
Masonry	(Z)	1	1	(Z)	(Z)	(S)	3	3	(S)	(S)
Other ²	2	4	3	4	3	10	15	11	13	10
South	63	65	81	95	110	100	100	100	100	100
Location:										
Inside mobile home communities	23	26	30	39	45	36	40	38	41	41
Outside mobile home communities	40	39	50	55	64	64	60	62	59	59
Number of bedrooms:										
2 or less	33	35	43	51	64	53	54	53	54	58
3 or more	30	30	38	43	46	47	46	47	46	42
Central air-conditioning:										
Installed	38	35	41	51	58	60	54	51	57	53
Not installed	25	30	39	44	51	40	46	49	46	47
Foundation:										
Concrete pads	3	4	5	4	4	4	6	6	4	4
Blocks	58	56	72	86	100	92	87	89	91	92
Masonry	1	1	1	1	1	2	1	1	1	1
Other ²	2	3	3	4	4	3	5	4	4	3
West	6	6	7	10	12	100	100	100	100	100
Location:										
Inside mobile home communities	3	4	4	6	7	53	65	60	61	59
Outside mobile home communities	3	2	3	4	5	48	35	40	39	41
Number of bedrooms:										
2 or less	4	4	4	6	8	63	59	60	63	62
3 or more	2	3	3	4	5	37	41	40	37	38
Central air-conditioning:										
Installed	2	1	2	3	4	31	21	26	32	28
Not installed	4	5	5	7	9	69	79	74	68	72
Foundation:										
Concrete pads	(Z)	1	1	1	1	(S)	9	10	7	7
Blocks	4	4	5	7	9	74	61	74	69	70
Masonry	(Z)	(Z)	(S)	(Z)	1	(S)	(S)	(S)	(S)	6
Other ²	1	1	1	2	2	18	23	14	21	17

See footnotes at end of table.

Table 27. Selected Characteristics, by Type of Mobile Home and Region: 1986 to 1990—Con.

[Components may not add to totals because of rounding. Percents computed from unrounded figures]

Type of mobile home, region, and characteristic	Number of new mobile homes (thousands)					Percent distribution				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
DOUBLE-WIDE MOBILE HOMES										
United States	89	94	94	89	90	100	100	100	100	100
Location:										
Inside mobile home communities	31	36	33	33	33	35	38	35	37	37
Outside mobile home communities	58	58	61	57	56	65	62	65	63	63
Number of bedrooms:										
2 or less	16	17	18	18	19	18	19	19	20	21
3 or more	73	76	76	71	71	82	81	81	80	79
Central air-conditioning:										
Installed	51	52	52	50	48	57	56	55	56	53
Not installed	39	41	42	40	42	43	44	45	44	47
Foundation:										
Concrete pads	11	14	12	12	9	12	14	13	13	10
Blocks	54	51	55	54	59	60	55	58	61	66
Masonry	15	16	16	13	11	17	18	17	15	12
Other ²	10	13	12	10	10	11	13	12	11	11
Northeast	7	8	8	7	6	100	100	100	100	100
Location:										
Inside mobile home communities	2	3	3	3	2	29	40	42	41	41
Outside mobile home communities	5	5	5	4	4	71	60	58	59	59
Number of bedrooms:										
2 or less	1	1	1	1	1	12	17	19	17	22
3 or more	6	6	6	6	5	88	83	81	83	78
Central air-conditioning:										
Installed	1	1	2	1	1	20	18	27	21	25
Not installed	5	6	6	5	4	80	82	73	79	75
Foundation:										
Concrete pads	2	3	3	2	2	33	34	32	36	28
Blocks	2	2	2	2	2	30	30	28	26	36
Masonry	2	2	2	2	1	27	22	25	24	25
Other ²	1	1	1	1	1	10	15	14	14	10
Midwest	15	15	13	12	10	100	100	100	100	100
Location:										
Inside mobile home communities	5	6	4	4	3	34	37	33	29	33
Outside mobile home communities	10	10	9	9	6	66	63	67	71	67
Number of bedrooms:										
2 or less	1	1	1	1	1	8	8	8	9	11
3 or more	13	14	12	11	9	92	92	91	91	89
Central air-conditioning:										
Installed	7	7	6	5	4	49	48	44	42	40
Not installed	8	8	7	7	6	51	52	56	58	60
Foundation:										
Concrete pads	3	3	2	3	2	19	23	18	22	19
Blocks	6	5	4	4	4	37	31	31	32	40
Masonry	5	5	5	4	3	34	33	39	33	27
Other ²	1	2	2	2	1	10	13	12	13	14
South	45	48	50	51	52	100	100	100	100	100
Location:										
Inside mobile home communities	13	16	14	17	17	29	33	28	33	33
Outside mobile home communities	32	32	36	34	35	71	67	72	67	67
Number of bedrooms:										
2 or less	8	9	9	10	10	17	19	18	20	18
3 or more	37	39	41	40	43	83	81	82	80	82
Central air-conditioning:										
Installed	33	36	36	36	36	75	74	73	72	68
Not installed	11	12	14	14	17	25	26	27	28	32
Foundation:										
Concrete pads	4	5	4	4	4	8	10	8	8	7
Blocks	35	34	37	38	41	78	71	75	76	78
Masonry	4	5	5	4	4	9	11	11	9	8
Other ²	2	4	3	4	4	5	8	6	7	7
West	23	23	23	19	22	100	100	100	100	100
Location:										
Inside mobile home communities	12	11	11	9	11	50	49	47	48	48
Outside mobile home communities	12	12	12	10	11	50	51	52	52	52
Number of bedrooms:										
2 or less	6	6	6	6	7	27	25	26	28	31
3 or more	17	17	17	14	15	73	75	74	72	69
Central air-conditioning:										
Installed	9	8	8	7	6	38	36	34	34	30
Not installed	14	15	15	13	15	62	64	66	66	70
Foundation:										
Concrete pads	3	3	3	2	2	11	12	14	12	10
Blocks	11	10	11	10	13	48	45	48	52	57
Masonry	4	5	3	3	3	18	20	14	17	13
Other ²	5	5	7	4	4	23	23	25	19	19

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. Z Fewer than 500 units or less than 0.5 percent.

¹Includes mobile homes with more than two sections.²Includes steel piers, no foundation, etc.

Table 28. **Average and Median Square Feet of Floor Area, by Type of Mobile Home and Region: 1986 to 1990**

[Averages and medians computed from unrounded figures]

Type of mobile home and region	Average square feet					Median square feet				
	1990	1989 ^r	1988	1987	1986	1990	1989 ^r	1988	1987	1986
ALL MOBILE HOMES¹										
United States	1 205	1 195	1 175	1 140	1 110	1 120	1 120	1 065	1 045	1 035
Northeast	1 140	1 145	1 125	1 090	1 065	1 005	1 010	1 035	1 025	1 020
Midwest	1 210	1 200	1 170	1 145	1 100	1 120	1 120	1 050	1 040	1 025
South	1 170	1 150	1 135	1 115	1 080	1 060	1 060	1 045	1 040	1 025
West	1 360	1 375	1 365	1 300	1 265	1 340	1 345	1 320	1 275	1 230
SINGLE-WIDE MOBILE HOMES										
United States	980	970	970	965	945	980	980	1 000	1 000	990
Northeast	980	975	965	960	955	985	985	1 010	1 010	1 005
Midwest	1 030	1 010	1 000	990	980	985	985	1 015	1 015	1 005
South	970	950	960	955	935	980	980	995	995	985
West	905	965	965	945	940	920	925	950	940	950
DOUBLE-WIDE MOBILE HOMES										
United States	1 440	1 435	1 435	1 420	1 395	1 455	1 455	1 450	1 435	1 375
Northeast	1 425	1 410	1 420	1 400	1 365	1 445	1 350	1 425	1 345	1 290
Midwest	1 485	1 495	1 490	1 485	1 440	1 460	1 510	1 510	1 510	1 445
South	1 430	1 415	1 415	1 405	1 380	1 445	1 445	1 435	1 415	1 385
West	1 435	1 450	1 455	1 425	1 410	1 445	1 455	1 450	1 430	1 345

^rRevised.

¹Includes mobile homes with more than two sections.

Table 29. **Average and Median Sales Price, by Type of Mobile Home and Region: 1986 to 1990**




[Averages and medians computed from unrounded figures]

Type of mobile home and region	Average sales price					Median sales price				
	1990	1989 ^r	1988	1987	1986	1990	1989 ^r	1988	1987	1986
ALL MOBILE HOMES¹										
United States	27 800	27 200	25 100	23 700	22 400	24 400	24 000	22 200	21 100	19 900
Northeast	30 000	30 200	27 000	25 600	24 400	27 500	28 000	25 600	24 200	23 300
Midwest	27 000	26 700	24 600	23 700	21 800	24 500	24 100	22 900	22 000	20 100
South	24 500	24 100	22 700	21 900	20 700	21 000	20 400	19 700	19 300	18 500
West	39 300	37 800	33 900	31 000	29 900	37 000	35 600	32 800	30 100	28 000
SINGLE-WIDE MOBILE HOMES										
United States	19 800	19 600	18 600	18 400	17 800	18 800	18 600	18 100	17 800	17 200
Northeast	24 500	24 200	22 100	21 200	20 900	24 000	23 400	21 900	21 200	20 900
Midwest	20 900	20 900	19 600	19 400	18 600	20 900	20 100	19 600	18 800	18 000
South	18 300	17 900	17 300	17 400	16 800	17 500	17 000	17 000	16 800	16 500
West	22 000	22 300	21 500	20 500	20 400	22 000	21 600	21 600	19 900	19 600
DOUBLE-WIDE MOBILE HOMES										
United States	36 600	35 700	33 600	32 400	30 800	35 000	34 400	32 700	31 500	29 500
Northeast	40 300	39 900	36 900	36 500	33 700	39 600	38 200	36 700	34 700	32 600
Midwest	36 400	35 600	34 000	33 300	31 100	35 400	35 500	34 100	33 000	30 300
South	33 000	32 700	31 700	30 500	29 100	31 100	30 600	30 000	29 100	27 900
West	42 600	40 800	36 500	35 000	34 100	40 000	38 600	35 800	34 700	33 000

^rRevised.

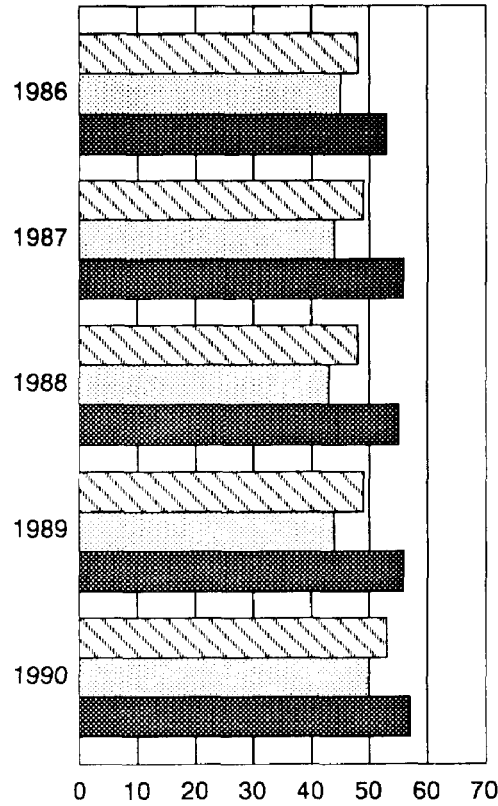
¹Includes mobile homes with more than two sections.

Figure 7.
**Comparison of
 Mobile Homes With
 Selected Characteristics:
 1986 to 1990**

 All mobile homes
 Single wide
 Double wide

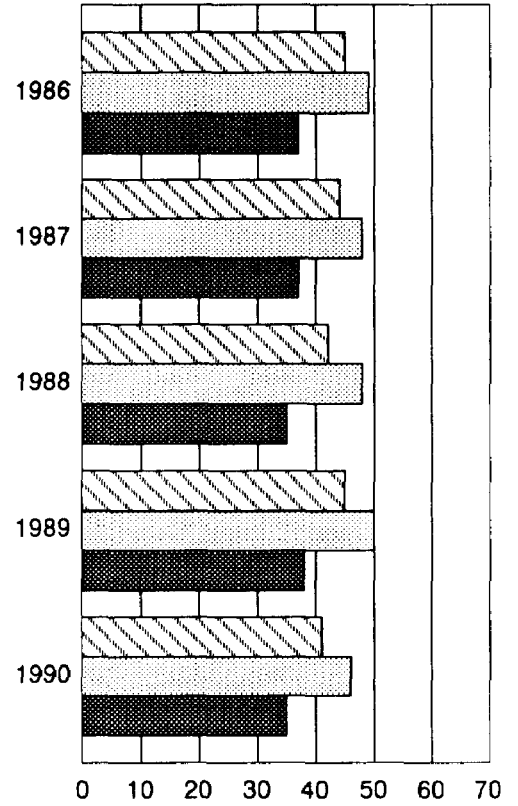
**Mobile Homes Having
 Air-Conditioning**

Percent



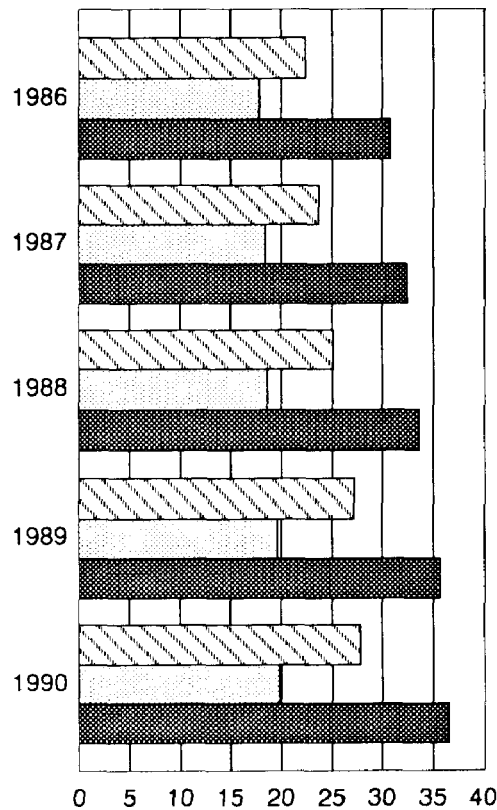
**Mobile Homes Inside
 Communities**

Percent



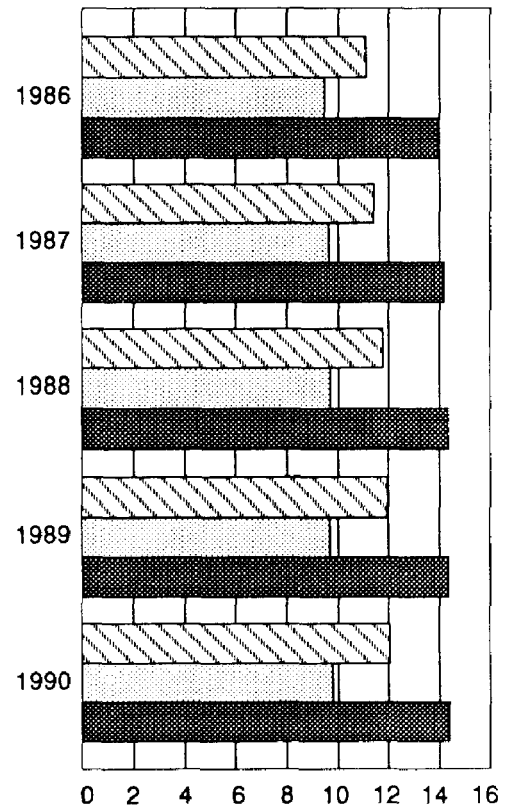
**Average Sales Price of
 Mobile Homes**

In thousands of dollars



**Average Size of
 Mobile Homes**

In hundreds of square feet



Appendix A. Description of Surveys

The statistics in this report are estimates based on sample surveys conducted by the Bureau of the Census, U.S. Department of Commerce, under contract with the U.S. Department of Housing and Urban Development (HUD).

SURVEY OF CONSTRUCTION

This survey is used to produce estimates of new housing units started, completed, or sold. Every month interviewers obtain data from the builders or owners of a sample of new housing units for which permits have been issued or, in nonpermit areas, on which construction has started. This national sample covers 169 areas consisting of counties and independent cities. Within these areas interviewers sample building permits issued monthly in approximately 840 areas requiring them. They select permits for 1-to-4-unit buildings with probability proportional to the number of units on the permit so that overall 1 in 40 units is selected. All permits for 5-or-more-unit buildings are selected. Within the 169 areas there are land areas not requiring the issuance of building permits, called nonpermit areas. These areas were grouped into 2 strata according to their 1980 populations. Overall, 1 of every 120 land areas from the strata with larger land areas was selected; 1 out of every 600 was selected from the strata of smaller land areas. This selection produced a sample of approximately 180 land areas which interviewers canvass for all new housing units started. Each sampled building is followed through until completion and, if applicable, sale. The statistics from this survey are based upon data received by the end of March 1991. We estimate that about 1 percent of all activity occurring in 1990 still had not been reported by this time. Imputations are made to cover this small amount.

MOBILE HOME PLACEMENTS

Each month the National Conference of States on Building Codes and Standards (NCSBCS) provides the Census Bureau with lists of new mobile home shipments. NCSBCS works as an agent for HUD ensuring that newly constructed mobile homes meet HUD standards. The lists identify the mobile homes produced and the dealers to whom the units are shipped. From these lists, a random sample is selected at an overall rate of 1 of every 40 units shipped. The dealers receiving the selected units are then

contacted by telephone and asked about the status of each selected unit. We continue this procedure for each selected unit until it is placed.

ADJUSTMENT FOR NONREPORTING

Most statistics have been adjusted to eliminate nonreporting. Cases for which a characteristic was not reported have been distributed proportionally to those for which the characteristic was reported. For example, assume that 80 percent of the units represented by cases reporting on the characteristic "air-conditioning" indicate it is installed. Then, 80 percent of the units covered by cases for which the air-conditioning characteristic was not reported will be counted as having it installed. This is done only when the percentage of cases reporting a given characteristic is at a statistically acceptable level. For this report that level is 75 percent reporting. In most instances, if this level is not attained the statistics are suppressed. For all other cases, the tables have been marked to warn of the potential weaknesses of the estimates.

RELIABILITY OF DATA

Since the statistics are estimates based on sample surveys, they may differ from statistics obtained from a complete census using the same forms and procedures. Estimates based on sample surveys are subject to both sampling and nonsampling error. The accuracy of an estimate is determined by the joint effects of these errors.

Measures of Sampling Errors

Sampling errors reflect the fact that only a particular sample was surveyed rather than the entire population. The sample selected for this survey is one of a large number of similar probability samples that, by chance, might have been selected using the same specifications. Estimates derived from the different samples would differ from one another. The standard error, or sampling error, of a survey estimate is a measure of the variation among the estimates from all possible samples and, thus, is a measure of the precision with which an estimate from a particular sample approximates the average from all possible samples.

Estimates of the standard errors covering the period 1986 through 1990 have been computed from the 1988 through 1990 sample data for selected statistics in this

report. They are presented in Tables A-1 through A-5. The estimates in tables A-4 and A-5 are expressed in the form of relative standard errors. Table A-6 shows relative standard errors for characteristics of mobile home placements in 1990. The relative standard error equals the standard error divided by the estimated value to which it refers.

The sample estimate and an estimate of its standard error allow us to construct interval estimates with prescribed confidence that the interval includes the average result of all possible samples with the same size and design. A 90-percent confidence interval is defined as being from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate. If all possible samples were selected and surveyed under essentially the same conditions and all the respective 90-percent confidence intervals were generated, then approximately nine-tenths of the intervals would include the average value of all sample estimates and approximately one-tenth would not. For example, table 1 of this report shows that an estimated 594,000 one-family houses built for sale were completed in 1990. The standard error of this estimate interpolated from Table A-1 is 12,400. To obtain a 90 percent confidence interval, multiply 12,400 by 1.6 and add or subtract the result from 594,000. This yields limits of 574,160 and 613,840. The average estimate of one-family houses completed and built for sale may or may not be contained in this computed interval, but one can say that the average is included in the constructed interval with a specified confidence of 90 percent.

To economically derive estimates of applicable standard errors for a wide variety of items found in this report we made certain approximations. As a result, the relative standard errors shown in tables A-4 through A-6 provide orders of magnitude rather than precise values. Tables A-1 through A-3 show a generalized formula for computing the standard errors as well as providing these errors based on orders of magnitude.

Nonsampling Errors

As calculated for this report the standard error measures certain nonsampling errors, but does not measure any systematic biases in the data. Bias is the difference, averaged over all possible samples with the same size and design, between the estimates and the true value being estimated. Nonsampling errors can be attributed to many sources:

1. inability to obtain information about all cases in the sample,
2. definitional problems,
3. differences in interpretations of questions,
4. inability or unwillingness of respondents to provide correct answers, and
5. errors made in processing data.

These nonsampling errors also occur in complete censuses. Although no direct measurements of the biases

have been obtained, it is believed that most of the important response and operational errors were detected while reviewing the data for reasonableness and consistency.

The overall nonresponse rate for questions asked for this survey is very low. Practically everyone asked responded to the questionnaires shown in appendix C. However, nonresponse to individual items varied. For the physical characteristics, such as the number of bathrooms or bedrooms, the nonresponse rate is between 1 and 10 percent. Items with higher nonresponse rates are those related to the sales price of new houses sold or to the contract price of contractor-built houses.

ILLUSTRATED USES OF STANDARD ERRORS TABLES

Table 17 shows that the estimate of the number of new houses sold in the South region with a sales price between \$70,000 and \$79,999 is 28,000. Using the generalized formula ($SE = 16 \sqrt{\text{est.}}$) given in table A-1, one can compute the value of the standard error for 28,000 by replacing "est." with the estimate, to obtain a standard error of 2,678. To obtain a 90-percent confidence interval multiply 2,678 by 1.6, which produces a result of 4,285. Add or subtract that result from 28,000 yielding limits of 23,715 and 32,285 houses.

The estimate of the proportion of houses sold in the South region (225,000 total) with a sales price between \$70,000 and \$79,999 is 12 percent. Using the generalized formula ($SE = 16\sqrt{(p \times q)/y}$) shown in table A-2, one can compute the standard error. The value of "p" is 12 percent. The value of "q" is defined as 100 - p, or 88 percent. The value of "y" is the base, 225,000. Thus, the standard error of 12 percent with a base of 225,000 houses is 1.1 percentage points. This means that a 90-percent confidence interval for 12 percent would be between 10.2 and 13.8 percent (12 percent plus or minus 1.8, which is 1.1 x 1.6).

Table 17 also shows that the median sales price of new houses sold during 1990 in the South region was \$99,000. Table A-4 shows that the relative standard error of the estimate is 3 percent. Multiplying \$99,000 by 0.03, we obtain \$2,970 as the standard error. A 90-percent confidence interval for \$99,000 would be between \$94,248 and \$103,752.

Table 15 shows that 17,000 of the buildings with two units or more completed in the United States in 1990 had electricity for heating fuel. Table A-5 shows that the relative standard error of the estimate is 5 percent. Multiplying 17,000 by 0.05, we obtain 850 as the standard error. A 90 percent confidence interval for 17,000 would be between 15,640 and 18,360.

Table 29 shows that the average sales price for all mobile home placements in the South region was \$24,500. Table A-6 shows that the relative standard error of the estimate is 1 percent. Multiplying \$24,500 by 0.01 yields a standard error of \$245. Producing a 90 percent confidence interval would give limits of \$24,108 and \$24,892.

Table A-1. Average Standard Errors for Estimates of New One-Family Houses

Estimated number	Standard error		Estimated number	Standard error	
	Sold, for sale, and completed SE = $16\sqrt{\text{est.M}}$	Contractor-built, owner-built SE = $17\sqrt{\text{est.M}}$		Sold, for sale, and completed SE = $16\sqrt{\text{est.M}}$	Contractor-built, owner-built SE = $17\sqrt{\text{est.M}}$
5,000	1,125	1,200	200,000	7,150	7,600
10,000	1,600	1,700	300,000	8,775	9,300
20,000	2,250	2,400	350,000	9,475	(X)
25,000	2,525	2,700	400,000	10,125	(X)
50,000	3,575	3,800	600,000	12,400	(X)
75,000	4,375	4,700	800,000	14,300	(X)
100,000	5,050	5,400	1,000,000	16,000	(X)
150,000	6,200	6,600	1,200,000	17,525	(X)

est. = Estimate for a given characteristic. SE = Standard error. X Not applicable.

Table A-2. Average Standard Errors of Estimated Percentages for New Houses Completed, Sold, and For Sale

$$SE_m = 16\sqrt{\frac{p \times q}{y}}$$

Estimated percentages (p or q)	Number of houses in base of percentage ^(y)									
	5,000	10,000	20,000	50,000	100,000	200,000	400,000	600,000	800,000	1,000,000
5 or 95	4.9	3.5	2.5	1.6	1.1	0.8	0.6	0.5	0.4	0.3
10 or 90	6.8	4.8	3.4	2.1	1.5	1.1	0.8	0.6	0.5	0.5
20 or 80	9.1	6.4	4.5	2.9	2.0	1.4	1.0	0.8	0.7	0.6
25 or 75	9.8	6.9	4.9	3.1	2.2	1.5	1.1	0.9	0.8	0.7
40 or 60	11.1	7.8	5.5	3.5	2.5	1.8	1.2	1.0	0.9	0.8
50 or 50	11.3	8.0	5.7	3.6	2.5	1.8	1.3	1.0	0.9	0.8

p = Percent distribution. q = 100-p. SE = Standard error. y = Base for a given characteristic.

Table A-3. Average Standard Errors of Estimated Percentages for New Contractor-Built and Owner-Built Houses

$$SE_m = 17\sqrt{\frac{p \times q}{y}}$$

Estimated percentages (p or q)	Number of houses in base of percentage ^(y)					
	5,000	10,000	50,000	100,000	150,000	200,000
5 or 95	5.2	3.7	1.7	1.2	1.0	0.8
10 or 90	7.2	5.1	2.3	1.6	1.3	1.1
20 or 80	9.6	6.8	3.0	2.2	1.8	1.5
25 or 75	10.4	7.4	3.3	2.3	1.9	1.6
40 or 60	11.8	8.3	3.7	2.6	2.2	1.9
50 or 50	12.0	8.5	3.8	2.7	2.2	1.9

p = Percent distribution. q = 100-p. SE = Standard error. y = Base for a given characteristic.

Table A-4. Average Relative Standard Errors for Selected Averages and Medians of New One-Family Houses

Characteristics	Average							Median						
	United States	Inside MSA's ¹	Out-side MSA's ¹	North-east	Mid-west	South	West	United States	Inside MSA's ¹	Out-side MSA's ¹	North-east	Mid-west	South	West
Square feet of floor area in—														
All new houses sold. . .	1	1	2	3	3	1	2	1	1	2	4	3	2	2
All new houses completed.	1	1	3	4	4	2	2	1	1	4	6	4	2	2
Houses built for sale completed.	1	2	4	6	5	2	2	1	1	3	5	4	2	2
Contractor-built houses completed.	2	2	4	4	4	3	5	3	4	5	8	5	4	7
Owner-built houses completed.	2	2	4	5	4	3	5	3	4	4	9	5	5	8
Price of—														
All new houses sold. . .	2	2	6	7	5	2	3	2	2	5	5	5	3	3
Contractor-built houses started.	3	3	6	6	5	5	5	4	6	5	10	6	5	10
Price per square foot of floor area of—														
All new houses sold. . .	1	1	3	3	3	1	3	2	2	4	5	4	3	4
Contractor-built houses started.	1	1	2	3	2	2	3	2	2	3	4	3	2	4

¹Metropolitan statistical area.

Table A-5. Average Relative Standard Errors for Characteristics of Multifamily Housing Completed

Characteristics	Buildings					Housing units				
	United States	Northeast	Midwest	South	West	United States	Northeast	Midwest	South	West
Total	3	7	6	5	5	2	6	4	3	3
Number of floors:										
1 to 3 floors	3	7	7	5	6	2	8	5	3	3
4 floors or more	11	28	26	11	8	8	17	23	10	12
Number of units:										
2 to 4 units	5	9	11	8	13	5	9	11	8	12
5 to 9 units	4	9	9	8	8	4	10	9	8	6
10 to 19 units	4	17	14	6	3	4	19	14	6	3
20 to 29 units	6	26	21	7	8	6	27	21	7	8
30 to 49 units	8	13	21	8	9	9	14	23	9	11
50 or more units	7	17	19	9	10	7	12	19	11	10
Air-conditioning:										
With air-conditioning	4	9	8	6	11	3	7	5	3	8
Without air-conditioning	10	12	19	9	20	10	13	23	9	14
Type of heating fuel:										
Electricity	5	8	16	8	9	4	10	13	5	7
Gas	6	10	8	9	13	5	10	7	12	10
Oil	33	82	19	27	13	19	26	19	30	11
Other	63	11	31	29	110	45	13	72	24	70
Heat pump:										
With a heat pump	6	10	19	11	7	5	13	16	8	6
Without a heat pump	4	8	7	7	7	3	7	4	7	4
Number of bedrooms:										
Efficiencies	(X)	(X)	(X)	(X)	(X)	10	12	26	24	14
1 bedroom	(X)	(X)	(X)	(X)	(X)	4	9	9	7	5
2 bedrooms	(X)	(X)	(X)	(X)	(X)	2	8	5	4	3
3 bedrooms or more	(X)	(X)	(X)	(X)	(X)	6	16	12	8	12
Number of bathrooms:										
1 bathroom	(X)	(X)	(X)	(X)	(X)	4	9	6	7	6
1 1/2 bathrooms	(X)	(X)	(X)	(X)	(X)	9	11	15	17	19
2 bathrooms or more	(X)	(X)	(X)	(X)	(X)	3	15	8	4	5
Average square feet per unit/per building:										
Less than 600 square feet	(X)	(X)	(X)	(X)	(X)	9	26	21	14	15
600 to 799 square feet	(X)	(X)	(X)	(X)	(X)	6	16	17	11	8
800 to 999 square feet	(X)	(X)	(X)	(X)	(X)	4	13	12	7	4
1,000 to 1,199 square feet	(X)	(X)	(X)	(X)	(X)	5	11	12	8	6
1,200 square feet or more	(X)	(X)	(X)	(X)	(X)	7	17	15	8	10
Square feet of floor area:										
Average	(X)	(X)	(X)	(X)	(X)	1	5	2	2	2
Median	(X)	(X)	(X)	(X)	(X)	1	3	2	1	1

X Not applicable.

Table A-6. Relative Standard Errors for Characteristics of New Mobile Home Placements
(Percent)

Characteristics	United States	Northeast	Midwest	South	West
ALL MOBILE HOMES¹					
Average sales price	1	3	2	1	2
Average square feet	(Z)	1	1	1	1
Location					
Inside mobile home communities	2	7	4	3	4
Outside mobile home communities	2	6	4	2	4
Number of Bedrooms					
Two or fewer	2	8	6	3	6
Three or more	1	5	4	2	4
Central Air-Conditioning					
Installed	2	12	5	2	5
Not installed	2	5	4	4	4
Foundation					
Concrete pads	4	9	7	8	10
Blocks	1	6	5	2	4
Masonry	4	11	7	8	7
Other ²	4	15	10	9	6
SINGLE-WIDE MOBILE HOMES					
Average sales price	1	4	2	2	4
Average square feet (Z)	1	1	1	2	
Location					
Inside mobile home communities	3	8	6	5	12
Outside mobile home communities	3	10	8	4	14
Number of Bedrooms					
Two or fewer	3	9	7	4	11
Three or more	3	9	6	4	15
Central Air-Conditioning					
Installed	3	20	7	4	17
Not installed	3	7	6	5	11
Foundation					
Concrete pads	7	16	9	14	35
Blocks	2	7	6	3	11
Masonry	15	31	35	22	70
Other ²	9	21	14	18	22
DOUBLE-WIDE MOBILE HOMES					
Average sales price	1	3	2	1	2
Average square feet (Z)	2	1	1	1	
Location					
Inside mobile home communities	3	11	7	4	5
Outside mobile home communities	2	7	5	3	5
Number of Bedrooms					
Two or fewer	4	16	14	6	6
Three or more	2	6	4	2	4
Central Air-Conditioning					
Installed	2	15	6	3	5
Not installed	2	6	6	5	4
Foundation					
Concrete pads	5	10	9	9	10
Blocks	2	11	7	3	5
Masonry	4	11	7	8	8
Other ²	5	20	13	10	7

Z less than 0.5 percent.

¹Includes mobile homes with more than two sections.²Includes steel piers, no foundation, etc.

Appendix B. Definitions

Appliances in Sales Price— The tabulations on appliances include only the selected appliances (stove, dishwasher, and refrigerator) which are included in the sales price at the time the original agreement is signed or the deposit made. These data include only the appliances that are included in the original agreement; that is, any appliances which are subsequently purchased from the builder and included in the sales price at the time of final settlement are not included in this survey.

Bathroom— For the purposes of this survey, a full bathroom is one that has a wash basin, a toilet, and either a bathtub or shower, or a combination of bathtub and shower. A half bathroom is one that has either a toilet, bathtub, or shower, but not all the facilities to be classified as a full bathroom. If the respondent reported a full bathroom and two half bathrooms, the house is classified as a two-bathroom house.

Bedroom— A bedroom is a finished room specifically designed to be used for sleeping. A den, a space in the attic, or a basement which could be converted to a bedroom are not counted as bedrooms.

Closing Costs— The closing costs are the total estimated costs customarily chargeable to the buyer for items which are incidental to the transaction. These costs include the initial service charge of the mortgage, cost of title search, charges for the preparation of deed and mortgage documents, mortgage tax, recording fees, and similar items. For houses sold with FHA-insured mortgages, they include an examination or application fee. Items not included in closing costs are deposits for unaccrued taxes, insurance premiums, and similar items that are treated as prepayable expenses.

Contractor-Built Houses— This category includes all houses built for owner occupancy on owner's land with construction under the supervision of a single general contractor.

Contractor Price— The contract price used in this survey for contractor-built houses is the price on the original contract awarded to the general contractor. The contract price does not reflect any subsequent changes in the price resulting from change orders or from any other factors affecting the price of the house. It does not include the cost of any contracts awarded to a different contractor for

work on the grounds around the house, nor does it include any proposed expenditures on the house after construction is completed by the general contractor. Finally, because the house is being built for the owner's occupancy on his own land, the contract price does not include the cost of the land.

The median contract price is equal to the middle point of all contract prices reported. The point is chosen so that half the contract prices of houses started are below the median and half are above the median. The average, or arithmetic mean, contract price is obtained by dividing the sum of all contract prices by the number of houses reporting contract prices.

Efficiencies— One room apartment units or studio apartment units which have no room designated specifically for sleeping.

Exterior Wall Material— The statistics on exterior wall material relate only to the principal type used; that is, the material covering more than half the exterior wall.

Financing, Type of— The type of financing tabulated in this survey is the type reported at the time the original sales agreement was signed or deposit accepted. However, changes in the type of financing do occur between the original contract signing and final settlement. These changes are not reflected in the tables.

The FHA and VA type-of-financing data presented in this report tend to differ from those published directly by those agencies. For the actual number of FHA-insured and VA-guaranteed loans made for new houses at the time of final settlement, refer to the publications of the respective agencies. The data differ because of the difference in time periods between the signing of the original sales contract, the start of construction, and the insurance or guarantee of the mortgage, as well as the sampling variability in this survey.

Fireplace (indoor)— An indoor fireplace is defined as an open recess in a chimney in which a fire may be built. Included are those made of masonry, tile, metal, or other permanently installed materials that are a fixed and integral part of the building.

Floor Area— For this survey, floor area is defined as all completely finished floor space, including space in basements and attics with finished walls, floors, and ceilings.

In concept, measurement is based on exterior dimensions. Measurements are taken to the outside of exterior walls for detached houses. Half stories are measured to the outside of enclosing partitions. Row houses are measured from the centerline of party walls to the outside surface of the exterior walls. For purposes of this survey, where the floor area for a new house was reported based on interior dimensions, the figure was converted to exterior dimensions by multiplying by a standard conversion factor of 1.08. A standard conversion factor of 1.04 was used to convert figures to exterior dimensions where it was not known whether the reported area was based on exterior or interior dimensions.

Heat Pump— “Heat pump” refers to an electric heating/cooling system which utilizes indoor and outdoor coils, a compressor, and refrigerant to pump hot air in during the winter and out during the summer. Only heat pumps that are centrally installed with ducts to the rooms are included in this category.

Heating System— For purposes of this survey, heating systems are grouped into two built-in categories: (1) central heating systems, including warm-air ducted, hot-water, or steam systems; and (2) built-in heating systems for individual rooms, including electric baseboard, panel or radiant ceiling, floor or wall furnaces, and room or space heaters. A home heated with a portable unit is considered as having no built-in heating system. Electric furnaces are included in central (warm-air ducted) systems.

Housing Unit— A housing unit is defined as a single room or group of rooms intended as separate living quarters by a family, by a group of unrelated persons living together, or by a person living alone. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have direct access from the outside of the building or through a common hall which is used or intended to be used by the occupants of another unit or the general public.

In addition to single-family detached houses, the definition of single-family houses also includes those townhouses attached together in groups of two or more which are partitioned from each other by a ground-to-roof wall. Also, these units must not share heating/air-conditioning systems or interstructural public utilities, such as water supply, power supply, or sewage disposal lines.

Metropolitan Statistical Areas (MSA's)— Data prior to 1986 area are defined by the old Standard Metropolitan Statistical Area (SMSA) definitions. Starting with 1986 data the new MSA definitions, as provided by the Office of Management and Budget (OMB), apply. The general concept underlying the specific MSA or older SMSA definitions is a geographic area consisting of a large population nucleus together with adjacent communities having a high degree of economic and social integration with that nucleus.

For the MSA definitions this meant an area qualified for MSA status by: (1) including a city of at least 50,000 population; or (2) including an urbanized land area of at least 50,000 population with a total metropolitan population of at least 100,000 (75,000 in New England).

Besides the county containing the main city or urbanized area, an MSA may include additional counties having strong economic and social ties to the central county. These ties are determined chiefly by the extent of the urbanized area and by census data on commuting to work. Thus, an MSA can contain more than one city of 50,000 population and may cross State lines.

Mobile Home— A movable dwelling, 8 feet or more wide and 40 feet or more long, designed to be towed on its own chassis. The transportation gear is integral to the dwelling when it leaves the factory. There is no need for a permanent foundation. There are two general types of units.

Single-wide —Is any unit so designated by a dealer. There is only one section and only one HUD label number.

Double-wide—Is any unit so designated by a dealer consisting of more than one section and more than one HUD label number.

New Houses (Built For Sale) Completed— This category includes new houses occupied, or available for occupancy, by the end of the year, which have been sold or are still for sale.

New Houses Sold— The category, “houses sold,” includes all houses for which a sales contract has been signed or a deposit accepted. This includes houses for which a sales contract is signed or deposit accepted before construction is actually started; for instance, houses sold from a model or from plans before any work is started on the footings or foundations. It also includes houses sold while under construction or after completion; that is, houses built on speculation.

Owner-Built Houses— This category includes houses built for owner occupancy, on owner's land, under the supervision of the owner acting as his own general contractor: (1) In most cases built partly by owner and partly with paid help; (2) sometimes built entirely with the employment of subcontractors; and (3) in a smaller number of cases, on a “do-it-yourself” basis.

Regions— The standard census geographic regions are used in the tables of this report. States included in each region are

Northeast—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania;

Midwest—(formerly North Central)—Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas;

South—Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas;

West—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii.

Rental Houses— A house or housing unit used by a person or persons who do not own nor are purchasing the property.

Response Rate— The percentage of respondents answering a survey question. The overall response rate for all new houses covered by this survey is very high. Practically everyone asked responded to the questionnaires shown in appendix C. However, response to individual items varied. For the physical characteristics, such as number of bedrooms or bathrooms, the response rate is within the range of 90 to 99 percent. Items with response rates somewhat lower are those related to the sales price of new houses sold or the contract price of contractor-built houses started.

Sale— The sale of the new house occurs with the signing of a sales contract or the acceptance of a deposit. This survey does not follow through to the final stage of the sales transaction.

Sales Price— The sales price used in this survey is the price agreed upon between purchaser and seller (and reported by the latter) at the time the first sales contract is signed or deposit is made for the house. The sales price does not reflect any subsequent price changes resulting from change orders or from any other factors affecting the price of the house. Furthermore, the sales price does not include the cost of any extras or options paid for in cash by the purchaser or otherwise not included in the original sales price reported by the seller.

The median sales price is the middle point of all sales prices reported; the point is chosen so that half the houses were sold with a sales price below the median and half with

a sales price above the median. The average, or arithmetic mean, sales price is obtained by dividing the sum of all the sales prices reported by the number of houses reporting a sales price.

Stages of Construction— The stages of construction are defined as follows:

Start—A house is defined as started at the time of excavation for the footings or foundation.

Completion—A house is defined as completed when all finished flooring has been installed (or carpeting if used in place of finished flooring). If the building is occupied before all construction is finished, it is classified as completed at the time of occupancy. In privately owned buildings with two or more housing units, all the units in the buildings are counted as completed when 50 percent or more of the units are occupied or available for occupancy. In most of these buildings all units within the building actually become available for occupancy at the same time. In some larger apartment buildings, some floors or some units are completed and occupied before other parts of the building are completed. In these cases, housing units counted as completed prior to completion of the entire building tend to be offset by those housing units in other buildings actually completed during that month but which had been counted as completed previously.

Story— That portion of a building between the floor and the ceiling or roof, or the next floor above in the case of a multistory house. A basement is not counted as a story even if it is finished as a den or recreation room. Houses referred to as “bi-levels” or “split foyers” are classified as two-story houses.

Half story—A story finished as living accommodations located wholly or partly within the roof frame is considered a half story; it is tabulated in this survey as a whole story; for example, one and one-half stories is counted as two.

Split level—Identifies a structure having floors on more than one level when the difference in some floor levels is less than one story. This definition is interpreted on the basis of local custom and may vary from area to area.

Part A — IDENTIFICATION

1. Interviewer's code: _____ 2. Place name: _____ 3. PSU: _____ 4. Place code: _____ 5. Survey date: Month: _____ Year: _____ 6. Schedule No: _____ 7. Permit issued: Month: _____ Day: _____ Year: _____ 8. Building permit number: _____ 9. Permit value: \$ _____ 10. HU's from permit: **1** 11. Non-permit type: Segment Source Both

12a. Serving post office, State, ZIP Code: _____

12b. Name of project (if any): _____

12c. Identification or location of building: Lot _____ Block _____

13. Non permit — Transcribe numbers from a, b, and c to item 6, Schedule number:
a. Segment: _____ b. Cervasa road No. _____ c. Line No. _____ d. Source No. _____ e. Line No. _____

Part B — OWNER AND BUILDER INFORMATION

14a. Builder Owner Both Name: _____ Address (Number and street): _____ City, State, ZIP Code: _____ Telephone No.: _____

b. Person reporting for — Starts Sales Name: _____ Address (Number and street): _____ City, State, ZIP Code: _____ Telephone No.: _____ Call at: _____

14b. Seller: Owner or builder Other Name: _____ Address (Number and street): _____ City, State, ZIP Code: _____ Telephone No.: _____ Call at: _____

c. Dates of interview: _____

Part C — START		Part D — SALE		Part E — PHYSICAL CHARACTERISTICS	
NP ONLY	18a. Is this house on a city-type lot? <input type="checkbox"/> Yes — Skip to 19 <input type="checkbox"/> No	23. Transcribe intent from item 19: <input type="checkbox"/> HOSS — Go to 24 <input type="checkbox"/> ES — Skip to 25a <input type="checkbox"/> EO <input type="checkbox"/> FR — Skip to 27	31a. What is the square foot area of completely finished floor space, including space in basement and attic with finished walls, floors, and ceilings? Square feet: _____		
	b. Is it on a piece of less than 10 acres or 10 acres or more? <input type="checkbox"/> Less than 10 acres or more <input type="checkbox"/> 10 acres or more	24. In what month and year was a deposit taken or sales agreement signed for the house as located? If not sold, enter month of call, and if month of call is the same as or later than 22b, skip to 30. If earlier, end interview. Month: _____ Year: _____	31b. Is this based on interior or exterior dimensions? <input type="checkbox"/> Interior <input type="checkbox"/> Exterior		
	17a. Do you (does the owner) intend to produce and sell any farm products such as vegetables, grain, fruit, livestock, poultry, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No — Skip to 19	25a. What is the sales (contract) price? \$ _____	32. What is the square foot area for acreage of the lot? Square feet: _____		
	b. What do you expect annual sales to be? <input type="checkbox"/> Less than \$50 <input type="checkbox"/> \$50 — \$250 <input type="checkbox"/> \$251 — \$999 <input type="checkbox"/> \$1,000 or more	b. Does it include or exclude closing costs? <input type="checkbox"/> Includes <input type="checkbox"/> Excludes	33. How many of the following are in the house? a. Bedrooms: _____ b. Bathrooms: _____ c. Stories — Enter M if split level: _____ d. Indoor built in fireplaces: <input type="checkbox"/> None <input type="checkbox"/> One or more		
	18b. Is this building — 1 — Detached? 2 — Part of a two family side by side? 3 — One of a group of 3 or more attached, row or townhouses? a. Are the units separated by a ground-to-roof unbroken wall? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	c. Of this (these) sales price(s), what is the value of the developed (improved) lot? \$ _____	34. Does the house have a — 1 — Garage for 1 car? <input type="checkbox"/> 2 — Garage for 2 or more cars? <input type="checkbox"/> 3 — Carport? <input type="checkbox"/> 4 — Neither garage nor carport? <input type="checkbox"/>		
	19. Is this house being built — 1 — For sale or has it already been sold? (HOSS) 2 — For owner by a single general contractor? (ES) 3 — Entirely by owner or by owner acting as own general contractor? (EO) 4 — For rent? (FR)	26. Does the sales (contract) price include a — a. Range/oven? <input type="checkbox"/> Yes <input type="checkbox"/> No b. Refrigerator? <input type="checkbox"/> Yes <input type="checkbox"/> No c. Dishwasher? <input type="checkbox"/> Yes <input type="checkbox"/> No	35. Does the house have a — 1 — Full or partial basement? <input type="checkbox"/> 2 — Crawl space? <input type="checkbox"/> 3 — Slab? <input type="checkbox"/> 4 — Other? <input type="checkbox"/> Describe in notes		
	20. What will be the sales price of this building? \$ _____	27. What type of financing was or will be arranged, or will house be paid for entirely with cash? 1 FHA 4 Farmers Home <input type="checkbox"/> 2 VA 5 Pay cash <input type="checkbox"/> 3 Conventional 6 Don't know <input type="checkbox"/> Skip to 30	36. What is the principal exterior wall material? 1 — Wood or wood products 5 — Stucco <input type="checkbox"/> 2 — Brick 6 — Block <input type="checkbox"/> 3 — Asbestos shingle 7 — Other — <input type="checkbox"/> 4 — Aluminum siding Describe in notes		
	21. Is this house part of a condominium project? <input type="checkbox"/> Yes <input type="checkbox"/> No	28. What is the amount of the — a. HOSS cost Downpayment? \$ _____ b. First mortgage? \$ _____	37. What energy source(s) will be used to heat the house? If more than one source will be used, check all applicable and circle principal: 1 — Electricity 4 — Solar <input type="checkbox"/> 2 — Gas 5 — Other — <input type="checkbox"/> 3 — Oil Describe in notes		
	22a. In what month and year was excavation started for the footings or foundation? Month: _____ Year: _____	29. Is there a second mortgage? <input type="checkbox"/> Yes <input type="checkbox"/> No	38. What kind of heating system will the house have? 1 — Warm air furnace with ducts — Refer to 37 <input type="checkbox"/> 2 — Hot water or steam system <input type="checkbox"/> 3 — Electric baseboard, panel, or radiant ceiling <input type="checkbox"/> 4 — Floor or wall furnace without ducts <input type="checkbox"/> 5 — Other room or space heaters <input type="checkbox"/> 6 — Other system — Describe in notes <input type="checkbox"/> 7 — None <input type="checkbox"/> Skip to 40		
	b. If started — In what month and year do you expect to complete the house? Month: _____ Year: _____	Part E — COMPLETION	39. Is the house equipped with a heat pump? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Notes: _____	30. Is this house at location completed? If Yes, enter month and year completed. Month: _____ Year: _____ ←—=Not HOSS 22b.—→	40a. Will the house have central air-conditioning? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Skip to 41			
		b. What energy source will power the air-conditioner? 1 — Electricity 2 — Gas 3 — Other — <input type="checkbox"/> Describe in notes			
		41. What energy source(s) will be used to heat water? If more than one source will be used, check all applicable and circle principal: 1 — Electricity 3 — Oil 5 — Other — <input type="checkbox"/> 2 — Gas 4 — Solar Describe in notes			

Survey of Construction — Single Family

Form **SOC-90DA**
(Rev. 7/77)

SURVEY OF HOUSING STARTS AND COMPLETIONS
(Multi-Unit Buildings)

NOTICE - Your report to the Census Bureau is confidential by law (title 13, U.S. Code). It may be used only by sworn Census employees, and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

SHEET _____ OF _____ SHEETS

Part A - IDENTIFICATION									
1. Interviewer's code	2. Place Name	3. PSU	4. Place code	5. Survey date Month Year	6. Permits issued Month Day Year	7. Readings in LU	8. HU's in LU	9. Non-permit type 1 <input type="checkbox"/> Segment 2 <input type="checkbox"/> Source 3 <input type="checkbox"/> Both	10. Non-permit Segment Can. Rd. No. Line No. Source No. Line No.

Part B - OWNER, BUILDER, RENTALS/SALES AGENT																			
11. Owner - Name Address - Number and street City State ZIP code Telephone Area code Number Extension					12. Builder - Name <input type="checkbox"/> Same as owner Address - Number and street City State ZIP code Telephone Area code Number Extension					13. Rentals/sales agent - Name <input type="checkbox"/> Same as owner <input type="checkbox"/> Same as builder Address - Number and street City State ZIP code Telephone Area code Number Extension					14. Person reporting for - <input type="checkbox"/> Starts <input type="checkbox"/> Rental/sales Call at Dates of interview 15. Person reporting for - <input type="checkbox"/> Starts <input type="checkbox"/> Rental/sales Call at Dates of interview				

Part C - LIST OF BUILDINGS										Part D - PROJECT IDENTIFICATION (To be completed during initial contact)																																																																																									
16. Transcribe from building permits or SOC 921 a. Surviving Post Office, State, ZIP code										17. Identification or location of building										18. Building permit number a. Permits valid (all the buildings)										19. Schedule number When started or completed, circle schedule number in red										20. In what month and year was excavation started for the foundation or foundation of the building at location? If started, enter month and year started. If not started, circle "none of call"										21. How many housing units will be in this building? a. From permit b. Respondent										22. In which month and year do you expect (half of the units to be available for occupancy)?										23. How many floors will be in the building? (Exclude basement unless it contains 2 or more housing units) *Ask for buildings with 3 floors or less										24. Are any of the units attached side-by-side with no other units above or below? a. How many? b. Are these units separated by a ground-to-roof wall with the common heating system or INTERSTITIAL-TURAL public utilities (such as water lines, sewer lines or gas lines)?										33. Is this project based on SOC 907? <input type="checkbox"/> Yes - From SOC 907 enter survey date from col. (1) and schedule number from col. (2), then and interview. Month Year Sch. No. <input type="checkbox"/> No - Ask items 34 and 35 below and if necessary list on SOC 907 instructions.									
25. For the building at location, how many units will have - a. No separate bedrooms? b. One bedroom? c. Two bedrooms? d. Three bedrooms or more? e. One bathroom? f. One and a half bathrooms? g. Two bathrooms or more? The sum of a through g should equal entry in 27b.										26. What is the total square foot area of all floors in this building, excluding unfinished basements, laundry or boiler rooms, garage space, etc.?										27. What kind of air conditioning will there be? 1 - None 2 - Individual room 3 - Unitary, for each unit 4 - Central, for each building										28a. What is the principal energy source used for space heating? 1 - Electricity with a heat pump 2 - Electricity without a heat pump 3 - Gas 4 - Oil 5 - Solar energy 6 - Other - Describe in notes										28b. Will each unit have an individual meter?										29. What energy source will be used to heat water? 1 - Recirculatory 2 - Gas 3 - Oil 4 - Solar energy 5 - Other - Describe in notes										30. Will there be parking spaces in or under the building? 1 - Yes 2 - No										31. Are the units in this building intended - 1 - For rent? 2 - For condominium ownership? 3 - For cooperative ownership? 4 - Duplex only - For sale? 5 - Other?										32. In what month and year were half of the units in the building at location available for occupancy? If less than half available, use the month and year 22.										34. For the buildings just discussed, permits were obtained in a. Were permits taken out before b. For other buildings in this project? c. How many apartments will there be in these buildings? d. Have ALL of these buildings been completed? e. What was the most recent month in which permits were taken out for this project before f. Were permits taken out for additional buildings since g. Are there any plans to take out additional permits? h. How many additional buildings will there be? i. How many apartments will be in these buildings? j. When do you plan to finish did you take out the additional permits?									

Go to Part D

Survey of Construction - Multifamily Buildings

C-2 SURVEY QUESTIONNAIRES

CHARACTERISTICS OF NEW HOUSING

Survey of New Mobile Home Placements

Section I – IDENTIFICATION OF MOBILE HOME										
Label identification information										
Line 1 – Name of manufacturer										
Line 2 – Manufacturer's serial number (first section only)										
Line 3 – HUD inspection number (first section only)										
Line 4 – Type of mobile home										
Section II – CURRENT STATUS OF MOBILE HOME										
1. In what month and year was the mobile home described above received from the manufacturer? (If this mobile home has not been received, please provide the reason in the "Remarks" section and do not complete the remainder of the questions.)	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;">Month</td> <td style="width: 50px; height: 20px;">Year</td> </tr> </table>	Month	Year							
Month	Year									
2. What is the current status of the mobile home? 1 <input type="checkbox"/> On any of your lots and not placed (whether sold or not) – Please complete section IV 2 <input type="checkbox"/> Placed on a site for RESIDENTIAL USE – Enter month and year placed →	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;">Month</td> <td style="width: 50px; height: 20px;">Year</td> </tr> </table>	Month	Year							
Month	Year									
3 <input type="checkbox"/> Placed on a site for nonresidential use – Enter month and year placed →	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;">Month</td> <td style="width: 50px; height: 20px;">Year</td> </tr> </table>	Month	Year							
Month	Year									
4 <input type="checkbox"/> Returned to manufacturer – Enter month and year returned →	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;">Month</td> <td style="width: 50px; height: 20px;">Year</td> </tr> </table>	Month	Year							
Month	Year									
5 <input type="checkbox"/> Shipped to another sales location – Enter month and year shipped →	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;">Month</td> <td style="width: 50px; height: 20px;">Year</td> </tr> </table>	Month	Year							
Month	Year									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="padding: 2px;">Name of sales location</td> </tr> <tr> <td style="width: 60%; padding: 2px;">Number and street name – Box and route number</td> <td colspan="2" style="padding: 2px;">Telephone</td> </tr> <tr> <td style="padding: 2px;">City, town, village, etc.</td> <td style="padding: 2px;">State</td> <td style="padding: 2px;">ZIP Code</td> </tr> </table>	Name of sales location			Number and street name – Box and route number	Telephone		City, town, village, etc.	State	ZIP Code	Do not complete sections III and IV Do not complete sections III and IV Do not complete sections III and IV
Name of sales location										
Number and street name – Box and route number	Telephone									
City, town, village, etc.	State	ZIP Code								
6 <input type="checkbox"/> Boxes 1–5 do not apply – Please explain in the "Remarks" section										
Section III – PLACEMENT INFORMATION ON MOBILE HOME										
1. Was this mobile home sold, placed for sale, or leased? 1 <input type="checkbox"/> Sold – What was the sales price? (Include options and dealer setup. Exclude all taxes and land costs.) \$ _____ .00	2 <input type="checkbox"/> Placed for sale 3 <input type="checkbox"/> Leased									
2. How is this mobile home titled? 1 <input type="checkbox"/> As real estate (property) 2 <input type="checkbox"/> As personal property	3 <input type="checkbox"/> Mobile home is registered (licensed) and NOT titled									
3. At what location was this mobile home placed?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="padding: 2px;">Number and street name – Box and route number – Space and park name</td> </tr> <tr> <td colspan="3" style="padding: 2px;">City, town, village, etc.</td> </tr> <tr> <td style="padding: 2px;">County</td> <td style="padding: 2px;">State</td> <td style="padding: 2px;">ZIP Code</td> </tr> </table>	Number and street name – Box and route number – Space and park name			City, town, village, etc.			County	State	ZIP Code
Number and street name – Box and route number – Space and park name										
City, town, village, etc.										
County	State	ZIP Code								
4. Is this location 1 <input type="checkbox"/> In a mobile home park or court? 2 <input type="checkbox"/> In a subdivision or planned unit development? 3 <input type="checkbox"/> NOT in any of the above?										
5. Was this mobile home placed on 1 <input type="checkbox"/> A permanent masonry foundation? – Skip to section IV 2 <input type="checkbox"/> A concrete pad?	3 <input type="checkbox"/> Blocks but not on a concrete pad? 4 <input type="checkbox"/> Some other way? – Please explain in the "Remarks" section									
6. How is this mobile home secured in place? 1 <input type="checkbox"/> Secured by tie-down straps 2 <input type="checkbox"/> Secured by some other means – Explain in "Remarks" 3 <input type="checkbox"/> NOT secured										
Section IV – CHARACTERISTICS OF MOBILE HOME										
1. What is the length of this mobile home?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; height: 20px;"></td> <td style="width: 20%; text-align: center; font-size: small;">Feet</td> </tr> </table>		Feet							
	Feet									
2. What is the width, including all sections?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; height: 20px;"></td> <td style="width: 20%; text-align: center; font-size: small;">Feet</td> </tr> </table>		Feet							
	Feet									
3. How many bedrooms are in this mobile home?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; height: 20px;"></td> <td style="width: 20%; text-align: center; font-size: small;">Number</td> </tr> </table>		Number							
	Number									
4. Does this mobile home have central air-conditioning?	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No									
Remarks										
PLEASE RETAIN THIS FORM FOR TELEPHONE INTERVIEW – DO NOT MAIL IT BACK										

Supplement: Survey of Market Absorption Selected Characteristics of Apartment Units

This supplement presents preliminary statistics on selected characteristics of apartment units in the Survey of Market Absorption (SOMA). This survey provides data on the rate at which newly completed, privately financed, nonsubsidized, unfurnished apartment units in buildings containing 5 or more units are rented or sold (absorbed).

The buildings selected for SOMA are those included in the Survey of Construction (SOC), which is described in Appendix A. Description of Surveys of this report. Each quarter a sample of buildings with 5 or more housing units in the SOC sample reported as completed during that quarter come into sample for SOMA. Buildings completed in locations not requiring building permits are excluded.

Table S-1 provides preliminary data on the types of apartment units completed during the year 1990. Table S-2 provides preliminary data about unfurnished units for rent. Table S-3 provides preliminary data for unfurnished units being sold under a condominium arrangement. This table excludes units sold under a cooperative ownership arrangement.

These data are preliminary and are subject to revision when published in future issues of Current Housing Reports, series H130, *Market Absorption of Apartments*.

ESTIMATION PROCEDURE

Annual estimates are obtained within each region by summing the four quarterly estimates. Unbiased quarterly estimates are formed by multiplying the counts for each building by its base weight (the inverse of its probability of selection) and then summing over all buildings. The final estimate is then obtained by multiplying the unbiased estimate by the following regional ratio estimate factor:

$$\frac{\text{SOC}}{\text{SOMA}}$$

where SOC is the total estimated units in 5+ unit buildings completed in permit-issuing areas for that quarter and where SOMA is the estimated total number of units in 5+ buildings for that quarter. The United States total is the sum of the regions.

This procedure produces estimates of the units completed in a given quarter which are consistent with the published figures from the Current Construction Reports, Series C22, *Housing Completions*, and also reduces, to some extent, the sampling variability of the estimates totals.

Therefore, the estimates shown in this supplement are not the same as those shown in the other tables of this report because they do not include:

- Units in buildings containing 2 to 4 units.
- Units completed in areas not requiring the issuance of building permits.

RELIABILITY OF ESTIMATES

The SOMA statistics are subject to the same sampling errors and nonsampling errors as described in Reliability of Data in appendix A because SOMA uses subsamples of the SOC samples. Additional errors are also introduced due to subsampling of buildings with 5 units or more.

It is assumed that the characteristics of units not included in the interviewed group or not accounted for are identical to ones for units where data were obtained. The noninterviewed and not accounted for cases constitute less than 2 percent of the sample housing units in the SOMA survey.

ILLUSTRATED USES OF STANDARD ERRORS TABLES

Table S-2 shows that the estimate of the number of unfurnished apartments completed in the Midwest region with an asking rent between \$450 and \$549 was 11,000. Using the generalized standard errors from table S-4, one can calculate the standard error for the estimate of this size to be approximately 1,680. One can also construct a 90 percent confidence interval by multiplying 1,680 by 1.6 to obtain limits of 8,312 and 13,688.

Table S-2 also shows that of the estimated 11,000 unfurnished apartments completed with an asking rent between \$499 and \$549, 23 percent were in the Midwest region. Using table S-5 one can compute a standard error for 23 percent with a base of 11,000 units to be about 6.5 percentage points. Multiplying 6.5 x 1.6 yields 10.4. Adding or subtracting 10.4 from 23 percent produces a 90-percent confidence interval of between 12.6 and 33.4 percent.

Similarly, using tables S-4 and S-6 one can compute the standard errors and 90 percent confidence intervals for the characteristics of condominiums shown in table S-3.

DEFINITIONS

Condominium. A building in which each unit is owned individually, although not necessarily by the person(s) occupying the unit. The owner of each unit also holds a common or joint ownership in all common areas and facilities that serve the building: land, roofs, hallways, entrances, elevators, lobbies, etc.

Cooperative. A building that is owned by its shareholders and is organized as a corporation. Ownership of shares in the corporation entitles each shareholder to perpetual use of one or more units in the building until the owners sell their shares.

Federally subsidized. Units in buildings built under programs of HUD such as the Low Income Housing Assistance (Section 8), Senior Citizens Housing Direct Loans (Section 202), and all units in buildings in the FHA rent supplement program.

Rental apartments. Units in buildings built for rent wherein the building is owned by an individual, partnership, private corporation, or organization other than a public agency.

Unfurnished. Management provides only such items as a range, refrigerator, carpeting, and drapes.

Furnished. Management provides all the major articles of furniture, such as bed, chest of drawers, sofa, chairs, and tables.

ADDITIONAL INFORMATION

See current Housing Reports, series H130, *Market Absorption of Apartments*, for further information about SOMA and its estimation procedure. Otherwise, call (301) 763-8552 regarding questions about the data found in this supplement.

Table S-1. **Type of Apartment Units Completed in Buildings With Five Units or More, by Location: 1990**

[Preliminary data. Components may not add to totals because of rounding. Percents computed from unrounded figures]

Type of apartment unit	United States	Inside MSA's	Outside MSA's	Northeast	Midwest	South	West
Number of apartment units (thousands)							
Total -----	294	267	27	23	57	106	108
Rental apartments:							
Unfurnished -----	215	204	12	13	44	77	80
Furnished -----	2	2	(Z)	(Z)	1	(Z)	1
Condominiums ¹ -----	53	45	7	9	6	21	16
Federally subsidized ² -----	14	7	6	(Z)	3	3	8
Other ³ -----	11	9	1	1	3	4	3
Percent distribution							
Total -----	100	100	100	100	100	100	100
Rental apartments:							
Unfurnished -----	73	76	46	55	78	73	75
Furnished -----	1	1	(S)	(S)	2	(S)	1
Condominiums ¹ -----	18	17	25	40	10	20	15
Federally subsidized ² -----	5	3	24	(S)	6	3	7
Other ³ -----	4	3	5	4	5	4	3

NA Not available. ¹Revised. S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. Z Fewer than 500 units or less than 0.5 percent.

¹Includes cooperatively owned apartments.

²Federally subsidized apartments are built under programs of the Department of Housing and Urban Development's Low Income Housing Assistance (Section 8), Senior Citizens Direct Loans (Section 202), and all units in buildings containing apartments in the FHA rent supplement program.

³Other includes units such as time-sharing units and continuing care retirement units.

Table S-2. Selected Characteristics of New Rental Apartments Completed, by Asking Rent: 1990

[Preliminary data. Newly-constructed, privately financed, nonsubsidized, unfurnished apartments in buildings with 5 units or more. Components may not add to totals because of rounding. Medians computed from unrounded figures]

Characteristic	Total	Asking rent						Median asking rent (dollars)
		Less than \$350	\$350 to \$449	\$450 to \$549	\$550 to \$649	\$650 to \$749	\$750 or more	
New rental apartments completed (in thousands) ...	215	14	26	46	44	34	52	599
LOCATION								
Number of Apartments (in thousands)								
Inside MSA's	204	6	25	44	44	34	50	612
Outside MSA's	12	8	(Z)	2	1	(Z)	2	-350
Northeast	13	1	3	4	1	1	3	510
Midwest	44	5	10	11	7	6	5	513
South	77	5	8	19	19	12	15	584
West	80	3	4	13	17	15	29	676
Percent Distribution								
Inside MSA's	94	42	99	96	99	99	97	(X)
Outside MSA's	6	58	(S)	4	1	(S)	3	(X)
Northeast	6	5	13	9	2	4	5	(X)
Midwest	21	36	40	23	16	18	10	(X)
South	36	37	32	41	43	35	28	(X)
West	37	23	15	28	38	44	57	(X)
BEDROOMS PER UNIT								
Number of Apartments (in thousands)								
Efficiencies	4	(Z)	1	1	1	1	1	585
1 bedroom	78	7	15	22	12	11	11	525
2 bedrooms	114	5	10	22	28	17	32	620
3 bedrooms or more	19	1	(Z)	1	3	5	9	732
Percent Distribution								
Efficiencies	2	(S)	3	1	2	2	2	(X)
1 bedroom	36	52	57	49	27	32	21	(X)
2 bedrooms	53	38	40	48	63	52	61	(X)
3 bedrooms or more	9	6	(S)	2	8	15	17	(X)
FEATURES INCLUDED IN ASKING RENT								
Number of Apartments (in thousands)								
Swimming pool:								
Included in rent	148	2	15	33	36	26	37	619
Not included in rent	1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	750+
Not available	64	12	11	13	8	8	14	533
Off-street parking:								
Included in rent	209	13	26	45	44	33	49	600
Not included in rent	3	1	(Z)	(Z)	(Z)	(Z)	1	615
Not available	3	(Z)	(Z)	(Z)	(Z)	1	2	750+
Air-conditioning:								
Included in rent	60	4	9	13	13	8	13	579
Not included in rent	121	7	14	27	24	19	31	606
Not available	34	2	2	7	7	6	9	630
Dishwasher:								
Included in rent	199	5	22	45	43	32	50	614
Not included in rent	1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	678
Not available	15	9	3	1	1	1	1	-350
Percent Distribution								
Swimming pool:								
Included in rent	69	15	57	71	82	77	71	(X)
Not included in rent	(Z)	(S)	(S)	(S)	(S)	(S)	(S)	(X)
Not available	31	85	43	29	18	23	28	(X)
Off-street parking:								
Included in rent	98	96	99	99	100	98	94	(X)
Not included in rent	1	4	(S)	(S)	(S)	(S)	2	(X)
Not available	1	(S)	(S)	(S)	(S)	2	4	(X)
Air-conditioning:								
Included in rent	28	32	36	28	29	25	24	(X)
Not included in rent	56	51	55	58	54	56	59	(X)
Not available	16	17	9	14	17	19	17	(X)
Dishwasher:								
Included in rent	93	38	90	97	98	97	97	(X)
Not included in rent	(Z)	(S)	(S)	(S)	(S)	(S)	(S)	(X)
Not available	7	62	10	3	2	2	3	(X)

See footnotes at end of table.

Table S-2. **Selected Characteristics of New Rental Apartments Completed, by Asking Rent: 1990—Con.**

[Preliminary data. Newly-constructed, privately financed, nonsubsidized, unfurnished apartments in buildings with 5 units or more. Components may not add to totals because of rounding. Medians computed from unrounded figures]

Characteristic	Total	Asking rent						Median asking rent (dollars)
		Less than \$350	\$350 to \$449	\$450 to \$549	\$550 to \$649	\$650 to \$749	\$750 or more	
UTILITIES INCLUDED IN ASKING RENT								
Number of Apartments (in thousands)								
Electricity:								
Included in rent	7	(Z)	1	(Z)	1	1	3	719
Not included in rent	208	13	25	46	43	32	49	600
Gas:								
Included in rent	18	2	6	2	2	2	5	563
Not included in rent	88	5	7	18	16	15	26	637
Not available	108	7	13	26	25	16	21	611
Percent Distribution								
Electricity:								
Included in rent	3	(S)	4	(S)	2	4	6	(X)
Not included in rent	97	96	96	99	98	96	94	(X)
Gas:								
Included in rent	8	13	22	3	5	7	10	(X)
Not included in rent	41	36	27	40	37	45	50	(X)
Not available	50	51	50	57	58	49	40	(X)

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review.

X Not applicable.

Z Fewer than 500 units or less than 0.5 percent.

Table S-3. **New Condominiums Completed, by Location, Number of Bedrooms, and Asking Price: 1990**

[Preliminary data. Newly-constructed, privately financed, nonsubsidized, unfurnished condominiums in buildings with 5 units or more. Components may not add to totals because of rounding. Medians computed from unrounded figures]

Characteristic	Total	Asking price						Median asking price (dollars)
		Less than \$50,000	\$50,000 to \$74,999	\$75,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$199,999	\$200,000 or more	
New condominiums completed (in thousands)¹ -----	53	2	7	13	13	8	9	117 400
LOCATION								
Number of Condominiums (in thousands)								
Inside MSA's -----	45	1	6	11	10	8	8	119 500
Outside MSA's -----	7	(Z)	1	2	3	(Z)	1	111 300
Northeast -----	9	(Z)	(Z)	2	2	2	3	158 800
Midwest -----	6	1	2	2	1	(Z)	(Z)	80 300
South -----	21	1	5	8	5	1	2	91 700
West -----	16	(Z)	(Z)	2	5	5	5	164 800
Percent Distribution								
Inside MSA's -----	86	88	89	85	74	100	89	(X)
Outside MSA's -----	14	(S)	11	15	26	(S)	11	(X)
Northeast -----	18	(S)	(S)	12	17	27	30	(X)
Midwest -----	11	48	24	14	9	(S)	(S)	(X)
South -----	40	49	63	62	40	11	19	(X)
West -----	31	(S)	(S)	12	35	61	49	(X)
BEDROOMS PER UNIT								
Number of Condominiums (in thousands)								
Efficiencies -----	1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	166 000
1 bedroom -----	10	1	1	4	2	1	1	96 800
2 bedrooms -----	36	1	6	8	10	5	6	115 900
3 bedrooms or more -----	6	(Z)	(Z)	1	1	2	2	171 000
Percent Distribution								
Efficiencies -----	1	(S)	(S)	(S)	(S)	(S)	(S)	(X)
1 bedroom -----	19	54	9	31	16	13	13	(X)
2 bedrooms -----	68	37	87	60	75	64	61	(X)
3 bedrooms or more -----	12	(S)	(S)	8	8	22	23	(X)

S Withheld because estimate did not meet publication standards on the basis of response rate, associated standard error, or a consistency review. X Not applicable. Z Fewer than 500 units or less than 0.5 percent.

¹Does not include cooperatively owned apartment units.

Table S-4. Standard Errors for Estimates of Apartments in Buildings With 5 Units or More

Estimated number	Standard error		Estimated number	Standard error	
	All types except for condominium apartments (SE=16√est.)	Condominium apartments (SE=20√est.-250)		All types except for condominium apartments (SE=16√est.)	Condominium apartments (SE=20√est.-250)
1,000	500	400	35,000	2,900	3,500
2,000	700	600	50,000	3,500	4,200
3,000	900	800	75,000	4,300	5,200
4,000	1,000	1,000	100,000	5,000	6,100
5,000	1,100	1,200	150,000	6,100	7,500
10,000	1,600	1,800	250,000	7,900	(X)
15,000	1,900	2,200	350,000	9,300	(X)
20,000	2,200	2,600	450,000	10,600	(X)
25,000	2,500	2,900	600,000	12,200	(X)

est = Estimate for a given characteristic. SE=Standard error. X Not applicable.

Table S-5. Standard Errors of Estimated Percentages for All Types of Apartments, Except for Condominiums

$$(SE = 16 \sqrt{\frac{p \times q}{y}})$$

Estimated percentages (p or q)	Number of units in base of percentage ^(y)									
	1,000	5,000	10,000	20,000	50,000	75,000	100,000	150,000	350,000	600,000
2 or 98	7.0	3.1	2.2	1.6	1.0	0.9	0.7	0.6	0.4	0.3
5 or 95	10.9	4.9	3.4	2.4	1.5	1.3	1.1	0.9	0.6	0.4
10 or 90	14.9	6.7	4.7	3.3	2.1	1.7	1.5	1.2	0.8	0.6
20 or 80	19.9	8.9	6.3	4.5	2.8	2.3	2.0	1.6	1.1	0.8
25 or 75	21.6	9.0	6.8	4.8	3.0	2.5	2.2	1.8	1.2	0.9
40 or 60	24.4	10.9	7.7	5.5	3.5	2.8	2.4	2.0	1.3	1.0
50 or 50	24.9	11.1	7.9	5.6	3.5	2.9	2.5	2.0	1.3	1.0

p=Percent distribution. q=100-p. SE= Standard error. y=Base for a given characteristic.

Table S-6. Standard Errors of Estimated Percentages for Condominium Apartments

$$(SE = 20 \sqrt{\frac{p \times q}{y}})$$

Estimated percentages (p or q)	Number of units in base of percentage ^(y)									
	1,000	3,000	5,000	10,000	15,000	25,000	50,000	75,000	100,000	150,000
2 or 98	8.9	5.1	4.0	2.8	2.3	1.8	1.3	1.0	0.9	0.7
5 or 95	13.8	8.0	6.2	4.4	3.6	2.8	1.9	1.6	1.4	1.1
10 or 90	19.0	11.0	8.5	6.0	4.9	3.8	2.7	2.2	1.9	1.5
20 or 80	25.3	14.6	11.3	8.0	6.5	5.1	3.6	2.9	2.5	2.1
25 or 75	27.4	15.8	12.2	8.7	7.1	5.5	3.9	3.2	2.7	2.2
40 or 60	31.0	17.9	13.9	9.8	8.0	6.2	4.4	3.6	3.1	2.5
50 or 50	31.6	18.3	14.1	10.0	8.2	6.3	4.5	3.7	3.2	2.6

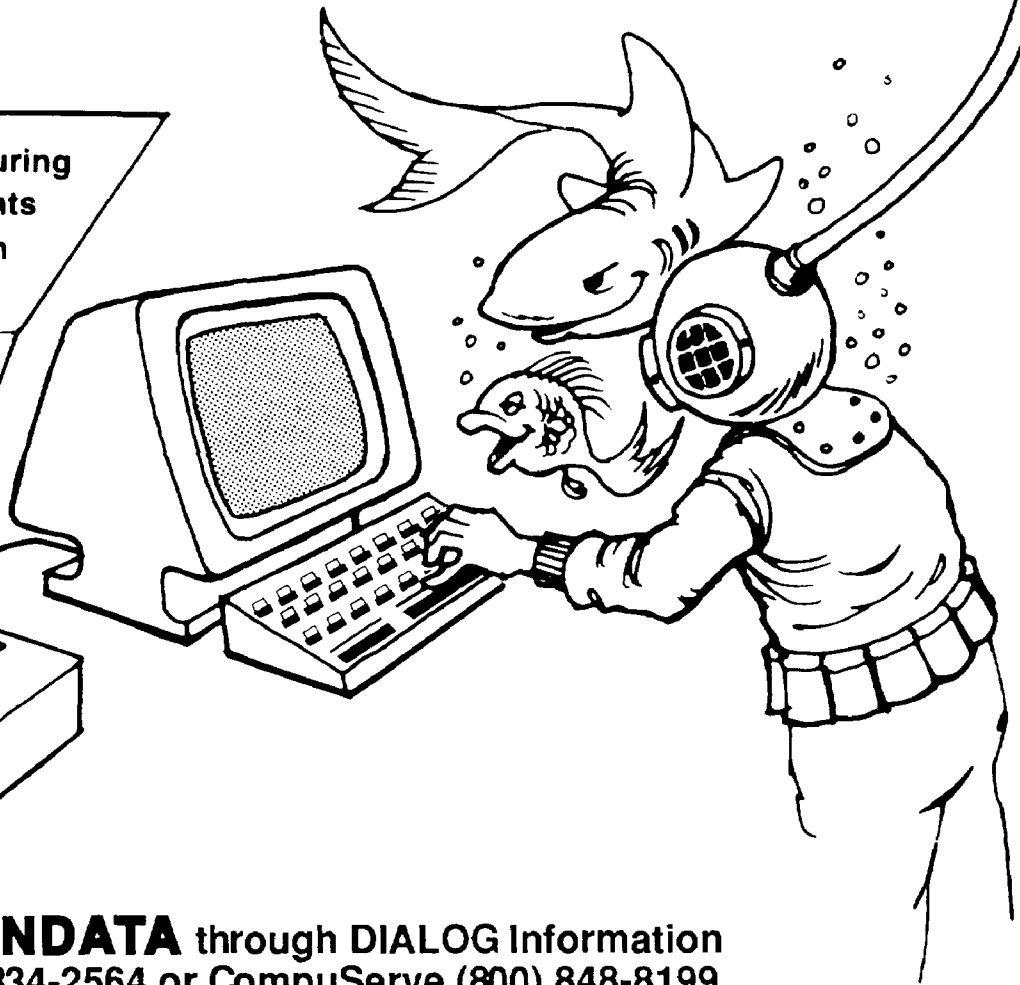
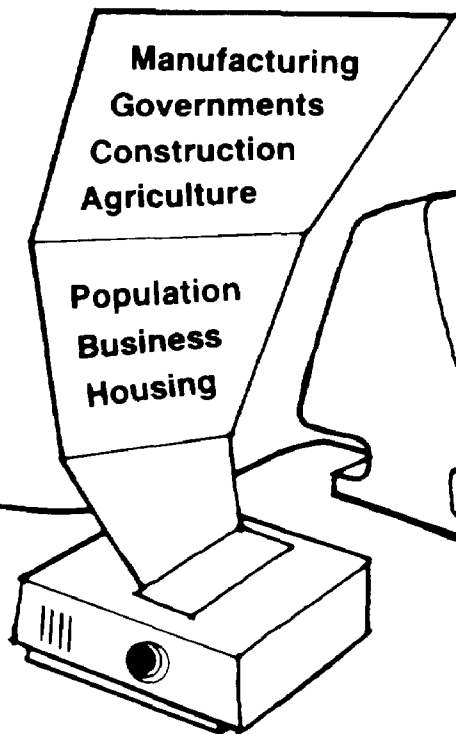
p=Percent distribution. q=100-p. SE=Standard error. y=Base for a given characteristic.

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