

Table 29. Structural, Plumbing, and Equipment Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All housing units	Percent								
		Year structure built		Bedrooms		Condominium	Lacking complete plumbing facilities	With public water system or private company	With public sewer	Lacking complete kitchen facilities
		1980 to March 1990	1939 or earlier	None or 1	4 or more					
The State	3 847 926	13.6	20.8	12.1	15.5	2.7	.8	70.5	70.8	.9
District 1	324 092	16.8	27.6	12.5	14.3	1.3	3.2	40.9	37.4	2.8
COUNTY										
Alger County	5 775	16.2	25.7	13.3	13.7	.5	3.8	30.6	24.2	3.1
Alpena County	14 431	11.4	24.2	10.4	16.8	.8	.8	49.2	49.1	.5
Antrim County	13 145	21.1	22.2	11.7	14.5	4.5	1.9	27.5	18.6	2.3
Baraga County	4 684	15.6	35.1	17.7	12.9	.3	7.4	40.9	40.2	6.2
Benzie County	8 557	19.1	25.9	9.7	13.6	.3	1.9	23.0	20.9	1.4
Charlevoix County	13 119	21.2	24.8	10.8	17.0	3.6	1.4	43.2	36.0	1.2
Cheboygan County	14 090	17.9	21.8	9.1	13.5	.2	1.0	17.5	17.2	.8
Chippewa County	18 023	14.2	21.9	17.8	11.8	.6	7.4	43.1	42.8	7.0
Crawford County (pt.)	2 454	18.9	6.8	15.9	11.0	—	6.3	.2	.5	5.5
Delta County	17 928	13.7	33.8	15.8	13.8	.3	5.9	46.4	43.3	5.3
Dickinson County	12 902	16.4	37.3	10.4	12.0	.1	2.1	67.3	59.7	2.0
Emmet County	14 731	21.5	26.8	9.7	17.2	3.7	.8	37.1	40.3	.8
Gogebic County	10 997	11.4	49.0	15.8	13.5	2.0	7.1	70.1	63.1	6.9
Grand Traverse County	28 740	26.7	17.7	9.9	16.4	2.8	.6	36.8	40.1	.4
Houghton County	17 296	9.7	57.3	13.6	17.0	.5	3.0	67.5	58.0	1.8
Iron County	9 039	12.4	39.3	13.7	12.9	.6	5.1	79.8	49.1	3.8
Kalkaska County	9 151	21.0	10.0	10.5	8.6	.2	2.0	9.4	10.3	1.8
Keweenaw County	2 257	12.6	56.8	12.3	13.4	.2	1.0	70.3	43.6	.9
Leelanau County	11 171	24.9	22.7	8.8	18.4	6.2	1.2	13.8	12.6	1.4
Luce County	3 594	11.9	26.8	9.8	15.1	.3	3.1	33.1	31.8	2.9
Mackinac County	9 254	17.6	20.9	17.5	12.0	.4	4.7	25.1	22.6	4.6
Marquette County	31 049	10.5	29.7	14.8	14.2	.3	3.7	64.4	59.4	3.1
Menominee County	12 509	15.5	33.8	12.7	15.6	—	4.9	39.6	40.7	4.2
Montmorency County	8 791	18.3	9.9	10.5	8.3	—	2.9	5.1	4.7	2.0
Ontonagon County	5 332	12.1	34.2	14.8	14.8	.3	6.5	40.3	38.4	5.3
Otsego County	10 669	22.8	9.5	10.6	12.8	.5	1.8	14.0	13.8	1.9
Presque Isle County	8 917	14.5	23.6	8.4	15.9	—	1.7	25.4	19.8	.9
Schoolcraft County	5 487	15.1	28.8	19.4	11.7	—	7.1	32.4	29.1	6.1
PLACE AND COUNTY SUBDIVISION										
Alpena city	5 002	8.7	44.3	16.1	21.7	.3	.7	100.0	99.6	.2
Escanaba city	6 063	5.4	48.4	16.7	14.9	.8	.6	98.8	97.8	1.1
Garfield township	4 513	35.0	5.3	8.9	14.7	2.7	.2	42.4	48.8	.3
Marquette city	8 244	7.6	38.1	23.1	15.9	.1	.5	99.7	98.8	.8
Sault Ste. Marie city	6 013	14.2	37.8	16.7	14.3	.7	.8	98.8	93.4	.9
Traverse City city	6 554	10.9	40.6	13.7	18.3	2.7	.6	98.1	98.6	.3
District 2	251 112	18.8	21.7	9.7	16.0	1.7	.9	46.6	45.9	.9
COUNTY										
Allegan County (pt.)	28 485	21.9	25.0	7.8	18.7	2.7	.8	36.0	37.9	.6
Barry County (pt.)	8 654	20.1	23.2	9.8	15.3	—	.5	12.2	33.3	.7
Lake County	12 114	19.5	13.0	17.2	6.8	—	3.3	5.1	2.9	2.2
Manistee County	13 330	14.5	32.6	14.6	14.6	.2	1.8	31.3	27.5	2.1
Mason County	14 119	15.2	32.0	12.4	16.1	.6	1.0	37.2	35.6	.8
Muskegon County	61 962	11.5	20.1	10.5	14.2	.6	.5	64.0	68.1	.7
Newaygo County	20 105	19.5	18.9	11.6	12.6	.3	1.8	15.7	19.6	1.5
Oceana County	12 857	18.3	27.7	8.5	16.0	.6	1.7	19.2	20.7	1.0
Ottawa County	66 624	25.7	17.8	6.1	20.0	4.2	.3	68.3	57.2	4.4
Wexford County	12 862	17.5	25.4	11.8	14.2	—	1.3	37.7	43.5	1.1
PLACE AND COUNTY SUBDIVISION										
Cadillac city	4 298	11.9	40.6	15.4	13.7	—	.4	90.0	96.6	.2
Fruitport township	3 952	16.1	10.8	3.2	16.8	—	.1	49.2	6.5	.4
Georgetown township	10 456	30.1	2.9	4.1	22.4	9.9	.2	86.9	64.5	.1
Grand Haven city	5 218	14.7	35.3	11.6	16.3	3.0	.2	99.6	95.1	.2
Holland city	11 243	19.2	29.7	10.3	18.5	6.0	.2	93.7	96.9	.5
Holland township	6 406	35.1	8.7	6.1	11.5	1.7	.4	78.2	66.4	.3
Jenison CDP	5 557	17.3	1.2	2.7	22.7	11.3	—	92.6	70.3	.1
Muskegon city	16 019	3.3	36.8	20.4	11.3	1.1	.6	99.3	99.1	.9
Muskegon township	5 742	16.6	7.9	8.5	9.5	—	.7	44.1	76.2	.5
Muskegon Heights city	5 343	1.6	25.9	14.7	11.9	—	.9	99.6	98.9	1.2
Norton Shores city	8 659	14.0	8.5	4.0	18.1	1.7	—	81.1	90.7	.3
Park township	5 369	30.9	11.6	4.3	25.3	2.3	.1	52.1	31.0	.6
Spring Lake township	4 416	25.1	18.5	7.5	19.1	3.1	.1	87.4	68.0	.3
District 3	221 599	19.5	24.6	12.1	17.1	3.0	.4	75.9	76.9	.5
COUNTY										
Barry County (pt.)	9 227	13.2	35.8	9.2	18.6	—	1.8	38.2	39.9	1.4
Ionia County	19 674	13.5	37.8	8.7	21.6	.5	.9	45.6	47.9	.9
Kent County	192 698	20.4	22.7	12.6	16.6	3.5	.3	80.9	81.6	.5
PLACE AND COUNTY SUBDIVISION										
Byron township	4 871	42.8	9.3	4.1	14.8	8.8	—	52.8	63.0	.3
Cascade township	4 674	34.2	6.6	4.5	41.9	17.0	.1	38.6	23.4	.3
Cutlerville CDP	4 461	46.0	1.3	7.1	5.5	2.2	—	81.1	92.6	.2
East Grand Rapids city	3 900	2.5	29.6	1.8	44.5	1.6	—	100.0	99.7	.4
Forest Hills CDP	5 686	28.7	9.1	1.3	44.0	6.0	.2	37.5	27.3	.2
Gaines township	5 530	45.1	4.6	6.6	12.9	2.2	.1	52.4	70.4	.1
Grand Rapids city	73 716	9.4	41.0	15.1	14.8	2.5	.4	99.3	98.7	.7
Grand Rapids Charter township	3 768	25.7	6.5	4.5	28.6	7.5	.2	61.3	57.2	1.4
Grandville city	5 871	34.1	9.5	8.8	16.3	7.5	.2	98.8	95.6	—
Kentwood city	16 337	33.3	2.4	18.8	11.7	9.1	.1	96.7	96.3	—
Northview CDP	5 272	19.9	5.3	12.2	17.7	4.2	.1	86.5	87.6	.1
Plainfield township	9 287	27.9	7.1	9.7	18.6	2.4	.1	68.8	67.6	.1

Table 29. Structural, Plumbing, and Equipment Characteristics: 1990—Con.

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All housing units	Percent								
		Year structure built		Bedrooms						
		1980 to March 1990	1939 or earlier	None or 1	4 or more	Condominium	Lacking complete plumbing facilities	With public water system or private company	With public sewer	Lacking complete kitchen facilities
District 3 — Con.										
PLACE AND COUNTY SUBDIVISION—Con.										
Walker city	7 060	27.0	9.1	23.7	10.6	2.3	.1	80.9	77.8	—
Wyoming city	25 056	16.7	11.7	15.4	11.3	2.1	.1	97.7	95.7	.2
District 4	272 678	16.4	19.2	9.0	15.5	.6	1.5	31.4	34.5	1.3
COUNTY										
Clare County	19 135	16.0	10.7	12.5	8.3	.2	3.8	11.7	13.3	2.8
Clinton County	20 959	17.3	27.6	4.1	23.3	.7	.2	35.0	50.4	.4
Crawford County (pt.)	6 273	21.2	11.0	9.3	9.8	1.4	1.1	12.8	13.3	1.0
Gladwin County	14 885	19.3	10.5	10.2	9.6	.5	2.6	12.2	16.3	2.0
Gratiot County	14 699	12.3	35.9	7.2	21.5	.2	.8	48.4	51.6	.8
Isabella County	19 950	19.5	18.7	9.5	17.6	1.0	1.1	45.0	46.2	1.0
Mecosta County	17 274	19.2	20.9	10.8	15.9	.6	1.5	22.5	27.0	1.2
Midland County	29 343	17.1	11.1	8.3	20.5	1.0	.6	59.7	54.0	.7
Missaukee County	7 112	20.3	18.8	11.4	14.0	.1	2.0	11.6	15.3	1.3
Montcalm County	22 817	17.2	28.1	8.3	15.5	.3	1.3	27.4	30.5	1.2
Ogemaw County	13 977	20.1	14.8	12.3	8.9	.1	3.5	7.3	9.0	3.0
Osceola County	11 444	19.5	24.0	9.9	16.7	1.3	1.9	19.6	18.5	1.6
Oscoda County	8 112	16.1	8.3	17.6	8.7	.3	6.4	2.5	2.6	5.4
Roscommon County	19 881	17.3	9.0	9.8	8.7	.4	.6	4.7	34.7	.5
Saginaw County (pt.)	27 078	10.0	17.4	4.8	16.5	.9	.8	54.1	38.0	.6
Shiawassee County (pt.)	19 739	9.3	33.4	8.7	19.2	.2	.6	49.8	58.4	.5
PLACE AND COUNTY SUBDIVISION										
Big Rapids city	3 548	15.2	35.2	23.8	17.9	1.4	—	93.4	96.1	.1
Bridgeport township	4 677	6.7	15.2	6.2	14.3	.3	.5	87.1	63.2	.6
De Witt township	4 192	20.5	11.3	5.8	14.5	1.2	—	35.9	78.3	.3
Midland city (pt.)	15 338	17.2	10.2	11.5	24.2	1.9	.1	99.4	98.1	.4
Mount Pleasant city	7 071	16.6	18.0	18.0	18.6	2.6	.4	99.2	99.7	.4
Owosso city	6 716	5.8	45.0	15.9	15.2	.2	.2	99.7	99.6	.6
Thomas township	3 892	14.6	9.9	3.2	15.0	5.5	—	92.3	70.4	—
District 5	251 891	11.3	23.1	9.5	15.0	.8	.9	56.1	55.7	.8
COUNTY										
Alcona County	10 414	17.5	15.2	9.9	9.3	—	2.7	3.8	4.2	2.2
Arenac County	8 891	19.6	16.0	10.2	10.1	.4	2.4	26.5	14.7	2.1
Bay County	44 234	7.5	29.2	10.8	16.0	1.2	.6	84.8	74.4	.5
Genesee County (pt.)	42 150	12.0	11.8	6.7	14.0	.8	.2	47.6	67.8	.4
Huron County	19 755	15.7	29.1	7.3	19.6	.2	.9	34.5	30.6	1.2
Iosco County	19 517	16.3	11.5	10.7	8.1	.9	1.4	35.5	28.9	.9
Lapeer County (pt.)	11 381	14.5	20.4	5.8	17.8	—	.8	13.5	13.4	.7
Saginaw County (pt.)	54 853	6.5	27.0	13.3	14.8	1.4	.6	97.4	94.7	.5
Sanilac County	19 465	13.1	31.9	7.6	18.3	.4	1.7	30.3	27.1	1.4
Tuscola County	21 231	12.1	28.0	6.5	18.2	.1	1.1	29.6	31.0	.9
PLACE AND COUNTY SUBDIVISION										
Bangor township	6 239	7.1	9.3	6.9	11.9	—	.4	99.0	89.5	.5
Bay City city	16 372	2.9	55.9	17.0	20.0	.3	.5	99.8	99.8	.4
Beecher CDP	5 192	2.9	7.2	8.6	7.3	—	—	97.2	98.1	.4
Buena Vista Charter township	4 232	8.8	12.1	6.3	7.6	—	.5	92.5	84.0	.5
Genesee township (pt.)	9 228	11.9	9.0	4.9	9.7	.6	.1	38.7	91.4	.4
Midland city (pt.)	112	29.5	—	7.1	—	—	—	92.9	92.9	—
Mount Morris township	9 360	6.2	8.3	6.1	11.0	1.5	.1	71.0	84.0	.2
Oscoda township	5 921	14.8	9.9	9.7	8.0	.5	.9	59.8	44.8	.4
Saginaw city	27 986	1.5	43.8	17.0	14.8	.1	.8	99.9	99.3	.7
Saginaw township	15 803	13.2	3.3	11.5	14.6	3.6	.2	99.4	97.6	.1
Saginaw Township North CDP	9 486	17.8	2.3	10.5	12.6	1.2	.2	99.3	98.1	.1
Saginaw Township South CDP	6 088	5.9	4.9	13.3	17.6	7.3	.2	99.8	99.9	—
Vienna township	4 725	14.7	9.1	7.6	14.2	1.8	.4	22.5	57.3	.6
District 6	244 813	13.7	24.1	12.6	16.3	1.6	.9	55.7	55.4	.9
COUNTY										
Allegan County (pt.)	7 910	13.5	29.5	9.2	14.6	.3	1.8	24.1	24.1	1.2
Berrien County	69 532	10.0	24.2	11.5	16.1	1.3	1.0	61.2	69.1	1.1
Cass County	22 644	11.4	24.7	8.9	14.7	.3	1.2	21.5	18.9	1.1
Kalamazoo County	88 955	16.4	20.9	16.0	16.8	2.8	.3	74.3	69.1	.3
St. Joseph County	24 242	12.4	30.0	9.9	18.4	.3	1.0	45.5	43.1	.8
Van Buren County	31 530	16.4	26.5	11.1	15.1	1.2	2.2	31.7	30.4	1.9
PLACE AND COUNTY SUBDIVISION										
Benton Charter township	7 018	4.8	15.6	12.3	13.5	.2	1.5	47.6	74.8	1.4
Benton Harbor city	4 791	9.0	31.0	24.1	12.1	.6	1.8	99.2	98.9	5.0
Comstock township	4 303	19.1	15.4	7.2	18.7	—	.6	48.8	25.1	—
Kalamazoo city	31 488	11.3	34.7	23.0	13.0	3.6	.3	99.4	97.6	.4
Kalamazoo township	9 344	12.6	15.3	12.8	9.6	4.0	.2	97.5	76.3	.2
Lincoln township	5 535	18.6	5.9	5.0	16.2	1.9	.4	83.0	84.6	.3
Niles city	5 472	5.0	39.2	20.8	13.9	.4	.3	99.1	98.1	.4
Niles township	4 943	12.6	11.8	3.4	13.5	.4	.2	33.8	74.9	.3
Oshemo township	6 525	29.4	5.5	30.6	12.2	5.4	.4	70.4	58.9	.2
Portage city	16 133	19.7	4.4	13.4	21.9	3.3	—	81.2	78.8	.2
Sturgis city	4 155	8.8	37.4	16.8	14.2	1.1	.2	98.8	98.4	.2
District 7	230 247	11.8	29.9	10.3	18.0	.9	.7	50.3	56.5	.7
COUNTY										
Barry County (pt.)	3 006	11.8	29.7	6.8	20.2	—	1.3	1.7	1.5	1.2
Branch County	18 449	12.9	31.4	9.2	17.5	—	1.8	34.9	35.5	1.6
Calhoun County	55 619	8.4	29.7	12.3	15.5	.6	.4	62.1	67.8	.5
Eaton County	35 517	18.3	22.3	10.0	19.5	2.6	.5	59.6	64.2	.5
Hillsdale County	18 547	13.5	36.1	9.5	19.7	.2	1.8	31.3	32.7	1.5

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State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All housing units	Percent										
		Year structure built		Bedrooms								
		1980 to March 1990	1939 or earlier	None or 1	4 or more	Condominium	Lacking complete plumbing facilities	With public water system or private company	With public sewer	Lacking complete kitchen facilities		
District 7 — Con. COUNTY—Con.												
Jackson County -----	57 979	11.1	29.4	10.6	16.5	1.0	.4	47.9	58.3	.6		
Lenawee County -----	35 104	10.5	34.8	8.7	21.3	.4	.6	48.4	57.3	.6		
Washtenaw County (pt.) -----	6 026	11.9	30.9	5.9	22.5	.5	.3	51.0	50.2	—		
PLACE AND COUNTY SUBDIVISION												
Adrian city -----	7 842	8.3	41.4	18.9	16.9	1.0	.6	99.6	99.3	.5		
Albion city -----	3 656	3.8	43.9	18.5	15.5	1.2	.4	98.2	98.3	.3		
Battle Creek city -----	23 252	6.3	33.0	15.0	14.9	.8	.3	90.6	97.1	.4		
Blackman township -----	6 202	15.7	9.5	19.2	11.3	1.3	.2	42.5	84.5	.3		
Delta township -----	10 757	26.5	5.0	12.8	19.5	6.3	.1	78.3	90.5	.1		
Emmett township -----	4 297	9.9	19.9	8.3	13.3	—	.6	27.4	51.2	.3		
Jackson city -----	15 689	4.1	59.0	18.4	14.1	1.2	.5	99.5	99.2	1.0		
Lansing city (pt.) -----	1 940	8.9	6.8	26.5	8.3	5.7	.3	99.0	98.6	—		
Leoni township -----	5 291	13.4	18.5	5.3	14.6	.4	—	14.9	49.6	.5		
Summit township -----	8 288	7.1	15.8	6.5	20.2	2.2	.1	66.2	77.1	.2		
Waverly CDP -----	6 582	21.2	2.3	15.7	19.2	6.0	—	99.3	99.8	—		
District 8 -----	220 924	16.8	17.6	12.2	17.4	2.6	.4	60.8	68.4	.4		
COUNTY												
Genesee County (pt.) -----	40 202	15.1	10.5	8.0	16.0	3.0	.2	47.5	83.9	.3		
Ingham County -----	108 542	13.8	20.6	17.4	15.2	2.9	.4	87.6	88.6	.4		
Livingston County -----	41 863	22.1	13.6	6.6	21.7	2.3	.7	23.0	23.3	.6		
Oakland County (pt.) -----	5 103	14.4	18.5	7.7	14.8	.2	.5	39.9	41.2	.4		
Shiawassee County (pt.) -----	6 094	11.9	31.1	5.7	19.4	.2	.5	35.9	37.0	.5		
Washtenaw County (pt.) -----	19 120	28.7	19.6	6.6	23.7	2.0	.4	32.3	37.4	.3		
PLACE AND COUNTY SUBDIVISION												
Brighton township -----	4 874	29.5	3.2	4.9	29.4	.9	.5	15.6	3.7	.7		
Delhi Charter township -----	7 189	20.6	9.1	8.2	14.2	.5	.5	73.9	83.1	.1		
East Lansing city -----	14 403	12.8	13.1	30.4	15.9	5.4	.4	99.6	99.6	.7		
Fenton township -----	3 851	17.1	14.3	4.2	21.8	1.2	—	3.3	66.2	—		
Flint township -----	14 609	11.0	6.8	10.2	12.4	2.8	.3	63.6	97.9	.6		
Genoa township -----	4 065	23.9	9.1	3.9	24.9	5.4	1.0	15.2	19.7	1.1		
Grand Blanc township (pt.) -----	4 928	20.0	5.1	10.4	24.7	4.0	.3	36.7	93.0	—		
Green Oak township -----	4 256	21.9	9.1	5.4	16.0	5.3	.5	20.4	19.1	.3		
Hamburg township -----	5 090	20.1	11.5	4.6	19.2	—	.4	3.7	3.4	.1		
Haslett CDP -----	4 765	31.4	7.1	21.2	11.8	14.3	.3	90.6	94.7	.3		
Holt CDP -----	4 437	16.6	9.6	11.5	10.7	.8	.5	96.0	97.0	—		
Lansing city (pt.) -----	51 979	9.2	27.6	18.7	11.9	1.4	.3	99.7	99.3	.5		
Meridian township -----	14 811	26.9	5.2	16.6	21.2	9.6	.2	90.8	93.4	.2		
Mundy township -----	4 310	16.5	7.7	5.4	15.4	4.5	.2	24.3	86.0	—		
Okemos CDP -----	7 961	26.6	4.2	13.5	26.6	8.0	.1	89.8	92.2	.1		
Pittsfield township (pt.) -----	1 524	50.6	10.6	12.1	26.5	1.2	—	37.2	36.0	—		
Scio township (pt.) -----	4 049	38.9	13.5	4.0	29.2	.2	—	45.2	45.8	.1		
District 9 -----	227 025	15.7	16.3	13.3	15.3	3.1	.4	75.5	83.1	.5		
COUNTY												
Genesee County (pt.) -----	88 456	6.9	20.3	15.1	11.6	.9	.4	84.9	95.6	.6		
Lapeer County (pt.) -----	15 064	23.1	22.5	10.2	18.8	1.2	.7	37.7	35.7	.8		
Oakland County (pt.) -----	123 505	21.0	12.6	12.4	17.6	4.9	.3	73.4	79.8	.3		
PLACE AND COUNTY SUBDIVISION												
Auburn Hills city -----	7 069	31.5	8.0	16.0	8.0	6.4	.5	86.7	90.5	.2		
Brandon township -----	4 172	25.6	10.7	2.8	19.9	.1	.4	15.3	18.7	.1		
Burton city -----	10 840	5.7	12.1	9.5	10.3	.6	.2	47.1	98.0	.8		
Davison township -----	6 080	24.6	4.8	20.3	11.6	4.1	.1	51.0	82.2	—		
Flint city (pt.) -----	58 724	3.1	26.0	15.3	10.4	.3	.5	99.7	99.1	.8		
Grand Blanc township (pt.) -----	5 089	15.2	5.1	11.0	16.9	1.5	—	48.6	95.3	.1		
Independence township -----	8 746	24.3	6.7	4.3	24.7	3.0	.3	32.2	49.8	—		
Orion township -----	9 009	19.4	13.7	10.5	18.3	4.9	.4	48.4	68.2	.4		
Oxford township -----	4 376	22.3	18.7	11.4	14.2	2.5	.2	46.3	69.4	.2		
Pontiac city -----	26 593	4.6	25.4	20.8	9.5	1.4	.5	99.4	98.8	.6		
Rochester Hills city -----	23 535	42.2	3.1	7.9	29.9	11.7	.2	90.6	94.1	.1		
Waterford CDP (pt.) -----	26 509	15.0	10.1	13.5	11.4	4.5	.2	82.6	92.3	.2		
Waterford township (pt.) -----	26 509	15.0	10.1	13.5	11.4	4.5	.2	82.6	92.3	.2		
District 10 -----	225 694	19.3	12.4	10.7	13.2	6.4	.3	86.2	80.8	.4		
COUNTY												
Macomb County (pt.) -----	168 200	20.4	7.8	10.8	12.3	7.9	.2	92.0	85.5	.4		
St. Clair County -----	57 494	16.0	25.8	10.5	16.0	1.9	.5	69.1	67.3	.5		
PLACE AND COUNTY SUBDIVISION												
Chesterfield township -----	9 594	42.3	4.1	8.5	9.9	9.2	.1	96.4	91.4	.9		
Clinton CDP -----	33 938	30.2	2.2	13.5	11.6	15.1	.3	97.0	92.6	.5		
Clinton township -----	33 938	30.2	2.2	13.5	11.6	15.1	.3	97.0	92.6	.5		
East Detroit city (pt.) -----	11 495	1.8	8.7	6.0	6.1	.9	—	100.0	99.8	.5		
Fraser city -----	5 342	13.3	3.3	13.7	11.9	12.1	—	98.1	96.9	.1		
Harrison township -----	10 616	21.4	8.2	16.3	10.5	10.0	.3	98.9	89.4	.3		
Harrison CDP -----	10 616	21.4	8.2	16.3	10.5	10.0	.3	98.9	89.4	.3		
Macomb township -----	7 562	41.7	4.1	1.7	15.0	4.2	.3	90.4	79.6	.4		
Mount Clemens city -----	7 727	5.5	34.1	27.9	10.3	2.5	.5	99.9	99.8	.4		
Port Huron city -----	14 026	8.7	42.2	18.9	13.0	2.3	.5	100.0	99.8	.6		
Roseville city -----	20 025	10.2	6.8	12.0	6.5	4.9	.1	99.7	99.8	.2		
St. Clair Shores city -----	27 929	4.5	6.4	8.5	9.1	9.1	.2	100.0	99.8	.3		
Shelby CDP -----	17 630	33.6	2.7	6.3	23.5	5.3	.2	81.1	38.1	.3		
Shelby township -----	17 630	33.6	2.7	6.3	23.5	5.3	.2	81.1	38.1	.3		
Washington township -----	4 643	31.6	12.3	7.0	24.4	4.2	.4	39.1	52.3	.3		
District 11 -----	232 785	20.4	5.8	10.3	23.7	8.2	.2	83.6	82.4	.2		

Table 29. Structural, Plumbing, and Equipment Characteristics: 1990 — Con.

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All housing units	Percent								
		Year structure built		Bedrooms						
		1980 to March 1990	1939 or earlier	None or 1	4 or more	Condominium	Lacking complete plumbing facilities	With public water system or private company	With public sewer	Lacking complete kitchen facilities
District 11 — Con.										
COUNTY										
Oakland County (pt.)	182 748	23.8	6.1	11.5	25.4	9.7	.2	79.2	77.8	.2
Wayne County (pt.)	50 037	7.9	4.8	5.8	17.3	2.8	.1	99.8	99.2	.3
PLACE AND COUNTY SUBDIVISION										
Beverly Hills village	4 166	3.8	5.7	1.0	36.0	2.3	—	97.0	99.7	—
Birmingham city	9 764	3.7	24.1	9.5	18.0	8.2	.2	99.8	99.6	.1
Bloomfield township	16 542	12.8	2.8	4.4	50.4	14.4	.1	93.6	79.5	—
Bloomfield Township CDP	16 437	12.7	2.8	4.4	50.5	14.5	.1	93.8	79.4	—
Commerce township	9 847	25.4	7.0	3.1	19.6	1.7	.2	21.3	10.1	.3
Farmington city	4 898	6.7	6.5	19.5	16.6	10.0	.1	99.9	99.5	.1
Farmington Hills city	31 171	35.3	2.5	17.1	26.5	9.1	.1	93.4	92.8	.1
Highland township	6 271	16.3	9.5	3.7	18.4	.4	.7	19.4	14.9	.4
Livonia city (pt.)	29 586	12.9	4.3	7.0	22.7	3.7	.1	99.7	99.1	.1
Milford township	4 406	27.0	16.0	8.7	20.3	1.3	.2	51.7	50.0	.2
Novi city	13 557	42.8	2.4	9.6	19.7	14.7	.4	80.8	87.4	.2
Redford CDP	20 451	.8	5.6	4.1	9.3	1.5	.1	99.9	99.4	.6
Redford township	20 451	.8	5.6	4.1	9.3	1.5	.1	99.9	99.4	.6
Southfield city (pt.)	31 155	14.9	2.5	20.8	17.1	6.9	.3	97.9	93.4	.3
Southfield township	5 626	8.1	6.6	.8	38.7	5.2	.1	79.2	81.6	.1
West Bloomfield township (pt.)	20 389	35.0	5.0	2.9	38.5	19.6	.3	77.9	85.1	.5
West Bloomfield Township CDP (pt.)	20 494	34.9	5.0	2.9	38.5	19.5	.3	77.8	85.1	.5
White Lake township	8 267	16.3	8.6	3.4	19.2	.7	.1	19.4	13.1	.5
District 12										
COUNTY										
Macomb County (pt.)	106 643	11.6	3.6	11.8	12.5	6.5	.2	99.7	98.4	.3
Oakland County (pt.)	121 328	6.2	13.2	13.6	15.3	3.2	.3	99.9	99.1	.5
PLACE AND COUNTY SUBDIVISION										
Berkley city	6 729	2.0	19.2	6.5	12.8	.2	—	99.8	99.6	.2
Clawson city	5 647	5.1	10.7	17.1	13.2	1.3	.2	100.0	100.0	.2
East Detroit city (pt.)	2 189	7.3	18.0	19.0	11.7	1.4	.3	100.0	99.8	—
Ferndale city	10 207	2.7	37.8	11.5	9.5	—	.2	100.0	99.8	.6
Hazel Park city	7 779	4.0	23.8	11.5	10.0	—	2.5	100.0	99.6	2.6
Madison Heights city	13 220	6.3	4.5	18.1	6.1	2.4	.3	99.9	99.8	.3
Oak Park city	11 344	2.3	3.0	6.4	9.2	2.2	.1	100.0	99.4	.3
Royal Oak city	29 163	2.7	18.7	17.2	10.0	4.8	.2	100.0	99.8	.6
Southfield city (pt.)	3 899	.9	.8	21.6	10.2	2.5	—	100.0	100.0	.4
Sterling Heights city	42 317	20.6	9	12.4	17.0	6.3	.2	99.4	96.7	.2
Troy city	27 197	16.3	2.7	10.9	32.3	6.1	.2	99.5	97.0	.2
Warren city	56 189	5.6	4.4	10.4	9.6	6.8	.2	99.9	99.8	.5
District 13										
COUNTY										
Washtenaw County (pt.)	86 110	13.2	15.2	24.6	13.7	6.3	.2	93.7	93.2	.4
Wayne County (pt.)	140 267	15.0	5.9	13.3	14.3	4.6	.3	97.8	93.5	.4
PLACE AND COUNTY SUBDIVISION										
Ann Arbor city	44 010	12.2	18.5	26.2	15.4	7.8	.1	99.7	99.4	.4
Canton CDP	20 309	24.4	2.0	10.3	24.4	4.5	.3	95.3	94.1	.3
Canton township	20 309	24.4	2.0	10.3	24.4	4.5	.3	95.3	94.1	.3
Dearborn Heights city (pt.)	330	—	5.8	3.3	14.2	—	1.2	100.0	100.0	—
Garden City city	11 374	2.5	5.1	6.6	9.5	.1	—	100.0	99.7	.1
Huron township	3 630	14.7	13.3	2.3	16.7	—	.1	99.1	54.2	.7
Inkster city	12 045	1.8	5.2	20.4	8.7	1.2	.5	100.0	99.3	.6
Livonia city (pt.)	7 055	7.8	2.1	3.1	15.1	1.9	—	98.9	99.3	.1
Northville township	6 518	39.0	3.9	10.9	29.1	23.3	—	85.6	85.7	.1
Pittsfield township (pt.)	6 270	27.3	1.8	33.8	6.6	2.4	—	98.3	97.5	—
Plymouth township	9 219	21.4	3.2	9.0	30.0	9.5	.1	97.3	94.8	.1
Plymouth Township CDP	9 209	21.4	3.1	9.0	30.0	9.5	.1	97.3	94.8	.1
Romulus city	8 212	5.5	11.0	11.5	11.3	.7	.5	99.1	94.3	.9
Scio township (pt.)	217	—	28.6	5.1	20.7	17.1	—	38.7	36.9	—
Sumpter township	3 848	19.7	7.6	3.6	10.4	—	.6	88.8	30.0	.4
Van Buren township	8 430	22.9	5.8	15.0	12.0	5.3	.3	96.8	86.1	.2
Wayne city	7 325	3.2	11.2	17.8	11.6	1.8	.8	99.8	99.7	.5
Westland city	34 514	16.0	2.6	17.9	7.1	4.5	.2	99.8	99.2	.3
Ypsilanti city	9 321	3.4	31.5	39.0	9.6	1.6	.6	99.6	99.4	1.0
Ypsilanti township	18 659	11.7	4.1	18.4	9.5	7.4	.3	96.8	95.3	.2
District 14										
COUNTY										
Wayne County (pt.)	219 090	1.7	22.3	10.8	11.9	1.1	.6	99.9	98.9	.7
PLACE AND COUNTY SUBDIVISION										
Dearborn Heights city (pt.)	3 467	7.4	2.6	14.9	10.9	4.3	—	100.0	99.6	.1
Detroit city (pt.)	192 002	1.5	22.2	10.0	11.0	.9	.7	99.9	98.8	.7
Grosse Pointe Woods city	6 671	.7	11.8	.1	28.0	1.4	—	100.0	99.7	.1
Harper Woods city	6 744	2.1	3.6	12.2	9.1	6.4	.1	100.0	99.9	.1
Highland Park city	9 162	3.4	55.8	33.6	17.0	1.5	.6	100.0	99.2	1.8
District 15										
COUNTY										
Wayne County (pt.)	247 839	3.3	48.8	20.8	14.5	1.5	1.1	99.9	98.9	2.1

Table 29. **Structural, Plumbing, and Equipment Characteristics: 1990** — Con.

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All housing units	Percent								
		Year structure built		Bedrooms		Condominium	Lacking complete plumbing facilities	With public water system or private company	With public sewer	Lacking complete kitchen facilities
		1980 to March 1990	1939 or earlier	None or 1	4 or more					
District 15 — Con.										
PLACE AND COUNTY SUBDIVISION										
Detroit city (pt.) -----	218 025	3.5	47.8	22.3	13.3	1.6	1.1	99.9	98.8	2.3
Ecorse city -----	4 999	1.9	35.0	15.5	9.9	.4	.3	99.9	99.3	.6
Grosse Pointe Farms city -----	3 947	2.3	37.2	.7	41.2	.6	.2	100.0	100.0	—
Grosse Pointe Park city -----	5 009	1.2	63.0	3.7	43.3	—	—	100.0	100.0	.2
Hamtramck city -----	8 701	2.8	70.8	11.8	11.0	.4	1.4	99.9	99.0	2.1
River Rouge city -----	4 666	1.3	58.6	18.2	14.1	—	.6	99.9	99.4	.6
District 16 -----	223 789	6.8	15.5	9.8	12.1	1.8	.3	92.8	91.7	.4
COUNTY										
Monroe County -----	48 312	12.8	23.3	8.3	17.9	.6	.3	66.6	63.7	.5
Wayne County (pt.) -----	175 477	5.2	13.4	10.2	10.5	2.2	.3	100.0	99.4	.4
PLACE AND COUNTY SUBDIVISION										
Allen Park city -----	12 233	.4	5.8	6.7	8.1	.1	.2	100.0	100.0	.2
Bedford township -----	8 239	17.5	12.6	3.7	24.8	—	.1	54.7	69.7	.2
Brownstown township -----	6 751	11.0	4.4	9.4	10.9	4.1	.6	100.0	97.7	.2
Dearborn city -----	36 929	5.9	27.3	11.0	12.2	2.9	.5	100.0	99.6	.4
Dearborn Heights city (pt.) -----	20 142	1.8	5.6	5.9	9.5	.5	.3	99.9	99.8	.4
Frenchtown township -----	6 881	18.0	12.6	12.0	10.9	.3	.2	85.3	87.6	.8
Lincoln Park city -----	16 763	1.6	11.4	10.2	6.3	.1	.2	100.0	99.7	.2
Melvindale city -----	4 902	6.3	17.8	18.9	6.3	.5	.1	100.0	99.7	.6
Monroe city -----	8 840	8.2	41.6	13.8	15.9	1.6	.1	99.9	99.8	.5
Monroe township -----	4 585	15.3	14.0	11.7	10.0	1.1	.7	96.1	94.2	.7
Riverview city -----	5 227	10.7	1.3	15.3	19.7	3.2	.1	100.0	100.0	.1
Southgate city -----	12 504	11.1	2.4	16.5	7.8	2.1	.1	100.0	100.0	.5
Taylor city -----	25 727	2.9	5.4	7.3	7.6	3.4	.3	100.0	98.2	.4
Trenton city -----	8 079	2.4	9.5	10.8	15.7	6.4	.3	100.0	100.0	.3
Woodhaven city -----	4 140	17.4	.8	14.9	11.8	.2	.2	100.0	99.4	—
Wyandotte city -----	12 822	1.8	36.8	13.6	10.4	.4	.3	100.0	99.8	.5