

**Table HC10.11 Average square footage of Midwest homes, 2020**

	Number of housing units (million)	Average square footage per housing unit		Average square footage per household member			
	Total Midwest <sup>a</sup>	Total <sup>b</sup>	Heated <sup>c</sup>	Cooled <sup>c</sup>	Total <sup>b</sup>	Heated	Cooled
<b>All homes</b>	27.04	2,006	1,863	1,552	846	786	654
<b>Census division</b>							
East North Central	18.55	2,001	1,851	1,520	844	781	641
West North Central	8.50	2,017	1,891	1,621	850	797	683
<b>Census urban/rural classification<sup>d</sup></b>							
Urban	20.77	1,900	1,776	1,516	801	749	639
Urbanized area	17.20	1,922	1,804	1,556	797	748	645
Urban cluster	3.57	1,795	1,642	1,320	823	753	605
Rural	6.28	2,355	2,151	1,670	995	909	705
<b>Climate region<sup>e</sup></b>							
Very cold/Cold	22.09	1,995	1,853	1,510	841	781	637
Mixed-humid	4.96	2,056	1,908	1,735	870	808	734
Mixed-dry/Hot-dry	N	N	N	N	N	N	N
Hot-humid	N	N	N	N	N	N	N
Marine	N	N	N	N	N	N	N
<b>Housing unit type</b>							
Single-family detached	18.58	2,413	2,222	1,887	943	868	738
Single-family attached	1.33	1,772	1,649	1,446	812	755	663
Apartments in buildings with 2–4 units	1.95	1,062	1,049	679	489	484	313
Apartments in buildings with 5 or more units	4.20	911	889	661	526	514	382
Mobile homes	0.97	1,171	1,151	881	531	521	399
<b>Year of construction</b>							
Before 1950	6.11	1,941	1,687	1,189	831	722	509
1950 to 1959	3.18	1,850	1,703	1,385	796	733	596
1960 to 1969	2.90	1,767	1,668	1,351	775	731	593
1970 to 1979	4.05	1,888	1,789	1,455	794	752	612
1980 to 1989	2.71	1,818	1,752	1,481	817	787	665
1990 to 1999	3.56	2,319	2,202	2,001	957	909	826
2000 to 2009	2.95	2,350	2,217	2,058	923	870	808
2010 to 2015	0.86	2,402	2,304	2,188	948	910	864
2016 to 2020	0.73	2,148	2,043	1,925	835	795	749
<b>Number of stories</b>							
1 story	10.55	2,209	2,016	1,691	953	870	729
2 stories	7.95	2,607	2,405	2,060	938	866	741
3 or more stories	0.52	2,468	2,398	2,121	909	884	781
Split-level	0.90	2,120	2,067	1,883	761	742	676
Not asked (apartments and mobile homes)	7.13	988	969	696	516	506	363
<b>Fuels used for any use (more than one may apply)</b>							
Electricity	27.04	2,006	1,863	1,552	846	786	654
Natural gas	20.08	2,065	1,923	1,653	858	799	686
Propane <sup>f</sup>	2.72	2,359	2,140	1,584	974	884	654
Wood	2.21	2,482	2,307	1,756	1,008	936	713
Fuel oil or kerosene	0.41	2,031	1,839	1,270	1,030	933	645
<b>Distributed solar generation</b>							
Yes	0.29	2,492	2,218	1,897	857	763	652
No	20.60	2,312	2,134	1,811	920	849	721
Not asked (apartments)	6.15	959	940	667	513	503	356

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	Total Midwest <sup>a</sup>	Total <sup>b</sup>	Heated <sup>c</sup>	Cooled <sup>c</sup>	Total <sup>b</sup>	Heated	Cooled
<b>All homes</b>	27.04	2,006	1,863	1,552	846	786	654
<b>Main space heating fuel</b>							
Natural gas	18.81	2,092	1,954	1,686	863	806	695
Electricity	5.20	1,561	1,467	1,155	716	673	529
Fuel oil or kerosene	0.28	1,975	1,770	1,193	1,148	1,029	694
Propane	2.12	2,347	2,128	1,575	975	884	654
Wood	0.51	2,177	1,955	1,046	853	766	410
Some other fuel <sup>b</sup>	Q	Q	Q	Q	Q	Q	Q
Does not use heating equipment	0.12	1,207	0	274	530	0	120
<b>Air-conditioning equipment</b>							
Uses air-conditioning equipment	25.24	2,032	1,891	1,662	858	798	702
Does not use air-conditioning equipment	1.80	1,638	1,476	0	685	617	0
<b>Fuel used by main water heater</b>							
Natural gas	16.17	2,103	1,969	1,709	877	821	713
Electricity	9.65	1,784	1,634	1,274	768	703	549
Propane	1.10	2,550	2,329	1,729	1,079	985	731
Fuel oil or kerosene	Q	Q	Q	Q	Q	Q	Q
Some other fuel <sup>b</sup>	Q	Q	Q	Q	Q	Q	Q
<b>Indoor light bulbs used at least 4 hours a day</b>							
0 to 2	9.99	1,818	1,676	1,367	892	822	671
3 to 5	7.39	1,838	1,694	1,402	795	733	606
6 to 9	4.99	2,147	1,998	1,660	834	776	645
10 to 19	3.68	2,416	2,285	1,924	853	806	679
20 or more	1.00	2,905	2,758	2,588	852	809	759
<b>Total number of rooms (excluding bathrooms)</b>							
1 or 2	0.74	665	664	477	474	473	340
3	1.75	852	795	512	530	495	318
4	3.13	1,124	1,036	761	604	557	409
5	4.18	1,586	1,450	1,102	719	658	500
6	5.02	1,927	1,741	1,422	827	748	610
7	3.97	2,157	1,985	1,691	851	783	667
8	3.23	2,463	2,310	1,955	956	897	759
9 or more	5.01	3,173	3,014	2,702	1,052	999	896
<b>Number of bedrooms</b>							
0	0.34	641	630	449	415	408	290
1	2.84	871	826	525	632	599	380
2	6.68	1,431	1,303	991	718	654	497
3	10.82	2,138	1,978	1,655	868	803	672
4	4.96	2,826	2,636	2,351	960	896	799
5 or more	1.40	3,462	3,317	2,949	951	911	810
<b>Basement</b>							
Yes	15.63	2,564	2,345	2,005	979	895	766
Finished basement	9.04	2,610	2,502	2,232	963	923	824
Unfinished basement	6.60	2,502	2,129	1,693	1,004	854	679
No	4.28	1,662	1,594	1,321	748	717	594
Not asked (apartments and mobile homes)	7.13	988	969	696	516	506	363

**Table HC10.11 Average square footage of Midwest homes, 2020**

	Number of housing units (million)	Average square footage per housing unit			Average square footage per household member		
	Total Midwest <sup>a</sup>	Total <sup>b</sup>	Heated <sup>c</sup>	Cooled <sup>c</sup>	Total <sup>b</sup>	Heated	Cooled
<b>All homes</b>	27.04	2,006	1,863	1,552	846	786	654
<b>Adequacy of insulation</b>							
Well insulated	7.14	2,366	2,239	1,959	1,020	965	844
Adequately insulated	14.78	1,957	1,817	1,536	830	771	652
Poorly insulated	4.49	1,697	1,522	1,071	669	600	422
No insulation	0.63	1,267	1,124	716	614	545	347
<b>Type of glass in windows</b>							
Single-pane glass	8.34	1,654	1,487	1,132	745	670	510
Double-pane glass	18.13	2,153	2,022	1,731	882	828	709
Triple-pane glass	0.57	2,464	2,339	1,984	1,055	1,001	849
<b>Number of household members</b>							
1 member	7.74	1,550	1,433	1,121	1,550	1,433	1,121
2 members	10.41	2,133	1,976	1,668	1,066	988	834
3 members	3.62	2,127	1,977	1,660	709	659	553
4 members	3.08	2,347	2,219	1,886	587	555	472
5 members	1.36	2,352	2,161	1,861	470	432	372
6 or more members	0.83	2,309	2,160	1,888	345	323	282
<b>2020 annual household income</b>							
Less than \$5,000	1.01	1,238	1,083	656	498	436	264
\$5,000 to \$9,999	0.92	1,156	1,038	654	528	474	299
\$10,000 to \$19,999	2.31	1,467	1,296	816	819	723	456
\$20,000 to \$39,999	5.27	1,642	1,504	1,159	809	741	571
\$40,000 to \$59,999	4.28	1,825	1,670	1,339	853	781	626
\$60,000 to \$99,999	6.42	2,055	1,911	1,649	810	753	650
\$100,000 to \$149,999	3.71	2,462	2,329	2,103	908	859	776
\$150,000 or more	3.14	3,118	2,993	2,741	1,054	1,012	927
<b>Ownership of housing unit<sup>h</sup></b>							
Owned	19.48	2,340	2,176	1,870	955	887	763
Rented	7.56	1,144	1,059	732	529	490	338

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey  
Notes: Because of rounding, data may not sum to totals. See RECS Terminology for the definitions of terms used in these tables.

<sup>a</sup> Total Midwest includes all primary occupied housing units in the Midwest Census Region. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>b</sup> Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

<sup>c</sup> When calculating average heated and cooled square footage, all housing units are considered, including those that are not heated or cooled.

<sup>d</sup> Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people, while urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

<sup>e</sup> The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for Very-cold/Cold.

<sup>f</sup> Households that use propane only for outdoor grilling are excluded from the RECS estimate of households using propane.

<sup>g</sup> Some other fuel includes coal and district steam.

<sup>h</sup> Rented includes households that occupy their primary housing unit without paying rent.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households were in the reporting sample.

N = No households in reporting sample.

**Relative standard errors (RSEs) for Table HC10.11 Average square footage of Midwest homes, 2020**

	RSEs for number of housing units		RSEs for average square footage per housing unit		RSEs for average square footage per household member		
	Total Midwest <sup>a</sup>	Total <sup>b</sup>	Heated <sup>c</sup>	Cooled <sup>c</sup>	Total <sup>b</sup>	Heated	Cooled
<b>All homes</b>	0.00	0.75	0.89	1.24	1.13	1.25	1.45
<b>Census division</b>							
East North Central	0.00	1.05	1.16	1.58	1.49	1.57	1.79
West North Central	0.00	1.02	1.10	1.46	1.79	1.89	2.07
<b>Census urban/rural classification<sup>d</sup></b>							
Urban	0.97	0.98	1.15	1.37	1.46	1.57	1.54
Urbanized area	1.23	1.21	1.34	1.61	1.83	1.93	1.89
Urban cluster	4.97	2.46	2.35	2.98	2.91	2.88	3.44
Rural	3.21	1.45	1.36	2.67	2.34	2.31	3.24
<b>Climate region<sup>e</sup></b>							
Very cold/Cold	0.49	0.89	0.96	1.41	1.31	1.38	1.62
Mixed-humid	2.18	2.56	2.69	2.87	3.28	3.40	3.44
Mixed-dry/Hot-dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hot-humid	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Housing unit type</b>							
Single-family detached	0.00	0.88	1.04	1.39	1.30	1.43	1.63
Single-family attached	0.00	1.94	2.22	3.55	4.26	4.52	5.33
Apartments in buildings with 2–4 units	0.00	3.27	3.30	7.09	5.88	6.08	7.83
Apartments in buildings with 5 or more units	0.00	1.97	2.21	3.59	4.46	4.60	5.42
Mobile homes	0.00	3.30	3.67	6.72	7.74	7.80	10.82
<b>Year of construction</b>							
Before 1950	0.00	2.33	2.28	3.72	3.30	3.50	4.55
1950 to 1959	0.00	2.89	2.91	4.36	3.61	3.62	4.55
1960 to 1969	0.00	3.73	4.02	5.04	4.78	5.08	5.15
1970 to 1979	0.00	2.43	2.44	2.92	3.57	3.64	3.81
1980 to 1989	0.00	3.26	3.19	4.20	3.93	3.91	4.56
1990 to 1999	0.00	2.54	2.65	3.00	3.50	3.62	3.93
2000 to 2009	0.00	3.27	3.26	3.74	4.27	4.30	4.63
2010 to 2015	5.76	5.66	5.50	5.85	5.04	4.76	4.99
2016 to 2020	6.83	5.72	5.83	6.00	6.32	6.18	6.64
<b>Number of stories</b>							
1 story	1.81	1.13	1.31	1.82	1.86	2.04	2.40
2 stories	2.38	1.42	1.61	2.11	2.14	2.34	2.93
3 or more stories	12.06	6.37	6.64	8.39	8.99	9.36	10.95
Split-level	8.56	4.46	4.52	4.82	8.00	7.99	8.06
Not asked (apartments and mobile homes)	0.00	1.43	1.50	3.02	3.18	3.22	3.76
<b>Fuels used for any use (more than one may apply)</b>							
Electricity	0.00	0.75	0.89	1.24	1.13	1.25	1.45
Natural gas	1.07	0.98	1.11	1.40	1.44	1.55	1.59
Propane <sup>f</sup>	4.97	2.58	2.72	4.22	3.59	3.66	5.05
Wood	6.11	2.74	2.90	4.72	3.45	3.48	4.67
Fuel oil or kerosene	14.96	5.84	5.60	11.46	8.97	9.30	15.61
<b>Distributed solar generation</b>							
Yes	16.78	8.44	8.13	11.52	10.34	10.03	11.55
No	0.23	0.87	1.00	1.35	1.21	1.33	1.57
Not asked (apartments)	0.00	1.67	1.80	3.54	3.53	3.64	4.26

**Relative standard errors (RSEs) for Table HC10.11 Average square footage of Midwest homes, 2020**

	RSEs for number of housing units		RSEs for average square footage per housing unit		RSEs for average square footage per household member		
	Total Midwest <sup>a</sup>	Total <sup>b</sup>	Heated <sup>c</sup>	Cooled <sup>c</sup>	Total <sup>b</sup>	Heated	Cooled
<b>All homes</b>	0.00	0.75	0.89	1.24	1.13	1.25	1.45
<b>Main space heating fuel</b>							
Natural gas	1.34	1.01	1.15	1.40	1.54	1.62	1.65
Electricity	4.18	2.54	2.49	3.50	3.64	3.67	4.23
Fuel oil or kerosene	20.23	7.39	6.68	13.06	11.20	11.50	15.86
Propane	6.23	2.80	2.82	4.98	4.12	4.24	6.07
Wood	13.66	6.67	7.27	15.69	7.84	8.20	12.48
Some other fuel <sup>b</sup>	100.27	0.00	0.00	0.00	0.00	0.00	0.00
Does not use heating equipment	32.69	11.90	0.00	44.51	19.02	0.00	45.57
<b>Air-conditioning equipment</b>							
Uses air-conditioning equipment	0.54	0.83	0.93	1.12	1.22	1.32	1.33
Does not use air-conditioning equipment	7.63	4.86	5.22	0.00	4.86	5.13	0.00
<b>Fuel used by main water heater</b>							
Natural gas	1.51	1.19	1.34	1.54	1.77	1.86	1.89
Electricity	2.43	1.85	1.86	2.58	2.42	2.49	3.00
Propane	8.84	3.90	4.09	5.89	5.29	5.27	6.37
Fuel oil or kerosene	41.65	16.53	16.74	44.79	19.21	19.18	59.07
Some other fuel <sup>b</sup>	32.86	20.94	22.12	35.07	29.06	32.61	43.59
<b>Indoor light bulbs used at least 4 hours a day</b>							
0 to 2	2.86	1.43	1.50	2.35	1.99	2.15	2.82
3 to 5	3.11	1.70	1.89	2.57	1.98	2.22	2.68
6 to 9	3.92	2.44	2.60	3.25	3.32	3.43	3.89
10 to 19	4.57	2.60	2.63	3.48	3.02	2.97	3.50
20 or more	9.24	5.75	5.15	6.29	6.71	6.01	6.70
<b>Total number of rooms (excluding bathrooms)</b>							
1 or 2	11.20	6.50	6.52	8.66	12.74	12.74	12.25
3	7.34	3.14	2.73	5.83	6.48	6.93	9.07
4	5.79	2.30	2.37	4.38	3.52	3.55	4.94
5	4.15	2.26	2.16	3.24	4.12	4.03	4.63
6	4.04	1.61	1.78	2.72	3.02	3.13	3.76
7	3.74	1.81	1.97	2.56	3.33	3.53	3.92
8	4.67	1.71	1.70	3.13	2.62	2.66	3.84
9 or more	2.97	1.56	1.53	1.94	2.69	2.67	2.99
<b>Number of bedrooms</b>							
0	17.55	8.63	8.32	12.29	21.59	21.46	20.63
1	5.13	2.78	2.61	4.66	4.35	4.58	5.71
2	2.86	1.57	1.68	3.05	3.00	3.02	4.05
3	2.14	0.96	1.23	1.37	2.04	2.25	2.20
4	4.31	1.51	1.53	2.13	2.57	2.51	3.10
5 or more	6.94	3.49	3.66	5.05	4.32	4.54	5.38
<b>Basement</b>							
Yes	0.90	0.95	1.14	1.46	1.47	1.60	1.79
Finished basement	1.94	1.14	1.32	1.78	1.93	2.08	2.13
Unfinished basement	2.41	1.75	1.95	2.71	2.70	2.83	3.71
No	3.28	1.67	1.83	3.25	2.56	2.70	3.87
Not asked (apartments and mobile homes)	0.00	1.43	1.50	3.02	3.18	3.22	3.76

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	Total Midwest <sup>a</sup>	Total <sup>b</sup>	Heated <sup>c</sup>	Cooled <sup>c</sup>	Total <sup>b</sup>	Heated	Cooled
<b>All homes</b>	0.00	0.75	0.89	1.24	1.13	1.25	1.45
<b>Adequacy of insulation</b>							
Well insulated	3.29	1.67	1.81	2.04	2.34	2.37	2.52
Adequately insulated	1.87	1.26	1.26	1.80	1.91	1.91	2.30
Poorly insulated	3.87	2.25	2.46	3.91	3.36	3.37	4.50
No insulation	14.05	7.78	9.41	13.06	10.76	12.17	13.60
<b>Type of glass in windows</b>							
Single-pane glass	3.11	1.89	1.88	3.12	2.80	2.91	3.49
Double-pane glass	1.47	0.82	1.00	1.09	1.41	1.57	1.63
Triple-pane glass	10.13	5.53	6.00	7.73	7.49	7.56	9.71
<b>Number of household members</b>							
1 member	3.09	2.12	2.08	2.86	2.12	2.08	2.86
2 members	2.28	1.46	1.45	1.99	1.46	1.45	1.99
3 members	4.59	3.33	3.16	4.23	3.33	3.16	4.23
4 members	5.39	2.90	3.12	3.59	2.90	3.12	3.59
5 members	7.66	3.60	4.28	5.43	3.60	4.28	5.43
6 or more members	12.00	4.99	5.48	7.26	4.69	5.21	6.65
<b>2020 annual household income</b>							
Less than \$5,000	10.86	5.87	5.00	9.79	10.08	10.33	14.53
\$5,000 to \$9,999	11.72	6.04	6.55	12.17	8.88	9.41	14.40
\$10,000 to \$19,999	6.55	4.37	4.43	7.65	6.24	6.46	8.01
\$20,000 to \$39,999	3.87	1.60	1.71	3.23	2.70	2.66	3.69
\$40,000 to \$59,999	4.29	2.55	2.48	3.52	3.67	3.56	4.41
\$60,000 to \$99,999	3.08	1.97	1.84	2.49	2.70	2.71	3.04
\$100,000 to \$149,999	4.72	2.47	2.65	2.82	3.25	3.42	3.67
\$150,000 or more	5.18	2.07	2.07	2.42	2.69	2.80	3.14
<b>Ownership of housing unit<sup>h</sup></b>							
Owned	0.87	0.86	0.94	1.30	1.19	1.25	1.44
Rented	2.25	1.52	1.46	3.03	2.46	2.66	3.63

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey  
 Notes: See RECS Terminology for the definitions of terms used in these tables.

<sup>a</sup> *Total Midwest* includes all primary occupied housing units in the Midwest Census Region. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>b</sup> Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See *2020 RECS Square Footage Methodology* for full details about data collection and processing.

<sup>c</sup> When calculating average heated and cooled square footage all housing units are considered, including those that are not heated or cooled.

<sup>d</sup> Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people, while urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

<sup>e</sup> The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold/Cold*.

<sup>f</sup> Households that use propane only for outdoor grilling are excluded from the RECS estimate of households using propane.

<sup>g</sup> *Some other fuel* includes coal and district steam.

<sup>h</sup> *Rented* includes households that occupy their primary housing unit without paying rent.