

**Table HC10.12 Average square footage of South homes, 2020**

	Number of housing units (million)	Average square footage per housing unit		Average square footage per household member			
	Total South <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>	46.84	1,806	1,570	1,516	740	643	621
<b>Census division</b>							
South Atlantic	24.84	1,824	1,558	1,546	759	649	644
East South Central	7.38	1,878	1,673	1,523	804	716	652
West South Central	14.62	1,739	1,539	1,462	678	600	570
<b>Census urban/rural classification<sup>d</sup></b>							
Urban	35.88	1,743	1,498	1,478	708	608	600
Urbanized area	32.00	1,754	1,499	1,497	711	608	607
Urban cluster	3.88	1,658	1,483	1,328	680	608	544
Rural	10.96	2,011	1,807	1,639	847	761	691
<b>Climate region<sup>e</sup></b>							
Very cold/Cold	0.38	1,951	1,728	1,245	894	792	571
Mixed-humid	23.61	1,918	1,737	1,573	794	719	652
Mixed-dry/Hot-dry	1.02	1,678	1,447	1,348	649	560	521
Hot-humid	21.84	1,688	1,393	1,467	684	564	594
Marine	N	N	N	N	N	N	N
<b>Housing unit type</b>							
Single-family detached	30.29	2,185	1,898	1,831	845	734	708
Single-family attached	2.48	1,561	1,356	1,300	670	582	557
Apartments in buildings with 2–4 units	2.36	904	764	757	383	324	321
Apartments in buildings with 5 or more units	7.83	963	811	846	509	429	447
Mobile homes	3.89	1,257	1,169	1,011	494	459	397
<b>Year of construction</b>							
Before 1950	3.73	1,802	1,498	1,264	805	669	565
1950 to 1959	3.55	1,594	1,384	1,229	708	615	546
1960 to 1969	4.35	1,602	1,378	1,304	688	592	560
1970 to 1979	6.97	1,566	1,363	1,304	670	583	558
1980 to 1989	7.44	1,689	1,457	1,417	712	614	597
1990 to 1999	7.75	1,939	1,706	1,707	761	670	670
2000 to 2009	7.74	2,103	1,826	1,819	807	701	698
2010 to 2015	2.94	1,953	1,773	1,744	729	662	651
2016 to 2020	2.38	1,987	1,746	1,768	763	670	679
<b>Number of stories</b>							
1 story	21.41	1,849	1,570	1,510	769	653	628
2 stories	10.25	2,709	2,423	2,348	937	838	812
3 or more stories	0.63	2,658	2,373	2,265	970	866	827
Split-level	0.49	2,135	1,919	1,805	810	728	685
Not asked (apartments and mobile homes)	14.08	1,034	902	877	481	419	408
<b>Fuels used for any use (more than one may apply)</b>							
Electricity	46.84	1,806	1,570	1,516	740	643	621
Natural gas	20.11	2,018	1,810	1,714	802	719	681
Propane <sup>f</sup>	4.18	2,205	1,932	1,780	952	834	768
Wood	3.81	2,234	2,058	1,819	848	781	690
Fuel oil or kerosene	0.64	1,962	1,633	1,231	777	647	488

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<b>All homes</b>	46.84	1,806	1,570	1,516	740	643	621
<b>Distributed solar generation</b>							
Yes	0.67	2,235	1,879	1,958	827	695	724
No	35.98	2,041	1,782	1,703	796	696	665
Not asked (apartments)	10.19	949	800	826	475	400	413
<b>Main space heating fuel</b>							
Natural gas	15.54	2,104	1,928	1,802	843	773	722
Electricity	25.76	1,655	1,522	1,390	685	630	575
Fuel oil or kerosene	0.47	2,179	1,819	1,395	946	790	606
Propane	1.39	2,113	1,840	1,557	1,006	875	741
Wood	0.60	1,792	1,599	1,111	709	632	439
Some other fuel <sup>b</sup>	Q	Q	Q	Q	Q	Q	Q
Does not use heating equipment	3.08	1,371	0	1,204	540	0	474
<b>Air-conditioning equipment</b>							
Uses air-conditioning equipment	44.12	1,828	1,592	1,610	751	654	661
Does not use air-conditioning equipment	2.72	1,444	1,217	0	566	477	0
<b>Fuel used by main water heater</b>							
Natural gas	14.14	2,053	1,838	1,759	801	717	686
Electricity	31.27	1,670	1,430	1,390	699	598	582
Propane	1.27	2,419	2,100	1,964	1,080	938	877
Fuel oil or kerosene	0.09	1,820	1,546	1,171	610	518	392
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	18.08	1,588	1,351	1,301	711	605	582
3 to 5	11.64	1,709	1,485	1,423	718	624	598
6 to 9	8.78	1,871	1,635	1,576	737	644	621
10 to 19	6.43	2,253	2,005	1,953	801	713	694
20 or more	1.91	2,655	2,401	2,371	860	778	768
<b>Total number of rooms (excluding bathrooms)</b>							
1 or 2	1.26	659	552	526	382	320	304
3	2.59	816	652	666	465	372	380
4	5.41	1,040	880	809	515	436	401
5	7.92	1,267	1,072	1,012	541	458	432
6	8.91	1,590	1,364	1,308	644	553	530
7	7.75	1,933	1,692	1,618	758	663	634
8	5.51	2,347	2,045	1,998	871	759	741
9 or more	7.49	3,192	2,854	2,807	1,107	990	974
<b>Number of bedrooms</b>							
0	0.47	796	495	545	397	247	272
1	4.47	773	665	628	532	457	432
2	11.07	1,218	1,031	975	594	503	475
3	20.34	1,817	1,596	1,517	719	632	600
4	8.46	2,679	2,307	2,318	883	761	764
5 or more	2.03	3,759	3,412	3,286	1,066	967	931

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	Total South <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>	46.84	1,806	1,570	1,516	740	643	621
<b>Basement</b>							
Yes	6.01	2,908	2,457	2,247	1,103	932	853
Finished basement	3.98	2,904	2,648	2,467	1,059	966	900
Unfinished basement	2.03	2,916	2,083	1,814	1,201	858	747
No	26.75	1,964	1,723	1,688	770	675	662
Not asked (apartments and mobile homes)	14.08	1,034	902	877	481	419	408
<b>Adequacy of insulation</b>							
Well insulated	14.18	2,103	1,849	1,797	869	764	742
Adequately insulated	24.48	1,768	1,538	1,504	729	634	620
Poorly insulated	7.12	1,455	1,240	1,116	576	492	442
No insulation	1.07	1,067	806	716	419	316	281
<b>Type of glass in windows</b>							
Single-pane glass	19.05	1,473	1,243	1,195	622	525	505
Double-pane glass	27.04	2,038	1,803	1,741	815	721	696
Triple-pane glass	0.75	1,894	1,482	1,560	857	670	706
<b>Number of household members</b>							
1 member	12.59	1,408	1,224	1,137	1,408	1,224	1,137
2 members	17.64	1,876	1,647	1,600	938	824	800
3 members	7.01	1,991	1,737	1,675	664	579	558
4 members	5.64	2,054	1,776	1,745	514	444	436
5 members	2.46	2,088	1,730	1,767	418	346	353
6 or more members	1.51	2,061	1,756	1,693	292	249	240
<b>2020 annual household income</b>							
Less than \$5,000	1.91	1,118	905	731	422	342	276
\$5,000 to \$9,999	1.68	1,104	923	777	501	419	353
\$10,000 to \$19,999	4.15	1,270	1,061	917	623	521	450
\$20,000 to \$39,999	10.18	1,418	1,220	1,147	632	544	512
\$40,000 to \$59,999	7.97	1,679	1,435	1,390	717	613	593
\$60,000 to \$99,999	9.96	1,884	1,668	1,619	745	659	640
\$100,000 to \$149,999	5.48	2,310	2,034	2,034	855	753	753
\$150,000 or more	5.51	2,923	2,587	2,628	1,028	910	924

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	Total South <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>	46.84	1,806	1,570	1,516	740	643	621
<b>Ownership of housing unit<sup>h</sup></b>							
Owned	32.27	2,109	1,846	1,793	851	745	723
Rented	14.57	1,135	959	902	481	406	382

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 South* includes all primary occupied housing units in the South 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 standards errors (RSEs) for Table HC10.12 Average square footage of South 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 South <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	0.69	0.79	0.68	1.11	1.18	1.08
<b>Census division</b>							
South Atlantic	0.00	0.85	0.98	0.98	1.42	1.48	1.50
East South Central	0.00	1.58	1.53	1.64	1.98	1.87	2.02
West South Central	0.00	1.40	1.42	1.57	1.90	1.94	1.87
<b>Census urban/rural classification<sup>d</sup></b>							
Urban	0.61	0.79	0.92	0.85	1.26	1.36	1.27
Urbanized area	0.87	0.87	1.05	0.89	1.30	1.44	1.25
Urban cluster	4.29	2.63	2.49	3.26	3.22	3.13	3.69
Rural	1.99	1.40	1.47	1.56	2.05	2.05	2.10
<b>Climate region<sup>e</sup></b>							
Very cold/Cold	8.76	5.47	6.33	7.80	7.09	6.73	8.61
Mixed-humid	0.61	0.83	0.82	0.95	1.49	1.45	1.54
Mixed-dry/Hot-dry	9.05	7.74	5.90	6.61	9.55	9.23	9.09
Hot-humid	0.71	1.03	1.53	1.14	1.46	1.82	1.45
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	0.83	0.90	0.82	1.26	1.28	1.22
Single-family attached	0.00	2.46	2.83	2.82	3.68	3.94	4.19
Apartments in buildings with 2–4 units	0.00	2.73	3.63	3.91	5.39	6.45	5.96
Apartments in buildings with 5 or more units	0.00	1.44	2.69	1.92	2.76	3.97	2.78
Mobile homes	0.00	1.77	2.22	3.07	3.98	4.42	4.91
<b>Year of construction</b>							
Before 1950	0.00	2.80	2.57	3.85	3.87	3.52	4.52
1950 to 1959	0.00	3.00	3.00	3.35	4.48	5.06	5.21
1960 to 1969	0.00	2.33	2.48	2.66	3.50	3.70	3.82
1970 to 1979	0.00	2.07	2.31	2.19	2.71	3.08	2.90
1980 to 1989	0.00	1.93	2.28	2.02	2.55	2.87	2.56
1990 to 1999	0.00	2.06	2.25	2.24	2.35	2.93	2.73
2000 to 2009	0.00	1.79	2.07	1.87	2.36	2.75	2.35
2010 to 2015	3.94	3.32	3.81	3.39	4.41	4.65	4.35
2016 to 2020	4.87	3.12	3.63	3.19	4.57	4.64	4.43
<b>Number of stories</b>							
1 story	1.03	0.96	0.96	1.01	1.50	1.43	1.41
2 stories	1.99	1.21	1.20	1.27	1.85	1.89	2.02
3 or more stories	9.77	6.25	7.61	6.23	8.81	10.58	8.69
Split-level	10.31	5.60	5.23	6.25	7.70	7.65	9.22
Not asked (apartments and mobile homes)	0.00	1.01	1.72	1.52	1.98	2.59	2.22
<b>Fuels used for any use (more than one may apply)</b>							
Electricity	0.00	0.69	0.79	0.68	1.11	1.18	1.08
Natural gas	1.37	1.13	1.01	1.12	1.73	1.67	1.65
Propane <sup>f</sup>	4.25	2.60	2.60	2.76	3.50	3.55	3.52
Wood	3.89	1.84	1.78	2.62	3.36	3.21	3.63
Fuel oil or kerosene	12.40	5.83	6.50	9.46	10.89	11.44	12.79

Relative standards errors (RSEs) for Table HC10.12 Average square footage of South 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 South <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	0.69	0.79	0.68	1.11	1.18	1.08
<b>Distributed solar generation</b>							
Yes	11.82	6.14	8.62	6.98	7.31	10.82	8.14
No	0.22	0.80	0.82	0.77	1.22	1.17	1.18
Not asked (apartments)	0.00	1.35	2.38	1.83	2.57	3.49	2.54
<b>Main space heating fuel</b>							
Natural gas	1.74	1.19	1.07	1.20	1.84	1.68	1.74
Electricity	1.24	0.90	0.86	0.98	1.45	1.40	1.48
Fuel oil or kerosene	13.81	5.93	6.43	9.79	12.45	12.60	13.88
Propane	5.91	5.28	4.94	5.99	6.42	6.09	6.76
Wood	10.65	5.42	3.93	9.68	8.01	8.13	11.23
Some other fuel <sup>b</sup>	100.58	0.00	0.00	0.00	0.00	0.00	0.00
Does not use heating equipment	6.86	3.30	0.00	3.53	4.59	0.00	4.95
<b>Air-conditioning equipment</b>							
Uses air-conditioning equipment	0.30	0.74	0.83	0.68	1.14	1.21	1.06
Does not use air-conditioning equipment	4.79	3.91	4.32	0.00	5.00	5.05	0.00
<b>Fuel used by main water heater</b>							
Natural gas	1.97	1.38	1.39	1.39	1.82	1.81	1.78
Electricity	1.02	0.90	1.11	1.00	1.43	1.61	1.47
Propane	7.96	5.36	4.94	5.73	5.85	5.24	5.66
Fuel oil or kerosene	27.75	19.02	26.25	32.09	27.84	35.80	37.99
Some other fuel <sup>b</sup>	41.13	20.77	44.86	41.33	39.37	34.56	79.64
<b>Indoor light bulbs used at least 4 hours a day</b>							
0 to 2	1.73	1.14	1.40	1.47	1.56	1.81	1.85
3 to 5	2.14	1.72	1.63	1.49	2.85	2.69	2.46
6 to 9	2.73	1.84	1.84	2.13	2.30	2.37	2.65
10 to 19	3.40	1.80	1.95	1.94	2.67	2.86	2.89
20 or more	6.82	3.64	3.49	3.60	5.07	5.35	5.14
<b>Total number of rooms (excluding bathrooms)</b>							
1 or 2	9.62	4.82	6.87	7.28	18.41	19.65	19.11
3	6.07	2.77	4.59	3.96	5.69	8.03	6.45
4	4.16	1.89	2.27	2.61	2.90	3.34	3.52
5	3.85	1.22	1.77	1.79	2.29	2.47	2.61
6	2.60	1.12	1.53	1.31	2.06	2.27	2.12
7	2.96	1.42	1.71	1.44	2.58	2.78	2.42
8	3.77	1.38	1.74	1.38	2.04	2.34	2.25
9 or more	2.75	1.40	1.47	1.43	2.07	2.10	2.15
<b>Number of bedrooms</b>							
0	16.75	14.90	12.05	12.64	22.87	23.70	19.87
1	4.25	1.89	3.57	2.63	4.66	5.84	5.12
2	2.35	1.28	1.76	1.78	2.07	2.46	2.41
3	1.60	0.96	0.93	0.95	1.63	1.58	1.50
4	3.05	1.26	1.36	1.28	1.95	2.18	2.04
5 or more	5.86	3.03	3.40	3.22	4.79	4.92	4.94

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<b>All homes</b>	0.00	0.69	0.79	0.68	1.11	1.18	1.08
<b>Basement</b>							
Yes	2.77	1.61	1.67	1.79	2.36	2.33	2.44
Finished basement	3.56	1.77	1.81	1.90	2.83	2.80	2.86
Unfinished basement	5.48	2.74	3.16	3.90	3.24	3.43	3.72
No	0.62	0.90	1.02	0.89	1.25	1.31	1.24
Not asked (apartments and mobile homes)	0.00	1.01	1.72	1.52	1.98	2.59	2.22
<b>Adequacy of insulation</b>							
Well insulated	2.24	1.42	1.66	1.42	1.91	2.24	1.99
Adequately insulated	1.29	0.95	1.08	1.04	1.71	1.85	1.77
Poorly insulated	3.80	2.35	2.36	2.81	3.16	3.38	3.48
No insulation	9.81	5.00	7.63	7.04	8.58	9.72	9.65
<b>Type of glass in windows</b>							
Single-pane glass	1.68	1.28	1.55	1.49	1.78	1.98	1.92
Double-pane glass	1.18	0.87	0.97	0.83	1.40	1.36	1.32
Triple-pane glass	11.09	6.15	8.96	7.77	8.46	10.23	9.99
<b>Number of household members</b>							
1 member	2.07	1.48	1.63	1.88	1.48	1.63	1.88
2 members	1.50	1.11	1.32	1.17	1.11	1.32	1.17
3 members	2.94	2.30	2.19	2.32	2.30	2.19	2.32
4 members	3.52	2.08	2.46	2.44	2.08	2.46	2.44
5 members	6.83	3.96	4.24	4.17	3.96	4.24	4.17
6 or more members	7.69	4.23	4.81	4.54	5.21	5.52	5.71
<b>2020 annual household income</b>							
Less than \$5,000	7.49	5.05	5.26	7.23	7.68	8.05	8.92
\$5,000 to \$9,999	7.81	3.79	4.66	5.84	6.74	7.17	9.00
\$10,000 to \$19,999	4.55	2.95	2.86	3.50	3.82	4.26	4.63
\$20,000 to \$39,999	2.82	1.83	1.92	2.17	2.39	2.46	2.75
\$40,000 to \$59,999	3.07	2.02	2.13	2.03	2.58	2.73	2.75
\$60,000 to \$99,999	2.86	1.52	1.80	1.49	2.16	2.47	2.09
\$100,000 to \$149,999	3.33	1.84	1.81	1.71	2.22	2.29	2.06
\$150,000 or more	2.93	1.67	2.19	1.83	2.02	2.32	2.04

**Relative standards errors (RSEs) for Table HC10.12 Average square footage of South 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 South <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	0.69	0.79	0.68	1.11	1.18	1.08
<b>Ownership of housing unit<sup>h</sup></b>							
Owned	0.71	0.81	0.82	0.76	1.27	1.29	1.22
Rented	1.57	1.31	1.54	1.64	2.02	2.23	2.15

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 South* includes all primary occupied housing units in the South 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.