

Table HC10.10 Average square footage of Northeast homes, 2020

	Number of housing units (million)	Average square footage per housing unit			Average square footage per household member		
	Total Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated	Cooled
All homes	21.92	1,827	1,601	1,002	752	659	413
Census division							
New England	5.88	1,930	1,645	839	782	666	340
Middle Atlantic	16.04	1,789	1,584	1,062	741	657	440
Census urban/rural classification^d							
Urban	18.56	1,711	1,514	998	700	619	408
Urbanized area	17.30	1,701	1,508	1,016	690	612	412
Urban cluster	1.25	1,845	1,594	738	856	739	342
Rural	3.36	2,469	2,080	1,025	1,058	892	439
Climate region^e							
Very cold/Cold	13.69	1,975	1,713	994	834	723	420
Mixed-humid	8.23	1,581	1,415	1,014	626	560	401
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
Housing unit type							
Single-family detached	11.23	2,520	2,136	1,367	953	808	517
Single-family attached	1.95	1,804	1,568	1,061	669	581	393
Apartments in buildings with 2–4 units	3.15	1,040	1,026	518	416	410	207
Apartments in buildings with 5 or more units	5.10	869	842	516	479	464	284
Mobile homes	0.50	1,081	1,056	572	471	460	249
Year of construction							
Before 1950	7.15	1,711	1,472	740	735	632	318
1950 to 1959	3.02	1,795	1,559	966	738	641	397
1960 to 1969	2.56	1,767	1,566	1,043	733	649	432
1970 to 1979	2.62	1,713	1,509	951	704	621	391
1980 to 1989	2.20	1,831	1,629	1,053	771	686	444
1990 to 1999	1.80	2,105	1,878	1,278	778	695	473
2000 to 2009	1.58	2,278	2,041	1,574	861	771	594
2010 to 2015	0.56	1,874	1,656	1,456	785	694	610
2016 to 2020	0.43	2,126	1,807	1,567	856	727	631
Number of stories							
1 story	3.65	2,201	1,801	1,056	950	777	456
2 stories	8.26	2,500	2,141	1,411	909	778	513
3 or more stories	0.85	2,607	2,335	1,605	856	767	527
Split-level	0.42	2,173	1,907	1,299	767	673	458
Not asked (apartments and mobile homes)	8.74	942	920	520	451	440	249
Fuels used for any use (more than one may apply)							
Electricity	21.92	1,827	1,601	1,002	752	659	413
Natural gas	14.59	1,739	1,545	1,037	705	626	420
Propane ^f	2.58	2,384	2,035	1,156	957	817	464
Wood	2.28	2,541	2,186	1,196	912	785	429
Fuel oil or kerosene	4.47	2,170	1,835	921	877	742	372

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	Total Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated	Cooled
All homes	21.92	1,827	1,601	1,002	752	659	413
Distributed solar generation							
Yes	0.72	2,347	1,989	1,292	791	670	435
No	12.96	2,366	2,017	1,294	903	770	494
Not asked (apartments)	8.24	934	912	517	450	439	249
Main space heating fuel							
Natural gas	12.24	1,822	1,628	1,111	732	655	447
Electricity	3.99	1,319	1,177	756	611	545	350
Fuel oil or kerosene	4.07	2,175	1,836	919	885	747	374
Propane	0.99	2,359	2,046	1,236	889	772	466
Wood	0.47	2,341	1,907	684	927	756	271
Some other fuel ^b	Q	Q	Q	Q	Q	Q	Q
Does not use heating equipment	0.12	982	0	427	Q	0	Q
Air-conditioning equipment							
Uses air-conditioning equipment	19.50	1,857	1,632	1,126	750	659	455
Does not use air-conditioning equipment	2.42	1,581	1,348	0	776	661	0
Fuel used by main water heater							
Natural gas	11.41	1,797	1,599	1,082	729	649	439
Electricity	7.18	1,675	1,468	886	720	631	381
Propane	0.84	2,466	2,023	1,134	949	779	437
Fuel oil or kerosene	2.38	2,202	1,859	923	905	764	379
Some other fuel ^b	0.11	1,889	1,675	928	485	430	238
Indoor light bulbs used at least 4 hours a day							
0 to 2	8.39	1,596	1,390	796	741	646	370
3 to 5	5.62	1,736	1,513	911	735	640	385
6 to 9	4.19	1,876	1,637	1,038	731	638	405
10 to 19	2.89	2,292	2,026	1,412	799	706	492
20 or more	0.84	2,896	2,652	2,072	854	782	611
Total number of rooms (excluding bathrooms)							
1 or 2	1.09	627	587	460	463	433	339
3	2.21	777	743	453	480	458	279
4	3.17	1,025	953	517	478	445	241
5	3.19	1,420	1,237	685	604	526	291
6	3.54	1,887	1,568	936	754	627	374
7	2.93	2,198	1,886	1,146	840	721	438
8	2.35	2,442	2,164	1,348	852	755	470
9 or more	3.45	3,199	2,811	1,974	1,038	912	641
Number of bedrooms							
0	0.39	700	683	427	540	527	330
1	3.65	800	753	434	544	512	295
2	5.74	1,317	1,194	687	614	557	321
3	7.39	2,069	1,755	1,036	769	652	385
4	3.69	2,761	2,403	1,643	889	774	529
5 or more	1.06	3,591	3,190	2,393	1,032	916	687

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	Total Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated	Cooled
All homes	21.92	1,827	1,601	1,002	752	659	413
Basement							
Yes	11.19	2,537	2,120	1,344	945	790	501
Finished basement	5.70	2,565	2,296	1,554	896	802	543
Unfinished basement	5.49	2,508	1,937	1,126	1,004	775	451
No	1.99	1,718	1,671	1,194	694	675	482
Not asked (apartments and mobile homes)	8.74	942	920	520	451	440	249
Adequacy of insulation							
Well insulated	5.82	2,165	1,875	1,302	907	786	546
Adequately insulated	11.18	1,821	1,604	976	745	656	399
Poorly insulated	4.17	1,485	1,313	758	611	540	312
No insulation	0.75	1,191	1,012	419	484	411	170
Type of glass in windows							
Single-pane glass	6.60	1,432	1,254	710	641	561	318
Double-pane glass	15.01	1,988	1,742	1,121	793	695	447
Triple-pane glass	0.30	2,472	2,160	1,458	898	784	530
Number of household members							
1 member	6.02	1,341	1,154	635	1,341	1,154	635
2 members	7.96	1,937	1,695	1,025	969	847	512
3 members	3.53	1,973	1,727	1,118	658	576	373
4 members	2.76	2,178	1,937	1,372	545	484	343
5 members	0.91	2,270	2,052	1,457	454	410	291
6 or more members	0.75	2,046	1,816	1,245	298	265	182
2020 annual household income							
Less than \$5,000	0.66	1,188	1,010	526	423	360	187
\$5,000 to \$9,999	0.69	1,006	889	387	576	509	222
\$10,000 to \$19,999	1.77	1,248	1,121	513	608	547	250
\$20,000 to \$39,999	3.36	1,450	1,258	662	702	609	321
\$40,000 to \$59,999	3.04	1,601	1,394	728	704	613	320
\$60,000 to \$99,999	5.03	1,827	1,581	942	761	659	392
\$100,000 to \$149,999	3.29	2,048	1,800	1,209	764	671	451
\$150,000 or more	4.09	2,618	2,321	1,782	907	804	618

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	Number of housing units (million)	Average square footage per housing unit			Average square footage per household member		
		Total Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated
All homes	21.92	1,827	1,601	1,002	752	659	413
Ownership of housing unit^h							
Owned	13.77	2,314	1,993	1,293	898	774	502
Rented	8.15	1,004	938	511	461	431	234

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.

^a *Total Northeast* includes all primary occupied housing units in the Northeast Census Region. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

^b 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.

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

^d 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.

^e 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*.

^f Households that use propane only for outdoor grilling are excluded from the RECS estimate of households using propane.

^g *Some other fuel* includes coal and district steam.

^h *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 HC10.10 Average square footage of Northeast 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 Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated	Cooled
All homes	0.00	0.88	0.98	1.74	1.18	1.23	1.72
Census division							
New England	0.00	1.35	1.43	2.33	1.87	1.86	2.34
Middle Atlantic	0.00	1.17	1.26	2.14	1.54	1.57	2.15
Census urban/rural classification^d							
Urban	0.56	1.07	1.12	1.86	1.44	1.48	2.00
Urbanized area	0.59	1.18	1.20	1.91	1.51	1.52	2.04
Urban cluster	6.76	3.63	3.37	7.91	5.54	5.35	7.90
Rural	3.09	2.29	2.49	4.84	3.41	3.59	5.19
Climate region^e							
Very cold/Cold	1.29	0.99	1.08	2.10	1.47	1.48	2.04
Mixed-humid	2.15	1.92	1.94	2.77	2.47	2.41	2.93
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
Housing unit type							
Single-family detached	0.00	1.13	1.23	2.24	1.55	1.56	2.35
Single-family attached	0.00	2.49	2.71	4.41	4.42	4.48	6.00
Apartments in buildings with 2–4 units	0.00	2.75	2.97	5.94	4.84	4.86	6.35
Apartments in buildings with 5 or more units	0.00	1.77	1.94	3.64	2.36	2.37	3.65
Mobile homes	0.00	4.07	4.76	9.41	10.87	12.03	13.93
Year of construction							
Before 1950	0.00	2.18	2.25	4.28	3.26	3.30	4.80
1950 to 1959	0.00	2.51	2.46	4.16	3.55	3.46	4.91
1960 to 1969	0.00	4.15	3.99	6.34	3.96	3.52	5.63
1970 to 1979	0.00	3.22	3.14	5.08	3.90	3.78	5.44
1980 to 1989	0.00	2.98	2.72	4.91	4.41	4.22	5.93
1990 to 1999	0.00	3.54	3.57	5.45	5.08	5.14	6.58
2000 to 2009	0.00	4.48	4.51	5.73	4.98	4.83	5.82
2010 to 2015	7.00	7.34	7.23	7.81	6.94	6.51	7.13
2016 to 2020	9.20	8.21	8.06	9.08	8.89	8.86	9.93
Number of stories							
1 story	3.36	1.95	2.17	4.15	2.78	2.80	4.27
2 stories	1.38	1.15	1.29	2.24	1.57	1.67	2.45
3 or more stories	7.40	4.69	4.90	7.03	7.93	8.06	9.42
Split-level	13.04	6.51	6.45	11.11	8.00	7.43	10.25
Not asked (apartments and mobile homes)	0.00	1.46	1.57	2.95	2.54	2.51	3.14
Fuels used for any use (more than one may apply)							
Electricity	0.00	0.88	0.98	1.74	1.18	1.23	1.72
Natural gas	0.98	1.27	1.35	2.18	1.73	1.78	2.32
Propane ^f	4.90	2.06	2.51	4.72	3.27	3.52	5.32
Wood	3.85	2.13	2.20	4.07	3.52	3.53	4.59
Fuel oil or kerosene	3.69	2.15	2.05	3.73	3.02	2.88	4.36

Relative standard errors (RSEs) for Table HC10.10 Average square footage of Northeast 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 Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated	Cooled
All homes	0.00	0.88	0.98	1.74	1.18	1.23	1.72
Distributed solar generation							
Yes	7.94	3.86	4.31	6.28	6.69	7.02	8.33
No	0.44	1.06	1.18	2.01	1.40	1.40	2.06
Not asked (apartments)	0.00	1.57	1.70	3.17	2.61	2.58	3.39
Main space heating fuel							
Natural gas	1.51	1.39	1.46	2.53	1.88	1.91	2.70
Electricity	4.25	2.92	3.12	4.11	3.30	3.34	4.42
Fuel oil or kerosene	3.90	2.30	2.25	4.24	3.16	2.98	4.85
Propane	8.29	3.87	4.15	8.03	5.81	6.37	9.79
Wood	10.55	6.09	6.05	13.06	7.85	7.91	14.23
Some other fuel ^b	39.10	27.16	25.13	54.13	31.99	26.82	51.37
Does not use heating equipment	27.39	13.51	0.00	31.84	52.57	0.00	50.48
Air-conditioning equipment							
Uses air-conditioning equipment	0.66	0.91	1.05	1.66	1.31	1.38	1.82
Does not use air-conditioning equipment	5.35	3.17	3.14	0.00	4.38	4.19	0.00
Fuel used by main water heater							
Natural gas	1.45	1.49	1.52	2.62	1.99	2.03	2.82
Electricity	2.25	1.89	2.15	3.47	2.24	2.33	3.47
Propane	8.32	4.04	3.86	8.01	5.33	5.12	8.91
Fuel oil or kerosene	5.63	3.45	3.22	4.63	4.51	4.36	5.57
Some other fuel ^b	23.92	14.52	17.84	25.80	29.04	32.54	31.14
Indoor light bulbs used at least 4 hours a day							
0 to 2	2.60	1.67	1.73	3.11	2.21	2.19	3.40
3 to 5	3.40	2.49	2.50	4.09	3.15	3.03	3.97
6 to 9	4.46	2.28	2.23	3.72	2.76	2.78	3.63
10 to 19	5.13	3.03	3.06	4.45	4.38	4.40	5.37
20 or more	8.10	4.13	4.42	5.90	5.90	6.05	7.53
Total number of rooms (excluding bathrooms)							
1 or 2	9.51	4.15	5.15	8.16	8.31	9.61	11.11
3	6.67	2.09	2.04	4.76	4.10	4.04	5.20
4	4.66	2.03	2.16	4.41	4.00	4.07	5.42
5	4.67	1.94	2.01	4.05	3.10	3.05	4.37
6	4.10	1.79	1.75	3.91	2.99	2.87	4.21
7	3.74	1.75	2.02	3.62	2.64	2.82	4.08
8	5.06	1.40	1.73	3.61	2.40	2.34	3.47
9 or more	4.50	1.74	1.89	3.28	2.93	2.97	3.96
Number of bedrooms							
0	16.15	11.51	11.83	17.40	10.27	10.62	18.05
1	3.63	1.90	1.91	3.61	3.56	3.56	4.29
2	3.52	1.45	1.63	3.11	1.91	2.18	3.43
3	2.42	1.03	1.18	2.58	1.67	1.75	2.71
4	3.70	1.66	1.96	3.19	2.62	2.74	3.56
5 or more	8.03	3.32	3.54	5.27	5.66	5.84	6.88

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All homes	0.00	0.88	0.98	1.74	1.18	1.23	1.72
Basement							
Yes	0.91	1.05	1.22	2.23	1.53	1.61	2.40
Finished basement	2.08	1.46	1.69	2.91	2.29	2.35	3.18
Unfinished basement	2.61	1.45	1.59	3.26	2.32	2.23	3.36
No	5.11	2.58	2.61	4.09	2.83	2.88	4.31
Not asked (apartments and mobile homes)	0.00	1.46	1.57	2.95	2.54	2.51	3.14
Adequacy of insulation							
Well insulated	3.36	2.01	2.18	3.23	2.52	2.69	3.63
Adequately insulated	1.84	1.30	1.36	2.13	1.93	1.91	2.43
Poorly insulated	3.71	2.71	2.84	4.68	3.25	3.26	4.67
No insulation	12.32	7.68	6.49	12.30	11.48	10.51	12.35
Type of glass in windows							
Single-pane glass	2.69	1.91	2.15	3.91	2.39	2.39	3.86
Double-pane glass	1.17	1.18	1.28	2.05	1.51	1.59	2.03
Triple-pane glass	14.06	9.87	10.27	16.65	11.86	12.35	17.15
Number of household members							
1 member	2.99	1.95	1.96	3.82	1.95	1.96	3.82
2 members	2.54	1.80	1.85	2.79	1.80	1.85	2.79
3 members	3.66	2.56	2.61	4.27	2.56	2.61	4.27
4 members	5.11	2.32	2.23	3.55	2.32	2.23	3.55
5 members	8.00	4.46	4.98	7.15	4.46	4.98	7.15
6 or more members	10.62	5.27	5.24	7.56	5.59	5.52	7.64
2020 annual household income							
Less than \$5,000	12.39	6.54	5.15	13.60	8.63	6.73	12.03
\$5,000 to \$9,999	10.11	7.57	7.33	10.69	8.28	8.72	10.04
\$10,000 to \$19,999	7.27	3.49	3.75	7.40	6.15	6.24	8.45
\$20,000 to \$39,999	5.04	2.78	2.79	4.64	3.35	3.34	4.76
\$40,000 to \$59,999	4.76	2.98	2.75	4.87	3.79	3.79	5.13
\$60,000 to \$99,999	3.55	1.93	2.07	3.70	2.64	2.65	4.04
\$100,000 to \$149,999	3.99	2.43	2.33	3.35	2.84	2.63	3.75
\$150,000 or more	3.22	2.26	2.54	3.21	2.70	2.78	3.47

Relative standard errors (RSEs) for Table HC10.10 Average square footage of Northeast homes, 2020

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	Total Northeast ^a	Total ^b	Heated ^c	Cooled ^c	Total ^b	Heated	Cooled
All homes	0.00	0.88	0.98	1.74	1.18	1.23	1.72
Ownership of housing unit^h							
Owned	1.01	1.14	1.22	1.99	1.53	1.58	2.16
Rented	1.70	1.59	1.64	3.16	2.19	2.28	3.24

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.

^a *Total Northeast* includes all primary occupied housing units in the Northeast Census Region. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

^b 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.

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

^d 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.

^e 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*.

^f Households that use propane only for outdoor grilling are excluded from the RECS estimate of households using propane.

^g *Some other fuel* includes coal and district steam.

^h *Rented* includes households that occupy their primary housing unit without paying rent.