Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

Number of housing units (million)

	Total U.S.[a]	Northeast Census Region			Midwest Census Region		
		Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	132.54	22.93	6.20	16.73	28.49	19.47	9.02
Census urban-rural classification[b]							
Urban	106.30	19.13	5.06	14.07	21.60	15.01	6.59
Rural	26.23	3.80	1.14	2.66	6.88	4.46	2.43
Climate region[c]							
Very cold/Cold	42.10	13.54	6.20	7.34	21.24	15.82	5.43
Mixed-humid	42.02	9.39	N	9.39	7.24	3.65	3.59
Mixed-dry/Hot-dry	16.28	N	N	N	N	N	N
Hot-humid	25.15	N	N	N	N	N	N
Marine	6.98	N	N	N	N	N	N
Housing unit type							
Single-family detached	82.51	11.67	3.51	8.16	19.49	13.20	6.29
Single-family attached	8.65	2.14	0.35	1.79	1.53	1.03	0.50
Apartment in a building with 2-4 units	9.69	3.20	1.02	2.17	1.93	1.45	0.48
Apartment in a building with 5 or more units	25.05	5.43	1.18	4.25	4.61	3.17	1.43
Mobile home	6.64	0.49	0.14	0.35	0.93	0.62	0.32
Year of construction							
Before 1950	20.25	7.22	1.86	5.36	6.07	4.32	1.74
1950 to 1959	12.17	2.92	0.63	2.28	3.18	2.34	0.84
1960 to 1969	12.73	2.58	0.64	1.94	3.01	2.14	0.87
1970 to 1979	18.09	2.62	0.77	1.84	3.97	2.70	1.27
1980 to 1989	16.60	2.29	0.78	1.52	2.78	1.82	0.95
1990 to 1999	15.89	1.74	0.50	1.24	3.28	2.25	1.03
2000 to 2009	18.28	1.80	0.52	1.28	3.37	2.23	1.14
2010 to 2019	12.48	1.21	0.35	0.86	1.98	1.12	0.86
2020 to 2024	6.06	0.56	0.15	0.41	0.85	0.54	0.31
Number of stories							
One story	50.14	3.92	1.09	2.83	10.64	6.84	3.80
Two stories	35.67	8.73	2.48	6.24	8.70	6.33	2.37
Three or more stories	3.01	0.75	0.20	0.54	0.81	0.58	0.23
Split-level	2.34	0.42	0.08	0.34	0.86	0.47	0.39
Not asked (apartments and mobile homes)	41.38	9.12	2.35	6.77	7.47	5.24	2.23
Major outside wall construction							
Siding (aluminum, fiber cement, vinyl, or steel)	48.12	10.55	3.07	7.48	15.07	10.10	4.97
Brick	36.50	6.67	0.90	5.78	8.08	6.43	1.65
Wood	19.96	3.39	1.72	1.68	3.61	1.98	1.63
Stucco	16.90	0.33	Q	0.31	0.58	0.20	0.38
Concrete block	6.90	0.80	0.09	0.72	0.41	0.31	0.10
Shingle (composition)	2.26	0.74	0.35	0.39	0.43	0.29	0.13
Stone	1.63	0.36	0.04	0.32	0.28	0.14	0.14
Some other material	0.27	Q	Q	Q	Q	Q	Q

Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

Number of housing units (million)

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	132.54	22.93	6.20	16.73	28.49	19.47	9.02
Major roofing material							
Shingles (composition or asphalt)	100.67	18.71	5.17	13.54	22.65	14.88	7.77
Metal	12.42	1.70	0.38	1.32	2.32	1.54	0.78
Wood shingles or shakes	4.31	0.85	0.31	0.54	1.23	1.07	0.16
Ceramic or clay tiles	6.27	0.32	0.12	0.20	1.59	1.55	Q
Concrete tiles	4.68	0.54	Q	0.51	0.23	Q	Q
Slate or synthetic slate	1.95	0.41	0.10	0.31	0.28	0.21	Q
Some other material	2.23	0.40	0.08	0.32	0.19	Q	0.11
Total number of rooms (excluding bathrooms)							
One or two	6.18	1.46	0.37	1.10	0.95	0.70	0.25
Three	9.87	2.45	0.53	1.92	1.86	1.26	0.60
Four	16.92	3.28	0.97	2.31	3.22	2.25	0.97
Five	19.80	3.31	0.91	2.39	4.38	3.02	1.37
Six	23.40	3.73	1.03	2.71	4.78	3.45	1.33
Seven	20.12	2.95	0.80	2.16	4.43	3.03	1.40
Eight	15.11	2.51	0.69	1.82	3.47	2.47	1.00
Nine or more	21.14	3.23	0.91	2.33	5.40	3.30	2.10
Number of bedrooms							
None	2.59	0.62	0.15	0.47	0.36	0.28	0.09
One	14.12	3.35	0.75	2.60	2.61	1.77	0.84
Two	32.46	6.26	1.85	4.40	7.17	5.00	2.17
Three	51.41	8.00	2.08	5.91	11.03	7.59	3.44
Four	24.53	3.61	1.03	2.58	5.68	3.86	1.81
Five or more	7.42	1.09	0.33	0.76	1.64	0.97	0.68
Number of other rooms (excluding bathrooms)							
One	11.93	2.42	0.63	1.79	1.89	1.35	0.54
Two	29.92	6.05	1.59	4.46	5.90	4.07	1.83
Three	34.93	5.59	1.47	4.12	7.50	5.36	2.13
Four	27.48	4.28	1.28	3.00	6.08	4.11	1.98
Five or more	28.27	4.60	1.24	3.36	7.12	4.58	2.54
Number of full bathrooms							
None	0.25	Q	Q	Q	Q	Q	Q
One	51.16	12.86	3.46	9.41	12.82	9.28	3.54
Two	61.99	8.08	2.21	5.88	11.83	7.98	3.85
Three or more	19.14	1.93	0.53	1.40	3.80	2.18	1.62
Number of half bathrooms							
None	92.36	15.23	4.02	11.21	18.93	12.73	6.19
One	37.43	7.20	2.05	5.16	8.91	6.30	2.61
Two or more	2.75	0.49	0.14	0.36	0.65	0.43	0.22

Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

Number of housing units (million)

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	132.54	22.93	6.20	16.73	28.49	19.47	9.02
Basement							
Yes	39.14	11.83	3.47	8.36	16.44	10.89	5.55
Finished basement	23.04	5.63	1.59	4.04	9.75	6.00	3.74
Unfinished basement	16.10	6.20	1.89	4.31	6.70	4.89	1.81
No	52.02	1.98	0.38	1.60	4.57	3.33	1.24
Not asked (apartments and mobile homes)	41.38	9.12	2.35	6.77	7.47	5.24	2.23
Attic							
Yes	63.11	9.30	2.60	6.70	14.11	9.59	4.51
Finished attic	9.06	1.59	0.36	1.23	1.65	1.16	0.50
Unfinished attic	54.05	7.70	2.24	5.46	12.45	8.44	4.02
No	28.05	4.51	1.26	3.26	6.91	4.63	2.28
Not asked (apartments and mobile homes)	41.38	9.12	2.35	6.77	7.47	5.24	2.23
Attached garage							
Yes	56.90	7.14	1.92	5.22	12.60	8.23	4.37
One-car garage	12.13	2.86	0.61	2.25	2.14	1.21	0.92
Two-car garage	36.86	3.91	1.19	2.72	8.12	5.72	2.40
Three or more car garage	7.91	0.38	0.12	0.26	2.34	1.30	1.04
No	34.26	6.66	1.93	4.73	8.42	6.00	2.42
Not asked (apartments and mobile homes)	41.38	9.12	2.35	6.77	7.47	5.24	2.23
Adequacy of insulation							
Well insulated	38.32	5.81	1.81	4.00	7.57	5.07	2.50
Adequately insulated	67.44	11.72	2.97	8.75	15.22	10.20	5.02
Poorly insulated	23.33	4.73	1.27	3.46	5.06	3.70	1.36
Not insulated	3.44	0.67	0.15	0.52	0.64	0.50	0.14
Home is too drafty during the winter							
Never	59.52	8.14	2.34	5.80	11.03	7.43	3.60
Some of the time	54.78	10.83	2.77	8.06	12.94	8.86	4.08
Most of the time	11.49	2.64	0.71	1.93	2.86	2.03	0.83
All of the time	6.75	1.32	0.39	0.93	1.65	1.15	0.50
Any ceilings higher than 8 feet							
Yes	65.10	9.49	2.69	6.80	13.11	8.60	4.51
No	67.43	13.44	3.51	9.92	15.37	10.87	4.51

Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

Number of housing units (million)

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	132.54	22.93	6.20	16.73	28.49	19.47	9.02
Number of windows							
1 to 2	7.77	0.92	0.32	0.61	1.73	1.15	0.57
3 to 5	19.74	3.35	0.69	2.66	3.55	2.43	1.12
6 to 9	31.18	5.06	1.05	4.01	5.77	3.91	1.86
10 to 15	41.42	6.45	1.77	4.68	10.01	6.99	3.02
16 to 19	14.91	3.21	0.88	2.33	3.41	2.15	1.26
20 to 29	13.33	3.11	1.15	1.96	2.95	2.05	0.90
30 or more	4.19	0.82	0.34	0.48	1.06	0.78	0.28
Type of glass in windows							
Single-pane glass	43.83	6.90	1.64	5.27	8.20	5.57	2.63
Double-pane glass	86.08	15.57	4.43	11.13	19.58	13.49	6.08
Triple-pane glass	2.63	0.46	0.13	0.33	0.71	0.41	0.30
Window frame material							
Metal (aluminum)	48.15	6.56	1.33	5.23	6.52	4.52	2.00
Wood	43.62	8.48	2.58	5.90	11.66	7.79	3.87
Vinyl	34.58	6.82	1.97	4.86	9.10	6.41	2.70
Fiberglass	2.30	0.34	0.09	0.25	0.40	0.29	0.11
Composite	3.88	0.72	0.24	0.48	0.81	0.46	0.35
Number of sliding glass or French doors							
None	63.73	12.95	3.37	9.58	14.13	9.66	4.47
One	43.51	6.73	1.85	4.87	9.55	6.48	3.07
Two	16.01	2.17	0.61	1.56	3.22	2.16	1.06
Three or more	9.29	1.08	0.37	0.71	1.58	1.16	0.41
Electricity meter is a smart meter							
Yes	39.66	6.31	1.17	5.14	8.30	5.74	2.56
No	38.22	7.28	2.37	4.91	8.20	5.65	2.55
Don't know	54.65	9.34	2.66	6.68	11.98	8.08	3.91
Park a car within 20 feet of electrical outlet							
Yes	67.76	9.77	2.97	6.80	16.22	10.91	5.31
No	39.72	7.73	2.05	5.68	7.66	5.38	2.28
Not asked (apartments in buildings with 5 or more units)	25.05	5.43	1.18	4.25	4.61	3.17	1.43
Own or lease an all-electric or plug-in hybrid electric vehicle and charging location							
Yes	6.00	0.92	0.33	0.60	0.73	0.52	0.21
Charge at home	4.68	0.70	0.25	0.45	0.66	0.48	0.18
No	126.54	22.00	5.87	16.13	27.76	18.95	8.81

Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

Number of housing units (million)

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	132.54	22.93	6.20	16.73	28.49	19.47	9.02
Experienced power outage lasting at least 24 hours							
Yes	28.72	3.20	1.15	2.05	5.51	4.04	1.48
Natural disaster or weather event	24.40	2.72	1.02	1.70	4.83	3.57	1.26
Unable to pay electric bills	0.52	0.07	Q	Q	Q	Q	Q
Electric utility had a planned or unplanned blackout	3.73	0.40	0.11	0.30	0.61	0.44	0.18
Other	Q	Q	Q	N	N	N	N
No	103.82	19.73	5.05	14.67	22.97	15.43	7.54
Back-up generator in home							
Yes, a whole home or standby generator	6.61	1.52	0.52	1.00	1.39	1.12	0.27
Yes, a portable generator	20.26	3.33	1.18	2.15	4.38	2.98	1.41
No	105.67	18.08	4.50	13.57	22.72	15.37	7.34
Swimming pool							
Yes	9.60	1.64	0.45	1.20	1.26	0.99	0.27
No	88.19	12.66	3.55	9.11	20.69	13.86	6.83
Not asked (apartments)	34.74	8.63	2.21	6.42	6.54	4.62	1.91
Months swimming pool is used							
0 to 3	1.71	0.67	0.15	0.52	0.42	0.33	0.08
4 to 7	2.86	0.98	0.30	0.68	0.79	0.61	0.18
8 to 12	5.03	N	N	N	Q	Q	Q
No swimming pool	88.19	12.66	3.55	9.11	20.69	13.86	6.83
Not asked (apartments)	34.74	8.63	2.21	6.42	6.54	4.62	1.91
Heated swimming pool and fuel							
Heated swimming pool	3.44	0.52	0.14	0.39	0.38	0.30	0.07
Electricity	1.27	0.14	0.06	0.09	0.15	Q	Q
Natural gas	1.51	0.22	Q	0.19	0.15	0.13	Q
Propane	0.28	0.13	0.05	0.08	Q	Q	Q
Some other fuel	0.38	Q	Q	Q	Q	Q	N
Unheated swimming pool	6.17	1.12	0.31	0.81	0.88	0.68	0.20
No swimming pool	88.19	12.66	3.55	9.11	20.69	13.86	6.83
Not asked (apartments)	34.74	8.63	2.21	6.42	6.54	4.62	1.91
Months swimming pool is heated							
0 to 3	2.42	0.40	0.11	0.28	0.19	0.16	Q
4 to 7	0.81	0.13	Q	0.10	0.16	0.11	Q
8 to 12	0.21	N	N	N	Q	Q	N
No heated swimming pool	94.36	13.78	3.86	9.92	21.57	14.54	7.03
Not asked (apartments)	34.74	8.63	2.21	6.42	6.54	4.62	1.91
Hot tub							
Yes	10.08	1.30	0.32	0.98	2.02	1.38	0.64
No	122.45	21.63	5.88	15.75	26.47	18.08	8.38

Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

Number of housing units (million)

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	132.54	22.93	6.20	16.73	28.49	19.47	9.02
Months hot tub is used							
0 to 3	5.24	0.56	0.11	0.45	1.08	0.78	0.30
4 to 7	1.17	0.12	Q	0.09	0.22	0.11	0.11
8 to 12	3.67	0.62	0.18	0.44	0.72	0.50	0.22
No hot tub	122.45	21.63	5.88	15.75	26.47	18.08	8.38
Hot tub heating fuel							
Electricity	5.31	0.78	0.21	0.57	1.14	0.77	0.36
Natural gas	1.33	0.08	Q	0.07	0.13	Q	0.08
Some other fuel	0.33	0.06	Q	Q	Q	Q	Q
Hot tub used zero months	3.12	0.37	0.07	0.30	0.71	0.53	0.18
No hot tub	122.45	21.63	5.88	15.75	26.47	18.08	8.38

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the *2024 Residential Energy Consumption Survey* (RECS)

Note: Because of rounding, data may not sum to totals. See RECS Terminology for the definitions of terms used in these tables.

[a] *Total U.S.* includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

[b] *Census urban-rural classification* is based on categories defined by the U.S. Census Bureau for the 2020 census. Urban areas are densely settled cores of blocks with at least 2,000 housing units or a population of at least 5,000. All other areas are rural.

[c] The Building America program, sponsored by the U.S. Department of Energy, created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very cold/Cold.*

N=No households in reporting sample.

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

Relative standard errors (RSEs) for Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

		RSEs for number of housing units					
		Northeast Census Region			**Midwest Census Region**		
	Total U.S.[a]	**Total Northeast**	**New England**	**Middle Atlantic**	**Total Midwest**	**East North Central**	**West North Central**
All homes	P	P	P	P	P	P	P
Census urban-rural classification[b]							
Urban	0.40	0.82	0.93	0.97	1.08	1.48	1.67
Rural	1.61	4.15	4.14	5.16	3.38	4.99	4.55
Climate region[c]							
Very cold/Cold	0.71	1.13	P	2.08	0.86	1.15	0.83
Mixed-humid	0.83	1.63	N	1.63	2.51	4.97	1.25
Mixed-dry/Hot-dry	1.23	N	N	N	N	N	N
Hot-humid	0.72	N	N	N	N	N	N
Marine	2.91	N	N	N	N	N	N
Housing unit type							
Single-family detached	P	0.16	0.69	0.37	0.09	P	0.29
Single-family attached	P	P	P	P	P	P	P
Apartment in a building with 2-4 units	P	P	P	P	P	P	P
Apartment in a building with 5 or more units	P	P	P	P	P	P	P
Mobile home	P	3.70	17.47	8.56	1.96	P	5.77
Year of construction							
Before 1950	P	P	P	P	P	P	P
1950 to 1959	P	P	P	P	P	P	P
1960 to 1969	P	P	P	P	P	P	P
1970 to 1979	P	P	P	P	P	P	P
1980 to 1989	P	P	P	P	P	P	P
1990 to 1999	P	P	P	P	P	P	P
2000 to 2009	P	P	P	P	P	P	P
2010 to 2019	2.05	4.05	6.08	5.51	4.42	6.24	5.27
2020 to 2024	4.23	8.80	14.41	11.58	10.34	13.05	14.57
Number of stories							
One story	0.92	3.90	5.62	5.05	2.19	3.11	2.84
Two stories	1.36	1.97	2.51	2.32	2.60	3.20	4.20
Three or more stories	5.51	9.66	13.99	11.73	10.35	14.89	18.18
Split-level	7.41	11.41	19.63	13.59	12.88	17.87	14.10
Not asked (apartments and mobile homes)	P	0.20	1.03	0.44	0.24	P	0.82
Major outside wall construction							
Siding (aluminum, fiber cement, vinyl, or steel)	0.99	1.71	3.14	2.28	1.66	2.38	2.48
Brick	1.65	3.10	6.29	3.50	3.08	3.61	6.85
Wood	2.35	4.45	4.20	8.24	5.29	8.54	6.98
Stucco	1.95	15.86	Q	16.38	13.36	28.19	16.03
Concrete block	3.77	12.05	24.60	13.40	19.11	22.65	30.46
Shingle (composition)	5.98	9.29	12.44	14.56	16.81	22.20	24.02
Stone	7.64	15.52	33.13	17.97	21.88	32.65	29.14
Some other material	16.90	Q	Q	Q	Q	Q	Q

Relative standard errors (RSEs) for Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	P	P	P	P	P	P	P
Major roofing material							
Shingles (composition or asphalt)	0.58	0.96	1.18	1.23	1.16	1.60	1.45
Metal	3.07	6.29	9.65	7.15	8.43	10.44	11.44
Wood shingles or shakes	5.37	9.49	11.48	14.35	10.23	11.36	23.21
Ceramic or clay tiles	3.99	16.02	21.61	23.70	8.60	9.16	Q
Concrete tiles	4.92	14.82	Q	15.32	27.73	Q	Q
Slate or synthetic slate	7.62	12.71	23.35	15.49	25.53	29.93	Q
Some other material	7.88	15.05	33.76	15.92	29.56	Q	39.87
Total number of rooms (excluding bathrooms)							
One or two	4.68	7.35	12.91	9.10	13.94	15.96	21.53
Three	2.43	5.20	9.86	6.41	7.82	11.46	11.43
Four	2.28	5.06	5.69	6.62	6.04	7.41	9.20
Five	2.25	5.18	7.22	6.19	4.52	5.91	5.74
Six	1.86	4.32	6.07	5.76	5.48	6.44	7.89
Seven	2.19	4.21	7.50	5.61	4.86	5.67	7.93
Eight	1.94	4.08	6.64	5.24	5.11	6.98	7.77
Nine or more	2.03	3.48	6.33	4.68	4.54	6.41	5.97
Number of bedrooms							
None	6.92	12.68	18.96	15.53	20.07	22.33	32.79
One	2.49	4.54	6.86	4.93	6.58	8.59	8.77
Two	1.61	3.22	4.38	4.41	3.82	5.20	4.83
Three	0.93	2.32	3.57	3.12	2.23	2.96	4.01
Four	1.88	3.71	4.98	4.79	3.83	5.10	5.62
Five or more	3.12	6.70	11.31	8.99	8.06	11.51	11.22
Number of other rooms (excluding bathrooms)							
One	2.87	5.33	8.98	6.82	7.13	8.48	12.76
Two	1.78	3.22	4.91	3.83	4.04	5.56	5.87
Three	1.52	3.28	5.35	4.22	3.63	4.42	6.39
Four	1.77	2.94	5.52	4.05	4.23	4.94	6.08
Five or more	1.70	2.95	4.96	3.73	3.79	5.15	5.47
Number of full bathrooms							
None	20.00	Q	Q	Q	Q	Q	Q
One	0.89	1.34	2.02	1.82	2.35	2.76	3.50
Two	0.87	2.29	3.37	3.02	2.92	3.58	3.56
Three or more	2.13	6.68	7.86	8.27	4.76	6.83	6.33
Number of half bathrooms							
None	0.53	1.06	1.86	1.39	1.32	1.66	2.19
One	1.30	2.36	3.68	3.18	2.75	3.39	5.05
Two or more	5.83	11.78	16.01	15.63	12.54	15.81	19.62

Relative standard errors (RSEs) for Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

RSEs for number of housing units

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	P	P	P	P	P	P	P
Basement							
Yes	0.88	0.89	1.07	1.18	1.20	1.59	1.38
Finished basement	1.62	2.66	3.54	3.26	2.55	3.86	2.93
Unfinished basement	1.73	2.47	3.20	3.02	3.26	4.40	5.32
No	0.66	5.37	7.79	6.22	4.30	5.21	6.18
Not asked (apartments and mobile homes)	P	0.20	1.03	0.44	0.24	P	0.82
Attic							
Yes	0.67	1.68	2.40	2.20	1.66	2.17	2.63
Finished attic	3.15	6.63	9.62	7.74	8.31	10.61	14.19
Unfinished attic	0.95	2.21	2.75	2.90	1.96	2.60	2.83
No	1.51	3.43	4.67	4.43	3.36	4.50	5.25
Not asked (apartments and mobile homes)	P	0.20	1.03	0.44	0.24	P	0.82
Attached garage							
Yes	0.73	2.00	3.43	2.26	1.38	2.08	2.25
One-car garage	2.58	4.97	7.67	5.63	6.70	9.63	7.56
Two-car garage	1.29	3.29	4.37	4.23	2.82	3.30	4.82
Three or more car garage	2.93	12.72	17.25	17.73	5.59	8.59	7.74
No	1.21	2.11	3.37	2.52	2.12	2.86	4.08
Not asked (apartments and mobile homes)	P	0.20	1.03	0.44	0.24	P	0.82
Adequacy of insulation							
Well insulated	1.41	3.26	4.98	4.50	3.06	4.37	5.88
Adequately insulated	1.07	2.10	3.19	2.48	1.76	2.56	3.01
Poorly insulated	2.26	3.26	5.45	4.18	4.42	5.82	7.92
Not insulated	6.25	11.55	18.98	13.81	16.50	17.20	34.22
Home is too drafty during the winter							
Never	0.93	1.96	3.64	2.63	2.35	3.02	3.35
Some of the time	1.03	1.87	3.21	2.34	2.21	2.96	3.07
Most of the time	2.79	4.67	9.18	5.77	6.47	7.86	10.86
All of the time	4.27	7.94	11.60	10.59	9.19	11.36	13.95
Any ceilings higher than 8 feet							
Yes	0.87	2.13	3.05	2.58	1.82	2.70	3.06
No	0.84	1.50	2.33	1.77	1.56	2.14	3.06

Relative standard errors (RSEs) for Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

RSEs for number of housing units

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	P	P	P	P	P	P	P
Number of windows							
1 to 2	3.48	9.44	13.08	12.99	8.50	11.19	12.40
3 to 5	2.23	4.45	8.27	5.17	5.92	7.17	9.31
6 to 9	1.90	3.92	6.50	4.43	3.62	4.90	6.32
10 to 15	1.25	2.80	4.39	3.50	2.94	3.53	4.32
16 to 19	2.15	4.94	5.04	6.73	5.97	7.84	8.12
20 to 29	2.97	4.77	5.31	6.81	6.85	8.06	9.42
30 or more	4.79	9.01	10.13	13.21	11.03	13.11	17.37
Type of glass in windows							
Single-pane glass	1.39	3.01	4.47	3.62	3.33	4.13	4.37
Double-pane glass	0.66	1.35	1.70	1.67	1.39	1.71	1.96
Triple-pane glass	6.19	11.89	16.83	16.18	11.96	17.55	15.52
Window frame material							
Metal (aluminum)	1.11	3.03	5.67	3.39	3.44	4.98	5.98
Wood	1.04	2.86	3.02	3.71	2.03	2.83	3.46
Vinyl	1.56	3.10	4.06	3.73	2.69	3.52	4.63
Fiberglass	7.22	13.85	22.23	17.86	19.67	25.26	24.63
Composite	5.51	10.27	12.49	12.65	14.23	20.40	17.21
Number of sliding glass or French doors							
None	0.89	1.25	2.28	1.50	1.73	2.07	2.92
One	1.40	2.65	4.14	3.26	2.37	2.97	4.52
Two	2.74	5.42	8.81	6.43	6.45	8.75	8.28
Three or more	3.86	7.48	11.49	10.09	9.00	10.91	12.38
Electricity meter is a smart meter							
Yes	1.32	2.61	5.37	3.07	2.84	3.75	4.91
No	1.35	2.70	4.20	3.62	3.47	4.30	5.25
Don't know	1.04	2.28	3.65	2.92	2.63	3.15	4.00
Park a car within 20 feet of electrical outlet							
Yes	0.63	1.67	2.34	2.16	1.50	1.84	2.13
No	1.07	2.11	3.38	2.59	3.17	3.74	4.95
Not asked (apartments in buildings with 5 or more units)	P	P	P	P	P	P	P
Own or lease an all-electric or plug-in hybrid electric vehicle and charging location							
Yes	3.30	9.05	11.49	12.19	11.14	14.47	20.84
Charge at home	3.41	10.92	12.93	13.65	11.46	14.77	21.98
No	0.16	0.38	0.64	0.45	0.29	0.40	0.49

Relative standard errors (RSEs) for Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

RSEs for number of housing units

		Northeast Census Region			Midwest Census Region		
	Total U.S.[a]	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	P	P	P	P	P	P	P
Experienced power outage lasting at least 24 hours							
Yes	1.80	4.52	5.31	6.13	5.07	5.78	8.89
Natural disaster or weather event	1.96	4.96	5.48	7.15	5.08	6.10	8.41
Unable to pay electric bills	16.75	33.20	Q	Q	Q	Q	Q
Electric utility had a planned or unplanned blackout	5.69	13.45	21.23	16.82	13.62	17.25	23.57
Other	Q	Q	Q	N	N	N	N
No	0.50	0.73	1.20	0.86	1.22	1.51	1.74
Back-up generator in home							
Yes, a whole home or standby generator	3.97	5.82	9.10	7.85	9.64	11.43	18.69
Yes, a portable generator	2.10	3.84	4.84	5.05	4.26	5.47	7.03
No	0.45	0.84	1.46	1.01	0.92	1.21	1.56
Swimming pool							
Yes	3.13	5.15	9.78	6.57	8.75	8.97	18.16
No	0.34	0.67	1.24	0.86	0.53	0.64	0.73
Not asked (apartments)	P	P	P	P	P	P	P
Months swimming pool is used							
0 to 3	7.19	10.19	16.38	12.11	18.47	20.16	29.17
4 to 7	4.69	7.35	11.69	8.84	9.39	10.75	23.43
8 to 12	4.51	N	N	N	Q	Q	Q
No swimming pool	0.34	0.67	1.24	0.86	0.53	0.64	0.73
Not asked (apartments)	P	P	P	P	P	P	P
Heated swimming pool and fuel							
Heated swimming pool	5.06	9.76	16.89	11.00	14.82	18.01	33.11
Electricity	9.01	18.26	26.35	28.22	28.04	Q	Q
Natural gas	9.65	15.87	Q	16.89	23.26	26.14	Q
Propane	15.53	21.19	25.55	29.84	Q	Q	Q
Some other fuel	20.52	Q	Q	Q	Q	Q	N
Unheated swimming pool	4.00	6.83	12.24	9.51	11.49	12.63	21.29
No swimming pool	0.34	0.67	1.24	0.86	0.53	0.64	0.73
Not asked (apartments)	P	P	P	P	P	P	P
Months swimming pool is heated							
0 to 3	7.53	11.73	18.50	13.32	25.57	29.33	Q
4 to 7	10.51	22.65	Q	26.33	23.32	29.86	Q
8 to 12	28.35	N	N	N	Q	Q	N
No heated swimming pool	0.18	0.37	0.60	0.43	0.26	0.38	0.34
Not asked (apartments)	P	P	P	P	P	P	P

Relative standard errors (RSEs) for Table HC2.7 Structural and geographic characteristics of U.S. homes in the Northeast and Midwest regions, 2024

RSEs for number of housing units

	Total U.S.[a]	Northeast Census Region			Midwest Census Region		
		Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	P	P	P	P	P	P	P
Hot tub							
Yes	3.21	6.52	9.92	8.13	8.00	10.13	9.70
No	0.26	0.39	0.54	0.50	0.61	0.77	0.73
Months hot tub is used							
0 to 3	4.17	11.18	17.89	12.27	11.53	14.01	16.16
4 to 7	9.37	22.06	Q	28.36	22.35	30.99	28.19
8 to 12	5.83	11.35	15.30	13.70	11.36	14.62	16.38
No hot tub	0.26	0.39	0.54	0.50	0.61	0.77	0.73
Hot tub heating fuel							
Electricity	4.77	8.97	13.28	11.02	10.62	13.99	13.82
Natural gas	9.36	26.86	Q	31.43	26.71	Q	33.63
Some other fuel	18.41	28.65	Q	Q	Q	Q	Q
Hot tub used zero months	5.77	12.91	22.84	13.99	14.57	16.46	24.36
No hot tub	0.26	0.39	0.54	0.50	0.61	0.77	0.73

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the *2024 Residential Energy Consumption Survey* (RECS)

Note: Because of rounding, data may not sum to totals. See RECS Terminology for the definitions of terms used in these tables.

[a] *Total U.S.* includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

[b] *Census urban-rural classification* is based on categories defined by the U.S. Census Bureau for the 2020 census. Urban areas are densely settled cores of blocks with at least 2,000 housing units or a population of at least 5,000. All other areas are rural.

[c] The Building America program, sponsored by the U.S. Department of Energy, created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very cold/Cold.*

P=Estimate is equal to the control total that is used in poststratification and is based on the U.S. Census Bureau's 2024 American Community Survey one-year estimates.

N=No households in reporting sample.

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