

Table HC2.3 Structural and geographic characteristics of U.S. homes, by year of construction, 2024

	Number of housing units (million)									
	Total U.S. ^a	Year of construction								
		Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	132.54	20.25	12.17	12.73	18.09	16.60	15.89	18.28	12.48	6.06
Major roofing material										
Shingles (composition or asphalt)	100.67	15.14	9.99	10.17	13.73	12.43	11.81	13.45	9.27	4.67
Metal	12.42	2.02	1.07	1.05	1.98	1.82	1.67	1.21	1.13	0.49
Wood shingles or shakes	4.31	0.83	0.36	0.33	0.59	0.60	0.36	0.64	0.38	0.22
Ceramic or clay tiles	6.27	0.64	0.22	0.45	0.53	0.84	1.02	1.44	0.81	0.33
Concrete tiles	4.68	0.59	0.18	0.38	0.58	0.54	0.65	1.02	0.48	0.28
Slate or synthetic slate	1.95	0.50	0.19	0.17	0.24	0.13	0.26	0.20	0.23	Q
Some other material	2.23	0.54	0.16	0.18	0.44	0.25	0.12	0.32	0.17	Q
Total number of rooms (excluding bathrooms)										
One or two	6.18	1.17	0.40	0.51	0.72	0.84	0.45	0.72	0.90	0.47
Three	9.87	1.67	0.64	1.06	1.53	1.40	0.80	1.18	1.02	0.56
Four	16.92	2.27	1.62	1.63	2.56	2.61	1.73	2.34	1.48	0.67
Five	19.80	3.16	1.97	2.08	2.87	2.77	2.28	2.30	1.59	0.78
Six	23.40	3.68	2.80	2.46	3.01	2.83	2.74	3.22	1.72	0.94
Seven	20.12	3.14	2.14	2.06	2.97	2.14	2.38	2.54	1.80	0.94
Eight	15.11	2.44	1.33	1.23	1.85	1.78	2.20	2.16	1.47	0.63
Nine or more	21.14	2.72	1.26	1.70	2.57	2.23	3.31	3.81	2.48	1.06
Number of bedrooms										
None	2.59	0.54	0.15	0.20	0.32	0.40	0.24	0.27	0.31	0.17
One	14.12	2.50	0.85	1.50	1.90	1.92	1.14	1.83	1.68	0.80
Two	32.46	5.95	3.09	2.72	4.54	4.86	3.37	3.96	2.77	1.21
Three	51.41	7.13	5.94	5.68	7.34	6.01	6.68	6.59	4.00	2.04
Four	24.53	3.22	1.88	2.01	3.21	2.72	3.36	4.11	2.68	1.35
Five or more	7.42	0.92	0.26	0.61	0.78	0.69	1.09	1.53	1.05	0.50
Number of other rooms (excluding bathrooms)										
One	11.93	1.79	0.96	0.99	1.58	1.55	0.97	1.60	1.56	0.92
Two	29.92	4.19	2.95	3.41	4.72	4.26	2.99	3.72	2.43	1.25
Three	34.93	5.69	3.57	3.55	4.64	4.47	4.24	4.42	2.83	1.52
Four	27.48	4.26	2.63	2.53	3.64	3.24	3.29	4.09	2.68	1.13
Five or more	28.27	4.31	2.07	2.24	3.50	3.09	4.40	4.44	2.97	1.24
Number of full bathrooms										
None	0.25	Q	Q	Q	Q	Q	Q	Q	Q	Q
One	51.16	12.65	6.91	6.52	8.04	5.85	3.57	3.57	2.83	1.23
Two	61.99	6.01	4.45	5.13	8.36	8.48	9.16	10.63	6.47	3.30
Three or more	19.14	1.53	0.79	1.02	1.67	2.25	3.15	4.05	3.16	1.52
Number of half bathrooms										
None	92.36	14.98	9.22	8.84	13.29	11.86	10.14	11.79	8.20	4.03
One	37.43	4.92	2.80	3.68	4.47	4.38	5.30	5.95	3.95	1.98
Two or more	2.75	0.34	0.15	0.21	0.33	0.36	0.45	0.53	0.33	Q
Basement										
Yes	39.14	10.12	5.04	4.22	4.67	3.68	4.31	3.90	2.24	0.95
Finished basement	23.04	3.44	2.95	2.88	3.24	2.60	3.12	2.73	1.48	0.60
Unfinished basement	16.10	6.68	2.09	1.34	1.43	1.09	1.20	1.17	0.76	0.35
No	52.02	4.46	4.96	5.02	7.33	6.55	6.90	8.24	5.54	3.00
Not asked (apartments and mobile homes)	41.38	5.66	2.17	3.48	6.09	6.37	4.67	6.14	4.69	2.10

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	Total U.S. ^a	Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	132.54	20.25	12.17	12.73	18.09	16.60	15.89	18.28	12.48	6.06
Attic										
Yes	63.11	10.02	6.46	6.12	8.00	7.01	8.01	8.75	5.83	2.90
Finished attic	9.06	2.55	1.04	0.71	0.84	0.89	0.87	0.99	0.72	0.45
Unfinished attic	54.05	7.46	5.42	5.41	7.16	6.12	7.15	7.76	5.12	2.45
No	28.05	4.57	3.54	3.12	3.99	3.22	3.20	3.39	1.95	1.06
Not asked (apartments and mobile homes)	41.38	5.66	2.17	3.48	6.09	6.37	4.67	6.14	4.69	2.10
Attached garage										
Yes	56.90	2.90	4.53	5.11	7.78	7.16	8.90	10.35	6.76	3.39
One-car garage	12.13	1.55	2.27	1.89	2.06	1.45	1.12	1.10	0.45	0.23
Two-car garage	36.86	1.20	2.17	3.14	5.23	5.16	6.21	7.03	4.39	2.32
Three or more car garage	7.91	0.15	0.09	0.08	0.50	0.55	1.57	2.22	1.92	0.84
No	34.26	11.68	5.47	4.14	4.21	3.07	2.32	1.79	1.02	0.56
Not asked (apartments and mobile homes)	41.38	5.66	2.17	3.48	6.09	6.37	4.67	6.14	4.69	2.10
Adequacy of insulation										
Well insulated	38.32	3.05	2.52	2.62	3.86	4.54	4.97	6.57	6.80	3.40
Adequately insulated	67.44	9.79	6.20	7.16	10.07	8.89	8.70	9.52	4.84	2.28
Poorly insulated	23.33	6.30	2.96	2.56	3.71	2.73	2.01	2.00	0.74	0.33
Not insulated	3.44	1.10	0.49	0.39	0.46	0.45	0.22	0.19	0.10	Q
Home is too drafty during the winter										
Never	59.52	5.57	4.32	4.93	7.69	7.42	8.36	9.30	7.96	3.97
Some of the time	54.78	9.72	5.77	5.95	7.75	6.71	6.17	7.41	3.62	1.69
Most of the time	11.49	3.21	1.11	1.12	1.68	1.46	0.91	1.14	0.62	0.24
All of the time	6.75	1.75	0.97	0.73	0.97	1.01	0.46	0.42	0.28	0.16
Any ceilings higher than 8 feet										
Yes	65.10	9.24	3.40	3.38	5.98	7.81	9.90	12.31	8.81	4.27
No	67.43	11.01	8.77	9.35	12.11	8.79	5.99	5.96	3.66	1.79
Number of windows										
1 to 2	7.77	0.50	0.21	0.64	1.30	1.46	0.82	1.32	1.03	0.48
3 to 5	19.74	1.98	1.06	1.82	3.07	3.28	2.34	2.91	2.25	1.02
6 to 9	31.18	3.66	2.97	3.04	5.08	4.43	3.53	4.39	2.60	1.47
10 to 15	41.42	6.59	5.23	4.84	5.75	4.69	4.75	4.42	3.45	1.69
16 to 19	14.91	3.13	1.56	1.40	1.55	1.44	1.83	2.09	1.28	0.65
20 to 29	13.33	3.46	0.92	0.90	1.02	1.03	1.77	2.20	1.39	0.64
30 or more	4.19	0.92	0.22	0.08	0.31	0.28	0.85	0.93	0.48	0.11
Type of glass in windows										
Single-pane glass	43.83	8.76	4.50	4.55	6.58	5.98	4.78	5.12	2.33	1.24
Double-pane glass	86.08	11.23	7.49	7.95	11.12	10.22	10.78	12.81	9.85	4.64
Triple-pane glass	2.63	0.26	0.18	0.23	0.39	0.41	0.33	0.35	0.30	0.18
Window frame material										
Metal (aluminum)	48.15	5.05	3.48	4.97	7.12	7.22	5.54	7.78	5.36	1.64
Wood	43.62	9.39	4.69	3.70	5.65	4.91	5.96	4.76	3.15	1.41
Vinyl	34.58	5.04	3.37	3.60	4.66	3.76	3.70	4.70	3.23	2.52
Fiberglass	2.30	0.19	0.19	0.20	0.31	0.22	0.22	0.41	0.32	0.24
Composite	3.88	0.58	0.44	0.24	0.35	0.50	0.47	0.64	0.42	0.26

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All homes	132.54	20.25	12.17	12.73	18.09	16.60	15.89	18.28	12.48	6.06
Number of sliding glass or French doors										
None	63.73	14.70	7.54	6.55	7.49	6.34	5.89	7.08	5.49	2.64
One	43.51	3.59	2.81	3.99	6.78	6.08	6.00	7.15	4.76	2.34
Two	16.01	1.13	1.16	1.26	2.50	2.62	2.57	2.58	1.51	0.66
Three or more	9.29	0.82	0.65	0.92	1.33	1.56	1.42	1.47	0.71	0.42
Electricity meter is a smart meter										
Yes	39.66	5.89	3.94	3.85	5.60	4.80	5.13	5.20	3.51	1.75
No	38.22	5.98	3.31	4.10	5.22	4.81	4.56	5.51	3.32	1.42
Don't know	54.65	8.38	4.92	4.77	7.27	7.00	6.20	7.58	5.65	2.89
Park a car within 20 feet of electrical outlet										
Yes	67.76	8.64	6.22	6.39	9.01	7.74	9.44	10.23	6.86	3.23
No	39.72	8.54	4.86	4.18	5.42	4.92	4.08	4.08	2.31	1.34
Not asked (apartments in buildings with 5 or more units)	25.05	3.07	1.09	2.16	3.67	3.94	2.37	3.97	3.31	1.48
Own or lease an all-electric or plug-in hybrid electric vehicle and charging location										
Yes	6.00	0.69	0.59	0.42	0.58	0.75	0.73	0.93	0.85	0.45
Charge at home	4.68	0.55	0.56	0.34	0.36	0.47	0.63	0.76	0.68	0.33
No	126.54	19.55	11.58	12.30	17.51	15.85	15.16	17.35	11.63	5.61
Experienced power outage lasting at least 24 hours										
Yes	28.72	3.56	2.82	3.07	4.39	3.45	3.52	3.79	2.80	1.32
Natural disaster or weather event	24.40	3.06	2.35	2.55	3.64	3.00	3.08	3.26	2.38	1.08
Unable to pay electric bills	0.52	0.12	Q	Q	0.13	Q	Q	Q	Q	Q
Electric utility had a planned or unplanned blackout	3.73	0.38	0.40	0.49	0.60	0.39	0.41	0.48	0.39	0.18
Other	Q	N	N	Q	Q	Q	N	Q	N	Q
No	103.82	16.69	9.35	9.65	13.69	13.15	12.37	14.49	9.68	4.74
Back-up generator in home										
Yes, a whole home or standby generator	6.61	0.69	0.33	0.71	0.72	0.84	0.70	1.14	1.01	0.48
Yes, a portable generator	20.26	2.54	1.81	1.81	3.09	2.75	3.00	2.63	1.78	0.84
No	105.67	17.02	10.02	10.20	14.28	13.01	12.19	14.51	9.68	4.75
Swimming pool										
Yes	9.60	0.84	0.72	0.95	1.35	1.22	1.73	1.65	0.81	0.33
No	88.19	13.85	9.39	8.53	11.82	10.15	11.04	11.67	7.71	4.03
Not asked (apartments)	34.74	5.56	2.05	3.24	4.92	5.23	3.13	4.96	3.95	1.70
Months swimming pool is used										
0 to 3	1.71	0.32	0.18	0.29	0.27	0.23	0.21	0.13	Q	Q
4 to 7	2.86	0.30	0.30	0.24	0.44	0.34	0.67	0.33	0.15	Q
8 to 12	5.03	0.21	0.25	0.41	0.63	0.65	0.84	1.19	0.63	0.22
No swimming pool	88.19	13.85	9.39	8.53	11.82	10.15	11.04	11.67	7.71	4.03
Not asked (apartments)	34.74	5.56	2.05	3.24	4.92	5.23	3.13	4.96	3.95	1.70

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	Total U.S. ^a	Year of construction								
		Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	132.54	20.25	12.17	12.73	18.09	16.60	15.89	18.28	12.48	6.06
Heated swimming pool and fuel										
Heated swimming pool	3.44	0.19	0.24	0.36	0.45	0.31	0.56	0.76	0.39	0.17
Electricity	1.27	Q	Q	0.12	0.23	0.08	0.24	0.28	0.13	Q
Natural gas	1.51	Q	0.10	0.19	0.17	0.11	0.26	0.32	0.21	Q
Propane	0.28	Q	Q	Q	Q	Q	Q	0.08	Q	Q
Some other fuel	0.38	Q	Q	Q	Q	Q	Q	0.08	Q	Q
Unheated swimming pool	6.17	0.64	0.49	0.59	0.90	0.91	1.16	0.90	0.42	0.16
No swimming pool	88.19	13.85	9.39	8.53	11.82	10.15	11.04	11.67	7.71	4.03
Not asked (apartments)	34.74	5.56	2.05	3.24	4.92	5.23	3.13	4.96	3.95	1.70
Months swimming pool is heated										
0 to 3	2.42	0.09	0.13	0.31	0.33	0.18	0.41	0.57	0.31	Q
4 to 7	0.81	Q	0.10	Q	0.12	0.06	0.12	0.17	Q	Q
8 to 12	0.21	Q	N	Q	Q	Q	Q	Q	Q	N
No heated swimming pool	94.36	14.49	9.88	9.12	12.72	11.06	12.20	12.56	8.13	4.20
Not asked (apartments)	34.74	5.56	2.05	3.24	4.92	5.23	3.13	4.96	3.95	1.70
Hot tub										
Yes	10.08	0.85	0.69	0.71	1.05	1.25	1.60	2.24	1.20	0.49
No	122.45	19.40	11.48	12.02	17.04	15.35	14.28	16.04	11.27	5.57
Months hot tub is used										
0 to 3	5.24	0.35	0.35	0.34	0.48	0.69	0.92	1.36	0.51	0.25
4 to 7	1.17	0.10	Q	0.12	0.13	0.17	0.19	0.23	0.14	Q
8 to 12	3.67	0.40	0.29	0.26	0.45	0.39	0.49	0.65	0.55	0.20
No hot tub	122.45	19.40	11.48	12.02	17.04	15.35	14.28	16.04	11.27	5.57
Hot tub heating fuel										
Electricity	5.31	0.53	0.37	0.38	0.64	0.66	0.75	1.01	0.73	0.24
Natural gas	1.33	0.10	0.09	0.17	0.10	0.12	0.19	0.32	0.17	0.08
Some other fuel	0.33	Q	Q	Q	Q	Q	Q	0.07	Q	Q
Hot tub used zero months	3.12	0.21	0.21	0.15	0.28	0.38	0.65	0.84	0.25	0.16
No hot tub	122.45	19.40	11.48	12.02	17.04	15.35	14.28	16.04	11.27	5.57

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.

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 HC2.3 Structural and geographic characteristics of U.S. homes, by year of construction, 2024

RSEs for number of housing units

	Year of construction									
	Total U.S. ^a	Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	P	P	P	P	P	P	P	P	2.05	4.23
Major roofing material										
Shingles (composition or asphalt)	0.58	1.67	1.85	1.66	1.47	1.45	1.88	1.44	2.66	4.98
Metal	3.07	7.38	12.54	10.17	6.89	7.04	8.25	8.40	11.79	15.63
Wood shingles or shakes	5.37	13.54	20.46	17.92	17.77	11.69	18.41	12.19	18.67	23.78
Ceramic or clay tiles	3.99	16.04	26.23	17.24	18.05	13.43	10.28	8.72	13.05	22.68
Concrete tiles	4.92	15.46	27.45	18.41	15.40	12.90	12.63	10.94	14.87	22.24
Slate or synthetic slate	7.62	14.37	24.99	24.33	21.13	32.86	19.97	25.34	21.78	Q
Some other material	7.88	17.33	23.97	31.75	17.75	21.11	29.73	18.81	24.68	Q
Total number of rooms (excluding bathrooms)										
One or two	4.68	11.04	16.78	15.71	13.94	12.21	18.46	13.51	13.20	17.06
Three	2.43	8.08	14.54	10.90	8.38	9.35	12.79	9.70	12.25	17.09
Four	2.28	6.77	8.77	8.09	6.36	5.58	8.87	6.36	9.09	12.15
Five	2.25	5.49	6.64	5.89	5.67	6.33	6.61	6.26	7.90	11.05
Six	1.86	4.94	5.68	5.97	5.65	5.67	5.70	4.97	7.32	11.46
Seven	2.19	5.08	7.24	6.91	5.22	5.59	6.33	6.20	8.96	10.76
Eight	1.94	6.14	8.10	6.94	6.76	7.24	6.18	6.15	7.38	12.84
Nine or more	2.03	5.23	8.12	8.64	5.50	6.41	3.84	4.88	5.04	9.70
Number of bedrooms										
None	6.92	19.29	25.43	23.43	22.25	19.71	24.15	23.93	19.84	27.82
One	2.49	7.49	12.69	8.63	7.08	8.00	9.48	8.05	9.00	13.21
Two	1.61	3.86	4.66	5.65	4.81	4.53	5.65	5.23	5.37	10.41
Three	0.93	3.04	3.59	2.75	2.52	3.51	2.34	3.14	5.13	7.52
Four	1.88	5.60	6.89	7.11	4.37	6.06	4.70	4.07	6.30	9.68
Five or more	3.12	8.16	20.00	12.90	10.48	11.50	9.46	6.56	9.05	14.43
Number of other rooms (excluding bathrooms)										
One	2.87	8.70	10.27	13.53	8.70	7.41	10.80	8.53	8.69	11.75
Two	1.78	4.41	5.57	4.58	4.31	3.91	5.61	5.99	6.76	8.88
Three	1.52	3.44	4.81	4.65	3.95	4.32	4.48	3.94	5.81	7.33
Four	1.77	4.29	5.68	5.27	4.94	4.38	5.51	4.27	5.79	8.97
Five or more	1.70	4.74	6.67	7.07	5.73	5.80	4.17	4.72	4.54	9.71
Number of full bathrooms										
None	20.00	Q	Q	Q	Q	Q	Q	Q	Q	Q
One	0.89	1.81	2.91	2.53	2.77	3.31	4.62	5.71	6.96	9.79
Two	0.87	3.87	4.48	3.29	2.60	2.52	2.28	2.38	3.48	5.92
Three or more	2.13	8.59	11.22	8.24	7.61	5.95	4.38	5.09	4.95	7.50
Number of half bathrooms										
None	0.53	1.34	1.59	2.20	1.27	1.49	1.81	2.00	3.39	6.15
One	1.30	3.86	5.31	5.24	3.91	3.90	3.35	3.83	4.40	7.26
Two or more	5.83	17.84	27.48	22.36	18.88	16.26	13.95	15.48	15.22	Q
Basement										
Yes	0.88	2.17	2.87	3.54	4.00	3.98	3.76	4.16	6.48	8.85
Finished basement	1.62	4.73	4.56	4.57	4.45	5.47	4.59	5.45	7.94	11.37
Unfinished basement	1.73	3.07	6.34	7.17	7.05	7.75	7.58	7.71	10.82	16.30
No	0.66	3.75	2.79	3.11	2.61	2.71	2.84	2.56	3.68	6.06
Not asked (apartments and mobile homes)	P	3.36	8.23	4.54	3.33	2.87	4.07	3.31	4.81	9.04

Relative standard errors (RSEs) for Table HC2.3 Structural and geographic characteristics of U.S. homes, by year of construction, 2024

RSEs for number of housing units

	Year of construction									
	Total U.S. ^a	Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	P	P	P	P	P	P	P	P	2.05	4.23
Attic										
Yes	0.67	2.37	2.94	2.83	2.65	2.65	2.44	2.53	3.10	5.98
Finished attic	3.15	6.18	9.36	9.95	10.72	9.84	10.97	9.52	11.54	21.85
Unfinished attic	0.95	2.75	3.61	3.01	2.88	3.01	3.04	2.81	3.63	6.37
No	1.51	4.72	5.23	5.71	3.44	4.73	5.32	4.60	7.13	9.41
Not asked (apartments and mobile homes)	P	3.36	8.23	4.54	3.33	2.87	4.07	3.31	4.81	9.04
Attached garage										
Yes	0.73	5.68	4.27	3.57	2.83	2.81	2.16	1.95	2.99	5.10
One-car garage	2.58	9.02	5.39	8.66	6.71	6.68	10.48	8.82	12.59	25.78
Two-car garage	1.29	9.37	7.62	5.39	3.59	3.57	3.15	2.91	4.21	6.67
Three or more car garage	2.93	27.42	39.69	36.96	14.35	13.13	6.99	6.10	6.13	11.26
No	1.21	1.83	3.20	3.99	4.14	5.43	7.05	5.59	8.75	12.79
Not asked (apartments and mobile homes)	P	3.36	8.23	4.54	3.33	2.87	4.07	3.31	4.81	9.04
Adequacy of insulation										
Well insulated	1.41	5.58	6.33	5.43	4.84	3.98	3.61	3.80	3.76	6.39
Adequately insulated	1.07	2.33	3.29	2.87	2.12	2.27	2.61	2.95	4.64	6.93
Poorly insulated	2.26	3.48	6.08	6.59	5.31	5.54	8.81	7.79	13.92	21.74
Not insulated	6.25	11.94	15.63	19.82	17.92	16.56	28.19	26.52	34.97	Q
Home is too drafty during the winter										
Never	0.93	4.20	4.19	3.04	3.21	3.04	2.43	2.35	3.02	5.53
Some of the time	1.03	2.80	3.53	2.81	3.34	3.25	3.64	2.86	5.42	8.19
Most of the time	2.79	5.79	11.74	9.61	8.22	8.79	10.09	10.97	14.07	21.44
All of the time	4.27	9.11	11.19	13.05	10.51	9.69	16.74	15.61	20.54	27.42
Any ceilings higher than 8 feet										
Yes	0.87	2.20	4.91	5.15	3.08	3.13	1.99	1.97	2.83	5.47
No	0.84	1.84	1.90	1.86	1.52	2.78	3.29	4.08	5.59	7.97
Number of windows										
1 to 2	3.48	16.05	28.10	14.55	9.01	8.93	14.51	10.41	11.18	17.74
3 to 5	2.23	9.42	10.95	8.15	6.75	5.22	7.86	5.54	7.76	9.18
6 to 9	1.90	4.66	5.38	5.47	3.87	5.32	5.17	4.78	7.04	9.77
10 to 15	1.25	3.71	3.09	3.55	3.75	3.75	4.00	4.28	4.92	8.02
16 to 19	2.15	5.23	8.77	7.77	7.52	8.31	7.56	6.12	8.69	10.69
20 to 29	2.97	5.64	8.58	12.42	9.89	8.53	7.06	7.04	8.53	12.51
30 or more	4.79	8.79	22.66	29.95	16.68	16.98	12.51	9.85	12.14	27.67
Type of glass in windows										
Single-pane glass	1.39	2.54	3.81	4.22	3.18	3.55	4.33	4.56	6.76	9.62
Double-pane glass	0.66	1.93	2.23	2.47	1.95	1.96	1.98	1.88	2.40	5.05
Triple-pane glass	6.19	21.19	25.29	20.72	16.10	19.24	18.01	16.09	18.53	22.71
Window frame material										
Metal (aluminum)	1.11	4.39	5.23	4.30	3.03	2.73	3.74	2.61	4.30	8.70
Wood	1.04	2.50	4.19	4.67	3.45	3.81	3.45	4.55	5.76	9.09
Vinyl	1.56	4.28	4.29	5.67	3.98	4.21	4.83	4.23	5.35	7.23
Fiberglass	7.22	23.10	25.09	25.89	19.72	27.80	23.77	19.02	20.74	21.34
Composite	5.51	14.67	13.33	19.01	17.44	14.29	13.45	12.91	15.45	19.71

Relative standard errors (RSEs) for Table HC2.3 Structural and geographic characteristics of U.S. homes, by year of construction, 2024

RSEs for number of housing units

	Year of construction									
	Total U.S. ^a	Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	P	P	P	P	P	P	P	P	2.05	4.23
Number of sliding glass or French doors										
None	0.89	1.26	2.75	2.94	3.07	3.57	3.47	2.98	3.39	7.65
One	1.40	4.79	6.06	4.34	3.18	3.28	3.19	3.16	4.46	6.80
Two	2.74	9.73	11.14	10.20	6.09	6.07	6.07	5.73	8.17	12.13
Three or more	3.86	10.98	14.59	11.46	8.50	8.31	8.58	9.30	11.80	16.19
Electricity meter is a smart meter										
Yes	1.32	3.80	3.97	5.32	3.39	4.51	4.20	3.96	5.11	10.41
No	1.35	3.62	5.02	4.46	3.27	3.90	4.62	4.30	5.41	9.60
Don't know	1.04	2.91	3.63	4.04	2.93	3.08	3.38	3.48	5.01	6.86
Park a car within 20 feet of electrical outlet										
Yes	0.63	2.90	3.04	2.99	2.51	2.15	2.11	2.13	3.30	6.22
No	1.07	2.93	3.60	4.37	3.96	3.86	4.68	4.58	6.67	10.01
Not asked (apartments in buildings with 5 or more units)	P	5.40	10.92	6.59	4.72	4.56	5.97	4.26	6.26	8.91
Own or lease an all-electric or plug-in hybrid electric vehicle and charging location										
Yes	3.30	12.02	13.72	14.24	12.70	10.00	12.37	9.40	9.94	18.05
Charge at home	3.41	13.29	14.78	16.32	16.68	12.76	13.29	10.67	11.04	19.08
No	0.16	0.43	0.70	0.49	0.42	0.47	0.59	0.51	2.24	4.33
Experienced power outage lasting at least 24 hours										
Yes	1.80	4.81	6.74	5.17	5.02	4.46	5.37	5.22	5.89	10.98
Natural disaster or weather event	1.96	5.47	7.69	5.78	5.14	4.96	5.54	5.92	6.41	11.43
Unable to pay electric bills	16.75	29.93	Q	Q	39.31	Q	Q	Q	Q	Q
Electric utility had a planned or unplanned blackout	5.69	16.73	18.36	17.01	13.89	16.55	15.43	19.29	17.29	24.71
Other	Q	N	N	Q	Q	Q	N	Q	N	Q
No	0.50	1.03	2.03	1.65	1.61	1.17	1.53	1.37	2.69	4.90
Back-up generator in home										
Yes, a whole home or standby generator	3.97	11.54	17.45	15.02	10.14	11.43	11.44	7.80	8.86	13.29
Yes, a portable generator	2.10	5.14	6.99	6.42	5.48	5.71	5.96	5.38	6.80	12.01
No	0.45	0.84	1.14	1.35	1.36	1.30	1.57	1.21	2.57	4.81
Swimming pool										
Yes	3.13	11.25	11.78	10.90	9.10	9.44	8.23	7.58	8.99	18.79
No	0.34	1.25	1.95	1.93	1.70	1.91	1.66	1.95	3.29	4.64
Not asked (apartments)	P	3.53	8.32	4.65	3.86	3.53	5.50	4.10	5.25	8.89
Months swimming pool is used										
0 to 3	7.19	21.31	24.11	18.67	16.66	17.95	20.70	22.00	Q	Q
4 to 7	4.69	18.40	17.35	18.10	11.11	15.76	11.05	14.98	25.83	Q
8 to 12	4.51	23.85	21.83	18.97	14.48	12.94	12.65	9.31	9.84	23.67
No swimming pool	0.34	1.25	1.95	1.93	1.70	1.91	1.66	1.95	3.29	4.64
Not asked (apartments)	P	3.53	8.32	4.65	3.86	3.53	5.50	4.10	5.25	8.89

Relative standard errors (RSEs) for Table HC2.3 Structural and geographic characteristics of U.S. homes, by year of construction, 2024

RSEs for number of housing units

	Year of construction									
	Total U.S. ^a	Before 1950	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2009	2010 to 2019	2020 to 2024
All homes	P	P	P	P	P	P	P	P	2.05	4.23
Heated swimming pool and fuel										
Heated swimming pool	5.06	22.81	19.44	18.75	13.34	17.61	14.67	11.55	14.79	29.10
Electricity	9.01	Q	Q	29.53	21.09	33.19	26.07	20.57	26.90	Q
Natural gas	9.65	Q	32.77	29.35	22.12	29.86	17.86	20.35	20.47	Q
Propane	15.53	Q	Q	Q	Q	Q	Q	35.61	Q	Q
Some other fuel	20.52	Q	Q	Q	Q	Q	Q	36.33	Q	Q
Unheated swimming pool	4.00	12.78	15.35	14.11	10.87	11.45	8.68	9.64	15.30	24.07
No swimming pool	0.34	1.25	1.95	1.93	1.70	1.91	1.66	1.95	3.29	4.64
Not asked (apartments)	P	3.53	8.32	4.65	3.86	3.53	5.50	4.10	5.25	8.89
Months swimming pool is heated										
0 to 3	7.53	32.95	27.37	21.35	17.32	25.64	16.73	13.68	17.39	Q
4 to 7	10.51	Q	34.83	Q	30.78	31.57	34.03	26.52	Q	Q
8 to 12	28.35	Q	N	Q	Q	Q	Q	Q	Q	N
No heated swimming pool	0.18	1.37	1.74	1.77	1.49	1.75	1.45	1.67	3.17	4.73
Not asked (apartments)	P	3.53	8.32	4.65	3.86	3.53	5.50	4.10	5.25	8.89
Hot tub										
Yes	3.21	9.82	15.43	12.61	8.94	8.19	8.26	5.26	8.43	15.01
No	0.26	0.43	0.93	0.74	0.55	0.67	0.93	0.73	2.19	4.37
Months hot tub is used										
0 to 3	4.17	17.54	19.98	16.95	13.18	13.29	10.40	7.73	17.22	22.76
4 to 7	9.37	29.07	Q	30.60	30.59	23.36	17.92	20.80	26.30	Q
8 to 12	5.83	14.70	28.84	21.69	13.07	13.87	14.38	11.61	12.19	22.77
No hot tub	0.26	0.43	0.93	0.74	0.55	0.67	0.93	0.73	2.19	4.37
Hot tub heating fuel										
Electricity	4.77	12.28	21.20	14.92	11.68	11.67	11.56	10.08	11.36	20.99
Natural gas	9.36	37.88	39.76	30.65	31.82	26.62	23.36	16.16	21.41	33.78
Some other fuel	18.41	Q	Q	Q	Q	Q	Q	34.41	Q	Q
Hot tub used zero months	5.77	24.38	23.66	24.90	21.28	14.71	12.54	11.69	24.07	31.71
No hot tub	0.26	0.43	0.93	0.74	0.55	0.67	0.93	0.73	2.19	4.37

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.

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.