

Table HC5.5 Space Heating Usage Indicators by Year of Construction, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Year of Construction							
		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Total U.S. Housing Units	111.1	14.7	7.4	12.5	12.5	18.9	18.6	17.3	9.2
Do Not Have Heating Equipment	1.2	N	Q	Q	0.2	0.4	0.2	0.2	Q
Have Space Heating Equipment	109.8	14.7	7.4	12.4	12.2	18.5	18.3	17.1	9.2
Use Space Heating Equipment.....	109.1	14.6	7.3	12.4	12.2	18.2	18.2	17.1	9.1
Have But Do Not Use Equipment.....	0.8	Q	Q	Q	Q	0.3	Q	N	Q
Space Heating Usage During 2005									
Heated Floorspace (Square Feet)									
None.....	3.6	Q	0.3	0.2	0.6	1.0	0.5	0.5	Q
1 to 499.....	6.1	1.2	0.4	0.7	0.9	1.3	0.8	0.6	0.2
500 to 999.....	27.7	3.8	2.4	3.2	2.9	5.3	5.5	3.4	1.3
1,000 to 1,499.....	26.0	3.4	1.7	3.4	2.9	4.6	4.2	4.0	1.9
1,500 to 1,999.....	17.6	2.2	1.0	2.4	2.1	3.0	2.5	2.8	1.6
2,000 to 2,499.....	10.7	1.5	0.6	1.2	1.1	1.6	2.1	1.5	1.1
2,500 to 2,999.....	7.7	0.8	0.5	0.7	1.0	0.8	1.3	1.7	0.9
3,000 to 3,499.....	3.8	0.6	Q	Q	0.4	0.6	0.4	0.8	0.5
3,500 to 3,999.....	2.6	0.5	Q	Q	0.3	Q	0.3	0.6	0.4
4,000 or More.....	5.2	0.6	Q	0.3	Q	0.6	0.9	1.5	0.9
Total Number of Rooms (Excluding Bathrooms)									
0.....	2.1	Q	Q	Q	0.3	0.5	0.2	0.3	Q
1 or 2.....	3.1	0.5	Q	0.4	0.4	0.6	0.4	0.4	Q
3.....	8.3	0.9	0.5	0.6	1.0	1.7	1.9	1.1	0.6
4.....	16.6	2.5	1.2	2.0	1.6	3.4	2.9	2.2	0.7
5.....	23.3	2.8	1.8	3.3	2.4	4.0	3.8	3.3	1.9
6.....	22.6	2.5	1.6	3.4	2.8	3.5	3.7	3.4	1.7
7.....	16.3	2.5	1.0	1.7	2.0	2.6	2.7	2.4	1.4
8.....	9.7	1.4	0.4	0.6	1.0	1.4	1.7	2.0	1.2
9 or More.....	9.1	1.4	0.4	0.5	1.0	1.2	1.4	2.1	1.3
At Home Behavior									
Home Used for Business									
Yes.....	8.9	1.2	0.3	0.5	0.8	1.5	1.4	2.2	1.1
No.....	102.2	13.5	7.1	12.1	11.6	17.4	17.2	15.1	8.1
Someone Home All Day									
Yes.....	56.4	7.7	4.0	7.2	6.6	9.3	8.5	8.4	4.7
No.....	54.7	7.0	3.4	5.4	5.9	9.6	10.1	8.9	4.5
Housing Unit Characteristics Affecting Usage									
Adequacy of Insulation									
Well Insulated.....	42.8	3.9	2.2	4.0	4.4	6.5	7.4	8.8	5.7
Adequately Insulated.....	46.3	5.8	3.4	5.4	5.0	8.8	8.1	6.9	2.8
Poorly Insulated.....	19.0	4.2	1.7	2.7	2.7	3.1	2.5	1.5	0.6
No Insulation.....	1.4	0.3	Q	0.3	Q	Q	0.2	Q	Q
Don't Know.....	1.7	0.3	Q	Q	0.2	0.3	0.4	Q	Q
Home is Too Drafty During the Winter									
Never.....	62.9	5.8	4.0	6.9	6.3	11.0	10.9	11.6	6.5
Some of the Time.....	32.4	5.5	2.4	4.0	4.0	5.3	5.5	4.1	1.7
Most of the Time.....	6.1	1.5	0.4	0.7	0.7	1.1	0.8	0.5	0.3
All of the Time.....	5.6	1.4	0.4	0.6	1.0	0.9	0.7	0.6	Q
Don't Know.....	4.1	0.6	Q	0.3	0.4	0.7	0.7	0.7	0.5

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		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Unusually High Ceilings									
Yes.....	27.2	3.4	0.9	1.1	1.2	2.6	5.7	7.8	4.6
No.....	76.9	11.2	6.5	11.3	10.8	14.3	11.0	7.7	4.1
Not Asked (Mobile Homes).....	6.9	Q	N	Q	0.4	2.0	1.9	1.9	0.5
Cathedral Ceilings (In Housing Units with High Ceilings)									
Yes.....	17.1	0.6	0.5	0.4	0.8	1.8	4.1	5.6	3.3
No.....	10.1	2.7	0.5	0.7	0.5	0.8	1.5	2.2	1.2
Type of Glass in Windows									
Single-pane Glass.....	50.7	7.7	3.7	6.7	7.5	9.7	8.3	4.9	2.3
Double-pane Glass									
Without Low-e Coating.....	50.6	5.8	3.2	4.7	4.3	7.5	9.0	10.9	5.3
With Low-e Coating.....	8.0	0.9	0.4	0.8	0.6	1.4	1.0	1.4	1.5
Triple-pane Glass									
Without Low-e Coating.....	1.0	Q	Q	Q	Q	Q	Q	Q	Q
With Low-e Coating.....	0.3	Q	N	Q	Q	Q	N	Q	Q
Proportion of Original Windows Replaced									
All.....	22.4	4.6	2.9	3.9	3.4	4.1	2.3	0.7	0.5
Some.....	21.6	5.0	1.6	3.4	2.8	3.7	3.2	1.6	0.4
None.....	62.3	4.5	2.9	4.7	5.9	9.7	11.9	14.5	8.2
Don't Know.....	4.7	0.6	Q	0.5	0.4	1.4	1.1	0.6	Q
Thermostats									
Do Not Have a Thermostat.....	15.3	2.8	1.7	2.3	2.3	2.8	1.8	1.0	0.6
Have a Thermostat.....	95.8	11.9	5.7	10.3	10.2	16.1	16.7	16.4	8.6
1.....	84.5	10.3	5.3	9.5	8.8	14.6	14.7	14.1	7.2
2 or More.....	11.3	1.5	0.4	0.8	1.3	1.5	2.1	2.3	1.5
Have a Programmable Thermostat									
Yes.....	33.1	3.4	2.1	3.3	3.1	5.1	6.0	5.7	4.4
No.....	62.7	8.4	3.6	7.0	7.0	10.9	10.7	10.7	4.3
Use of Programmable Thermostats									
Reduces Temperature During Day									
Yes.....	18.6	2.1	1.1	2.0	1.7	2.6	3.7	3.2	2.3
No.....	14.5	1.3	1.0	1.3	1.4	2.6	2.3	2.5	2.1
Reduces Temperature at Night									
Yes.....	21.5	2.3	1.2	2.1	2.1	3.3	4.2	3.7	2.6
No.....	11.6	1.1	0.8	1.1	1.1	1.9	1.8	2.0	1.8

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		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Winter 2005 Temperature Settings									
Lower Temperature Settings									
Daytime When No One is at Home									
Yes.....	40.5	5.9	2.5	4.4	4.1	7.0	6.9	6.4	3.4
No.....	59.1	7.5	3.9	7.0	6.5	9.7	9.9	9.5	5.2
Unknown.....	11.4	1.3	1.1	1.1	1.9	2.3	1.8	1.5	0.6
During Sleeping Hours									
Yes.....	40.7	5.9	2.5	4.7	4.1	6.6	6.9	6.6	3.3
No.....	60.2	7.8	4.0	6.7	6.8	10.2	10.0	9.4	5.3
Unknown.....	10.2	1.0	0.9	1.1	1.6	2.0	1.7	1.3	0.6
Daytime Setting When No One is at Home									
Heat Turned On.....	93.7	12.9	5.9	10.5	9.7	15.4	15.9	15.2	8.3
63 Degrees or Less.....	18.9	3.5	1.3	2.3	1.9	3.4	3.1	2.4	1.1
64 to 66 Degrees.....	17.4	2.8	1.0	2.3	1.9	2.4	2.9	2.6	1.5
67 to 69 Degrees.....	17.8	2.6	1.2	1.9	1.5	3.2	2.8	2.8	1.7
70 Degrees.....	16.0	2.0	1.0	1.8	1.7	2.4	2.7	2.8	1.4
71 to 73 Degrees.....	10.2	1.0	0.4	1.0	1.4	1.7	1.8	1.8	1.1
74 Degrees or More.....	13.5	1.0	1.0	1.2	1.2	2.2	2.6	2.7	1.6
Don't Know/No Answer.....	7.4	1.1	0.8	0.7	1.1	1.3	1.0	0.9	0.5
Heat Turned Off.....	8.7	0.7	0.7	1.2	1.4	1.8	1.4	1.1	0.4
Do Not Use Space Heating.....	1.3	N	Q	Q	0.2	0.4	0.3	0.2	Q
Daytime Setting When Someone is at Home									
Heat Turned On.....	101.5	13.7	6.6	11.6	10.9	17.0	17.0	16.1	8.7
63 Degrees or Less.....	4.1	1.2	Q	0.7	0.3	0.7	0.4	0.3	Q
64 to 66 Degrees.....	8.2	1.5	0.6	1.3	1.0	1.2	1.3	0.9	0.4
67 to 69 Degrees.....	23.6	4.0	1.4	2.7	2.2	4.0	3.7	3.6	2.1
70 Degrees.....	24.6	3.2	1.6	2.6	2.7	4.0	4.0	4.4	2.0
71 to 73 Degrees.....	17.6	1.9	1.0	1.8	2.2	3.0	3.1	2.9	1.7
74 Degrees or More.....	23.2	1.9	1.8	2.4	2.4	4.1	4.4	3.9	2.3
Don't Know/No Answer.....	6.0	0.8	0.5	0.8	1.0	1.0	0.8	0.8	0.4
Heat Turned Off.....	2.3	Q	Q	Q	0.4	0.5	0.5	Q	Q
Do Not Use Space Heating.....	1.3	N	Q	Q	0.2	0.4	0.3	0.2	Q
Setting During Sleeping Hours									
Heat Turned On.....	98.1	13.5	6.2	10.9	10.5	16.2	16.4	15.8	8.6
63 Degrees or Less.....	13.0	2.8	0.9	1.6	1.2	2.1	2.3	1.5	0.6
64 to 66 Degrees.....	18.4	2.8	1.1	2.7	2.0	2.7	2.7	3.0	1.5
67 to 69 Degrees.....	20.8	3.1	1.3	2.3	1.9	3.8	2.9	3.7	1.9
70 Degrees.....	18.5	2.6	1.2	1.8	2.1	3.3	3.2	2.8	1.6
71 to 73 Degrees.....	11.1	1.0	0.5	1.1	1.4	1.8	2.2	2.1	1.1
74 Degrees or More.....	16.3	1.3	1.2	1.5	1.9	2.6	3.1	2.8	1.8
Don't Know/No Answer.....	6.4	0.8	0.6	0.8	0.9	1.1	0.9	0.7	0.4
Heat Turned Off.....	5.4	0.4	0.6	0.7	0.8	1.1	1.0	0.6	Q
Do Not Use Space Heating.....	1.3	N	Q	Q	0.2	0.4	0.3	0.2	Q

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Secondary Heating									
Use Any Secondary Heating Equipment									
Yes.....	34.9	5.1	2.5	3.5	3.9	5.5	5.9	5.8	2.5
No.....	74.9	9.6	4.8	8.9	8.3	13.0	12.4	11.3	6.6
Proportion of Heat Provided by Secondary Heating Equipment									
Close to One-Half.....	4.4	0.5	0.4	0.5	0.7	0.7	0.7	0.7	Q
About One-Quarter.....	5.8	1.0	0.4	0.6	0.6	0.9	1.0	0.9	0.4
Very Little or None.....	24.7	3.6	1.8	2.4	2.6	3.9	4.2	4.3	1.9
Type of Supplemental Heating Equipment Used									
Heat Pump.....	0.6	Q	Q	N	Q	Q	Q	Q	Q
Central Warm-Air Furnace.....	2.3	0.3	Q	Q	0.3	0.4	0.4	0.4	Q
Steam/Hot Water System.....	Q	Q	Q	N	Q	N	N	Q	N
Built-in Electric Units.....	2.2	0.4	Q	0.3	Q	0.3	0.3	0.3	Q
Built-in Pipeless Furnace.....	0.3	Q	N	Q	Q	Q	N	Q	Q
Built-in Room Heaters.....	1.4	0.3	Q	Q	Q	0.3	0.3	Q	Q
Heating Stove.....	2.1	0.3	Q	0.3	Q	0.4	0.4	0.3	Q
Portable Electric Heaters.....	14.3	2.6	1.4	1.7	1.9	2.3	1.9	1.6	0.8
Portable Kerosene Heaters.....	0.6	Q	Q	Q	Q	Q	Q	Q	Q
Cooking Stove.....	0.5	Q	N	Q	Q	Q	Q	Q	Q
Fireplace.....	10.5	0.9	0.4	0.6	0.8	1.4	2.2	3.0	1.2
Fireplace Fuel									
Wood.....	6.9	0.7	0.3	0.4	0.6	1.2	1.4	1.7	0.5
Natural Gas.....	2.7	Q	Q	Q	Q	Q	0.6	0.9	0.5
Propane.....	0.9	Q	N	Q	N	Q	Q	0.3	Q
Use of Gas Fireplace During Winter Months									
Most Days.....	1.2	Q	Q	Q	Q	Q	Q	0.5	0.2
About Once a Week.....	1.3	Q	Q	Q	Q	Q	Q	0.4	0.4
Less than 4 Times each Month.....	1.1	Q	N	Q	Q	Q	0.3	0.3	Q
Humidifier Use Each Year									
Use a Humidifier.....	14.2	1.9	1.0	1.6	1.2	2.1	2.2	2.8	1.5
1 to 3 Months Each Year.....	7.1	1.0	0.5	0.7	0.7	1.0	1.2	1.4	0.7
4 to 6 Months Each Year.....	5.6	0.7	0.4	0.7	0.4	0.8	0.8	1.1	0.6
7 to 9 Months Each Year.....	0.4	Q	Q	Q	Q	Q	Q	Q	Q
10 to 11 months.....	Q	Q	N	N	Q	N	Q	Q	N
Turned on All Year Long.....	1.1	Q	Q	Q	Q	0.3	Q	0.2	Q
Do Not Use a Humidifier.....	96.9	12.8	6.4	10.9	11.2	16.8	16.4	14.6	7.8

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

N = No cases in reporting sample.

Notes: • Because of rounding, data may not sum to totals. • See Glossary for definition of terms used in these tables.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2005 Residential Energy Consumption Survey.