

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Climate Zone ¹				
		Less than 2,000 CDD and --				2,000 CDD or More and Less than 4,000 HDD
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD	
Total U.S. Housing Units	111.1	10.9	26.1	27.3	24.0	22.8
Do Not Have Heating Equipment	1.2	Q	Q	N	0.3	0.8
Have Space Heating Equipment	109.8	10.9	26.0	27.3	23.7	22.0
Use Space Heating Equipment.....	109.1	10.9	26.0	27.3	23.2	21.7
Have But Do Not Use Equipment.....	0.8	N	N	Q	0.5	Q
Space Heating Usage During 2005						
Heated Floorspace (Square Feet)						
None.....	3.6	Q	0.5	Q	1.4	1.4
1 to 499.....	6.1	0.2	1.2	1.5	1.9	1.2
500 to 999.....	27.7	2.3	6.9	6.5	6.5	5.6
1,000 to 1,499.....	26.0	1.9	5.3	6.4	6.1	6.4
1,500 to 1,999.....	17.6	1.9	4.0	4.5	3.3	3.9
2,000 to 2,499.....	10.7	1.3	2.6	3.1	1.9	1.8
2,500 to 2,999.....	7.7	1.1	2.1	1.6	1.5	1.4
3,000 to 3,499.....	3.8	0.6	1.2	1.1	0.5	0.4
3,500 to 3,999.....	2.6	0.6	0.9	0.7	Q	Q
4,000 or More.....	5.2	1.0	1.3	1.7	0.6	0.6
Total Number of Rooms (Excluding Bathrooms)						
0.....	2.1	Q	0.5	Q	0.9	0.4
1 or 2.....	3.1	0.2	0.9	0.8	0.5	0.6
3.....	8.3	0.5	1.9	2.2	1.9	1.8
4.....	16.6	1.6	3.6	4.2	3.4	3.7
5.....	23.3	2.0	5.6	5.4	5.2	5.0
6.....	22.6	2.4	4.7	5.3	5.1	5.0
7.....	16.3	1.7	3.7	4.1	3.5	3.3
8.....	9.7	1.2	2.4	2.7	1.8	1.7
9 or More.....	9.1	1.2	2.7	2.4	1.5	1.3
At Home Behavior						
Home Used for Business						
Yes.....	8.9	1.5	1.5	2.1	1.9	1.9
No.....	102.2	9.5	24.6	25.2	22.0	20.9
Someone Home All Day						
Yes.....	56.4	5.0	13.3	13.8	12.4	12.0
No.....	54.7	6.0	12.8	13.6	11.6	10.8
Housing Unit Characteristics Affecting Usage						
Adequacy of Insulation						
Well Insulated.....	42.8	5.0	10.2	10.9	8.7	8.1
Adequately Insulated.....	46.3	4.3	10.8	11.0	10.2	10.0
Poorly Insulated.....	19.0	1.5	4.3	4.8	4.5	3.9
No Insulation.....	1.4	Q	0.2	Q	0.4	0.5
Don't Know.....	1.7	Q	0.5	0.4	Q	0.4
Home is Too Drafty During the Winter						
Never.....	62.9	6.0	13.3	14.5	13.7	15.5
Some of the Time.....	32.4	3.4	7.9	8.8	7.4	4.8
Most of the Time.....	6.1	0.7	1.7	1.6	1.3	0.8
All of the Time.....	5.6	0.2	2.0	1.6	1.2	0.7
Don't Know.....	4.1	0.5	1.1	0.9	0.5	1.0

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Climate Zone ¹					2,000 CDD or More and Less than 4,000 HDD
		Less than 2,000 CDD and --					
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD		
Unusually High Ceilings							
Yes.....	27.2	3.0	5.6	5.6	6.4	6.7	
No.....	76.9	7.3	19.3	20.4	15.8	14.2	
Not Asked (Mobile Homes).....	6.9	0.7	1.2	1.3	1.8	2.0	
Cathedral Ceilings (In Housing Units with High Ceilings)							
Yes.....	17.1	2.2	3.3	3.2	4.1	4.4	
No.....	10.1	0.8	2.3	2.4	2.3	2.3	
Type of Glass in Windows							
Single-pane Glass.....	50.7	3.1	9.1	9.5	13.7	15.2	
Double-pane Glass							
Without Low-e Coating.....	50.6	5.9	14.0	15.7	8.8	6.3	
With Low-e Coating.....	8.0	1.7	2.3	1.7	1.3	1.0	
Triple-pane Glass							
Without Low-e Coating.....	1.0	Q	0.4	Q	Q	Q	
With Low-e Coating.....	0.3	Q	Q	Q	Q	Q	
Proportion of Original Windows Replaced							
All.....	22.4	2.4	7.0	7.0	4.0	2.0	
Some.....	21.6	2.7	5.5	5.6	4.0	3.8	
None.....	62.3	5.4	12.4	13.4	15.0	16.0	
Don't Know.....	4.7	0.4	1.2	1.2	0.9	1.0	
Thermostats							
Do Not Have a Thermostat.....	15.3	0.7	2.6	4.3	3.8	3.8	
Have a Thermostat.....	95.8	10.2	23.4	23.0	20.1	19.0	
1.....	84.5	8.4	20.4	19.9	18.3	17.5	
2 or More.....	11.3	1.8	3.1	3.1	1.9	1.5	
Have a Programmable Thermostat							
Yes.....	33.1	3.3	8.3	7.2	8.3	6.0	
No.....	62.7	6.9	15.2	15.8	11.8	13.0	
Use of Programmable Thermostats							
Reduces Temperature During Day							
Yes.....	18.6	2.0	5.1	4.0	4.3	3.1	
No.....	14.5	1.3	3.2	3.2	4.1	2.9	
Reduces Temperature at Night							
Yes.....	21.5	2.2	5.6	4.7	5.2	3.7	
No.....	11.6	1.1	2.7	2.5	3.1	2.2	

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Climate Zone ¹				
		Less than 2,000 CDD and --				2,000 CDD or More and Less than 4,000 HDD
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD	

Winter 2005 Temperature Settings

Lower Temperature Settings

Daytime When No One is at Home

Yes.....	40.5	6.0	11.7	10.0	6.8	5.9
No.....	59.1	4.6	13.2	15.3	13.0	13.1
Unknown.....	11.4	0.3	1.2	2.0	4.2	3.8

During Sleeping Hours

Yes.....	40.7	6.1	11.0	9.9	7.9	5.9
No.....	60.2	4.6	14.1	15.7	12.7	13.1
Unknown.....	10.2	0.3	1.0	1.7	3.4	3.7

Daytime Setting When No One is at Home

Heat Turned On.....	93.7	10.6	24.7	25.0	16.1	17.4
63 Degrees or Less.....	18.9	3.3	5.8	4.8	3.1	2.0
64 to 66 Degrees.....	17.4	2.6	4.9	4.8	2.7	2.3
67 to 69 Degrees.....	17.8	2.2	5.6	4.7	3.0	2.3
70 Degrees.....	16.0	1.4	4.0	5.4	2.7	2.5
71 to 73 Degrees.....	10.2	0.8	2.2	3.0	1.9	2.3
74 Degrees or More.....	13.5	0.3	2.1	2.4	2.7	5.9
Don't Know/No Answer.....	7.4	Q	1.0	1.9	2.4	1.8
Heat Turned Off.....	8.7	Q	0.3	0.4	5.2	2.8
Do Not Use Space Heating.....	1.3	Q	Q	N	0.3	0.8

Daytime Setting When Someone is at Home

Heat Turned On.....	101.5	10.7	25.1	25.6	21.0	19.1
63 Degrees or Less.....	4.1	0.4	1.2	1.4	0.8	0.3
64 to 66 Degrees.....	8.2	1.5	2.1	2.5	1.3	0.8
67 to 69 Degrees.....	23.6	3.5	7.7	5.4	4.5	2.6
70 Degrees.....	24.6	2.8	6.5	6.8	5.1	3.4
71 to 73 Degrees.....	17.6	1.7	3.9	5.3	3.4	3.3
74 Degrees or More.....	23.2	0.9	3.6	4.2	5.8	8.7
Don't Know/No Answer.....	6.0	Q	0.8	1.6	1.6	1.8
Heat Turned Off.....	2.3	N	Q	Q	1.2	1.0
Do Not Use Space Heating.....	1.3	Q	Q	N	0.3	0.8

Setting During Sleeping Hours

Heat Turned On.....	98.1	10.7	24.9	25.5	18.6	18.5
63 Degrees or Less.....	13.0	2.5	3.8	3.3	2.6	0.9
64 to 66 Degrees.....	18.4	3.1	5.3	4.8	2.8	2.4
67 to 69 Degrees.....	20.8	2.7	6.4	5.2	3.8	2.6
70 Degrees.....	18.5	1.3	4.3	5.7	3.7	3.5
71 to 73 Degrees.....	11.1	0.6	2.5	3.3	2.1	2.5
74 Degrees or More.....	16.3	0.5	2.6	3.1	3.6	6.5
Don't Know/No Answer.....	6.4	Q	0.9	1.7	1.8	1.8
Heat Turned Off.....	5.4	N	Q	Q	3.3	1.7
Do Not Use Space Heating.....	1.3	Q	Q	N	0.3	0.8

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Climate Zone ¹					2,000 CDD or More and Less than 4,000 HDD
		Less than 2,000 CDD and --					
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD		
Secondary Heating							
Use Any Secondary Heating Equipment							
Yes.....	34.9	4.6	8.0	8.7	8.8	4.9	
No.....	74.9	6.3	18.0	18.6	14.9	17.0	
Proportion of Heat Provided by Secondary Heating Equipment							
Close to One-Half.....	4.4	0.5	1.1	1.1	1.2	0.5	
About One-Quarter.....	5.8	0.9	1.3	1.4	1.5	0.8	
Very Little or None.....	24.7	3.2	5.7	6.2	6.0	3.6	
Type of Supplemental Heating Equipment Used							
Heat Pump.....	0.6	Q	Q	0.3	Q	Q	
Central Warm-Air Furnace.....	2.3	0.4	0.4	0.7	0.6	0.3	
Steam/Hot Water System.....	Q	Q	Q	Q	N	N	
Built-in Electric Units.....	2.2	0.6	0.6	0.5	0.3	Q	
Built-in Pipeless Furnace.....	0.3	Q	Q	Q	Q	Q	
Built-in Room Heaters.....	1.4	0.2	0.5	Q	Q	Q	
Heating Stove.....	2.1	0.5	0.7	0.4	0.3	Q	
Portable Electric Heaters.....	14.3	1.0	3.7	3.6	3.8	2.2	
Portable Kerosene Heaters.....	0.6	Q	Q	Q	Q	N	
Cooking Stove.....	0.5	Q	Q	Q	Q	Q	
Fireplace.....	10.5	1.5	1.9	2.4	2.9	1.8	
Fireplace Fuel							
Wood.....	6.9	1.0	1.0	1.6	2.0	1.4	
Natural Gas.....	2.7	0.5	0.7	0.4	0.8	0.3	
Propane.....	0.9	Q	Q	0.3	Q	Q	
Use of Gas Fireplace During Winter Months							
Most Days.....	1.2	0.2	Q	Q	0.4	Q	
About Once a Week.....	1.3	Q	0.4	0.3	Q	Q	
Less than 4 Times each Month.....	1.1	Q	0.3	Q	0.3	Q	
Humidifier Use Each Year							
Use a Humidifier.....	14.2	2.6	5.2	3.9	1.6	0.9	
1 to 3 Months Each Year.....	7.1	1.3	2.4	1.9	0.9	0.6	
4 to 6 Months Each Year.....	5.6	1.1	2.4	1.5	0.4	Q	
7 to 9 Months Each Year.....	0.4	Q	Q	Q	N	Q	
10 to 11 months.....	Q	N	Q	Q	N	Q	
Turned on All Year Long.....	1.1	Q	0.2	0.4	0.2	Q	
Do Not Use a Humidifier.....	96.9	8.3	20.8	23.4	22.4	22.0	

1. One of five climatically distinct areas, determined according to the 30-year average (1971-2000) of the annual heating and cooling degree-days. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

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.