

Table HC10.5 Space Heating Usage Indicators by U.S. Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Total U.S. Housing Units	111.1	20.6	25.6	40.7	24.2
Do Not Have Heating Equipment	1.2	Q	Q	Q	0.7
Have Space Heating Equipment	109.8	20.5	25.6	40.3	23.4
Use Space Heating Equipment.....	109.1	20.5	25.6	40.1	22.9
Have But Do Not Use Equipment.....	0.8	N	N	Q	0.6
Space Heating Usage During 2005					
Heated Floorspace (Square Feet)					
None.....	3.6	Q	0.5	0.8	2.1
1 to 499.....	6.1	1.3	0.9	1.9	2.1
500 to 999.....	27.7	5.6	5.7	10.5	6.0
1,000 to 1,499.....	26.0	4.3	5.2	11.3	5.2
1,500 to 1,999.....	17.6	3.0	3.9	6.8	3.9
2,000 to 2,499.....	10.7	2.2	2.8	3.7	2.0
2,500 to 2,999.....	7.7	1.6	2.2	2.3	1.6
3,000 to 3,499.....	3.8	0.8	1.5	1.0	0.4
3,500 to 3,999.....	2.6	0.6	1.1	0.6	0.3
4,000 or More.....	5.2	1.0	1.9	1.7	0.6
Total Number of Rooms (Excluding Bathrooms)					
0.....	2.1	Q	0.5	0.3	1.1
1 or 2.....	3.1	0.9	0.8	0.6	0.8
3.....	8.3	1.9	1.3	3.2	1.9
4.....	16.6	3.3	3.2	6.5	3.5
5.....	23.3	3.8	5.5	9.1	5.0
6.....	22.6	3.8	5.2	8.8	4.8
7.....	16.3	2.9	3.8	6.0	3.6
8.....	9.7	1.8	2.6	3.3	2.0
9 or More.....	9.1	2.1	2.6	2.9	1.5
At Home Behavior					
Home Used for Business					
Yes.....	8.9	1.2	2.0	3.0	2.6
No.....	102.2	19.3	23.6	37.7	21.6
Someone Home All Day					
Yes.....	56.4	10.8	12.7	19.8	13.0
No.....	54.7	9.8	12.9	20.9	11.2
Housing Unit Characteristics Affecting Usage					
Adequacy of Insulation					
Well Insulated.....	42.8	8.2	10.6	16.1	7.9
Adequately Insulated.....	46.3	8.1	10.6	17.0	10.6
Poorly Insulated.....	19.0	3.7	3.7	6.8	4.9
No Insulation.....	1.4	Q	Q	0.3	0.6
Don't Know.....	1.7	0.5	0.5	0.5	0.2
Home is Too Drafty During the Winter					
Never.....	62.9	10.2	14.1	25.8	12.9
Some of the Time.....	32.4	7.2	7.0	10.4	7.8
Most of the Time.....	6.1	1.4	1.5	1.7	1.5
All of the Time.....	5.6	1.0	1.7	1.5	1.4
Don't Know.....	4.1	0.8	1.3	1.3	0.7

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Unusually High Ceilings					
Yes.....	27.2	3.8	6.1	9.9	7.5
No.....	76.9	16.4	18.8	27.0	14.8
Not Asked (Mobile Homes).....	6.9	0.4	0.8	3.8	2.0
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	2.0	3.6	6.4	5.1
No.....	10.1	1.7	2.5	3.5	2.4
Type of Glass in Windows					
Single-pane Glass.....	50.7	6.8	8.5	23.6	11.8
Double-pane Glass					
Without Low-e Coating.....	50.6	12.1	13.6	14.9	10.1
With Low-e Coating.....	8.0	1.3	2.9	1.7	2.0
Triple-pane Glass					
Without Low-e Coating.....	1.0	Q	0.5	Q	Q
With Low-e Coating.....	0.3	Q	Q	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	7.1	6.1	5.3	4.0
Some.....	21.6	4.6	5.4	6.3	5.4
None.....	62.3	8.3	13.1	27.4	13.5
Don't Know.....	4.7	0.7	1.0	1.8	1.3
Thermostats					
Do Not Have a Thermostat.....	15.3	3.7	1.9	5.5	4.2
Have a Thermostat.....	95.8	16.9	23.7	35.2	20.0
1.....	84.5	13.5	21.3	31.7	18.0
2 or More.....	11.3	3.4	2.5	3.5	2.0
Have a Programmable Thermostat					
Yes.....	33.1	5.8	8.3	9.9	9.1
No.....	62.7	11.1	15.4	25.3	10.9
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	3.8	4.7	5.2	4.8
No.....	14.5	1.9	3.6	4.7	4.4
Reduces Temperature at Night					
Yes.....	21.5	4.2	5.4	6.0	5.9
No.....	11.6	1.6	2.9	3.9	3.2

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Winter 2005 Temperature Settings					
Lower Temperature Settings					
Daytime When No One is at Home					
Yes.....	40.5	8.6	11.7	11.9	8.2
No.....	59.1	10.9	13.0	24.1	11.1
Unknown.....	11.4	1.1	0.9	4.6	4.9
During Sleeping Hours					
Yes.....	40.7	9.1	11.0	11.5	9.1
No.....	60.2	10.5	13.8	24.9	11.1
Unknown.....	10.2	1.0	0.8	4.3	4.1
Daytime Setting When No One is at Home					
Heat Turned On.....	93.7	19.3	24.7	34.3	15.4
63 Degrees or Less.....	18.9	5.3	4.7	4.3	4.6
64 to 66 Degrees.....	17.4	4.2	5.0	5.0	3.3
67 to 69 Degrees.....	17.8	3.8	5.5	5.9	2.5
70 Degrees.....	16.0	3.3	4.2	6.1	2.4
71 to 73 Degrees.....	10.2	1.3	3.1	4.8	1.0
74 Degrees or More.....	13.5	1.3	2.2	8.3	1.6
Don't Know/No Answer.....	7.4	1.0	0.8	3.1	2.5
Heat Turned Off.....	8.7	Q	Q	2.8	5.6
Do Not Use Space Heating.....	1.3	Q	Q	0.4	0.7
Daytime Setting When Someone is at Home					
Heat Turned On.....	101.5	19.6	24.9	36.5	20.5
63 Degrees or Less.....	4.1	1.5	0.8	0.8	1.1
64 to 66 Degrees.....	8.2	2.4	1.9	2.0	1.9
67 to 69 Degrees.....	23.6	5.5	6.8	6.4	4.9
70 Degrees.....	24.6	5.3	6.1	8.0	5.3
71 to 73 Degrees.....	17.6	2.5	5.2	7.0	3.0
74 Degrees or More.....	23.2	2.4	4.2	12.3	4.4
Don't Know/No Answer.....	6.0	0.9	0.6	2.9	1.6
Heat Turned Off.....	2.3	Q	N	0.9	1.3
Do Not Use Space Heating.....	1.3	Q	Q	0.4	0.7
Setting During Sleeping Hours					
Heat Turned On.....	98.1	19.5	24.8	35.9	17.9
63 Degrees or Less.....	13.0	3.8	2.8	2.4	4.0
64 to 66 Degrees.....	18.4	4.7	5.2	4.8	3.7
67 to 69 Degrees.....	20.8	4.2	6.8	6.5	3.2
70 Degrees.....	18.5	3.6	4.3	7.4	3.3
71 to 73 Degrees.....	11.1	1.4	3.0	5.5	1.2
74 Degrees or More.....	16.3	1.8	2.8	9.3	2.5
Don't Know/No Answer.....	6.4	0.9	0.7	2.8	1.9
Heat Turned Off.....	5.4	Q	N	1.6	3.7
Do Not Use Space Heating.....	1.3	Q	Q	0.4	0.7

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Secondary Heating					
Use Any Secondary Heating Equipment					
Yes.....	34.9	4.4	9.4	11.8	9.3
No.....	74.9	16.1	16.2	28.5	14.1
Proportion of Heat Provided by Secondary Heating Equipment					
Close to One-Half.....	4.4	0.5	0.9	1.3	1.6
About One-Quarter.....	5.8	0.8	1.5	2.0	1.5
Very Little or None.....	24.7	3.2	6.9	8.5	6.1
Type of Supplemental Heating Equipment Used					
Heat Pump.....	0.6	N	Q	0.4	Q
Central Warm-Air Furnace.....	2.3	Q	0.9	0.7	0.6
Steam/Hot Water System.....	Q	Q	Q	N	Q
Built-in Electric Units.....	2.2	0.4	0.6	0.4	0.7
Built-in Pipeless Furnace.....	0.3	Q	Q	Q	Q
Built-in Room Heaters.....	1.4	0.3	0.4	0.6	Q
Heating Stove.....	2.1	0.6	0.4	0.4	0.6
Portable Electric Heaters.....	14.3	2.0	3.8	4.8	3.7
Portable Kerosene Heaters.....	0.6	Q	Q	0.3	N
Cooking Stove.....	0.5	Q	Q	Q	Q
Fireplace.....	10.5	0.7	2.7	3.9	3.2
Fireplace Fuel					
Wood.....	6.9	0.4	1.8	2.7	2.0
Natural Gas.....	2.7	Q	0.8	0.6	1.1
Propane.....	0.9	Q	Q	0.6	Q
Use of Gas Fireplace During Winter Months					
Most Days.....	1.2	Q	0.4	0.4	0.3
About Once a Week.....	1.3	Q	0.4	0.4	0.4
Less than 4 Times each Month.....	1.1	Q	Q	0.4	0.4
Humidifier Use Each Year					
Use a Humidifier.....	14.2	3.0	6.0	3.2	1.9
1 to 3 Months Each Year.....	7.1	1.4	2.6	1.8	1.2
4 to 6 Months Each Year.....	5.6	1.2	3.0	1.0	0.4
7 to 9 Months Each Year.....	0.4	Q	Q	Q	Q
10 to 11 months.....	Q	N	Q	Q	Q
Turned on All Year Long.....	1.1	0.3	0.3	0.3	0.2
Do Not Use a Humidifier.....	96.9	17.5	19.6	37.5	22.2

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.