

Table HC12.5 Space Heating Usage Indicators by Midwest Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Midwest Census Region		
		Total Midwest	Census Division	
			East North Central	West North Central
Total U.S. Housing Units	111.1	25.6	17.7	7.9
Do Not Have Heating Equipment	1.2	Q	Q	N
Have Space Heating Equipment	109.8	25.6	17.7	7.9
Use Space Heating Equipment.....	109.1	25.6	17.7	7.9
Have But Do Not Use Equipment.....	0.8	N	N	N
Space Heating Usage During 2005				
Heated Floorspace (Square Feet)				
None.....	3.6	0.5	Q	Q
1 to 499.....	6.1	0.9	0.6	0.2
500 to 999.....	27.7	5.7	3.6	2.1
1,000 to 1,499.....	26.0	5.2	3.9	1.3
1,500 to 1,999.....	17.6	3.9	2.7	1.2
2,000 to 2,499.....	10.7	2.8	1.8	1.0
2,500 to 2,999.....	7.7	2.2	1.6	0.6
3,000 to 3,499.....	3.8	1.5	1.0	0.6
3,500 to 3,999.....	2.6	1.1	0.7	0.3
4,000 or More.....	5.2	1.9	1.4	0.5
Total Number of Rooms (Excluding Bathrooms)				
0.....	2.1	0.5	Q	Q
1 or 2.....	3.1	0.8	0.6	Q
3.....	8.3	1.3	0.7	0.6
4.....	16.6	3.2	2.2	1.0
5.....	23.3	5.5	3.9	1.6
6.....	22.6	5.2	3.3	1.9
7.....	16.3	3.8	2.8	1.0
8.....	9.7	2.6	1.8	0.8
9 or More.....	9.1	2.6	1.9	0.8
At Home Behavior				
Home Used for Business				
Yes.....	8.9	2.0	1.2	0.8
No.....	102.2	23.6	16.5	7.1
Someone Home All Day				
Yes.....	56.4	12.7	8.6	4.1
No.....	54.7	12.9	9.1	3.7
Housing Unit Characteristics Affecting Usage				
Adequacy of Insulation				
Well Insulated.....	42.8	10.6	7.2	3.4
Adequately Insulated.....	46.3	10.6	7.5	3.1
Poorly Insulated.....	19.0	3.7	2.6	1.1
No Insulation.....	1.4	Q	Q	Q
Don't Know.....	1.7	0.5	0.3	Q
Home is Too Drafty During the Winter				
Never.....	62.9	14.1	9.5	4.6
Some of the Time.....	32.4	7.0	4.9	2.1
Most of the Time.....	6.1	1.5	1.3	0.2
All of the Time.....	5.6	1.7	1.4	0.3
Don't Know.....	4.1	1.3	0.7	0.6

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			East North Central	West North Central
Unusually High Ceilings				
Yes.....	27.2	6.1	4.1	2.0
No.....	76.9	18.8	13.2	5.5
Not Asked (Mobile Homes).....	6.9	0.8	0.4	0.3
Cathedral Ceilings (In Housing Units with High Ceilings)				
Yes.....	17.1	3.6	2.5	1.1
No.....	10.1	2.5	1.6	0.9
Type of Glass in Windows				
Single-pane Glass.....	50.7	8.5	5.6	2.9
Double-pane Glass				
Without Low-e Coating.....	50.6	13.6	9.7	3.9
With Low-e Coating.....	8.0	2.9	2.0	0.9
Triple-pane Glass				
Without Low-e Coating.....	1.0	0.5	0.4	Q
With Low-e Coating.....	0.3	Q	Q	Q
Proportion of Original Windows Replaced				
All.....	22.4	6.1	5.1	1.0
Some.....	21.6	5.4	3.8	1.6
None.....	62.3	13.1	8.3	4.8
Don't Know.....	4.7	1.0	0.6	0.4
Thermostats				
Do Not Have a Thermostat.....	15.3	1.9	1.1	0.7
Have a Thermostat.....	95.8	23.7	16.6	7.1
1.....	84.5	21.3	15.1	6.1
2 or More.....	11.3	2.5	1.5	1.0
Have a Programmable Thermostat				
Yes.....	33.1	8.3	6.0	2.3
No.....	62.7	15.4	10.6	4.8
Use of Programmable Thermostats				
Reduces Temperature During Day				
Yes.....	18.6	4.7	3.5	1.2
No.....	14.5	3.6	2.5	1.1
Reduces Temperature at Night				
Yes.....	21.5	5.4	3.9	1.5
No.....	11.6	2.9	2.1	0.8

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Winter 2005 Temperature Settings

Lower Temperature Settings

Daytime When No One is at Home

Yes.....	40.5	11.7	8.1	3.6
No.....	59.1	13.0	9.1	3.9
Unknown.....	11.4	0.9	0.5	0.3

During Sleeping Hours

Yes.....	40.7	11.0	7.5	3.5
No.....	60.2	13.8	9.8	4.0
Unknown.....	10.2	0.8	0.5	0.3

Daytime Setting When No One is at Home

Heat Turned On.....	93.7	24.7	17.2	7.5
63 Degrees or Less.....	18.9	4.7	3.6	1.2
64 to 66 Degrees.....	17.4	5.0	3.2	1.7
67 to 69 Degrees.....	17.8	5.5	4.0	1.5
70 Degrees.....	16.0	4.2	2.6	1.5
71 to 73 Degrees.....	10.2	3.1	2.4	0.7
74 Degrees or More.....	13.5	2.2	1.4	0.8
Don't Know/No Answer.....	7.4	0.8	0.5	0.3
Heat Turned Off.....	8.7	Q	Q	N
Do Not Use Space Heating.....	1.3	Q	Q	N

Daytime Setting When Someone is at Home

Heat Turned On.....	101.5	24.9	17.4	7.5
63 Degrees or Less.....	4.1	0.8	0.5	Q
64 to 66 Degrees.....	8.2	1.9	1.4	0.5
67 to 69 Degrees.....	23.6	6.8	4.8	2.0
70 Degrees.....	24.6	6.1	4.2	1.9
71 to 73 Degrees.....	17.6	5.2	3.6	1.5
74 Degrees or More.....	23.2	4.2	2.8	1.4
Don't Know/No Answer.....	6.0	0.6	0.3	0.3
Heat Turned Off.....	2.3	N	N	N
Do Not Use Space Heating.....	1.3	Q	Q	N

Setting During Sleeping Hours

Heat Turned On.....	98.1	24.8	17.3	7.5
63 Degrees or Less.....	13.0	2.8	1.8	1.0
64 to 66 Degrees.....	18.4	5.2	3.6	1.5
67 to 69 Degrees.....	20.8	6.8	5.0	1.9
70 Degrees.....	18.5	4.3	2.9	1.3
71 to 73 Degrees.....	11.1	3.0	2.1	0.9
74 Degrees or More.....	16.3	2.8	1.8	0.9
Don't Know/No Answer.....	6.4	0.7	0.4	0.3
Heat Turned Off.....	5.4	N	N	N
Do Not Use Space Heating.....	1.3	Q	Q	N

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Secondary Heating				
Use Any Secondary Heating Equipment				
Yes.....	34.9	9.4	6.3	3.0
No.....	74.9	16.2	11.3	4.8
Proportion of Heat Provided by Secondary Heating Equipment				
Close to One-Half.....	4.4	0.9	0.7	Q
About One-Quarter.....	5.8	1.5	0.9	0.6
Very Little or None.....	24.7	6.9	4.7	2.2
Type of Supplemental Heating Equipment Used				
Heat Pump.....	0.6	Q	Q	Q
Central Warm-Air Furnace.....	2.3	0.9	0.5	0.3
Steam/Hot Water System.....	Q	Q	Q	N
Built-in Electric Units.....	2.2	0.6	0.4	0.3
Built-in Pipeless Furnace.....	0.3	Q	N	Q
Built-in Room Heaters.....	1.4	0.4	0.3	Q
Heating Stove.....	2.1	0.4	Q	Q
Portable Electric Heaters.....	14.3	3.8	2.9	0.9
Portable Kerosene Heaters.....	0.6	Q	Q	Q
Cooking Stove.....	0.5	Q	Q	Q
Fireplace.....	10.5	2.7	1.6	1.1
Fireplace Fuel				
Wood.....	6.9	1.8	1.0	0.7
Natural Gas.....	2.7	0.8	0.4	0.4
Propane.....	0.9	Q	Q	N
Use of Gas Fireplace During Winter Months				
Most Days.....	1.2	0.4	Q	Q
About Once a Week.....	1.3	0.4	Q	Q
Less than 4 Times each Month.....	1.1	Q	Q	Q
Humidifier Use Each Year				
Use a Humidifier.....	14.2	6.0	4.3	1.7
1 to 3 Months Each Year.....	7.1	2.6	1.7	0.9
4 to 6 Months Each Year.....	5.6	3.0	2.3	0.7
7 to 9 Months Each Year.....	0.4	Q	Q	Q
10 to 11 months.....	Q	Q	Q	N
Turned on All Year Long.....	1.1	0.3	Q	Q
Do Not Use a Humidifier.....	96.9	19.6	13.4	6.1

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.