

**Table HC4.5 Space Heating Usage Indicators by Renter-Occupied Housing Unit, 2 Million U.S. Housing Units**

Space Heating Usage Indicators	Housing Units (millions)	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit			
			Single-Family Units		Apartments in Buildings With--	
			Detached	Attached	2 to 4 Units	5 or More Units
<b>Total U.S. Housing Units.....</b>	111.1	33.0	8.0	3.4	5.9	14.4
<b>Do Not Have Heating Equipment.....</b>	1.2	0.6	Q	Q	Q	0.3
<b>Have Space Heating Equipment.....</b>	109.8	32.3	8.0	3.3	5.8	14.1
Use Space Heating Equipment.....	109.1	31.8	8.0	3.2	5.6	13.9
Have But Do Not Use Equipment.....	0.8	0.5	N	Q	Q	Q
<b>Space Heating Usage During 2005</b>						
<b>Heated Floorspace (Square Feet)</b>						
None.....	3.6	2.1	Q	Q	0.4	1.1
1 to 499.....	6.1	3.3	0.4	Q	0.8	1.8
500 to 999.....	27.7	15.9	2.1	1.4	3.4	8.2
1,000 to 1,499.....	26.0	7.6	2.5	1.0	1.1	2.9
1,500 to 1,999.....	17.6	2.3	1.5	0.3	0.2	0.3
2,000 to 2,499.....	10.7	0.7	0.4	0.2	Q	Q
2,500 to 2,999.....	7.7	0.5	0.4	Q	N	Q
3,000 to 3,499.....	3.8	Q	Q	N	N	N
3,500 to 3,999.....	2.6	Q	Q	N	N	N
4,000 or More.....	5.2	0.2	0.2	N	N	Q
<b>Total Number of Rooms (Excluding Bathrooms)</b>						
0.....	2.1	1.3	Q	Q	Q	0.7
1 or 2.....	3.1	2.7	Q	Q	0.4	2.2
3.....	8.3	6.9	0.4	0.6	1.2	4.4
4.....	16.6	9.3	1.2	1.2	2.1	4.4
5.....	23.3	7.1	2.4	0.7	1.6	2.2
6.....	22.6	3.4	2.1	0.5	0.3	0.4
7.....	16.3	1.4	1.0	0.2	Q	Q
8.....	9.7	0.6	0.4	Q	Q	N
9 or More.....	9.1	0.4	0.4	N	Q	Q
<b>At Home Behavior</b>						
<b>Home Used for Business</b>						
Yes.....	8.9	1.1	0.5	Q	Q	0.4
No.....	102.2	31.9	7.5	3.4	5.7	14.1
<b>Someone Home All Day</b>						
Yes.....	56.4	15.0	4.4	1.6	2.7	5.8
No.....	54.7	17.9	3.6	1.9	3.2	8.6
<b>Housing Unit Characteristics Affecting Usage</b>						
<b>Adequacy of Insulation</b>						
Well Insulated.....	42.8	10.0	2.0	0.8	1.8	5.1
Adequately Insulated.....	46.3	13.3	3.0	1.5	2.2	6.1
Poorly Insulated.....	19.0	7.9	2.6	0.8	1.4	2.5
No Insulation.....	1.4	0.5	Q	Q	Q	Q
Don't Know.....	1.7	1.3	Q	0.3	0.3	0.5
<b>Home is Too Drafty During the Winter</b>						
Never.....	62.9	15.3	3.5	1.4	2.6	7.5
Some of the Time.....	32.4	9.9	2.6	1.1	1.9	3.8
Most of the Time.....	6.1	2.6	0.8	0.2	0.7	0.9
All of the Time.....	5.6	2.5	0.8	0.4	0.3	0.9
Don't Know.....	4.1	2.6	0.4	0.4	0.4	1.4

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			Single-Family Units		Apartments in Buildings With--	
			Detached	Attached	2 to 4 Units	5 or More Units
<b>Unusually High Ceilings</b>						
Yes.....	27.2	3.6	1.3	0.3	0.7	1.3
No.....	76.9	28.2	6.7	3.1	5.2	13.2
Not Asked (Mobile Homes).....	6.9	1.2	N	N	N	N
<b>Cathedral Ceilings</b> (In Housing Units with High Ceilings)						
Yes.....	17.1	1.6	0.6	Q	Q	0.6
No.....	10.1	2.0	0.6	Q	0.6	0.7
<b>Type of Glass in Windows</b>						
Single-pane Glass.....	50.7	20.1	5.3	2.3	3.4	8.2
Double-pane Glass						
Without Low-e Coating.....	50.6	12.1	2.4	1.2	2.4	5.9
With Low-e Coating.....	8.0	0.5	Q	N	Q	Q
Triple-pane Glass						
Without Low-e Coating.....	1.0	Q	Q	N	N	Q
With Low-e Coating.....	0.3	N	N	N	N	N
<b>Proportion of Original Windows Replaced</b>						
All.....	22.4	5.6	1.3	0.5	1.5	2.2
Some.....	21.6	3.5	1.3	0.5	0.6	0.9
None.....	62.3	20.1	4.9	1.8	3.1	9.6
Don't Know.....	4.7	3.8	0.5	0.7	0.7	1.8
<b>Thermostats</b>						
<b>Do Not Have a Thermostat.....</b>	15.3	7.5	1.2	0.5	1.4	4.2
<b>Have a Thermostat.....</b>	95.8	25.4	6.8	2.9	4.6	10.2
1.....	84.5	23.8	6.5	2.7	4.3	9.3
2 or More.....	11.3	1.7	0.3	0.2	0.2	0.9
<b>Have a Programmable Thermostat</b>						
Yes.....	33.1	5.4	1.9	0.5	1.0	1.6
No.....	62.7	20.1	4.9	2.3	3.5	8.6
<b>Use of Programmable Thermostats</b>						
<b>Reduces Temperature During Day</b>						
Yes.....	18.6	2.3	0.7	0.2	0.6	0.7
No.....	14.5	3.0	1.2	0.4	0.4	1.0
<b>Reduces Temperature at Night</b>						
Yes.....	21.5	2.9	0.9	0.3	0.6	0.9
No.....	11.6	2.5	1.0	0.3	0.4	0.7

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			Single-Family Units		Apartments in Buildings With--	
			Detached	Attached	2 to 4 Units	5 or More Units

**Winter 2005 Temperature Settings**

**Lower Temperature Settings**

**Daytime When No One is at Home**

Yes.....	40.5	9.2	3.0	1.2	1.5	3.1
No.....	59.1	17.8	4.0	1.7	3.3	8.1
Unknown.....	11.4	6.0	1.0	0.6	1.1	3.1

**During Sleeping Hours**

Yes.....	40.7	7.4	2.2	0.7	1.3	3.0
No.....	60.2	20.1	4.9	2.2	3.6	8.5
Unknown.....	10.2	5.5	0.9	0.6	1.0	3.0

**Daytime Setting When No One is at Home**

Heat Turned On.....	93.7	25.1	6.7	2.7	4.3	10.3
63 Degrees or Less.....	18.9	5.0	1.6	0.6	1.0	1.6
64 to 66 Degrees.....	17.4	3.9	1.0	0.5	0.6	1.6
67 to 69 Degrees.....	17.8	3.3	0.9	0.3	0.7	1.3
70 Degrees.....	16.0	5.7	1.1	0.5	0.9	2.9
71 to 73 Degrees.....	10.2	2.4	0.7	0.3	0.5	0.8
74 Degrees or More.....	13.5	4.8	1.3	0.4	0.8	2.1
Don't Know/No Answer.....	7.4	3.9	0.7	0.4	0.7	2.1
Heat Turned Off.....	8.7	3.4	0.6	0.2	0.8	1.7
Do Not Use Space Heating.....	1.3	0.6	Q	Q	Q	0.3

**Daytime Setting When Someone is at Home**

Heat Turned On.....	101.5	27.6	7.1	2.9	5.0	11.6
63 Degrees or Less.....	4.1	1.7	0.5	Q	0.5	0.6
64 to 66 Degrees.....	8.2	2.1	0.5	0.3	0.4	0.7
67 to 69 Degrees.....	23.6	4.1	1.0	0.4	0.9	1.6
70 Degrees.....	24.6	7.6	1.6	0.9	1.1	3.7
71 to 73 Degrees.....	17.6	3.6	1.1	0.5	0.6	1.3
74 Degrees or More.....	23.2	8.5	2.4	0.8	1.3	3.7
Don't Know/No Answer.....	6.0	3.5	0.7	0.4	0.6	1.8
Heat Turned Off.....	2.3	1.2	0.3	Q	Q	0.7
Do Not Use Space Heating.....	1.3	0.6	Q	Q	Q	0.3

**Setting During Sleeping Hours**

Heat Turned On.....	98.1	26.6	6.9	2.8	4.7	11.1
63 Degrees or Less.....	13.0	2.8	0.9	Q	0.8	1.0
64 to 66 Degrees.....	18.4	3.6	0.9	0.4	0.6	1.5
67 to 69 Degrees.....	20.8	3.9	1.0	0.5	0.8	1.5
70 Degrees.....	18.5	6.7	1.5	0.6	1.0	3.2
71 to 73 Degrees.....	11.1	2.9	0.9	0.4	0.4	1.1
74 Degrees or More.....	16.3	6.7	1.7	0.8	1.2	2.8
Don't Know/No Answer.....	6.4	3.5	0.7	0.3	0.6	1.9
Heat Turned Off.....	5.4	2.2	0.4	Q	0.5	1.1
Do Not Use Space Heating.....	1.3	0.6	Q	Q	Q	0.3

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			Single-Family Units		Apartments in Buildings With--	
			Detached	Attached	2 to 4 Units	5 or More Units
<b>Secondary Heating</b>						
<b>Use Any Secondary Heating Equipment</b>						
Yes.....	34.9	5.2	2.2	0.5	0.8	1.5
No.....	74.9	27.1	5.8	2.8	5.0	12.6
<b>Proportion of Heat Provided by Secondary Heating Equipment</b>						
Close to One-Half.....	4.4	0.9	0.3	Q	Q	0.4
About One-Quarter.....	5.8	0.8	0.4	Q	Q	0.2
Very Little or None.....	24.7	3.5	1.5	0.5	0.6	0.9
<b>Type of Supplemental Heating Equipment Used</b>						
Heat Pump.....	0.6	Q	N	N	N	Q
Central Warm-Air Furnace.....	2.3	Q	Q	N	Q	Q
Steam/Hot Water System.....	Q	N	N	N	N	N
Built-in Electric Units.....	2.2	0.3	Q	Q	Q	Q
Built-in Pipeless Furnace.....	0.3	Q	N	N	Q	N
Built-in Room Heaters.....	1.4	Q	Q	N	N	N
Heating Stove.....	2.1	Q	Q	N	N	N
Portable Electric Heaters.....	14.3	3.4	1.3	0.4	0.5	1.1
Portable Kerosene Heaters.....	0.6	Q	Q	N	N	N
Cooking Stove.....	0.5	0.2	Q	Q	Q	Q
Fireplace.....	10.5	0.8	0.4	Q	Q	Q
<b>Fireplace Fuel</b>						
Wood.....	6.9	0.5	0.3	Q	Q	Q
Natural Gas.....	2.7	0.2	Q	Q	Q	Q
Propane.....	0.9	N	N	N	N	N
<b>Use of Gas Fireplace During Winter Months</b>						
Most Days.....	1.2	Q	Q	Q	Q	Q
About Once a Week.....	1.3	Q	Q	Q	N	N
Less than 4 Times each Month.....	1.1	Q	Q	N	N	N
<b>Humidifier Use Each Year</b>						
Use a Humidifier.....	14.2	2.2	0.6	0.3	0.2	1.1
1 to 3 Months Each Year.....	7.1	1.5	0.4	0.3	Q	0.7
4 to 6 Months Each Year.....	5.6	0.5	Q	Q	Q	0.3
7 to 9 Months Each Year.....	0.4	Q	Q	N	N	N
10 to 11 months.....	Q	N	N	N	N	N
Turned on All Year Long.....	1.1	0.2	Q	Q	Q	Q
Do Not Use a Humidifier.....	96.9	30.8	7.4	3.1	5.7	13.4

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

2005

Unit

Mobile  
Homes

1.2

Q

1.1

1.1

Q

Q

Q

0.8

Q

Q

N

N

N

N

N

Q

N

Q

0.5

0.3

Q

Q

N

N

Q

1.2

0.6

0.6

0.2

0.4

0.5

N

Q

0.4

0.5

Q

Q

Q

2005

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nit

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Mobile  
Homes

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N  
N  
1.2

N  
N

0.9

0.3  
Q

N  
N

Q  
Q  
0.8  
Q

Q  
1.0  
1.0  
Q

0.3  
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Q  
Q

Q  
Q

2005

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nit

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Mobile  
Homes

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0.4  
0.7  
Q

Q  
0.9  
Q

1.0  
Q  
Q  
Q  
0.2  
Q  
Q  
Q  
Q  
Q

1.1  
Q  
Q  
Q  
0.3  
Q  
0.3  
Q  
N  
Q

1.0  
Q  
0.2  
Q  
0.3  
Q  
0.3  
Q  
Q  
Q

2005

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unit

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Mobile  
Homes

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0.2  
0.9

Q  
Q  
Q

N  
Q  
N  
Q  
Q  
N  
N  
Q  
Q  
N  
Q

Q  
N  
N

N  
N  
N

Q  
Q  
Q  
N  
N  
N  
1.1

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were sampled.