

**Table HC12.9 Home Appliances Characteristics by Midwest Census Region, 2005**  
**Million U.S. Housing Units**

Home Appliances Characteristics	U.S. Housing Units (millions)	Midwest Census Region		
		Total Midwest	Census Division	
			East North Central	West North Central
<b>Total U.S.</b> .....	111.1	25.6	17.7	7.9
<b>Cooking Appliances</b>				
<b>Conventional Ovens</b>				
Use an Oven.....	109.6	25.3	17.6	7.7
1.....	103.3	24.0	16.8	7.3
2 or More.....	6.2	1.3	0.8	0.5
Do Not Use an Oven.....	1.5	0.3	Q	Q
<b>Most-Used Oven Fuel</b>				
Electric.....	67.9	14.7	9.5	5.2
Natural Gas.....	36.4	9.6	7.5	2.1
Propane/LPG.....	5.2	1.1	0.7	0.4
<b>Self-Cleaning Oven</b>				
Use a Self-Cleaning Oven.....	62.9	16.1	11.4	4.7
Continuous.....	9.3	2.8	2.1	0.6
Manual Start.....	53.6	13.3	9.3	4.0
Do Not Use a Self-Cleaning Oven.....	46.7	9.2	6.1	3.1
<b>Cooking Ranges</b>				
Use a Cooking Range.....	109.8	25.5	17.7	7.8
1.....	105.5	24.6	17.1	7.5
2 or More.....	4.3	0.9	0.7	0.3
Do Not Use a Cooking Range.....	1.2	Q	Q	Q
<b>Most-Used Cooking Range Fuel</b>				
Electric.....	65.2	14.4	9.3	5.1
Natural Gas.....	39.0	10.0	7.7	2.3
Propane/LPG.....	5.6	1.1	0.7	0.4
<b>Built-in/Stove-top Grills</b>				
Use a Built-in/Stove-top Grill.....	4.9	0.7	0.5	Q
Do Not Use a Built-in/Stove-top Grill.....	106.2	24.9	17.2	7.7
<b>Built-in/Stove-top Grill Fuel</b>				
Electric.....	2.5	0.6	0.4	Q
Natural Gas.....	2.2	Q	Q	Q
Propane/LPG.....	Q	Q	Q	N
<b>Refrigerators</b>				
Use a Refrigerator.....	111.0	25.6	17.7	7.8
1.....	86.3	18.5	12.9	5.5
2 or More.....	24.6	7.1	4.8	2.3
Do Not Use a Refrigerator.....	Q	Q	N	Q
<b>Most-Used Refrigerator Defrost Method</b>				
Frost-Free.....	102.8	23.9	16.7	7.2
Manual.....	8.0	1.7	1.0	0.7
<b>Type of Most-Used Refrigerator</b>				
2-Doors (top and bottom).....	64.6	16.2	11.2	5.0
2-Doors (side-by-side).....	33.0	6.8	4.7	2.1
Full-Size (single door).....	12.1	2.4	1.6	0.7
Half-Size/Other.....	1.0	Q	Q	Q

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<b>Age of Most-Used Refrigerator</b>				
Less than 2 Years.....	19.0	3.9	2.6	1.3
2 to 4 Years.....	22.7	4.6	3.2	1.4
5 to 9 Years.....	30.9	7.4	5.3	2.1
10 to 19 Years.....	25.7	6.7	4.7	2.0
20 Years or More.....	6.1	1.5	1.1	0.4
Don't Know.....	6.7	1.5	0.8	0.7
<b>Size of Most-Used Refrigerator</b>				
Very Small (Less than 11 cf).....	0.7	Q	Q	N
Small (11-14 cf).....	5.4	1.2	0.9	0.4
Medium (15-18 cf).....	53.8	12.2	8.7	3.4
Large (19-22 cf).....	42.7	10.1	6.6	3.5
Very Large (More than 22 cf).....	8.5	2.0	1.4	0.6
<b>Through-the-Door Ice and Water Service</b>				
Yes.....	29.8	5.9	4.1	1.9
No.....	81.1	19.7	13.7	6.0
<b>Second Refrigerator</b>				
Use a Second Refrigerator.....	24.6	7.1	4.8	2.3
Do Not Use a Second Refrigerator.....	86.3	18.5	12.9	5.5
<b>Type of Second Refrigerator</b>				
2-Doors (top and bottom).....	7.5	2.6	1.9	0.7
2-Doors (side-by-side).....	8.6	2.2	1.4	0.8
Full-Size (single door).....	2.8	0.6	0.4	Q
Half-Size/Other.....	5.1	1.4	1.0	0.4
<b>Age of Second Refrigerator</b>				
Less than 2 Years.....	2.3	0.7	0.4	0.3
2 to 4 Years.....	3.8	0.9	0.6	0.4
5 to 9 Years.....	5.3	1.5	1.0	0.5
10 to 19 Years.....	8.6	2.5	1.9	0.6
20 Years or More.....	4.1	1.3	0.9	0.4
Don't Know.....	0.5	Q	Q	Q
<b>Size of Second Refrigerator</b>				
Very Small (Less than 11 cf).....	3.4	0.9	0.7	0.3
Small (11-14 cf).....	3.6	1.1	0.7	0.4
Medium (15-18 cf).....	10.5	2.9	1.8	1.1
Large (19-22 cf).....	6.2	2.0	1.5	0.5
Very Large (More than 22 cf).....	1.0	Q	Q	Q
<b>Separate Freezers</b>				
Do Not Use a Separate Freezer.....	76.0	15.4	11.3	4.2
Use a Separate Freezer.....	35.1	10.2	6.5	3.7
1.....	32.2	9.1	5.9	3.2
2 or More.....	2.9	1.0	0.6	0.5
<b>Most-Used Freezer Defrost Method</b>				
Frost-Free.....	14.3	3.7	2.3	1.4
Manual.....	20.8	6.5	4.2	2.3
<b>Type of Most-Used Freezer</b>				
Upright.....	17.0	4.7	3.0	1.7
Chest.....	18.1	5.5	3.5	2.0

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<b>Age of Most-Used Freezer</b>				
Less than 2 Years.....	3.5	1.0	0.6	0.4
2 to 4 Years.....	6.0	1.5	1.0	0.5
5 to 9 Years.....	7.8	2.4	1.6	0.9
10 to 19 Years.....	9.3	2.4	1.5	0.9
20 Years or More.....	7.6	2.8	1.8	1.0
Don't Know.....	0.7	Q	Q	Q
<b>Size of Most-Used Freezer</b>				
Very Small (Less than 11 cf).....	3.1	1.2	0.7	0.5
Small (11-14 cf).....	8.9	2.0	1.2	0.8
Medium (15-18 cf).....	12.7	3.7	2.5	1.2
Large (19-22 cf).....	8.0	2.3	1.4	0.9
Very Large (More than 22 cf).....	2.5	1.1	0.7	0.3
<b>Other Kitchen Appliances</b>				
<b>Dishwasher</b>				
Yes.....	64.7	14.7	9.8	5.0
No.....	46.4	10.9	8.0	2.9
<b>Age of Dishwasher</b>				
Less than 2 Years.....	11.5	2.5	1.6	0.9
2 to 4 Years.....	14.6	3.3	2.2	1.1
5 to 9 Years.....	19.2	4.7	3.1	1.6
10 to 19 Years.....	12.8	2.8	1.8	0.9
20 Years or More.....	3.3	0.6	0.5	Q
Don't Know.....	3.3	0.8	0.4	0.4
<b>Electric Coffee Maker</b>				
Yes.....	67.2	16.2	10.8	5.3
No.....	43.9	9.4	6.9	2.5
<b>Electric Toaster Oven</b>				
Yes.....	37.3	6.5	4.6	1.9
No.....	73.8	19.1	13.2	6.0
<b>Microwave Oven</b>				
Yes.....	97.7	23.2	16.1	7.1
No.....	13.4	2.4	1.6	0.8
<b>Clothes Washers and Dryers</b>				
<b>Clothes Washer</b>				
Do Not Use a Clothes Washer.....	19.3	3.6	2.4	1.2
Use a Clothes Washer.....	91.8	22.0	15.3	6.7
Top Loading.....	84.1	20.2	14.1	6.1
Front Loading.....	7.7	1.8	1.2	0.6
<b>Age of Clothes Washer</b>				
Less than 2 Years.....	15.7	3.2	2.1	1.1
2 to 4 Years.....	21.1	4.0	2.6	1.4
5 to 9 Years.....	28.9	7.0	4.9	2.1
10 to 19 Years.....	19.9	6.3	4.7	1.7
20 Years or More.....	4.1	1.1	0.8	0.3
Don't Know.....	2.2	0.4	0.3	Q

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<b>Clothes Dryer</b>				
Do Not Use a Clothes Dryer.....	23.6	3.9	2.7	1.2
Use a Clothes Dryer.....	87.5	21.7	15.1	6.6
Electric.....	67.2	14.9	9.9	5.0
Natural Gas.....	19.4	6.4	5.0	1.4
Propane/LPG.....	0.9	0.4	Q	Q
<b>Age of Clothes Dryer</b>				
Less than 2 Years.....	14.0	3.2	2.1	1.1
2 to 4 Years.....	18.7	3.8	2.6	1.2
5 to 9 Years.....	27.9	7.0	4.9	2.1
10 to 19 Years.....	19.5	5.7	4.0	1.7
20 Years or More.....	5.1	1.6	1.1	0.4
Don't Know.....	2.3	0.5	0.3	Q
<b>Other Appliances</b>				
Use Ceiling Fans.....	77.2	19.3	13.1	6.2
1.....	21.7	5.3	4.0	1.3
2.....	17.4	4.4	3.0	1.4
3.....	12.3	3.4	2.3	1.1
4 or More.....	25.8	6.1	3.7	2.3
Auto Block/Engine/Battery Heater.....	0.8	0.4	Q	Q
Electric Dehumidifier.....	13.3	6.1	5.0	1.2
Electric Humidifier.....	14.2	6.0	4.3	1.7
Evaporative/Swamp Cooler.....	3.4	Q	Q	N
Filter Systems in Swimming Pools.....	8.3	1.5	1.2	Q
Heated Aquarium.....	4.2	1.0	0.6	0.4
Outdoor Gas Light.....	1.3	0.3	Q	Q
Rechargeable Tools/Appliances.....	54.9	13.6	8.8	4.8
Well Water Pumps.....	14.1	3.6	2.5	1.1

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.