

**Table HC7.9 Home Appliances Characteristics by Household Income, 2005**  
**Million U.S. Housing Units**

Home Appliances Characteristics	Housing Units (millions)	2005 Household Income					Below Poverty Line	Eligible for Federal Assistance <sup>1</sup>
		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
<b>Total U.S.</b> .....	111.1	26.7	28.8	20.6	13.1	22.0	16.6	38.6
<b>Cooking Appliances</b>								
<b>Conventional Ovens</b>								
Use an Oven.....	109.6	26.1	28.5	20.2	12.9	21.8	16.3	37.8
1.....	103.3	25.1	27.1	19.2	12.3	19.6	15.8	36.3
2 or More.....	6.2	0.9	1.4	1.0	0.6	2.2	0.5	1.5
Do Not Use an Oven.....	1.5	0.7	0.3	0.3	Q	Q	0.4	0.8
<b>Most-Used Oven Fuel</b>								
Electric.....	67.9	15.0	17.4	12.1	8.3	15.1	8.8	21.3
Natural Gas.....	36.4	9.7	9.4	7.4	4.0	5.9	6.6	14.4
Propane/LPG.....	5.2	1.3	1.7	0.7	0.6	0.8	0.9	2.0
<b>Self-Cleaning Oven</b>								
Use a Self-Cleaning Oven.....	62.9	8.8	14.2	12.6	9.3	18.0	5.1	14.4
Continuous.....	9.3	1.5	2.2	2.1	1.3	2.3	0.7	2.3
Manual Start.....	53.6	7.4	12.1	10.4	8.0	15.7	4.4	12.0
Do Not Use a Self-Cleaning Oven.....	46.7	17.3	14.3	7.7	3.7	3.8	11.2	23.4
<b>Cooking Ranges</b>								
Use a Cooking Range.....	109.8	26.2	28.5	20.3	13.0	21.9	16.3	37.9
1.....	105.5	25.3	27.3	19.5	12.6	20.9	15.8	36.4
2 or More.....	4.3	0.9	1.2	0.8	0.4	1.0	0.5	1.4
Do Not Use a Cooking Range.....	1.2	0.6	0.2	0.3	Q	Q	0.3	0.7
<b>Most-Used Cooking Range Fuel</b>								
Electric.....	65.2	15.1	17.2	11.7	7.9	13.3	8.8	21.2
Natural Gas.....	39.0	9.7	9.6	7.7	4.4	7.5	6.6	14.6
Propane/LPG.....	5.6	1.3	1.7	0.9	0.7	1.0	0.8	2.0
<b>Built-in/Stove-top Grills</b>								
Use a Built-in/Stove-top Grill.....	4.9	0.8	0.9	0.9	0.7	1.6	0.5	1.5
Do Not Use a Built-in/Stove-top Grill.....	106.2	25.9	27.8	19.7	12.4	20.4	16.2	37.1
<b>Built-in/Stove-top Grill Fuel</b>								
Electric.....	2.5	Q	0.3	0.5	0.4	1.0	Q	0.4
Natural Gas.....	2.2	0.5	0.6	0.3	Q	0.5	0.3	1.0
Propane/LPG.....	Q	Q	Q	N	Q	Q	Q	Q
<b>Refrigerators</b>								
Use a Refrigerator.....	111.0	26.7	28.8	20.6	13.0	22.0	16.6	38.5
1.....	86.3	24.3	23.8	16.1	9.2	13.0	15.1	33.9
2 or More.....	24.6	2.4	4.9	4.5	3.8	9.0	1.5	4.5
Do Not Use a Refrigerator.....	Q	Q	Q	N	Q	N	Q	Q
<b>Most-Used Refrigerator Defrost Method</b>								
Frost-Free.....	102.8	23.3	26.1	19.6	12.6	21.3	14.2	33.5
Manual.....	8.0	3.3	2.6	1.0	0.5	0.6	2.3	4.9
<b>Type of Most-Used Refrigerator</b>								
2-Doors (top and bottom).....	64.6	19.3	18.2	11.2	6.0	9.9	11.8	27.0
2-Doors (side-by-side).....	33.0	3.2	6.7	7.2	5.7	10.2	2.2	6.1
Full-Size (single door).....	12.1	3.7	3.7	1.9	1.2	1.6	2.3	4.9
Half-Size/Other.....	1.0	0.4	Q	Q	Q	Q	0.3	0.5

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		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
<b>Age of Most-Used Refrigerator</b>								
Less than 2 Years.....	19.0	4.4	4.5	3.3	2.4	4.3	3.2	6.4
2 to 4 Years.....	22.7	4.5	5.9	4.6	2.7	5.0	3.3	7.4
5 to 9 Years.....	30.9	6.3	8.2	6.2	3.9	6.4	3.9	9.5
10 to 19 Years.....	25.7	6.6	6.5	4.7	2.9	4.9	3.4	8.8
20 Years or More.....	6.1	1.8	1.9	1.0	0.6	0.8	1.0	2.3
Don't Know.....	6.7	3.1	1.9	0.8	0.5	0.5	2.0	4.1
<b>Size of Most-Used Refrigerator</b>								
Very Small (Less than 11 cf).....	0.7	0.5	Q	Q	Q	N	0.4	0.6
Small (11-14 cf).....	5.4	2.5	1.4	0.7	0.3	0.5	1.4	3.0
Medium (15-18 cf).....	53.8	16.0	15.9	9.5	5.5	6.8	9.9	22.5
Large (19-22 cf).....	42.7	7.1	9.8	9.0	5.7	11.2	4.7	11.3
Very Large (More than 22 cf).....	8.5	0.6	1.5	1.3	1.5	3.5	0.3	1.2
<b>Through-the-Door Ice and Water Service</b>								
Yes.....	29.8	2.4	5.9	6.3	5.2	10.0	1.6	4.9
No.....	81.1	24.3	22.9	14.3	7.8	11.9	15.0	33.6
<b>Second Refrigerator</b>								
Use a Second Refrigerator.....	24.6	2.4	4.9	4.5	3.8	9.0	1.5	4.5
Do Not Use a Second Refrigerator.....	86.3	24.3	23.8	16.1	9.2	13.0	15.1	33.9
<b>Type of Second Refrigerator</b>								
2-Doors (top and bottom).....	7.5	0.6	1.6	1.5	1.1	2.6	0.3	1.4
2-Doors (side-by-side).....	8.6	0.5	1.5	1.5	1.5	3.5	0.3	1.2
Full-Size (single door).....	2.8	0.4	0.5	0.5	0.5	0.9	0.3	0.6
Half-Size/Other.....	5.1	0.7	1.1	1.0	0.6	1.6	0.5	1.1
<b>Age of Second Refrigerator</b>								
Less than 2 Years.....	2.3	Q	0.5	0.4	0.4	0.8	Q	0.4
2 to 4 Years.....	3.8	0.4	0.7	0.7	0.7	1.4	0.3	0.9
5 to 9 Years.....	5.3	0.5	1.1	0.9	0.6	2.2	0.4	1.1
10 to 19 Years.....	8.6	0.8	1.4	1.6	1.3	3.4	0.4	1.4
20 Years or More.....	4.1	0.4	1.2	0.8	0.7	1.0	Q	0.6
Don't Know.....	0.5	Q	Q	Q	Q	Q	Q	Q
<b>Size of Second Refrigerator</b>								
Very Small (Less than 11 cf).....	3.4	0.4	0.8	0.6	0.4	1.1	0.3	0.9
Small (11-14 cf).....	3.6	0.7	0.6	0.9	0.4	0.9	0.4	0.9
Medium (15-18 cf).....	10.5	1.0	2.2	1.9	1.6	3.8	0.5	1.9
Large (19-22 cf).....	6.2	0.3	1.0	0.9	1.3	2.7	0.2	0.8
Very Large (More than 22 cf).....	1.0	N	0.3	Q	Q	0.4	N	Q
<b>Separate Freezers</b>								
Do Not Use a Separate Freezer.....	76.0	20.3	20.1	13.2	8.3	14.1	12.9	28.4
Use a Separate Freezer.....	35.1	6.5	8.7	7.3	4.8	7.8	3.8	10.1
1.....	32.2	6.0	7.7	7.0	4.3	7.2	3.4	9.3
2 or More.....	2.9	0.5	1.0	0.4	0.5	0.6	0.3	0.8
<b>Most-Used Freezer Defrost Method</b>								
Frost-Free.....	14.3	2.7	3.5	2.8	1.7	3.6	1.6	4.3
Manual.....	20.8	3.8	5.2	4.5	3.1	4.2	2.1	5.9
<b>Type of Most-Used Freezer</b>								
Upright.....	17.0	2.8	3.8	3.2	2.5	4.6	1.4	4.2
Chest.....	18.1	3.7	4.9	4.1	2.3	3.2	2.4	6.0

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		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
<b>Age of Most-Used Freezer</b>								
Less than 2 Years.....	3.5	0.6	0.9	0.8	0.3	0.9	0.4	1.0
2 to 4 Years.....	6.0	0.9	1.6	1.4	0.8	1.3	0.6	1.8
5 to 9 Years.....	7.8	1.6	1.7	1.6	1.3	1.7	1.0	2.4
10 to 19 Years.....	9.3	1.6	2.1	1.9	1.5	2.3	0.9	2.4
20 Years or More.....	7.6	1.7	2.1	1.5	0.9	1.5	0.7	2.1
Don't Know.....	0.7	Q	0.4	Q	Q	Q	Q	0.4
<b>Size of Most-Used Freezer</b>								
Very Small (Less than 11 cf).....	3.1	0.7	0.9	0.6	0.3	0.5	0.5	1.0
Small (11-14 cf).....	8.9	1.7	2.5	2.1	1.2	1.5	1.1	3.0
Medium (15-18 cf).....	12.7	2.4	3.0	2.3	1.9	3.0	1.2	3.5
Large (19-22 cf).....	8.0	1.4	1.8	1.7	1.0	2.0	0.8	2.1
Very Large (More than 22 cf).....	2.5	0.2	0.5	0.6	0.4	0.8	Q	0.5
<b>Other Kitchen Appliances</b>								
<b>Dishwasher</b>								
Yes.....	64.7	7.3	14.8	13.7	10.0	18.9	4.2	12.8
No.....	46.4	19.5	13.9	6.8	3.1	3.1	12.5	25.8
<b>Age of Dishwasher</b>								
Less than 2 Years.....	11.5	0.8	2.6	2.2	2.0	3.8	0.6	2.1
2 to 4 Years.....	14.6	1.3	3.3	3.2	2.0	4.8	0.9	2.6
5 to 9 Years.....	19.2	1.9	4.1	4.4	3.1	5.8	1.0	3.1
10 to 19 Years.....	12.8	1.5	2.9	2.8	2.0	3.7	0.8	2.5
20 Years or More.....	3.3	0.8	1.0	0.6	0.4	0.5	0.4	1.1
Don't Know.....	3.3	0.9	1.1	0.5	0.4	0.4	0.4	1.4
<b>Electric Coffee Maker</b>								
Yes.....	67.2	13.6	16.7	12.7	8.4	15.7	8.1	19.8
No.....	43.9	13.2	12.0	7.8	4.6	6.2	8.5	18.7
<b>Electric Toaster Oven</b>								
Yes.....	37.3	7.3	9.0	7.7	4.6	8.7	4.5	10.9
No.....	73.8	19.4	19.8	12.9	8.5	13.3	12.2	27.6
<b>Microwave Oven</b>								
Yes.....	97.7	21.9	25.0	18.2	11.9	20.6	13.6	31.9
No.....	13.4	4.8	3.8	2.3	1.2	1.3	3.1	6.7
<b>Clothes Washers and Dryers</b>								
<b>Clothes Washer</b>								
Do Not Use a Clothes Washer.....	19.3	9.5	5.7	2.1	1.0	1.0	6.3	11.9
Use a Clothes Washer.....	91.8	17.2	23.1	18.4	12.1	21.0	10.3	26.7
Top Loading.....	84.1	16.8	21.6	17.0	10.9	17.8	10.0	25.6
Front Loading.....	7.7	0.4	1.5	1.4	1.2	3.2	0.3	1.1
<b>Age of Clothes Washer</b>								
Less than 2 Years.....	15.7	2.1	4.0	3.2	2.3	4.1	1.4	4.0
2 to 4 Years.....	21.1	3.2	5.1	4.6	2.9	5.2	2.3	5.7
5 to 9 Years.....	28.9	5.7	7.1	5.5	4.1	6.5	3.6	8.6
10 to 19 Years.....	19.9	4.3	5.0	4.1	2.1	4.3	1.9	5.9
20 Years or More.....	4.1	1.0	1.3	0.7	0.4	0.6	0.5	1.3
Don't Know.....	2.2	0.8	0.6	0.3	Q	Q	0.5	1.2

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		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
<b>Clothes Dryer</b>								
Do Not Use a Clothes Dryer.....	23.6	11.7	7.0	2.7	1.1	1.0	7.8	14.8
Use a Clothes Dryer.....	87.5	15.1	21.8	17.8	11.9	20.9	8.9	23.8
Electric.....	67.2	12.5	17.5	13.5	9.0	14.9	7.6	19.4
Natural Gas.....	19.4	2.5	4.0	4.2	2.8	5.8	1.2	4.3
Propane/LPG.....	0.9	Q	0.3	Q	Q	Q	N	Q
<b>Age of Clothes Dryer</b>								
Less than 2 Years.....	14.0	1.6	3.5	3.0	2.2	3.7	1.2	3.4
2 to 4 Years.....	18.7	2.7	4.5	4.2	2.4	4.9	1.8	4.8
5 to 9 Years.....	27.9	5.3	6.3	5.4	4.0	6.9	3.2	7.9
10 to 19 Years.....	19.5	3.6	5.1	4.1	2.6	4.1	1.7	5.0
20 Years or More.....	5.1	1.2	1.7	0.7	0.5	1.0	0.5	1.6
Don't Know.....	2.3	0.8	0.6	0.4	0.3	0.3	0.5	1.1
<b>Other Appliances</b>								
Use Ceiling Fans.....	77.2	15.1	19.8	15.8	9.7	16.8	8.8	22.8
1.....	21.7	6.7	5.8	3.9	2.1	3.1	4.1	8.8
2.....	17.4	3.5	4.8	3.7	1.8	3.6	2.0	5.5
3.....	12.3	2.1	3.3	2.7	2.0	2.2	1.4	3.5
4 or More.....	25.8	2.8	5.8	5.5	3.8	7.9	1.4	5.1
Auto Block/Engine/Battery Heater.....	0.8	Q	0.2	Q	Q	0.3	Q	Q
Electric Dehumidifier.....	13.3	1.6	2.9	2.4	2.1	4.3	0.7	3.0
Electric Humidifier.....	14.2	2.3	3.2	2.5	1.9	4.3	1.4	3.9
Evaporative/Swamp Cooler.....	3.4	1.0	0.9	0.5	0.4	0.5	0.8	1.4
Filter Systems in Swimming Pools.....	8.3	0.3	1.2	1.3	1.5	4.1	Q	1.0
Heated Aquarium.....	4.2	0.8	0.6	1.3	0.6	0.9	0.6	1.2
Outdoor Gas Light.....	1.3	0.4	0.3	Q	Q	Q	Q	0.5
Rechargeable Tools/Appliances.....	54.9	6.5	12.7	11.9	8.0	15.8	3.8	11.8
Well Water Pumps.....	14.1	2.9	3.2	2.8	2.1	3.1	1.6	4.3

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.