

Table HC2.9 Home Appliances Characteristics by Type of Housing Unit, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		Mobile Homes
		Detached	Attached	2 to 4 Units	5 or More Units	
Total U.S.	111.1	72.1	7.6	7.8	16.7	6.9
Cooking Appliances						
Conventional Ovens						
Use an Oven.....	109.6	71.3	7.4	7.7	16.4	6.8
1.....	103.3	66.2	7.2	7.4	15.9	6.7
2 or More.....	6.2	5.1	Q	0.3	0.5	Q
Do Not Use an Oven.....	1.5	0.7	Q	Q	0.4	Q
Most-Used Oven Fuel						
Electric.....	67.9	45.5	4.4	3.7	10.7	3.7
Natural Gas.....	36.4	22.0	3.0	3.9	5.6	1.8
Propane/LPG.....	5.2	3.8	Q	Q	Q	1.3
Self-Cleaning Oven						
Use a Self-Cleaning Oven.....	62.9	49.2	3.9	2.6	5.1	2.1
Continuous.....	9.3	7.2	0.8	0.3	0.9	Q
Manual Start.....	53.6	42.0	3.1	2.3	4.2	1.9
Do Not Use a Self-Cleaning Oven.....	46.7	22.1	3.5	5.1	11.3	4.7
Cooking Ranges						
Use a Cooking Range.....	109.8	71.5	7.4	7.7	16.4	6.7
1.....	105.5	68.3	7.2	7.4	16.0	6.7
2 or More.....	4.3	3.2	Q	0.3	0.5	Q
Do Not Use a Cooking Range.....	1.2	0.5	Q	Q	0.3	Q
Most-Used Cooking Range Fuel						
Electric.....	65.2	42.9	4.3	3.8	10.6	3.6
Natural Gas.....	39.0	24.4	3.1	3.9	5.7	1.8
Propane/LPG.....	5.6	4.2	Q	Q	Q	1.3
Built-in/Stove-top Grills						
Use a Built-in/Stove-top Grill.....	4.9	3.5	0.3	Q	0.6	Q
Do Not Use a Built-in/Stove-top Grill.....	106.2	68.5	7.3	7.5	16.1	6.8
Built-in/Stove-top Grill Fuel						
Electric.....	2.5	2.2	Q	N	Q	Q
Natural Gas.....	2.2	1.2	Q	Q	0.5	Q
Propane/LPG.....	Q	Q	N	N	N	N
Refrigerators						
Use a Refrigerator.....	111.0	71.9	7.6	7.8	16.7	6.9
1.....	86.3	50.4	6.1	7.2	16.3	6.4
2 or More.....	24.6	21.6	1.5	0.6	0.4	0.5
Do Not Use a Refrigerator.....	Q	Q	N	N	N	N
Most-Used Refrigerator Defrost Method						
Frost-Free.....	102.8	68.7	6.6	6.8	14.7	6.1
Manual.....	8.0	3.2	1.0	1.0	2.1	0.7
Type of Most-Used Refrigerator						
2-Doors (top and bottom).....	64.6	35.8	5.1	5.9	12.8	5.0
2-Doors (side-by-side).....	33.0	29.0	1.4	0.6	1.0	1.1
Full-Size (single door).....	12.1	6.6	0.9	1.2	2.7	0.8
Half-Size/Other.....	1.0	0.4	Q	Q	Q	Q

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Home Appliances Characteristics	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		Mobile Homes
		Detached	Attached	2 to 4 Units	5 or More Units	
Age of Most-Used Refrigerator						
Less than 2 Years.....	19.0	12.5	1.3	1.7	2.6	0.9
2 to 4 Years.....	22.7	15.3	1.4	1.5	3.3	1.2
5 to 9 Years.....	30.9	20.6	1.9	1.9	4.4	2.1
10 to 19 Years.....	25.7	18.1	1.8	1.4	2.7	1.8
20 Years or More.....	6.1	3.9	0.6	Q	1.1	0.3
Don't Know.....	6.7	1.8	0.6	1.0	2.7	0.6
Size of Most-Used Refrigerator						
Very Small (Less than 11 cf).....	0.7	0.3	Q	Q	Q	Q
Small (11-14 cf).....	5.4	2.1	0.4	0.6	1.9	0.3
Medium (15-18 cf).....	53.8	29.4	4.4	4.8	11.0	4.1
Large (19-22 cf).....	42.7	32.3	2.3	2.2	3.5	2.4
Very Large (More than 22 cf).....	8.5	7.8	0.3	Q	Q	Q
Through-the-Door Ice and Water Service						
Yes.....	29.8	26.3	1.1	0.5	0.9	1.0
No.....	81.1	45.6	6.5	7.2	15.9	5.9
Second Refrigerator						
Use a Second Refrigerator.....	24.6	21.6	1.5	0.6	0.4	0.5
Do Not Use a Second Refrigerator.....	86.3	50.4	6.1	7.2	16.3	6.4
Type of Second Refrigerator						
2-Doors (top and bottom).....	7.5	6.6	0.5	Q	Q	Q
2-Doors (side-by-side).....	8.6	8.0	0.4	Q	N	Q
Full-Size (single door).....	2.8	2.4	Q	Q	Q	Q
Half-Size/Other.....	5.1	3.7	0.6	Q	0.4	Q
Age of Second Refrigerator						
Less than 2 Years.....	2.3	1.8	Q	Q	Q	Q
2 to 4 Years.....	3.8	3.0	0.4	Q	Q	Q
5 to 9 Years.....	5.3	4.6	0.3	Q	Q	Q
10 to 19 Years.....	8.6	7.9	0.5	Q	Q	Q
20 Years or More.....	4.1	3.9	Q	N	Q	Q
Don't Know.....	0.5	0.4	Q	Q	Q	Q
Size of Second Refrigerator						
Very Small (Less than 11 cf).....	3.4	2.5	0.4	Q	Q	Q
Small (11-14 cf).....	3.6	2.8	0.3	Q	Q	Q
Medium (15-18 cf).....	10.5	9.4	0.6	Q	Q	0.3
Large (19-22 cf).....	6.2	5.9	Q	Q	Q	Q
Very Large (More than 22 cf).....	1.0	1.0	N	N	N	N
Separate Freezers						
Do Not Use a Separate Freezer.....	76.0	42.6	5.7	7.0	16.0	4.7
Use a Separate Freezer.....	35.1	29.5	1.9	0.7	0.7	2.3
1.....	32.2	26.8	1.9	0.7	0.7	2.2
2 or More.....	2.9	2.7	Q	Q	N	Q
Most-Used Freezer Defrost Method						
Frost-Free.....	14.3	11.9	0.7	Q	0.3	1.2
Manual.....	20.8	17.6	1.2	0.5	0.5	1.1
Type of Most-Used Freezer						
Upright.....	17.0	14.5	1.1	Q	0.3	0.9
Chest.....	18.1	15.0	0.8	0.6	0.4	1.4

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Home Appliances Characteristics	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		Mobile Homes
		Detached	Attached	2 to 4 Units	5 or More Units	
Age of Most-Used Freezer						
Less than 2 Years.....	3.5	2.8	0.2	Q	Q	Q
2 to 4 Years.....	6.0	4.8	0.3	Q	Q	0.6
5 to 9 Years.....	7.8	6.5	0.5	Q	0.2	0.4
10 to 19 Years.....	9.3	7.9	0.6	Q	Q	0.7
20 Years or More.....	7.6	6.9	0.2	Q	Q	0.3
Don't Know.....	0.7	0.6	Q	Q	N	Q
Size of Most-Used Freezer						
Very Small (Less than 11 cf).....	3.1	2.3	Q	Q	Q	0.3
Small (11-14 cf).....	8.9	7.1	0.5	0.2	0.2	0.8
Medium (15-18 cf).....	12.7	10.6	0.7	0.4	0.3	0.7
Large (19-22 cf).....	8.0	7.2	0.3	Q	Q	0.3
Very Large (More than 22 cf).....	2.5	2.2	Q	N	N	Q
Other Kitchen Appliances						
Dishwasher						
Yes.....	64.7	48.0	4.2	2.4	7.4	2.7
No.....	46.4	24.1	3.4	5.3	9.3	4.3
Age of Dishwasher						
Less than 2 Years.....	11.5	9.1	0.9	0.2	0.8	0.4
2 to 4 Years.....	14.6	11.1	0.8	0.5	1.5	0.6
5 to 9 Years.....	19.2	14.4	1.0	0.8	2.1	0.9
10 to 19 Years.....	12.8	9.7	0.9	0.4	1.2	0.6
20 Years or More.....	3.3	2.3	Q	Q	0.6	Q
Don't Know.....	3.3	1.4	0.3	0.4	1.2	Q
Electric Coffee Maker						
Yes.....	67.2	48.4	4.2	3.4	7.1	4.0
No.....	43.9	23.7	3.4	4.3	9.6	2.9
Electric Toaster Oven						
Yes.....	37.3	25.0	2.3	2.6	5.5	2.0
No.....	73.8	47.1	5.3	5.2	11.3	5.0
Microwave Oven						
Yes.....	97.7	65.3	6.6	6.3	13.3	6.2
No.....	13.4	6.8	1.0	1.5	3.5	0.7
Clothes Washers and Dryers						
Clothes Washer						
Do Not Use a Clothes Washer.....	19.3	2.8	0.9	3.5	11.1	1.0
Use a Clothes Washer.....	91.8	69.3	6.7	4.2	5.6	6.0
Top Loading.....	84.1	62.8	6.3	3.9	5.3	5.8
Front Loading.....	7.7	6.4	0.4	0.3	0.3	Q
Age of Clothes Washer						
Less than 2 Years.....	15.7	11.4	1.3	0.8	1.1	1.0
2 to 4 Years.....	21.1	15.2	1.8	1.1	1.5	1.4
5 to 9 Years.....	28.9	22.9	1.7	0.9	1.6	1.8
10 to 19 Years.....	19.9	15.9	1.1	0.9	0.9	1.2
20 Years or More.....	4.1	3.0	0.3	0.2	0.3	0.2
Don't Know.....	2.2	0.8	0.4	0.3	0.3	0.4

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Home Appliances Characteristics	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		Mobile Homes
		Detached	Attached	2 to 4 Units	5 or More Units	
Clothes Dryer						
Do Not Use a Clothes Dryer.....	23.6	4.8	1.4	3.9	12.0	1.4
Use a Clothes Dryer.....	87.5	67.3	6.2	3.8	4.8	5.5
Electric.....	67.2	50.8	4.5	3.1	3.9	4.9
Natural Gas.....	19.4	15.6	1.7	0.7	0.9	0.5
Propane/LPG.....	0.9	0.8	N	N	N	Q
Age of Clothier Dryer						
Less than 2 Years.....	14.0	10.1	1.2	0.8	1.0	0.9
2 to 4 Years.....	18.7	13.8	1.5	0.9	1.2	1.2
5 to 9 Years.....	27.9	22.3	1.5	0.9	1.5	1.8
10 to 19 Years.....	19.5	15.8	1.1	0.8	0.7	1.0
20 Years or More.....	5.1	4.2	0.5	Q	Q	0.2
Don't Know.....	2.3	1.1	0.3	0.3	0.3	0.4
Other Appliances						
Use Ceiling Fans.....	77.2	57.3	4.3	3.7	7.1	4.8
1.....	21.7	11.5	2.0	1.9	4.3	2.0
2.....	17.4	12.3	1.0	0.9	1.8	1.4
3.....	12.3	9.7	0.5	0.6	0.7	0.8
4 or More.....	25.8	23.8	0.7	0.5	Q	0.6
Auto Block/Engine/Battery Heater.....	0.8	0.7	Q	Q	N	Q
Electric Dehumidifier.....	13.3	11.7	0.8	0.5	0.3	Q
Electric Humidifier.....	14.2	10.9	1.1	0.5	1.3	0.5
Evaporative/Swamp Cooler.....	3.4	2.0	0.2	Q	Q	0.9
Filter Systems in Swimming Pools.....	8.3	8.2	Q	N	N	N
Heated Aquarium.....	4.2	3.2	Q	Q	0.4	Q
Outdoor Gas Light.....	1.3	1.2	Q	N	N	N
Rechargeable Tools/Appliances.....	54.9	42.7	3.0	2.0	3.9	3.3
Well Water Pumps.....	14.1	12.2	Q	Q	N	1.6

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.

**Table HC3.9 Home Appliances Characteristics by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	U.S. Housing Units (millions)	Owner-Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Total U.S.	111.1	78.1	64.1	4.2	1.8	2.3	5.7
Cooking Appliances							
Conventional Ovens							
Use an Oven.....	109.6	77.3	63.4	4.1	1.8	2.3	5.6
1.....	103.3	71.9	58.6	3.9	1.6	2.2	5.5
2 or More.....	6.2	5.4	4.8	Q	Q	Q	Q
Do Not Use an Oven.....	1.5	0.8	0.6	Q	N	Q	Q
Most-Used Oven Fuel							
Electric.....	67.9	48.5	41.0	2.4	0.7	1.5	3.0
Natural Gas.....	36.4	24.1	19.0	1.7	1.1	0.8	1.5
Propane/LPG.....	5.2	4.6	3.4	N	N	Q	1.1
Self-Cleaning Oven							
Use a Self-Cleaning Oven.....	62.9	52.8	45.6	2.8	1.1	1.5	1.8
Continuous.....	9.3	7.7	6.7	0.6	Q	Q	Q
Manual Start.....	53.6	45.1	38.9	2.2	1.0	1.3	1.7
Do Not Use a Self-Cleaning Oven.....	46.7	24.5	17.9	1.3	0.7	0.8	3.8
Cooking Ranges							
Use a Cooking Range.....	109.8	77.4	63.6	4.1	1.8	2.3	5.6
1.....	105.5	73.9	60.6	3.9	1.6	2.2	5.5
2 or More.....	4.3	3.5	3.0	Q	Q	Q	Q
Do Not Use a Cooking Range.....	1.2	0.7	0.4	Q	N	Q	Q
Most-Used Cooking Range Fuel							
Electric.....	65.2	45.9	38.4	2.3	0.7	1.4	3.0
Natural Gas.....	39.0	26.5	21.3	1.7	1.1	0.8	1.5
Propane/LPG.....	5.6	4.9	3.8	N	N	Q	1.1
Built-in/Stove-top Grills							
Use a Built-in/Stove-top Grill.....	4.9	4.0	3.4	Q	Q	Q	Q
Do Not Use a Built-in/Stove-top Grill.....	106.2	74.1	60.6	4.0	1.7	2.2	5.6
Built-in/Stove-top Grill Fuel							
Electric.....	2.5	2.4	2.2	Q	N	Q	Q
Natural Gas.....	2.2	1.4	1.1	Q	Q	Q	Q
Propane/LPG.....	Q	Q	Q	N	N	N	N
Refrigerators							
Use a Refrigerator.....	111.0	78.0	64.0	4.2	1.8	2.3	5.7
1.....	86.3	55.5	43.4	3.1	1.5	2.3	5.3
2 or More.....	24.6	22.5	20.5	1.1	0.4	Q	0.5
Do Not Use a Refrigerator.....	Q	Q	Q	N	N	N	N
Most-Used Refrigerator Defrost Method							
Frost-Free.....	102.8	74.4	61.5	3.7	1.8	2.2	5.2
Manual.....	8.0	3.6	2.4	0.4	Q	Q	0.5
Type of Most-Used Refrigerator							
2-Doors (top and bottom).....	64.6	39.7	30.6	2.4	1.3	1.5	4.0
2-Doors (side-by-side).....	33.0	30.0	27.0	1.1	0.4	0.5	1.0
Full-Size (single door).....	12.1	7.6	5.9	0.5	Q	0.4	0.7
Half-Size/Other.....	1.0	0.6	0.3	Q	N	N	Q

Table HC3.9 Home Appliances Characteristics by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units

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			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Age of Most-Used Refrigerator							
Less than 2 Years.....	19.0	13.1	11.0	0.7	0.3	0.4	0.7
2 to 4 Years.....	22.7	16.1	13.4	0.8	0.4	0.4	1.1
5 to 9 Years.....	30.9	22.7	18.8	1.2	0.6	0.4	1.8
10 to 19 Years.....	25.7	19.7	16.3	0.9	0.5	0.5	1.5
20 Years or More.....	6.1	4.6	3.5	0.4	Q	Q	Q
Don't Know.....	6.7	1.9	1.1	Q	Q	Q	0.4
Size of Most-Used Refrigerator							
Very Small (Less than 11 cf).....	0.7	0.4	Q	Q	N	N	Q
Small (11-14 cf).....	5.4	2.3	1.8	Q	Q	Q	Q
Medium (15-18 cf).....	53.8	32.7	24.9	2.2	1.0	1.4	3.3
Large (19-22 cf).....	42.7	34.6	29.6	1.5	0.8	0.7	2.0
Very Large (More than 22 cf).....	8.5	8.0	7.5	Q	Q	Q	Q
Through-the-Door Ice and Water Service							
Yes.....	29.8	27.5	24.7	1.0	0.3	0.5	0.9
No.....	81.1	50.6	39.2	3.2	1.5	1.8	4.8
Second Refrigerator							
Use a Second Refrigerator.....	24.6	22.5	20.5	1.1	0.4	Q	0.5
Do Not Use a Second Refrigerator.....	86.3	55.5	43.4	3.1	1.5	2.3	5.3
Type of Second Refrigerator							
2-Doors (top and bottom).....	7.5	6.8	6.1	0.4	Q	N	Q
2-Doors (side-by-side).....	8.6	8.3	7.8	0.3	Q	N	Q
Full-Size (single door).....	2.8	2.6	2.3	Q	Q	N	Q
Half-Size/Other.....	5.1	4.1	3.5	0.3	Q	Q	Q
Age of Second Refrigerator							
Less than 2 Years.....	2.3	1.8	1.6	Q	Q	Q	Q
2 to 4 Years.....	3.8	3.2	2.8	Q	Q	N	Q
5 to 9 Years.....	5.3	5.0	4.4	Q	Q	N	Q
10 to 19 Years.....	8.6	8.1	7.5	0.4	Q	N	Q
20 Years or More.....	4.1	3.9	3.8	Q	N	N	Q
Don't Know.....	0.5	0.4	0.4	Q	N	N	Q
Size of Second Refrigerator							
Very Small (Less than 11 cf).....	3.4	2.8	2.3	Q	Q	Q	Q
Small (11-14 cf).....	3.6	3.0	2.7	Q	Q	N	Q
Medium (15-18 cf).....	10.5	10.0	9.0	0.5	Q	N	0.3
Large (19-22 cf).....	6.2	5.8	5.5	Q	Q	N	Q
Very Large (More than 22 cf).....	1.0	0.9	0.9	N	N	N	N
Separate Freezers							
Do Not Use a Separate Freezer.....	76.0	47.0	36.8	2.8	1.5	2.2	3.7
Use a Separate Freezer.....	35.1	31.1	27.3	1.3	0.3	Q	2.1
1.....	32.2	28.5	24.8	1.3	0.3	Q	2.0
2 or More.....	2.9	2.6	2.5	Q	Q	N	Q
Most-Used Freezer Defrost Method							
Frost-Free.....	14.3	12.4	10.7	0.4	Q	Q	1.1
Manual.....	20.8	18.6	16.5	0.9	Q	Q	1.0
Type of Most-Used Freezer							
Upright.....	17.0	15.6	13.7	0.9	Q	Q	0.8
Chest.....	18.1	15.4	13.6	0.4	Q	N	1.3

**Table HC3.9 Home Appliances Characteristics by Owner-Occupied Housing Unit, 2005
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			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Age of Most-Used Freezer							
Less than 2 Years.....	3.5	2.9	2.6	Q	Q	N	Q
2 to 4 Years.....	6.0	5.1	4.2	Q	Q	N	0.6
5 to 9 Years.....	7.8	6.9	5.9	0.5	Q	Q	0.4
10 to 19 Years.....	9.3	8.5	7.4	0.3	Q	N	0.7
20 Years or More.....	7.6	7.1	6.6	Q	Q	Q	0.2
Don't Know.....	0.7	0.6	0.5	Q	N	N	Q
Size of Most-Used Freezer							
Very Small (Less than 11 cf).....	3.1	2.6	2.1	Q	Q	N	0.3
Small (11-14 cf).....	8.9	7.8	6.6	0.4	Q	N	0.7
Medium (15-18 cf).....	12.7	10.9	9.6	0.4	Q	Q	0.6
Large (19-22 cf).....	8.0	7.5	6.9	0.3	Q	Q	0.3
Very Large (More than 22 cf).....	2.5	2.3	2.1	Q	N	N	Q
Other Kitchen Appliances							
Dishwasher							
Yes.....	64.7	52.5	44.8	2.8	0.9	1.7	2.4
No.....	46.4	25.6	19.3	1.4	1.0	0.6	3.4
Age of Dishwasher							
Less than 2 Years.....	11.5	9.5	8.3	0.7	Q	Q	0.3
2 to 4 Years.....	14.6	12.3	10.5	0.6	Q	0.4	0.6
5 to 9 Years.....	19.2	15.9	13.7	0.7	0.3	0.4	0.8
10 to 19 Years.....	12.8	11.0	9.1	0.7	Q	0.5	0.6
20 Years or More.....	3.3	2.5	2.0	Q	Q	Q	Q
Don't Know.....	3.3	1.4	1.1	Q	Q	Q	Q
Electric Coffee Maker							
Yes.....	67.2	51.4	43.6	2.4	0.9	1.0	3.5
No.....	43.9	26.7	20.4	1.8	0.9	1.3	2.3
Electric Toaster Oven							
Yes.....	37.3	27.9	22.9	1.4	0.9	1.1	1.7
No.....	73.8	50.2	41.2	2.8	1.0	1.3	4.0
Microwave Oven							
Yes.....	97.7	70.7	58.2	3.8	1.5	2.0	5.2
No.....	13.4	7.4	5.9	0.3	0.3	Q	0.6
Clothes Washers and Dryers							
Clothes Washer							
Do Not Use a Clothes Washer.....	19.3	3.6	1.8	Q	Q	0.8	0.6
Use a Clothes Washer.....	91.8	74.5	62.3	3.9	1.6	1.5	5.1
Top Loading.....	84.1	67.4	56.1	3.6	1.5	1.4	4.9
Front Loading.....	7.7	7.0	6.2	0.3	Q	Q	Q
Age of Clothes Washer							
Less than 2 Years.....	15.7	12.7	10.1	0.8	0.4	0.4	0.9
2 to 4 Years.....	21.1	16.7	13.8	1.0	0.3	0.4	1.2
5 to 9 Years.....	28.9	23.9	20.7	1.1	0.3	Q	1.5
10 to 19 Years.....	19.9	16.7	14.4	0.6	0.4	Q	1.0
20 Years or More.....	4.1	3.3	2.7	Q	Q	Q	Q
Don't Know.....	2.2	1.1	0.6	Q	Q	Q	0.3

**Table HC3.9 Home Appliances Characteristics by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	U.S. Housing Units (millions)	Owner-Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Clothes Dryer							
Do Not Use a Clothes Dryer.....	23.6	6.1	3.3	Q	0.4	0.9	1.1
Use a Clothes Dryer.....	87.5	72.0	60.8	3.7	1.4	1.4	4.7
Electric.....	67.2	54.1	45.5	2.4	1.0	1.0	4.2
Natural Gas.....	19.4	17.1	14.5	1.3	0.4	0.4	0.4
Propane/LPG.....	0.9	0.8	0.7	N	N	N	Q
Age of Clothier Dryer							
Less than 2 Years.....	14.0	11.1	8.9	0.7	0.4	0.3	0.8
2 to 4 Years.....	18.7	14.9	12.5	0.9	0.2	0.3	1.1
5 to 9 Years.....	27.9	23.4	20.3	0.9	0.3	0.4	1.5
10 to 19 Years.....	19.5	16.8	14.6	0.7	0.4	Q	0.9
20 Years or More.....	5.1	4.6	3.9	0.3	Q	Q	Q
Don't Know.....	2.3	1.2	0.7	Q	Q	Q	0.3
Other Appliances							
Use Ceiling Fans.....	77.2	60.7	51.6	2.7	0.9	1.2	4.2
1.....	21.7	13.5	9.9	1.2	0.4	0.5	1.5
2.....	17.4	13.2	10.8	0.6	Q	0.4	1.3
3.....	12.3	10.1	8.6	0.4	Q	Q	0.8
4 or More.....	25.8	23.7	22.1	0.6	Q	Q	0.6
Auto Block/Engine/Battery Heater.....	0.8	0.7	0.7	N	Q	N	Q
Electric Dehumidifier.....	13.3	12.1	11.1	0.6	0.3	Q	Q
Electric Humidifier.....	14.2	12.0	10.3	0.8	0.3	Q	0.5
Evaporative/Swamp Cooler.....	3.4	2.6	1.7	Q	Q	N	0.7
Filter Systems in Swimming Pools.....	8.3	7.8	7.8	Q	N	N	N
Heated Aquarium.....	4.2	3.4	3.0	Q	Q	N	Q
Outdoor Gas Light.....	1.3	1.2	1.1	Q	N	N	N
Rechargeable Tools/Appliances.....	54.9	45.5	39.1	1.9	0.7	0.8	2.9
Well Water Pumps.....	14.1	13.1	11.4	Q	Q	N	1.5

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.

Table HC4.9 Home Appliances Characteristics by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Total U.S.	111.1	33.0	8.0	3.4	5.9	14.4	1.2
Cooking Appliances							
Conventional Ovens							
Use an Oven.....	109.6	32.3	7.9	3.3	5.9	14.1	1.1
1.....	103.3	31.4	7.6	3.3	5.7	13.7	1.1
2 or More.....	6.2	0.9	0.3	Q	Q	0.4	Q
Do Not Use an Oven.....	1.5	0.7	Q	Q	Q	0.3	Q
Most-Used Oven Fuel							
Electric.....	67.9	19.4	4.5	2.0	3.0	9.2	0.7
Natural Gas.....	36.4	12.3	3.0	1.3	2.8	4.8	0.3
Propane/LPG.....	5.2	0.6	0.4	Q	Q	Q	Q
Self-Cleaning Oven							
Use a Self-Cleaning Oven.....	62.9	10.1	3.6	1.1	1.4	3.6	0.2
Continuous.....	9.3	1.6	0.5	Q	Q	0.7	Q
Manual Start.....	53.6	8.5	3.2	0.9	1.3	2.9	Q
Do Not Use a Self-Cleaning Oven.....	46.7	22.2	4.2	2.2	4.4	10.4	0.9
Cooking Ranges							
Use a Cooking Range.....	109.8	32.4	7.9	3.3	5.9	14.2	1.1
1.....	105.5	31.6	7.7	3.3	5.8	13.7	1.1
2 or More.....	4.3	0.8	0.2	Q	Q	0.4	N
Do Not Use a Cooking Range.....	1.2	0.6	Q	Q	Q	0.3	Q
Most-Used Cooking Range Fuel							
Electric.....	65.2	19.3	4.4	2.0	3.1	9.2	0.7
Natural Gas.....	39.0	12.5	3.1	1.4	2.8	4.9	0.3
Propane/LPG.....	5.6	0.6	0.4	Q	Q	Q	Q
Built-in/Stove-top Grills							
Use a Built-in/Stove-top Grill.....	4.9	0.9	Q	Q	Q	0.5	Q
Do Not Use a Built-in/Stove-top Grill.....	106.2	32.1	7.9	3.4	5.7	13.9	1.1
Built-in/Stove-top Grill Fuel							
Electric.....	2.5	Q	Q	N	N	Q	N
Natural Gas.....	2.2	0.9	Q	Q	Q	0.5	Q
Propane/LPG.....	Q	N	N	N	N	N	N
Refrigerators							
Use a Refrigerator.....	111.0	33.0	8.0	3.4	5.9	14.4	1.2
1.....	86.3	30.8	6.9	3.0	5.7	14.0	1.2
2 or More.....	24.6	2.1	1.1	0.4	Q	0.4	Q
Do Not Use a Refrigerator.....	Q	Q	Q	N	N	N	N
Most-Used Refrigerator Defrost Method							
Frost-Free.....	102.8	28.4	7.2	2.8	5.0	12.5	0.9
Manual.....	8.0	4.4	0.8	0.6	0.9	1.9	Q
Type of Most-Used Refrigerator							
2-Doors (top and bottom).....	64.6	24.9	5.2	2.7	4.7	11.3	1.0
2-Doors (side-by-side).....	33.0	3.0	2.0	0.3	Q	0.5	Q
Full-Size (single door).....	12.1	4.6	0.7	0.4	1.1	2.3	Q
Half-Size/Other.....	1.0	0.4	Q	Q	Q	Q	N

**Table HC4.9 Home Appliances Characteristics by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	U.S. Housing Units (millions)	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Age of Most-Used Refrigerator							
Less than 2 Years.....	19.0	5.8	1.4	0.6	1.4	2.2	Q
2 to 4 Years.....	22.7	6.6	1.9	0.6	1.1	2.9	Q
5 to 9 Years.....	30.9	8.2	1.8	0.7	1.3	4.0	0.3
10 to 19 Years.....	25.7	6.1	1.8	0.8	1.0	2.2	0.3
20 Years or More.....	6.1	1.5	0.3	0.3	Q	0.7	Q
Don't Know.....	6.7	4.8	0.8	0.4	0.9	2.5	Q
Size of Most-Used Refrigerator							
Very Small (Less than 11 cf).....	0.7	0.4	Q	Q	Q	Q	N
Small (11-14 cf).....	5.4	3.0	0.3	0.3	0.6	1.8	Q
Medium (15-18 cf).....	53.8	21.0	4.6	2.2	3.8	9.6	0.8
Large (19-22 cf).....	42.7	8.1	2.7	0.8	1.4	2.8	0.4
Very Large (More than 22 cf).....	8.5	0.5	0.3	Q	N	Q	N
Through-the-Door Ice and Water Service							
Yes.....	29.8	2.4	1.6	Q	Q	0.4	Q
No.....	81.1	30.6	6.4	3.3	5.7	14.1	1.1
Second Refrigerator							
Use a Second Refrigerator.....	24.6	2.1	1.1	0.4	Q	0.4	Q
Do Not Use a Second Refrigerator.....	86.3	30.8	6.9	3.0	5.7	14.0	1.2
Type of Second Refrigerator							
2-Doors (top and bottom).....	7.5	0.7	0.5	Q	Q	Q	N
2-Doors (side-by-side).....	8.6	0.3	0.2	Q	N	N	N
Full-Size (single door).....	2.8	0.2	Q	Q	Q	Q	N
Half-Size/Other.....	5.1	1.0	Q	0.3	Q	0.3	Q
Age of Second Refrigerator							
Less than 2 Years.....	2.3	0.4	Q	Q	Q	Q	Q
2 to 4 Years.....	3.8	0.7	0.3	Q	Q	Q	N
5 to 9 Years.....	5.3	0.4	0.2	Q	Q	Q	N
10 to 19 Years.....	8.6	0.4	0.3	Q	N	Q	N
20 Years or More.....	4.1	Q	Q	N	N	Q	N
Don't Know.....	0.5	Q	Q	N	Q	Q	N
Size of Second Refrigerator							
Very Small (Less than 11 cf).....	3.4	0.6	Q	Q	Q	Q	N
Small (11-14 cf).....	3.6	0.6	Q	Q	Q	Q	Q
Medium (15-18 cf).....	10.5	0.5	0.3	Q	Q	Q	N
Large (19-22 cf).....	6.2	0.4	0.3	Q	Q	Q	N
Very Large (More than 22 cf).....	1.0	Q	Q	N	N	N	N
Separate Freezers							
Do Not Use a Separate Freezer.....	76.0	28.9	5.8	2.9	5.5	13.8	1.0
Use a Separate Freezer.....	35.1	4.0	2.2	0.5	0.4	0.6	Q
1.....	32.2	3.7	2.0	0.5	0.4	0.6	Q
2 or More.....	2.9	0.3	0.2	N	Q	N	N
Most-Used Freezer Defrost Method							
Frost-Free.....	14.3	1.8	1.2	0.2	Q	0.2	Q
Manual.....	20.8	2.2	1.0	0.3	0.3	0.4	Q
Type of Most-Used Freezer							
Upright.....	17.0	1.4	0.9	Q	Q	Q	Q
Chest.....	18.1	2.7	1.4	0.4	0.4	0.4	Q

**Table HC4.9 Home Appliances Characteristics by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	U.S. Housing Units (millions)	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Age of Most-Used Freezer							
Less than 2 Years.....	3.5	0.7	0.3	Q	Q	Q	Q
2 to 4 Years.....	6.0	1.0	0.6	Q	Q	Q	N
5 to 9 Years.....	7.8	1.0	0.6	Q	Q	Q	Q
10 to 19 Years.....	9.3	0.8	0.4	0.2	Q	Q	Q
20 Years or More.....	7.6	0.5	0.3	Q	Q	Q	Q
Don't Know.....	0.7	Q	Q	Q	Q	N	Q
Size of Most-Used Freezer							
Very Small (Less than 11 cf).....	3.1	0.5	0.2	Q	Q	Q	Q
Small (11-14 cf).....	8.9	1.1	0.5	Q	Q	0.2	Q
Medium (15-18 cf).....	12.7	1.8	1.0	Q	Q	0.3	Q
Large (19-22 cf).....	8.0	0.5	0.4	Q	N	Q	Q
Very Large (More than 22 cf).....	2.5	Q	Q	Q	N	N	N
Other Kitchen Appliances							
Dishwasher							
Yes.....	64.7	12.2	3.2	1.4	1.6	5.7	0.3
No.....	46.4	20.8	4.8	2.0	4.3	8.7	0.9
Age of Dishwasher							
Less than 2 Years.....	11.5	2.0	0.8	0.3	Q	0.7	Q
2 to 4 Years.....	14.6	2.3	0.6	0.3	0.3	1.1	Q
5 to 9 Years.....	19.2	3.3	0.7	0.3	0.5	1.8	Q
10 to 19 Years.....	12.8	1.8	0.6	0.3	Q	0.7	Q
20 Years or More.....	3.3	0.9	Q	Q	Q	0.4	Q
Don't Know.....	3.3	2.0	0.3	Q	0.4	1.1	Q
Electric Coffee Maker							
Yes.....	67.2	15.7	4.7	1.9	2.5	6.1	0.6
No.....	43.9	17.3	3.3	1.6	3.4	8.3	0.6
Electric Toaster Oven							
Yes.....	37.3	9.4	2.1	0.9	1.7	4.4	0.2
No.....	73.8	23.6	5.9	2.5	4.2	10.0	1.0
Microwave Oven							
Yes.....	97.7	27.0	7.1	2.8	4.7	11.3	1.0
No.....	13.4	6.0	0.9	0.6	1.2	3.2	Q
Clothes Washers and Dryers							
Clothes Washer							
Do Not Use a Clothes Washer.....	19.3	15.7	1.0	0.7	3.4	10.3	0.3
Use a Clothes Washer.....	91.8	17.3	7.0	2.8	2.6	4.1	0.9
Top Loading.....	84.1	16.7	6.8	2.7	2.4	4.0	0.8
Front Loading.....	7.7	0.7	0.2	Q	Q	Q	Q
Age of Clothes Washer							
Less than 2 Years.....	15.7	3.0	1.4	0.5	0.4	0.6	Q
2 to 4 Years.....	21.1	4.3	1.4	0.8	0.8	1.1	Q
5 to 9 Years.....	28.9	5.0	2.1	0.6	0.6	1.3	0.3
10 to 19 Years.....	19.9	3.2	1.5	0.5	0.4	0.6	Q
20 Years or More.....	4.1	0.8	0.3	Q	Q	Q	Q
Don't Know.....	2.2	1.1	0.3	Q	0.3	0.2	Q

**Table HC4.9 Home Appliances Characteristics by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	U.S. Housing Units (millions)	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Clothes Dryer							
Do Not Use a Clothes Dryer.....	23.6	17.5	1.5	1.0	3.5	11.1	0.4
Use a Clothes Dryer.....	87.5	15.5	6.5	2.4	2.4	3.3	0.8
Electric.....	67.2	13.1	5.4	2.0	2.2	2.9	0.7
Natural Gas.....	19.4	2.2	1.0	0.4	Q	0.5	Q
Propane/LPG.....	0.9	Q	Q	N	N	N	Q
Age of Clothier Dryer							
Less than 2 Years.....	14.0	3.0	1.2	0.5	0.5	0.6	Q
2 to 4 Years.....	18.7	3.7	1.4	0.6	0.7	0.9	Q
5 to 9 Years.....	27.9	4.5	2.0	0.6	0.6	1.1	0.3
10 to 19 Years.....	19.5	2.7	1.2	0.4	0.5	0.5	Q
20 Years or More.....	5.1	0.5	0.3	Q	Q	Q	Q
Don't Know.....	2.3	1.1	0.4	Q	0.3	Q	Q
Other Appliances							
Use Ceiling Fans.....	77.2	16.6	5.8	1.5	2.8	5.8	0.6
1.....	21.7	8.2	1.6	0.8	1.5	3.8	0.4
2.....	17.4	4.1	1.5	0.4	0.7	1.5	Q
3.....	12.3	2.1	1.1	Q	0.4	0.5	Q
4 or More.....	25.8	2.1	1.6	Q	Q	Q	N
Auto Block/Engine/Battery Heater.....	0.8	Q	Q	Q	Q	N	N
Electric Dehumidifier.....	13.3	1.2	0.6	Q	Q	0.3	Q
Electric Humidifier.....	14.2	2.2	0.6	0.3	0.2	1.1	Q
Evaporative/Swamp Cooler.....	3.4	0.7	0.3	Q	Q	Q	Q
Filter Systems in Swimming Pools.....	8.3	0.5	0.4	Q	N	N	N
Heated Aquarium.....	4.2	0.8	0.2	Q	Q	0.4	Q
Outdoor Gas Light.....	1.3	Q	Q	Q	N	N	N
Rechargeable Tools/Appliances.....	54.9	9.4	3.6	1.0	1.3	3.1	0.4
Well Water Pumps.....	14.1	1.0	0.8	Q	Q	N	Q

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.

Table HC5.9 Home Appliances Characteristics by Year of Construction, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Year of Construction							
		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Total U.S.	111.1	14.7	7.4	12.5	12.5	18.9	18.6	17.3	9.2
Cooking Appliances									
Conventional Ovens									
Use an Oven.....	109.6	14.4	7.2	12.4	12.4	18.6	18.3	17.2	9.1
1.....	103.3	13.5	6.8	11.8	11.5	17.7	17.5	16.1	8.4
2 or More.....	6.2	1.0	0.4	0.6	0.8	0.9	0.8	1.1	0.7
Do Not Use an Oven.....	1.5	0.3	Q	Q	Q	0.3	0.3	Q	Q
Most-Used Oven Fuel									
Electric.....	67.9	6.5	2.9	6.7	7.3	12.8	12.8	12.5	6.4
Natural Gas.....	36.4	7.0	4.0	5.3	4.4	5.1	4.8	3.6	2.1
Propane/LPG.....	5.2	0.9	0.3	0.4	0.6	0.8	0.7	1.0	0.5
Self-Cleaning Oven									
Use a Self-Cleaning Oven.....	62.9	6.9	3.6	6.9	6.1	10.5	10.8	11.2	6.8
Continuous.....	9.3	1.2	0.9	0.9	0.8	1.4	1.1	1.6	1.2
Manual Start.....	53.6	5.6	2.7	6.0	5.3	9.1	9.7	9.6	5.6
Do Not Use a Self-Cleaning Oven.....	46.7	7.5	3.6	5.5	6.2	8.1	7.4	6.0	2.3
Cooking Ranges									
Use a Cooking Range.....	109.8	14.4	7.3	12.4	12.3	18.7	18.3	17.2	9.1
1.....	105.5	13.6	7.0	12.1	11.6	17.9	17.9	16.6	8.8
2 or More.....	4.3	0.8	0.4	0.4	0.8	0.8	0.3	0.6	Q
Do Not Use a Cooking Range.....	1.2	0.2	Q	Q	Q	Q	0.3	Q	Q
Most-Used Cooking Range Fuel									
Electric.....	65.2	6.3	2.8	6.5	7.1	12.5	12.6	11.5	5.9
Natural Gas.....	39.0	7.2	4.2	5.5	4.7	5.2	5.0	4.6	2.6
Propane/LPG.....	5.6	0.9	0.4	0.4	0.5	0.9	0.7	1.1	0.6
Built-in/Stove-top Grills									
Use a Built-in/Stove-top Grill.....	4.9	0.6	0.5	0.8	0.3	0.7	0.9	0.8	0.3
Do Not Use a Built-in/Stove-top Grill.....	106.2	14.1	6.9	11.7	12.2	18.2	17.7	16.6	8.9
Built-in/Stove-top Grill Fuel									
Electric.....	2.5	Q	Q	0.3	Q	0.5	0.5	0.6	Q
Natural Gas.....	2.2	Q	0.3	0.5	Q	Q	0.3	Q	Q
Propane/LPG.....	Q	Q	Q	N	Q	N	Q	N	Q
Refrigerators									
Use a Refrigerator.....	111.0	14.7	7.4	12.5	12.5	18.9	18.6	17.3	9.2
1.....	86.3	12.2	6.0	9.7	9.4	14.8	14.8	12.5	6.9
2 or More.....	24.6	2.5	1.3	2.8	3.0	4.0	3.8	4.9	2.4
Do Not Use a Refrigerator.....	Q	Q	Q	N	N	N	Q	Q	N
Most-Used Refrigerator Defrost Method									
Frost-Free.....	102.8	13.2	6.8	11.5	11.2	17.7	17.3	16.4	8.8
Manual.....	8.0	1.4	0.6	1.1	1.2	1.2	1.2	0.9	0.4
Type of Most-Used Refrigerator									
2-Doors (top and bottom).....	64.6	9.5	4.6	7.8	7.6	11.4	11.2	8.7	3.8
2-Doors (side-by-side).....	33.0	2.8	1.7	2.8	3.1	5.3	5.9	7.1	4.3
Full-Size (single door).....	12.1	2.0	0.8	1.9	1.6	2.1	1.5	1.3	0.9
Half-Size/Other.....	1.0	0.2	Q	Q	Q	Q	Q	Q	Q

Table HC5.9 Home Appliances Characteristics by Year of Construction, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Year of Construction							
		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Age of Most-Used Refrigerator									
Less than 2 Years.....	19.0	2.2	1.1	2.1	1.4	2.8	3.1	2.4	3.8
2 to 4 Years.....	22.7	2.7	1.6	2.3	2.6	4.1	3.2	2.6	3.6
5 to 9 Years.....	30.9	4.4	2.2	3.2	3.6	4.8	4.8	6.8	1.0
10 to 19 Years.....	25.7	3.4	1.9	3.5	3.0	3.9	5.1	4.4	0.4
20 Years or More.....	6.1	1.1	0.4	0.7	1.1	1.6	1.2	Q	N
Don't Know.....	6.7	0.9	0.3	0.7	0.7	1.6	1.1	1.1	0.3
Size of Most-Used Refrigerator									
Very Small (Less than 11 cf).....	0.7	0.3	Q	Q	Q	Q	Q	Q	Q
Small (11-14 cf).....	5.4	1.0	0.3	0.8	0.5	0.8	0.8	0.8	0.4
Medium (15-18 cf).....	53.8	7.8	4.1	6.3	6.9	9.4	8.7	7.2	3.4
Large (19-22 cf).....	42.7	4.9	2.4	4.7	4.3	7.4	7.6	7.3	4.2
Very Large (More than 22 cf).....	8.5	0.7	0.5	0.7	0.7	1.2	1.4	2.0	1.2
Through-the-Door Ice and Water Service									
Yes.....	29.8	2.4	1.5	2.3	2.7	4.4	5.4	6.9	4.3
No.....	81.1	12.3	5.9	10.2	9.8	14.5	13.1	10.4	4.9
Second Refrigerator									
Use a Second Refrigerator.....	24.6	2.5	1.3	2.8	3.0	4.0	3.8	4.9	2.4
Do Not Use a Second Refrigerator.....	86.3	12.2	6.0	9.7	9.4	14.8	14.8	12.5	6.9
Type of Second Refrigerator									
2-Doors (top and bottom).....	7.5	0.9	0.5	1.1	1.1	1.2	1.1	1.1	0.5
2-Doors (side-by-side).....	8.6	0.7	0.4	0.5	1.0	1.5	1.5	2.1	1.0
Full-Size (single door).....	2.8	0.3	Q	0.5	0.3	0.5	0.4	0.4	Q
Half-Size/Other.....	5.1	0.5	Q	0.6	0.7	0.8	0.7	0.9	0.7
Age of Second Refrigerator									
Less than 2 Years.....	2.3	Q	Q	Q	Q	0.4	0.4	0.3	0.7
2 to 4 Years.....	3.8	0.5	Q	0.3	0.4	0.6	0.6	0.5	0.7
5 to 9 Years.....	5.3	0.6	0.3	0.6	0.6	0.7	0.6	1.6	0.3
10 to 19 Years.....	8.6	0.7	0.5	1.1	1.0	1.2	1.6	1.9	0.5
20 Years or More.....	4.1	0.6	0.2	0.6	0.7	0.9	0.4	0.4	Q
Don't Know.....	0.5	Q	N	Q	Q	Q	Q	Q	Q
Size of Second Refrigerator									
Very Small (Less than 11 cf).....	3.4	0.4	Q	0.5	0.4	0.4	0.5	0.5	0.4
Small (11-14 cf).....	3.6	0.5	Q	0.4	0.4	0.7	0.4	0.5	0.4
Medium (15-18 cf).....	10.5	1.0	0.7	1.3	1.3	1.6	1.8	2.1	0.7
Large (19-22 cf).....	6.2	0.6	Q	0.5	0.8	1.2	0.9	1.5	0.6
Very Large (More than 22 cf).....	1.0	Q	Q	Q	Q	Q	Q	Q	Q
Separate Freezers									
Do Not Use a Separate Freezer.....	76.0	10.2	5.2	8.5	8.5	12.6	13.1	11.2	6.8
Use a Separate Freezer.....	35.1	4.5	2.2	4.0	3.9	6.3	5.5	6.1	2.5
1.....	32.2	3.9	2.1	3.8	3.5	5.8	5.2	5.7	2.2
2 or More.....	2.9	0.6	Q	0.3	0.4	0.5	0.4	0.4	Q
Most-Used Freezer Defrost Method									
Frost-Free.....	14.3	1.8	0.9	1.8	1.6	2.7	2.1	2.5	0.9
Manual.....	20.8	2.7	1.3	2.2	2.3	3.6	3.4	3.7	1.5
Type of Most-Used Freezer									
Upright.....	17.0	2.1	1.1	2.0	2.0	3.2	2.8	2.6	1.0
Chest.....	18.1	2.4	1.1	2.0	1.9	3.1	2.7	3.5	1.4

Table HC5.9 Home Appliances Characteristics by Year of Construction, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Year of Construction							
		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Age of Most-Used Freezer									
Less than 2 Years.....	3.5	0.3	Q	0.4	0.3	0.4	0.6	0.5	0.9
2 to 4 Years.....	6.0	0.6	0.4	0.7	0.7	1.1	0.7	1.3	0.5
5 to 9 Years.....	7.8	0.9	0.6	0.8	0.7	1.5	1.2	1.8	0.3
10 to 19 Years.....	9.3	1.3	0.5	1.0	1.0	1.5	1.8	1.7	0.5
20 Years or More.....	7.6	1.2	0.6	1.1	1.1	1.7	1.1	0.7	Q
Don't Know.....	0.7	Q	Q	Q	Q	Q	Q	Q	Q
Size of Most-Used Freezer									
Very Small (Less than 11 cf).....	3.1	0.3	Q	0.4	Q	0.8	0.3	0.5	0.4
Small (11-14 cf).....	8.9	1.3	0.5	1.1	0.9	1.5	1.5	1.6	0.6
Medium (15-18 cf).....	12.7	1.6	0.8	1.3	1.6	2.1	2.1	2.4	0.8
Large (19-22 cf).....	8.0	1.1	0.5	0.9	1.0	1.5	1.4	1.2	0.4
Very Large (More than 22 cf).....	2.5	Q	Q	0.4	0.2	0.5	0.3	0.5	Q
Other Kitchen Appliances									
Dishwasher									
Yes.....	64.7	5.6	2.8	5.1	6.0	11.3	12.6	13.5	7.8
No.....	46.4	9.1	4.6	7.4	6.4	7.5	6.0	3.8	1.4
Age of Dishwasher									
Less than 2 Years.....	11.5	1.1	0.5	1.0	1.0	1.4	1.7	1.8	3.0
2 to 4 Years.....	14.6	1.1	0.7	0.8	1.0	3.0	2.4	1.8	3.8
5 to 9 Years.....	19.2	1.7	0.8	1.7	1.8	3.5	3.1	5.9	0.7
10 to 19 Years.....	12.8	1.1	0.6	1.1	1.2	1.9	3.4	3.4	Q
20 Years or More.....	3.3	0.3	Q	0.5	0.5	0.8	1.1	N	Q
Don't Know.....	3.3	0.3	Q	Q	0.4	0.7	0.9	0.5	Q
Electric Coffee Maker									
Yes.....	67.2	8.1	3.9	7.6	7.1	11.6	11.2	11.4	6.3
No.....	43.9	6.6	3.5	4.9	5.4	7.3	7.4	6.0	3.0
Electric Toaster Oven									
Yes.....	37.3	4.7	2.8	4.5	4.0	6.0	6.4	5.4	3.4
No.....	73.8	10.0	4.6	8.0	8.4	12.9	12.1	11.9	5.8
Microwave Oven									
Yes.....	97.7	12.4	6.5	11.0	10.7	17.1	16.0	15.7	8.1
No.....	13.4	2.2	0.9	1.5	1.8	1.7	2.5	1.6	1.1
Clothes Washers and Dryers									
Clothes Washer									
Do Not Use a Clothes Washer.....	19.3	3.6	1.4	1.8	2.6	4.4	3.0	1.7	0.8
Use a Clothes Washer.....	91.8	11.1	6.0	10.7	9.9	14.5	15.6	15.6	8.4
Top Loading.....	84.1	10.1	5.7	10.1	9.2	13.6	14.3	14.0	7.1
Front Loading.....	7.7	1.0	0.3	0.7	0.7	0.9	1.2	1.6	1.3
Age of Clothes Washer									
Less than 2 Years.....	15.7	1.9	0.7	1.6	1.6	2.3	2.5	2.5	2.6
2 to 4 Years.....	21.1	2.0	1.4	2.3	2.1	3.2	4.0	3.3	2.9
5 to 9 Years.....	28.9	3.4	2.0	3.5	3.3	5.3	4.2	5.6	1.7
10 to 19 Years.....	19.9	2.9	1.5	2.4	2.3	2.7	3.6	3.4	0.9
20 Years or More.....	4.1	0.8	0.4	0.7	0.4	0.6	0.7	0.3	Q
Don't Know.....	2.2	0.1	Q	0.3	Q	0.4	0.5	0.4	Q

Table HC5.9 Home Appliances Characteristics by Year of Construction, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Year of Construction							
		Before 1940	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2005
Clothes Dryer									
Do Not Use a Clothes Dryer.....	23.6	4.5	2.0	2.7	3.1	4.7	3.5	2.1	1.0
Use a Clothes Dryer.....	87.5	10.2	5.4	9.9	9.3	14.2	15.0	15.3	8.2
Electric.....	67.2	7.4	3.3	6.9	6.8	11.3	12.4	12.8	6.4
Natural Gas.....	19.4	2.8	2.1	2.9	2.5	2.7	2.4	2.4	1.6
Propane/LPG.....	0.9	Q	Q	Q	Q	Q	Q	Q	Q
Age of Clothier Dryer									
Less than 2 Years.....	14.0	1.5	0.9	1.0	1.5	2.1	2.4	2.4	2.3
2 to 4 Years.....	18.7	1.8	0.8	1.9	1.9	3.0	3.4	2.9	2.9
5 to 9 Years.....	27.9	3.2	1.7	3.8	2.8	4.9	4.3	5.4	1.8
10 to 19 Years.....	19.5	2.6	1.5	2.3	2.2	2.8	3.6	3.6	0.9
20 Years or More.....	5.1	0.9	0.4	0.6	0.7	1.0	0.8	0.4	Q
Don't Know.....	2.3	0.2	Q	Q	0.3	0.4	0.5	0.5	Q
Other Appliances									
Use Ceiling Fans.....	77.2	9.5	4.6	8.7	7.8	12.7	12.7	13.9	7.3
1.....	21.7	3.4	1.0	2.6	2.0	4.1	3.8	3.3	1.4
2.....	17.4	2.1	0.9	1.8	1.9	3.0	2.8	3.0	1.9
3.....	12.3	1.5	1.1	1.5	1.5	1.8	1.8	2.0	1.1
4 or More.....	25.8	2.6	1.5	2.8	2.5	3.7	4.3	5.6	2.8
Auto Block/Engine/Battery Heater.....	0.8	Q	Q	Q	Q	Q	Q	Q	Q
Electric Dehumidifier.....	13.3	2.1	1.2	2.1	1.8	1.7	1.9	1.7	0.9
Electric Humidifier.....	14.2	1.9	1.0	1.6	1.2	2.1	2.2	2.8	1.5
Evaporative/Swamp Cooler.....	3.4	0.3	Q	0.4	0.3	1.0	0.9	0.3	Q
Filter Systems in Swimming Pools.....	8.3	0.5	0.2	0.8	1.2	1.9	1.5	1.4	0.7
Heated Aquarium.....	4.2	0.4	0.3	0.6	0.5	0.6	0.7	0.7	0.3
Outdoor Gas Light.....	1.3	Q	Q	Q	Q	Q	Q	Q	Q
Rechargeable Tools/Appliances.....	54.9	6.0	3.4	6.1	6.2	8.8	8.7	10.2	5.4
Well Water Pumps.....	14.1	1.9	0.6	1.1	1.1	2.5	2.3	3.4	1.3

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.

Table HC6.9 Home Appliances Characteristics by Number of Household Members, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Total U.S.	111.1	30.0	34.8	18.4	15.9	12.0
Cooking Appliances						
Conventional Ovens						
Use an Oven.....	109.6	29.5	34.4	18.2	15.7	11.8
1.....	103.3	28.4	32.0	17.3	14.7	11.0
2 or More.....	6.2	1.1	2.5	1.0	0.9	0.8
Do Not Use an Oven.....	1.5	0.6	0.4	Q	Q	Q
Most-Used Oven Fuel						
Electric.....	67.9	18.2	22.5	11.2	9.5	6.5
Natural Gas.....	36.4	9.9	10.0	6.1	5.6	4.7
Propane/LPG.....	5.2	1.3	1.9	0.9	0.6	0.5
Self-Cleaning Oven						
Use a Self-Cleaning Oven.....	62.9	13.2	22.5	10.8	9.6	6.7
Continuous.....	9.3	2.1	3.3	1.6	1.2	1.0
Manual Start.....	53.6	11.1	19.3	9.2	8.3	5.7
Do Not Use a Self-Cleaning Oven.....	46.7	16.2	11.9	7.4	6.1	5.1
Cooking Ranges						
Use a Cooking Range.....	109.8	29.6	34.5	18.3	15.6	11.8
1.....	105.5	28.7	33.0	17.6	15.0	11.2
2 or More.....	4.3	0.9	1.5	0.6	0.7	0.6
Do Not Use a Cooking Range.....	1.2	0.5	0.3	Q	0.2	Q
Most-Used Cooking Range Fuel						
Electric.....	65.2	18.0	21.5	10.7	9.0	6.0
Natural Gas.....	39.0	10.2	10.9	6.6	6.0	5.3
Propane/LPG.....	5.6	1.3	2.1	1.0	0.7	0.5
Built-in/Stove-top Grills						
Use a Built-in/Stove-top Grill.....	4.9	0.8	1.8	0.9	0.6	0.7
Do Not Use a Built-in/Stove-top Grill.....	106.2	29.2	33.0	17.5	15.3	11.3
Built-in/Stove-top Grill Fuel						
Electric.....	2.5	0.4	1.0	0.4	0.3	0.4
Natural Gas.....	2.2	0.4	0.7	0.6	0.3	0.3
Propane/LPG.....	Q	Q	Q	N	N	N
Refrigerators						
Use a Refrigerator.....	111.0	30.0	34.8	18.4	15.8	12.0
1.....	86.3	26.9	25.7	13.3	11.8	8.7
2 or More.....	24.6	3.1	9.2	5.1	4.0	3.3
Do Not Use a Refrigerator.....	Q	Q	N	Q	Q	N
Most-Used Refrigerator Defrost Method						
Frost-Free.....	102.8	27.1	33.1	17.0	14.8	10.8
Manual.....	8.0	2.8	1.7	1.3	1.0	1.1
Type of Most-Used Refrigerator						
2-Doors (top and bottom).....	64.6	20.2	18.9	10.6	8.5	6.3
2-Doors (side-by-side).....	33.0	4.7	11.5	6.1	6.2	4.5
Full-Size (single door).....	12.1	4.6	3.9	1.5	1.0	1.0
Half-Size/Other.....	1.0	0.4	0.4	Q	Q	Q

Table HC6.9 Home Appliances Characteristics by Number of Household Members, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Age of Most-Used Refrigerator						
Less than 2 Years.....	19.0	4.6	5.5	3.5	2.7	2.7
2 to 4 Years.....	22.7	4.2	7.6	3.8	4.1	3.0
5 to 9 Years.....	30.9	7.5	10.0	4.9	5.2	3.2
10 to 19 Years.....	25.7	8.3	8.4	4.2	2.8	2.0
20 Years or More.....	6.1	3.0	1.8	0.8	0.2	0.2
Don't Know.....	6.7	2.4	1.4	1.2	0.9	0.9
Size of Most-Used Refrigerator						
Very Small (Less than 11 cf).....	0.7	0.4	Q	Q	Q	Q
Small (11-14 cf).....	5.4	2.4	1.4	0.9	0.4	0.3
Medium (15-18 cf).....	53.8	17.6	16.7	8.2	6.5	4.8
Large (19-22 cf).....	42.7	8.4	13.9	7.8	7.6	5.0
Very Large (More than 22 cf).....	8.5	1.2	2.7	1.4	1.3	1.8
Through-the-Door Ice and Water Service						
Yes.....	29.8	4.4	10.4	5.4	5.8	3.9
No.....	81.1	25.6	24.4	13.0	10.1	8.1
Second Refrigerator						
Use a Second Refrigerator.....	24.6	3.1	9.2	5.1	4.0	3.3
Do Not Use a Second Refrigerator.....	86.3	26.9	25.7	13.3	11.8	8.7
Type of Second Refrigerator						
2-Doors (top and bottom).....	7.5	1.2	2.6	1.6	1.3	0.8
2-Doors (side-by-side).....	8.6	0.8	3.1	1.7	1.6	1.4
Full-Size (single door).....	2.8	0.4	1.2	0.4	0.5	0.3
Half-Size/Other.....	5.1	0.6	2.1	1.2	0.6	0.6
Age of Second Refrigerator						
Less than 2 Years.....	2.3	Q	0.8	0.7	0.4	0.3
2 to 4 Years.....	3.8	Q	1.5	0.7	0.6	0.8
5 to 9 Years.....	5.3	0.7	1.7	1.2	0.9	0.7
10 to 19 Years.....	8.6	1.0	3.4	1.6	1.4	1.1
20 Years or More.....	4.1	0.9	1.7	0.8	0.5	0.2
Don't Know.....	0.5	Q	Q	Q	Q	Q
Size of Second Refrigerator						
Very Small (Less than 11 cf).....	3.4	0.4	1.4	1.0	0.3	0.4
Small (11-14 cf).....	3.6	0.6	1.2	0.7	0.6	0.4
Medium (15-18 cf).....	10.5	1.3	4.2	2.3	1.5	1.3
Large (19-22 cf).....	6.2	0.7	2.0	1.0	1.4	1.1
Very Large (More than 22 cf).....	1.0	Q	0.4	Q	Q	Q
Separate Freezers						
Do Not Use a Separate Freezer.....	76.0	23.9	22.1	11.8	10.2	8.0
Use a Separate Freezer.....	35.1	6.2	12.7	6.6	5.6	3.9
1.....	32.2	5.7	11.5	6.2	5.3	3.5
2 or More.....	2.9	0.4	1.3	0.4	0.3	0.4
Most-Used Freezer Defrost Method						
Frost-Free.....	14.3	2.4	4.8	2.6	2.7	1.9
Manual.....	20.8	3.8	8.0	4.0	3.0	2.1
Type of Most-Used Freezer						
Upright.....	17.0	3.2	7.0	3.1	2.4	1.3
Chest.....	18.1	2.9	5.7	3.6	3.2	2.7

**Table HC6.9 Home Appliances Characteristics by Number of Household Members, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Age of Most-Used Freezer						
Less than 2 Years.....	3.5	0.5	1.0	0.8	0.6	0.6
2 to 4 Years.....	6.0	0.7	1.9	1.0	1.4	1.0
5 to 9 Years.....	7.8	1.1	2.7	1.6	1.4	1.0
10 to 19 Years.....	9.3	1.6	3.4	2.1	1.5	0.8
20 Years or More.....	7.6	2.0	3.6	1.1	0.6	0.3
Don't Know.....	0.7	Q	Q	Q	Q	0.2
Size of Most-Used Freezer						
Very Small (Less than 11 cf).....	3.1	0.8	0.9	0.6	0.5	0.3
Small (11-14 cf).....	8.9	1.4	3.4	1.5	1.4	1.1
Medium (15-18 cf).....	12.7	2.1	4.3	2.6	2.2	1.4
Large (19-22 cf).....	8.0	1.4	3.3	1.4	1.0	0.9
Very Large (More than 22 cf).....	2.5	0.5	0.8	0.4	0.6	0.2
Other Kitchen Appliances						
Dishwasher						
Yes.....	64.7	13.1	23.3	11.0	10.6	6.7
No.....	46.4	16.9	11.5	7.4	5.3	5.3
Age of Dishwasher						
Less than 2 Years.....	11.5	1.8	4.1	2.0	1.9	1.7
2 to 4 Years.....	14.6	2.3	5.4	2.6	2.8	1.5
5 to 9 Years.....	19.2	3.7	7.3	3.4	3.0	1.7
10 to 19 Years.....	12.8	3.1	4.4	1.9	2.1	1.2
20 Years or More.....	3.3	1.2	1.1	0.4	0.4	0.3
Don't Know.....	3.3	1.1	0.9	0.6	0.4	0.3
Electric Coffee Maker						
Yes.....	67.2	16.0	24.0	10.7	9.8	6.6
No.....	43.9	14.0	10.8	7.7	6.0	5.4
Electric Toaster Oven						
Yes.....	37.3	9.4	12.4	6.1	5.2	4.1
No.....	73.8	20.7	22.4	12.3	10.6	7.9
Microwave Oven						
Yes.....	97.7	25.4	31.4	16.6	14.1	10.2
No.....	13.4	4.6	3.4	1.8	1.8	1.7
Clothes Washers and Dryers						
Clothes Washer						
Do Not Use a Clothes Washer.....	19.3	8.7	4.7	2.5	1.9	1.4
Use a Clothes Washer.....	91.8	21.3	30.1	15.9	14.0	10.6
Top Loading.....	84.1	20.3	27.4	14.4	12.6	9.5
Front Loading.....	7.7	1.0	2.7	1.5	1.3	1.1
Age of Clothes Washer						
Less than 2 Years.....	15.7	2.2	5.1	3.0	2.9	2.5
2 to 4 Years.....	21.1	3.6	6.6	4.5	3.6	2.8
5 to 9 Years.....	28.9	6.5	10.0	4.8	4.7	3.0
10 to 19 Years.....	19.9	6.5	6.9	2.7	2.1	1.7
20 Years or More.....	4.1	1.9	1.1	0.5	0.4	Q
Don't Know.....	2.2	0.6	0.4	0.6	0.3	0.3

**Table HC6.9 Home Appliances Characteristics by Number of Household Members, 2005
Million U.S. Housing Units**

Home Appliances Characteristics	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Clothes Dryer						
Do Not Use a Clothes Dryer.....	23.6	10.1	5.7	3.2	2.5	2.1
Use a Clothes Dryer.....	87.5	19.9	29.2	15.1	13.4	9.9
Electric.....	67.2	15.5	22.5	11.8	10.2	7.3
Natural Gas.....	19.4	4.3	6.1	3.2	3.1	2.6
Propane/LPG.....	0.9	Q	0.5	Q	Q	Q
Age of Cloth Dryer						
Less than 2 Years.....	14.0	1.9	4.4	2.4	2.8	2.4
2 to 4 Years.....	18.7	3.5	5.8	4.0	3.3	2.2
5 to 9 Years.....	27.9	6.1	9.6	5.2	4.0	2.9
10 to 19 Years.....	19.5	5.6	7.1	2.6	2.4	1.7
20 Years or More.....	5.1	2.3	1.7	0.5	0.4	0.2
Don't Know.....	2.3	0.5	0.5	0.5	0.4	0.4
Other Appliances						
Use Ceiling Fans.....	77.2	18.4	25.6	12.9	11.7	8.6
1.....	21.7	6.7	6.2	3.4	3.2	2.1
2.....	17.4	4.7	5.4	2.9	2.3	2.0
3.....	12.3	2.8	4.5	1.9	1.7	1.3
4 or More.....	25.8	4.1	9.3	4.7	4.5	3.2
Auto Block/Engine/Battery Heater.....	0.8	Q	0.4	Q	Q	Q
Electric Dehumidifier.....	13.3	2.2	5.1	2.5	2.0	1.4
Electric Humidifier.....	14.2	2.5	4.8	2.9	2.4	1.6
Evaporative/Swamp Cooler.....	3.4	0.9	0.8	0.6	0.5	0.5
Filter Systems in Swimming Pools.....	8.3	0.6	2.6	1.7	1.7	1.6
Heated Aquarium.....	4.2	0.7	1.0	0.7	0.9	0.9
Outdoor Gas Light.....	1.3	0.4	0.4	Q	Q	Q
Rechargeable Tools/Appliances.....	54.9	9.9	20.4	9.8	9.0	5.8
Well Water Pumps.....	14.1	2.7	5.8	2.6	1.7	1.3

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.

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 ¹
		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
Total U.S.	111.1	26.7	28.8	20.6	13.1	22.0	16.6	38.6
Cooking Appliances								
Conventional Ovens								
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
Most-Used Oven Fuel								
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
Self-Cleaning Oven								
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
Cooking Ranges								
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
Most-Used Cooking Range Fuel								
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
Built-in/Stove-top Grills								
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
Built-in/Stove-top Grill Fuel								
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
Refrigerators								
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
Most-Used Refrigerator Defrost Method								
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
Type of Most-Used Refrigerator								
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

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 ¹
		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
Age of Most-Used Refrigerator								
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
Size of Most-Used Refrigerator								
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
Through-the-Door Ice and Water Service								
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
Second Refrigerator								
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
Type of Second Refrigerator								
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
Age of Second Refrigerator								
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
Size of Second Refrigerator								
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
Separate Freezers								
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
Most-Used Freezer Defrost Method								
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
Type of Most-Used Freezer								
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

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 ¹
		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
Age of Most-Used Freezer								
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
Size of Most-Used Freezer								
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
Other Kitchen Appliances								
Dishwasher								
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
Age of Dishwasher								
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
Electric Coffee Maker								
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
Electric Toaster Oven								
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
Microwave Oven								
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
Clothes Washers and Dryers								
Clothes Washer								
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
Age of Clothes Washer								
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

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 ¹
		Less than \$20,000	\$20,000 to \$39,999	\$40,000 to \$59,999	\$60,000 to \$79,999	\$80,000 or More		
Clothes Dryer								
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
Age of Clothier Dryer								
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
Other Appliances								
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.

Table HC8.9 Home Appliances Characteristics by Urban/Rural Location, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Suburbs	Rural
Total U.S.	111.1	47.1	19.0	22.7	22.3
Cooking Appliances					
Conventional Ovens					
Use an Oven.....	109.6	46.2	18.8	22.5	22.1
1.....	103.3	44.1	17.8	21.2	20.2
2 or More.....	6.2	2.1	1.0	1.3	1.9
Do Not Use an Oven.....	1.5	1.0	Q	0.2	Q
Most-Used Oven Fuel					
Electric.....	67.9	26.8	11.5	14.4	15.1
Natural Gas.....	36.4	19.2	6.9	7.6	2.7
Propane/LPG.....	5.2	0.2	0.4	0.4	4.2
Self-Cleaning Oven					
Use a Self-Cleaning Oven.....	62.9	22.5	10.8	15.7	13.9
Continuous.....	9.3	4.0	1.5	2.2	1.6
Manual Start.....	53.6	18.4	9.3	13.5	12.4
Do Not Use a Self-Cleaning Oven.....	46.7	23.7	8.0	6.8	8.2
Cooking Ranges					
Use a Cooking Range.....	109.8	46.3	18.9	22.5	22.1
1.....	105.5	44.7	18.1	21.8	20.9
2 or More.....	4.3	1.6	0.7	0.7	1.3
Do Not Use a Cooking Range.....	1.2	0.8	Q	Q	Q
Most-Used Cooking Range Fuel					
Electric.....	65.2	26.0	11.2	13.4	14.6
Natural Gas.....	39.0	20.1	7.3	8.7	2.9
Propane/LPG.....	5.6	0.2	0.4	0.5	4.5
Built-in/Stove-top Grills					
Use a Built-in/Stove-top Grill.....	4.9	1.8	1.2	1.0	0.8
Do Not Use a Built-in/Stove-top Grill.....	106.2	45.4	17.7	21.6	21.5
Built-in/Stove-top Grill Fuel					
Electric.....	2.5	0.7	0.5	0.7	0.6
Natural Gas.....	2.2	1.1	Q	Q	Q
Propane/LPG.....	Q	N	N	Q	Q
Refrigerators					
Use a Refrigerator.....	111.0	47.1	19.0	22.6	22.3
1.....	86.3	39.3	14.6	16.2	16.2
2 or More.....	24.6	7.8	4.3	6.5	6.0
Do Not Use a Refrigerator.....	Q	N	N	Q	Q
Most-Used Refrigerator Defrost Method					
Frost-Free.....	102.8	42.8	17.4	21.7	20.9
Manual.....	8.0	4.2	1.5	0.9	1.3
Type of Most-Used Refrigerator					
2-Doors (top and bottom).....	64.6	29.8	11.2	11.4	12.1
2-Doors (side-by-side).....	33.0	10.8	5.2	8.7	8.3
Full-Size (single door).....	12.1	5.9	2.4	2.2	1.6
Half-Size/Other.....	1.0	0.5	Q	Q	Q

Table HC8.9 Home Appliances Characteristics by Urban/Rural Location, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Suburbs	Rural
Age of Most-Used Refrigerator					
Less than 2 Years.....	19.0	8.5	2.8	4.4	3.4
2 to 4 Years.....	22.7	9.9	4.0	4.4	4.3
5 to 9 Years.....	30.9	11.9	5.2	6.7	7.1
10 to 19 Years.....	25.7	10.8	4.6	4.9	5.3
20 Years or More.....	6.1	2.5	1.0	1.2	1.5
Don't Know.....	6.7	3.5	1.4	1.0	0.8
Size of Most-Used Refrigerator					
Very Small (Less than 11 cf).....	0.7	0.5	Q	Q	Q
Small (11-14 cf).....	5.4	2.8	1.1	0.7	0.8
Medium (15-18 cf).....	53.8	25.2	9.2	9.7	9.7
Large (19-22 cf).....	42.7	16.2	7.2	9.5	9.9
Very Large (More than 22 cf).....	8.5	2.5	1.4	2.7	1.8
Through-the-Door Ice and Water Service					
Yes.....	29.8	9.8	4.6	8.0	7.4
No.....	81.1	37.3	14.4	14.6	14.9
Second Refrigerator					
Use a Second Refrigerator.....	24.6	7.8	4.3	6.5	6.0
Do Not Use a Second Refrigerator.....	86.3	39.3	14.6	16.2	16.2
Type of Second Refrigerator					
2-Doors (top and bottom).....	7.5	2.7	1.4	1.9	1.5
2-Doors (side-by-side).....	8.6	2.4	1.3	2.5	2.3
Full-Size (single door).....	2.8	0.8	0.5	0.6	1.0
Half-Size/Other.....	5.1	1.7	0.9	1.5	0.9
Age of Second Refrigerator					
Less than 2 Years.....	2.3	0.8	0.4	0.6	0.4
2 to 4 Years.....	3.8	1.3	0.6	1.1	0.8
5 to 9 Years.....	5.3	1.8	0.9	1.3	1.3
10 to 19 Years.....	8.6	2.6	1.4	2.6	2.0
20 Years or More.....	4.1	1.0	0.8	0.9	1.4
Don't Know.....	0.5	0.2	Q	Q	Q
Size of Second Refrigerator					
Very Small (Less than 11 cf).....	3.4	1.1	0.7	0.8	0.7
Small (11-14 cf).....	3.6	1.2	0.7	0.8	0.8
Medium (15-18 cf).....	10.5	3.3	1.7	2.6	3.0
Large (19-22 cf).....	6.2	1.8	1.2	1.9	1.3
Very Large (More than 22 cf).....	1.0	0.3	Q	0.3	Q
Separate Freezers					
Do Not Use a Separate Freezer.....	76.0	37.0	13.1	15.9	10.0
Use a Separate Freezer.....	35.1	10.1	5.9	6.7	12.3
1.....	32.2	9.4	5.4	6.5	10.9
2 or More.....	2.9	0.7	0.5	0.3	1.4
Most-Used Freezer Defrost Method					
Frost-Free.....	14.3	4.5	2.2	2.5	5.1
Manual.....	20.8	5.6	3.7	4.3	7.2
Type of Most-Used Freezer					
Upright.....	17.0	4.8	3.0	3.8	5.5
Chest.....	18.1	5.4	2.9	3.0	6.8

Table HC8.9 Home Appliances Characteristics by Urban/Rural Location, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Suburbs	Rural
Age of Most-Used Freezer					
Less than 2 Years.....	3.5	1.1	0.7	0.8	1.0
2 to 4 Years.....	6.0	1.9	1.0	1.1	1.9
5 to 9 Years.....	7.8	2.2	1.3	1.7	2.6
10 to 19 Years.....	9.3	2.5	1.6	1.8	3.4
20 Years or More.....	7.6	2.3	1.2	1.2	3.0
Don't Know.....	0.7	0.2	Q	Q	0.3
Size of Most-Used Freezer					
Very Small (Less than 11 cf).....	3.1	1.1	0.6	0.6	0.8
Small (11-14 cf).....	8.9	2.5	1.7	1.7	3.0
Medium (15-18 cf).....	12.7	3.6	2.0	2.6	4.5
Large (19-22 cf).....	8.0	2.3	1.1	1.4	3.2
Very Large (More than 22 cf).....	2.5	0.7	0.5	0.5	0.8
Other Kitchen Appliances					
Dishwasher					
Yes.....	64.7	23.7	10.7	17.2	13.2
No.....	46.4	23.4	8.3	5.5	9.2
Age of Dishwasher					
Less than 2 Years.....	11.5	4.1	1.8	3.1	2.5
2 to 4 Years.....	14.6	4.8	2.2	4.6	3.0
5 to 9 Years.....	19.2	6.4	3.4	4.9	4.5
10 to 19 Years.....	12.8	5.0	2.4	2.9	2.5
20 Years or More.....	3.3	1.5	0.6	0.8	0.5
Don't Know.....	3.3	1.8	0.4	0.9	Q
Electric Coffee Maker					
Yes.....	67.2	24.8	12.0	14.5	15.9
No.....	43.9	22.3	7.0	8.1	6.5
Electric Toaster Oven					
Yes.....	37.3	15.5	6.6	8.6	6.6
No.....	73.8	31.7	12.3	14.0	15.8
Microwave Oven					
Yes.....	97.7	40.3	17.2	20.5	19.7
No.....	13.4	6.9	1.8	2.1	2.6
Clothes Washers and Dryers					
Clothes Washer					
Do Not Use a Clothes Washer.....	19.3	11.9	3.3	2.6	1.6
Use a Clothes Washer.....	91.8	35.2	15.7	20.1	20.8
Top Loading.....	84.1	32.8	14.7	17.8	18.8
Front Loading.....	7.7	2.4	1.0	2.3	1.9
Age of Clothes Washer					
Less than 2 Years.....	15.7	6.3	2.7	3.4	3.3
2 to 4 Years.....	21.1	8.4	3.2	4.8	4.7
5 to 9 Years.....	28.9	11.0	4.9	6.1	6.9
10 to 19 Years.....	19.9	6.9	3.6	4.7	4.7
20 Years or More.....	4.1	1.5	1.0	0.7	0.8
Don't Know.....	2.2	1.2	0.3	0.4	0.4

Table HC8.9 Home Appliances Characteristics by Urban/Rural Location, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Suburbs	Rural
Clothes Dryer					
Do Not Use a Clothes Dryer.....	23.6	14.1	4.0	3.0	2.5
Use a Clothes Dryer.....	87.5	33.0	15.0	19.7	19.8
Electric.....	67.2	24.5	11.3	13.7	17.7
Natural Gas.....	19.4	8.5	3.6	5.9	1.4
Propane/LPG.....	0.9	Q	Q	Q	0.8
Age of Clothier Dryer					
Less than 2 Years.....	14.0	5.6	2.4	3.0	3.1
2 to 4 Years.....	18.7	7.3	3.0	4.4	4.0
5 to 9 Years.....	27.9	10.3	4.9	6.0	6.7
10 to 19 Years.....	19.5	7.0	3.4	4.7	4.4
20 Years or More.....	5.1	1.6	0.9	1.2	1.3
Don't Know.....	2.3	1.2	0.3	0.4	0.4
Other Appliances					
Use Ceiling Fans.....	77.2	29.7	12.7	17.2	17.6
1.....	21.7	9.5	3.3	4.3	4.6
2.....	17.4	6.6	2.5	3.7	4.5
3.....	12.3	5.0	2.1	2.6	2.6
4 or More.....	25.8	8.6	4.7	6.7	5.8
Auto Block/Engine/Battery Heater.....	0.8	Q	Q	Q	0.4
Electric Dehumidifier.....	13.3	3.8	2.7	3.7	3.1
Electric Humidifier.....	14.2	4.0	2.6	4.1	3.6
Evaporative/Swamp Cooler.....	3.4	1.8	0.3	0.4	0.8
Filter Systems in Swimming Pools.....	8.3	2.5	1.1	2.7	2.0
Heated Aquarium.....	4.2	1.8	0.7	0.9	0.8
Outdoor Gas Light.....	1.3	0.3	0.2	0.5	Q
Rechargeable Tools/Appliances.....	54.9	19.9	8.4	13.4	13.2
Well Water Pumps.....	14.1	1.2	1.2	1.2	10.4

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.

Table HC9.9 Home Appliances Characteristics by Climate Zone, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Climate Zone ¹					2,000 CDD or More and Less than 4,000 HDD
		Less than 2,000 CDD and --					
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD		
Total U.S.	111.1	10.9	26.1	27.3	24.0	22.8	
Cooking Appliances							
Conventional Ovens							
Use an Oven.....	109.6	10.9	25.7	27.1	23.4	22.4	
1.....	103.3	10.2	24.3	25.3	22.2	21.3	
2 or More.....	6.2	0.6	1.5	1.8	1.2	1.1	
Do Not Use an Oven.....	1.5	Q	0.3	Q	0.6	0.4	
Most-Used Oven Fuel							
Electric.....	67.9	7.2	14.1	16.7	13.2	16.7	
Natural Gas.....	36.4	2.5	10.6	9.6	9.0	4.8	
Propane/LPG.....	5.2	1.2	1.0	0.8	1.2	1.0	
Self-Cleaning Oven							
Use a Self-Cleaning Oven.....	62.9	7.5	15.6	15.1	11.7	13.0	
Continuous.....	9.3	1.0	2.7	2.1	2.0	1.6	
Manual Start.....	53.6	6.5	12.9	13.0	9.7	11.5	
Do Not Use a Self-Cleaning Oven.....	46.7	3.4	10.2	12.0	11.7	9.4	
Cooking Ranges							
Use a Cooking Range.....	109.8	10.9	25.9	27.2	23.4	22.5	
1.....	105.5	10.5	24.7	25.8	22.7	21.9	
2 or More.....	4.3	0.4	1.2	1.4	0.7	0.6	
Do Not Use a Cooking Range.....	1.2	Q	0.2	Q	0.6	0.3	
Most-Used Cooking Range Fuel							
Electric.....	65.2	7.0	13.7	16.2	12.3	16.0	
Natural Gas.....	39.0	2.7	11.0	10.1	9.7	5.5	
Propane/LPG.....	5.6	1.2	1.1	0.9	1.3	1.0	
Built-in/Stove-top Grills							
Use a Built-in/Stove-top Grill.....	4.9	0.4	0.8	2.0	1.1	0.6	
Do Not Use a Built-in/Stove-top Grill.....	106.2	10.6	25.2	25.3	22.9	22.2	
Built-in/Stove-top Grill Fuel							
Electric.....	2.5	0.3	0.4	0.7	0.7	0.5	
Natural Gas.....	2.2	Q	Q	1.3	0.4	Q	
Propane/LPG.....	Q	Q	Q	Q	Q	Q	
Refrigerators							
Use a Refrigerator.....	111.0	10.9	26.1	27.3	23.9	22.8	
1.....	86.3	7.7	20.1	20.8	19.2	18.6	
2 or More.....	24.6	3.3	5.9	6.5	4.8	4.2	
Do Not Use a Refrigerator.....	Q	N	Q	Q	Q	Q	
Most-Used Refrigerator Defrost Method							
Frost-Free.....	102.8	10.1	23.7	24.9	22.6	21.4	
Manual.....	8.0	0.9	2.2	2.3	1.3	1.3	
Type of Most-Used Refrigerator							
2-Doors (top and bottom).....	64.6	7.0	16.4	16.7	12.9	11.6	
2-Doors (side-by-side).....	33.0	2.8	6.2	7.5	8.2	8.4	
Full-Size (single door).....	12.1	1.1	3.0	2.8	2.5	2.6	
Half-Size/Other.....	1.0	Q	0.3	Q	0.4	Q	

Table HC9.9 Home Appliances Characteristics by Climate Zone, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Climate Zone ¹					2,000 CDD or More and Less than 4,000 HDD
		Less than 2,000 CDD and --					
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD		
Age of Most-Used Refrigerator							
Less than 2 Years.....	19.0	1.4	4.3	4.5	5.0	3.8	
2 to 4 Years.....	22.7	2.2	4.8	5.4	4.8	5.6	
5 to 9 Years.....	30.9	3.3	6.8	7.3	7.2	6.2	
10 to 19 Years.....	25.7	2.7	6.5	6.8	5.1	4.6	
20 Years or More.....	6.1	0.8	1.7	1.6	0.9	1.2	
Don't Know.....	6.7	0.5	2.0	1.8	1.0	1.4	
Size of Most-Used Refrigerator							
Very Small (Less than 11 cf).....	0.7	Q	Q	Q	Q	Q	
Small (11-14 cf).....	5.4	0.5	1.4	1.7	0.8	0.9	
Medium (15-18 cf).....	53.8	5.0	13.8	13.6	10.3	11.0	
Large (19-22 cf).....	42.7	4.5	9.0	9.8	10.6	8.7	
Very Large (More than 22 cf).....	8.5	0.8	1.7	2.0	2.0	2.0	
Through-the-Door Ice and Water Service							
Yes.....	29.8	2.5	5.1	6.7	7.9	7.6	
No.....	81.1	8.5	20.9	20.5	16.0	15.1	
Second Refrigerator							
Use a Second Refrigerator.....	24.6	3.3	5.9	6.5	4.8	4.2	
Do Not Use a Second Refrigerator.....	86.3	7.7	20.1	20.8	19.2	18.6	
Type of Second Refrigerator							
2-Doors (top and bottom).....	7.5	1.0	2.2	2.2	1.1	0.9	
2-Doors (side-by-side).....	8.6	1.1	1.5	2.2	2.0	1.7	
Full-Size (single door).....	2.8	0.3	0.7	0.6	0.6	0.5	
Half-Size/Other.....	5.1	0.7	1.3	1.2	1.0	0.9	
Age of Second Refrigerator							
Less than 2 Years.....	2.3	0.3	0.4	0.6	0.5	0.4	
2 to 4 Years.....	3.8	0.4	0.8	1.1	0.8	0.8	
5 to 9 Years.....	5.3	0.7	1.1	1.4	1.2	0.9	
10 to 19 Years.....	8.6	1.1	2.2	2.3	1.7	1.3	
20 Years or More.....	4.1	0.8	1.3	0.8	0.6	0.6	
Don't Know.....	0.5	Q	Q	Q	Q	Q	
Size of Second Refrigerator							
Very Small (Less than 11 cf).....	3.4	0.4	0.8	1.0	0.6	0.5	
Small (11-14 cf).....	3.6	0.5	1.1	0.8	0.5	0.6	
Medium (15-18 cf).....	10.5	1.6	2.4	2.6	1.9	1.9	
Large (19-22 cf).....	6.2	0.7	1.5	1.8	1.5	0.7	
Very Large (More than 22 cf).....	1.0	Q	Q	Q	Q	0.4	
Separate Freezers							
Do Not Use a Separate Freezer.....	76.0	5.7	17.7	19.1	17.3	16.1	
Use a Separate Freezer.....	35.1	5.2	8.3	8.2	6.7	6.7	
1.....	32.2	4.6	7.7	7.5	6.3	6.1	
2 or More.....	2.9	0.6	0.6	0.7	0.4	0.6	
Most-Used Freezer Defrost Method							
Frost-Free.....	14.3	1.8	3.0	3.1	3.2	3.1	
Manual.....	20.8	3.4	5.3	5.1	3.5	3.6	
Type of Most-Used Freezer							
Upright.....	17.0	2.5	4.3	4.2	3.3	2.7	
Chest.....	18.1	2.7	4.1	4.0	3.3	4.0	

Table HC9.9 Home Appliances Characteristics by Climate Zone, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Climate Zone ¹					2,000 CDD or More and Less than 4,000 HDD
		Less than 2,000 CDD and --					
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD		
Age of Most-Used Freezer							
Less than 2 Years.....	3.5	0.5	0.8	0.8	0.8	0.7	
2 to 4 Years.....	6.0	0.7	1.2	1.3	1.3	1.5	
5 to 9 Years.....	7.8	1.0	2.0	1.6	1.4	1.9	
10 to 19 Years.....	9.3	1.3	2.2	2.2	2.1	1.4	
20 Years or More.....	7.6	1.5	1.9	2.1	1.0	1.1	
Don't Know.....	0.7	Q	Q	0.3	Q	Q	
Size of Most-Used Freezer							
Very Small (Less than 11 cf).....	3.1	0.5	0.9	0.8	0.3	0.5	
Small (11-14 cf).....	8.9	1.1	2.0	2.1	1.8	1.9	
Medium (15-18 cf).....	12.7	1.8	3.1	2.8	2.5	2.6	
Large (19-22 cf).....	8.0	1.2	1.9	1.8	1.5	1.5	
Very Large (More than 22 cf).....	2.5	0.6	0.4	0.7	0.5	0.3	
Other Kitchen Appliances							
Dishwasher							
Yes.....	64.7	6.7	14.8	15.2	14.1	13.8	
No.....	46.4	4.2	11.2	12.1	9.9	9.0	
Age of Dishwasher							
Less than 2 Years.....	11.5	1.3	2.7	2.6	2.5	2.3	
2 to 4 Years.....	14.6	1.6	3.3	2.8	2.8	4.1	
5 to 9 Years.....	19.2	2.1	4.1	5.0	4.6	3.3	
10 to 19 Years.....	12.8	1.3	2.9	3.3	2.9	2.5	
20 Years or More.....	3.3	0.3	0.9	0.7	0.6	0.8	
Don't Know.....	3.3	Q	0.9	0.9	0.7	0.7	
Electric Coffee Maker							
Yes.....	67.2	7.2	16.0	16.5	13.3	14.1	
No.....	43.9	3.7	10.1	10.8	10.6	8.7	
Electric Toaster Oven							
Yes.....	37.3	2.3	8.7	9.6	8.8	7.9	
No.....	73.8	8.6	17.4	17.7	15.2	14.9	
Microwave Oven							
Yes.....	97.7	10.3	22.9	24.1	20.8	19.6	
No.....	13.4	0.7	3.2	3.2	3.1	3.2	
Clothes Washers and Dryers							
Clothes Washer							
Do Not Use a Clothes Washer.....	19.3	1.1	5.2	5.7	3.9	3.3	
Use a Clothes Washer.....	91.8	9.8	20.9	21.6	20.0	19.5	
Top Loading.....	84.1	8.7	18.7	20.1	18.4	18.2	
Front Loading.....	7.7	1.2	2.2	1.4	1.6	1.3	
Age of Clothes Washer							
Less than 2 Years.....	15.7	1.6	3.5	3.6	3.7	3.3	
2 to 4 Years.....	21.1	2.0	4.2	4.7	5.1	5.1	
5 to 9 Years.....	28.9	3.0	6.3	6.6	6.0	6.9	
10 to 19 Years.....	19.9	2.6	5.2	5.1	4.0	3.0	
20 Years or More.....	4.1	0.5	1.0	1.1	0.7	0.7	
Don't Know.....	2.2	Q	0.6	0.5	0.5	0.5	

Table HC9.9 Home Appliances Characteristics by Climate Zone, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Climate Zone ¹				
		Less than 2,000 CDD and --				2,000 CDD or More and Less than 4,000 HDD
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD	
Clothes Dryer						
Do Not Use a Clothes Dryer.....	23.6	1.3	5.7	7.3	4.6	4.6
Use a Clothes Dryer.....	87.5	9.6	20.3	20.0	19.3	18.2
Electric.....	67.2	7.0	13.6	16.6	13.7	16.3
Natural Gas.....	19.4	2.3	6.5	3.2	5.5	1.8
Propane/LPG.....	0.9	Q	Q	Q	Q	Q
Age of Clothier Dryer						
Less than 2 Years.....	14.0	1.4	3.5	2.8	3.3	2.9
2 to 4 Years.....	18.7	2.1	3.7	3.9	4.4	4.6
5 to 9 Years.....	27.9	2.9	6.1	6.3	6.1	6.5
10 to 19 Years.....	19.5	2.3	4.9	5.0	4.1	3.2
20 Years or More.....	5.1	0.7	1.4	1.5	0.9	0.7
Don't Know.....	2.3	0.2	0.7	0.6	0.5	0.4
Other Appliances						
Use Ceiling Fans.....	77.2	7.3	17.1	17.6	16.7	18.5
1.....	21.7	2.8	5.5	5.3	4.9	3.2
2.....	17.4	1.9	3.9	4.5	3.8	3.3
3.....	12.3	1.3	2.7	2.9	2.2	3.2
4 or More.....	25.8	1.4	5.0	4.8	5.7	8.9
Auto Block/Engine/Battery Heater.....	0.8	0.5	0.2	N	N	N
Electric Dehumidifier.....	13.3	3.0	5.6	3.4	0.7	0.5
Electric Humidifier.....	14.2	2.6	5.2	3.9	1.6	0.9
Evaporative/Swamp Cooler.....	3.4	0.3	0.8	Q	1.1	0.5
Filter Systems in Swimming Pools.....	8.3	0.5	1.5	1.5	2.2	2.7
Heated Aquarium.....	4.2	0.3	1.0	1.2	0.9	0.8
Outdoor Gas Light.....	1.3	Q	0.3	0.3	Q	0.4
Rechargeable Tools/Appliances.....	54.9	6.3	12.3	13.4	11.9	11.0
Well Water Pumps.....	14.1	3.5	3.4	2.5	2.1	2.6

1. One of five climatically distinct areas, determined according to the 30-year average (1971-2000) of the annual heating and cooling degree-days. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

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.

Table HC10.9 Home Appliances Characteristics by U.S. Census Regions, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Total U.S.	111.1	20.6	25.6	40.7	24.2
Cooking Appliances					
Conventional Ovens					
Use an Oven.....	109.6	20.3	25.3	40.2	23.7
1.....	103.3	18.7	24.0	38.2	22.4
2 or More.....	6.2	1.6	1.3	2.1	1.3
Do Not Use an Oven.....	1.5	0.2	0.3	0.5	0.5
Most-Used Oven Fuel					
Electric.....	67.9	9.7	14.7	30.1	13.4
Natural Gas.....	36.4	9.4	9.6	8.1	9.2
Propane/LPG.....	5.2	1.2	1.1	2.0	1.0
Self-Cleaning Oven					
Use a Self-Cleaning Oven.....	62.9	11.1	16.1	22.5	13.1
Continuous.....	9.3	1.9	2.8	3.0	1.6
Manual Start.....	53.6	9.3	13.3	19.5	11.5
Do Not Use a Self-Cleaning Oven.....	46.7	9.2	9.2	17.7	10.5
Cooking Ranges					
Use a Cooking Range.....	109.8	20.4	25.5	40.2	23.7
1.....	105.5	19.1	24.6	38.9	23.0
2 or More.....	4.3	1.3	0.9	1.4	0.7
Do Not Use a Cooking Range.....	1.2	Q	Q	0.5	0.5
Most-Used Cooking Range Fuel					
Electric.....	65.2	9.4	14.4	29.0	12.4
Natural Gas.....	39.0	9.8	10.0	9.0	10.2
Propane/LPG.....	5.6	1.3	1.1	2.1	1.1
Built-in/Stove-top Grills					
Use a Built-in/Stove-top Grill.....	4.9	1.8	0.7	1.2	1.1
Do Not Use a Built-in/Stove-top Grill.....	106.2	18.8	24.9	39.5	23.1
Built-in/Stove-top Grill Fuel					
Electric.....	2.5	0.3	0.6	0.9	0.7
Natural Gas.....	2.2	1.5	Q	Q	0.4
Propane/LPG.....	Q	Q	Q	Q	Q
Refrigerators					
Use a Refrigerator.....	111.0	20.6	25.6	40.6	24.2
1.....	86.3	16.3	18.5	32.7	18.9
2 or More.....	24.6	4.3	7.1	8.0	5.3
Do Not Use a Refrigerator.....	Q	Q	Q	Q	N
Most-Used Refrigerator Defrost Method					
Frost-Free.....	102.8	18.5	23.9	38.2	22.2
Manual.....	8.0	2.0	1.7	2.4	1.9
Type of Most-Used Refrigerator					
2-Doors (top and bottom).....	64.6	13.1	16.2	22.6	12.7
2-Doors (side-by-side).....	33.0	4.4	6.8	13.8	8.1
Full-Size (single door).....	12.1	2.8	2.4	4.1	2.9
Half-Size/Other.....	1.0	0.2	Q	Q	0.5

Table HC10.9 Home Appliances Characteristics by U.S. Census Regions, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Age of Most-Used Refrigerator					
Less than 2 Years.....	19.0	3.1	3.9	6.7	5.2
2 to 4 Years.....	22.7	4.3	4.6	8.9	5.0
5 to 9 Years.....	30.9	5.3	7.4	11.3	6.9
10 to 19 Years.....	25.7	5.3	6.7	9.0	4.7
20 Years or More.....	6.1	1.3	1.5	2.2	1.1
Don't Know.....	6.7	1.3	1.5	2.6	1.3
Size of Most-Used Refrigerator					
Very Small (Less than 11 cf).....	0.7	Q	Q	Q	0.3
Small (11-14 cf).....	5.4	1.4	1.2	1.8	1.0
Medium (15-18 cf).....	53.8	11.4	12.2	19.4	10.8
Large (19-22 cf).....	42.7	6.5	10.1	16.3	9.8
Very Large (More than 22 cf).....	8.5	1.2	2.0	2.9	2.4
Through-the-Door Ice and Water Service					
Yes.....	29.8	3.6	5.9	12.7	7.6
No.....	81.1	17.0	19.7	27.9	16.6
Second Refrigerator					
Use a Second Refrigerator.....	24.6	4.3	7.1	8.0	5.3
Do Not Use a Second Refrigerator.....	86.3	16.3	18.5	32.7	18.9
Type of Second Refrigerator					
2-Doors (top and bottom).....	7.5	1.7	2.6	1.9	1.3
2-Doors (side-by-side).....	8.6	1.1	2.2	3.1	2.2
Full-Size (single door).....	2.8	0.5	0.6	1.0	0.7
Half-Size/Other.....	5.1	0.9	1.4	1.7	1.1
Age of Second Refrigerator					
Less than 2 Years.....	2.3	0.3	0.7	0.8	0.5
2 to 4 Years.....	3.8	0.6	0.9	1.4	0.9
5 to 9 Years.....	5.3	1.1	1.5	1.6	1.2
10 to 19 Years.....	8.6	1.4	2.5	2.9	1.8
20 Years or More.....	4.1	0.8	1.3	1.1	0.9
Don't Know.....	0.5	Q	Q	Q	Q
Size of Second Refrigerator					
Very Small (Less than 11 cf).....	3.4	0.7	0.9	1.0	0.8
Small (11-14 cf).....	3.6	0.7	1.1	1.2	0.6
Medium (15-18 cf).....	10.5	1.8	2.9	3.7	2.0
Large (19-22 cf).....	6.2	1.0	2.0	1.7	1.5
Very Large (More than 22 cf).....	1.0	Q	Q	0.5	0.3
Separate Freezers					
Do Not Use a Separate Freezer.....	76.0	16.2	15.4	27.1	17.2
Use a Separate Freezer.....	35.1	4.4	10.2	13.6	7.0
1.....	32.2	4.1	9.1	12.5	6.4
2 or More.....	2.9	0.2	1.0	1.0	0.6
Most-Used Freezer Defrost Method					
Frost-Free.....	14.3	1.5	3.7	6.2	2.8
Manual.....	20.8	2.8	6.5	7.4	4.1
Type of Most-Used Freezer					
Upright.....	17.0	2.3	4.7	5.6	4.5
Chest.....	18.1	2.1	5.5	8.0	2.5

Table HC10.9 Home Appliances Characteristics by U.S. Census Regions, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Age of Most-Used Freezer					
Less than 2 Years.....	3.5	0.4	1.0	1.5	0.7
2 to 4 Years.....	6.0	0.6	1.5	2.6	1.3
5 to 9 Years.....	7.8	0.9	2.4	3.3	1.2
10 to 19 Years.....	9.3	1.5	2.4	3.7	1.7
20 Years or More.....	7.6	0.9	2.8	2.1	1.8
Don't Know.....	0.7	Q	Q	0.4	Q
Size of Most-Used Freezer					
Very Small (Less than 11 cf).....	3.1	0.3	1.2	0.9	0.7
Small (11-14 cf).....	8.9	1.4	2.0	3.9	1.6
Medium (15-18 cf).....	12.7	1.7	3.7	4.9	2.4
Large (19-22 cf).....	8.0	0.8	2.3	3.2	1.7
Very Large (More than 22 cf).....	2.5	Q	1.1	0.6	0.6
Other Kitchen Appliances					
Dishwasher					
Yes.....	64.7	10.3	14.7	25.0	14.7
No.....	46.4	10.3	10.9	15.7	9.5
Age of Dishwasher					
Less than 2 Years.....	11.5	1.8	2.5	4.3	2.8
2 to 4 Years.....	14.6	2.0	3.3	6.1	3.2
5 to 9 Years.....	19.2	2.9	4.7	7.0	4.5
10 to 19 Years.....	12.8	2.5	2.8	4.7	2.8
20 Years or More.....	3.3	0.8	0.6	1.4	0.5
Don't Know.....	3.3	0.3	0.8	1.4	0.8
Electric Coffee Maker					
Yes.....	67.2	12.0	16.2	25.2	13.7
No.....	43.9	8.6	9.4	15.5	10.5
Electric Toaster Oven					
Yes.....	37.3	9.0	6.5	13.7	8.1
No.....	73.8	11.6	19.1	27.0	16.1
Microwave Oven					
Yes.....	97.7	17.6	23.2	35.2	21.7
No.....	13.4	3.0	2.4	5.5	2.5
Clothes Washers and Dryers					
Clothes Washer					
Do Not Use a Clothes Washer.....	19.3	5.2	3.6	5.9	4.6
Use a Clothes Washer.....	91.8	15.4	22.0	34.8	19.6
Top Loading.....	84.1	14.0	20.2	32.7	17.2
Front Loading.....	7.7	1.4	1.8	2.1	2.4
Age of Clothes Washer					
Less than 2 Years.....	15.7	2.8	3.2	5.7	4.1
2 to 4 Years.....	21.1	3.4	4.0	8.7	4.9
5 to 9 Years.....	28.9	4.6	7.0	11.6	5.7
10 to 19 Years.....	19.9	3.4	6.3	6.5	3.6
20 Years or More.....	4.1	0.9	1.1	1.4	0.7
Don't Know.....	2.2	0.3	0.4	1.0	0.5

Table HC10.9 Home Appliances Characteristics by U.S. Census Regions, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Clothes Dryer					
Do Not Use a Clothes Dryer.....	23.6	6.8	3.9	7.5	5.4
Use a Clothes Dryer.....	87.5	13.7	21.7	33.2	18.8
Electric.....	67.2	9.2	14.9	30.7	12.5
Natural Gas.....	19.4	4.4	6.4	2.3	6.2
Propane/LPG.....	0.9	Q	0.4	Q	Q
Age of Clothier Dryer					
Less than 2 Years.....	14.0	2.1	3.2	5.2	3.5
2 to 4 Years.....	18.7	2.8	3.8	7.8	4.3
5 to 9 Years.....	27.9	4.1	7.0	10.8	5.9
10 to 19 Years.....	19.5	3.1	5.7	7.0	3.7
20 Years or More.....	5.1	1.2	1.6	1.5	0.9
Don't Know.....	2.3	0.3	0.5	1.0	0.5
Other Appliances					
Use Ceiling Fans.....	77.2	11.1	19.3	32.3	14.5
1.....	21.7	3.8	5.3	7.1	5.5
2.....	17.4	2.8	4.4	6.8	3.3
3.....	12.3	1.8	3.4	5.3	1.8
4 or More.....	25.8	2.8	6.1	13.2	3.8
Auto Block/Engine/Battery Heater.....	0.8	Q	0.4	N	0.2
Electric Dehumidifier.....	13.3	4.1	6.1	2.7	0.3
Electric Humidifier.....	14.2	3.0	6.0	3.2	1.9
Evaporative/Swamp Cooler.....	3.4	N	Q	Q	3.3
Filter Systems in Swimming Pools.....	8.3	1.6	1.5	3.1	2.2
Heated Aquarium.....	4.2	0.7	1.0	1.6	0.8
Outdoor Gas Light.....	1.3	Q	0.3	0.6	Q
Rechargeable Tools/Appliances.....	54.9	8.4	13.6	20.2	12.6
Well Water Pumps.....	14.1	2.9	3.6	5.7	1.8

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.

Table HC11.9 Home Appliances Characteristics by Northeast Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Total U.S.	111.1	20.6	15.1	5.5
Cooking Appliances				
Conventional Ovens				
Use an Oven.....	109.6	20.3	14.9	5.4
1.....	103.3	18.7	13.6	5.2
2 or More.....	6.2	1.6	1.4	0.2
Do Not Use an Oven.....	1.5	0.2	Q	Q
Most-Used Oven Fuel				
Electric.....	67.9	9.7	6.2	3.6
Natural Gas.....	36.4	9.4	7.9	1.5
Propane/LPG.....	5.2	1.2	0.9	0.3
Self-Cleaning Oven				
Use a Self-Cleaning Oven.....	62.9	11.1	7.4	3.7
Continuous.....	9.3	1.9	1.4	0.4
Manual Start.....	53.6	9.3	6.0	3.2
Do Not Use a Self-Cleaning Oven.....	46.7	9.2	7.5	1.7
Cooking Ranges				
Use a Cooking Range.....	109.8	20.4	15.0	5.4
1.....	105.5	19.1	13.8	5.2
2 or More.....	4.3	1.3	1.2	0.2
Do Not Use a Cooking Range.....	1.2	Q	Q	Q
Most-Used Cooking Range Fuel				
Electric.....	65.2	9.4	5.9	3.5
Natural Gas.....	39.0	9.8	8.2	1.6
Propane/LPG.....	5.6	1.3	1.0	0.3
Built-in/Stove-top Grills				
Use a Built-in/Stove-top Grill.....	4.9	1.8	1.6	0.2
Do Not Use a Built-in/Stove-top Grill.....	106.2	18.8	13.5	5.3
Built-in/Stove-top Grill Fuel				
Electric.....	2.5	0.3	Q	Q
Natural Gas.....	2.2	1.5	1.4	Q
Propane/LPG.....	Q	Q	N	Q
Refrigerators				
Use a Refrigerator.....	111.0	20.6	15.1	5.4
1.....	86.3	16.3	11.9	4.4
2 or More.....	24.6	4.3	3.2	1.1
Do Not Use a Refrigerator.....	Q	Q	N	Q
Most-Used Refrigerator Defrost Method				
Frost-Free.....	102.8	18.5	13.6	4.9
Manual.....	8.0	2.0	1.4	0.6
Type of Most-Used Refrigerator				
2-Doors (top and bottom).....	64.6	13.1	9.7	3.5
2-Doors (side-by-side).....	33.0	4.4	3.4	1.0
Full-Size (single door).....	12.1	2.8	1.9	0.9
Half-Size/Other.....	1.0	0.2	Q	Q

Table HC11.9 Home Appliances Characteristics by Northeast Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Age of Most-Used Refrigerator				
Less than 2 Years.....	19.0	3.1	2.1	1.0
2 to 4 Years.....	22.7	4.3	3.4	0.9
5 to 9 Years.....	30.9	5.3	4.0	1.3
10 to 19 Years.....	25.7	5.3	4.0	1.3
20 Years or More.....	6.1	1.3	1.0	0.3
Don't Know.....	6.7	1.3	0.6	0.6
Size of Most-Used Refrigerator				
Very Small (Less than 11 cf).....	0.7	Q	Q	Q
Small (11-14 cf).....	5.4	1.4	1.0	0.3
Medium (15-18 cf).....	53.8	11.4	8.2	3.1
Large (19-22 cf).....	42.7	6.5	4.7	1.8
Very Large (More than 22 cf).....	8.5	1.2	1.0	0.1
Through-the-Door Ice and Water Service				
Yes.....	29.8	3.6	2.8	0.8
No.....	81.1	17.0	12.4	4.6
Second Refrigerator				
Use a Second Refrigerator.....	24.6	4.3	3.2	1.1
Do Not Use a Second Refrigerator.....	86.3	16.3	11.9	4.4
Type of Second Refrigerator				
2-Doors (top and bottom).....	7.5	1.7	1.3	0.4
2-Doors (side-by-side).....	8.6	1.1	1.0	Q
Full-Size (single door).....	2.8	0.5	Q	0.2
Half-Size/Other.....	5.1	0.9	0.6	0.3
Age of Second Refrigerator				
Less than 2 Years.....	2.3	0.3	Q	Q
2 to 4 Years.....	3.8	0.6	0.6	Q
5 to 9 Years.....	5.3	1.1	0.8	0.3
10 to 19 Years.....	8.6	1.4	1.1	0.4
20 Years or More.....	4.1	0.8	0.5	0.2
Don't Know.....	0.5	Q	Q	Q
Size of Second Refrigerator				
Very Small (Less than 11 cf).....	3.4	0.7	0.5	0.2
Small (11-14 cf).....	3.6	0.7	0.5	0.2
Medium (15-18 cf).....	10.5	1.8	1.4	0.4
Large (19-22 cf).....	6.2	1.0	0.8	0.2
Very Large (More than 22 cf).....	1.0	Q	Q	N
Separate Freezers				
Do Not Use a Separate Freezer.....	76.0	16.2	11.9	4.3
Use a Separate Freezer.....	35.1	4.4	3.2	1.2
1.....	32.2	4.1	3.0	1.2
2 or More.....	2.9	0.2	Q	Q
Most-Used Freezer Defrost Method				
Frost-Free.....	14.3	1.5	1.2	0.4
Manual.....	20.8	2.8	2.0	0.9
Type of Most-Used Freezer				
Upright.....	17.0	2.3	1.7	0.6
Chest.....	18.1	2.1	1.5	0.6

Table HC11.9 Home Appliances Characteristics by Northeast Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Age of Most-Used Freezer				
Less than 2 Years.....	3.5	0.4	0.3	Q
2 to 4 Years.....	6.0	0.6	0.4	0.2
5 to 9 Years.....	7.8	0.9	0.7	0.2
10 to 19 Years.....	9.3	1.5	1.0	0.5
20 Years or More.....	7.6	0.9	0.8	0.2
Don't Know.....	0.7	Q	Q	Q
Size of Most-Used Freezer				
Very Small (Less than 11 cf).....	3.1	0.3	0.3	Q
Small (11-14 cf).....	8.9	1.4	1.0	0.4
Medium (15-18 cf).....	12.7	1.7	1.2	0.5
Large (19-22 cf).....	8.0	0.8	0.6	0.2
Very Large (More than 22 cf).....	2.5	Q	Q	Q
Other Kitchen Appliances				
Dishwasher				
Yes.....	64.7	10.3	7.2	3.1
No.....	46.4	10.3	7.9	2.4
Age of Dishwasher				
Less than 2 Years.....	11.5	1.8	1.2	0.6
2 to 4 Years.....	14.6	2.0	1.3	0.6
5 to 9 Years.....	19.2	2.9	2.2	0.7
10 to 19 Years.....	12.8	2.5	1.7	0.8
20 Years or More.....	3.3	0.8	0.6	0.2
Don't Know.....	3.3	0.3	Q	0.2
Electric Coffee Maker				
Yes.....	67.2	12.0	8.6	3.5
No.....	43.9	8.6	6.6	2.0
Electric Toaster Oven				
Yes.....	37.3	9.0	6.5	2.4
No.....	73.8	11.6	8.6	3.0
Microwave Oven				
Yes.....	97.7	17.6	13.4	4.3
No.....	13.4	3.0	1.8	1.2
Clothes Washers and Dryers				
Clothes Washer				
Do Not Use a Clothes Washer.....	19.3	5.2	3.9	1.3
Use a Clothes Washer.....	91.8	15.4	11.2	4.2
Top Loading.....	84.1	14.0	10.3	3.7
Front Loading.....	7.7	1.4	0.9	0.5
Age of Clothes Washer				
Less than 2 Years.....	15.7	2.8	2.0	0.7
2 to 4 Years.....	21.1	3.4	2.5	0.9
5 to 9 Years.....	28.9	4.6	3.5	1.1
10 to 19 Years.....	19.9	3.4	2.4	1.0
20 Years or More.....	4.1	0.9	0.6	0.3
Don't Know.....	2.2	0.3	Q	Q

Table HC11.9 Home Appliances Characteristics by Northeast Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Clothes Dryer				
Do Not Use a Clothes Dryer.....	23.6	6.8	5.3	1.6
Use a Clothes Dryer.....	87.5	13.7	9.8	3.9
Electric.....	67.2	9.2	5.9	3.3
Natural Gas.....	19.4	4.4	3.8	0.6
Propane/LPG.....	0.9	Q	Q	Q
Age of Clothier Dryer				
Less than 2 Years.....	14.0	2.1	1.5	0.6
2 to 4 Years.....	18.7	2.8	2.1	0.8
5 to 9 Years.....	27.9	4.1	3.2	1.0
10 to 19 Years.....	19.5	3.1	2.1	1.0
20 Years or More.....	5.1	1.2	0.8	0.4
Don't Know.....	2.3	0.3	Q	Q
Other Appliances				
Use Ceiling Fans.....	77.2	11.1	8.3	2.9
1.....	21.7	3.8	2.6	1.3
2.....	17.4	2.8	2.1	0.7
3.....	12.3	1.8	1.3	0.5
4 or More.....	25.8	2.8	2.3	0.5
Auto Block/Engine/Battery Heater.....	0.8	Q	Q	Q
Electric Dehumidifier.....	13.3	4.1	2.7	1.4
Electric Humidifier.....	14.2	3.0	2.0	1.1
Evaporative/Swamp Cooler.....	3.4	N	N	N
Filter Systems in Swimming Pools.....	8.3	1.6	1.2	0.4
Heated Aquarium.....	4.2	0.7	0.6	0.1
Outdoor Gas Light.....	1.3	Q	Q	Q
Rechargeable Tools/Appliances.....	54.9	8.4	5.8	2.6
Well Water Pumps.....	14.1	2.9	2.1	0.8

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.

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
Total U.S.	111.1	25.6	17.7	7.9
Cooking Appliances				
Conventional Ovens				
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
Most-Used Oven Fuel				
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
Self-Cleaning Oven				
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
Cooking Ranges				
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
Most-Used Cooking Range Fuel				
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
Built-in/Stove-top Grills				
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
Built-in/Stove-top Grill Fuel				
Electric.....	2.5	0.6	0.4	Q
Natural Gas.....	2.2	Q	Q	Q
Propane/LPG.....	Q	Q	Q	N
Refrigerators				
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
Most-Used Refrigerator Defrost Method				
Frost-Free.....	102.8	23.9	16.7	7.2
Manual.....	8.0	1.7	1.0	0.7
Type of Most-Used Refrigerator				
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

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
Age of Most-Used Refrigerator				
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
Size of Most-Used Refrigerator				
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
Through-the-Door Ice and Water Service				
Yes.....	29.8	5.9	4.1	1.9
No.....	81.1	19.7	13.7	6.0
Second Refrigerator				
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
Type of Second Refrigerator				
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
Age of Second Refrigerator				
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
Size of Second Refrigerator				
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
Separate Freezers				
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
Most-Used Freezer Defrost Method				
Frost-Free.....	14.3	3.7	2.3	1.4
Manual.....	20.8	6.5	4.2	2.3
Type of Most-Used Freezer				
Upright.....	17.0	4.7	3.0	1.7
Chest.....	18.1	5.5	3.5	2.0

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
Age of Most-Used Freezer				
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
Size of Most-Used Freezer				
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
Other Kitchen Appliances				
Dishwasher				
Yes.....	64.7	14.7	9.8	5.0
No.....	46.4	10.9	8.0	2.9
Age of Dishwasher				
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
Electric Coffee Maker				
Yes.....	67.2	16.2	10.8	5.3
No.....	43.9	9.4	6.9	2.5
Electric Toaster Oven				
Yes.....	37.3	6.5	4.6	1.9
No.....	73.8	19.1	13.2	6.0
Microwave Oven				
Yes.....	97.7	23.2	16.1	7.1
No.....	13.4	2.4	1.6	0.8
Clothes Washers and Dryers				
Clothes Washer				
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
Age of Clothes Washer				
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

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
Clothes Dryer				
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
Age of Clothier Dryer				
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
Other Appliances				
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.

Table HC13.9 Home Appliances Characteristics by South Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Total U.S.	111.1	40.7	21.7	6.9	12.1
Cooking Appliances					
Conventional Ovens					
Use an Oven.....	109.6	40.2	21.5	6.8	11.9
1.....	103.3	38.2	20.5	6.4	11.3
2 or More.....	6.2	2.1	1.0	0.4	0.7
Do Not Use an Oven.....	1.5	0.5	Q	Q	Q
Most-Used Oven Fuel					
Electric.....	67.9	30.1	17.3	5.6	7.1
Natural Gas.....	36.4	8.1	3.4	0.7	3.9
Propane/LPG.....	5.2	2.0	0.7	0.4	0.9
Self-Cleaning Oven					
Use a Self-Cleaning Oven.....	62.9	22.5	13.3	3.6	5.6
Continuous.....	9.3	3.0	1.9	0.4	0.8
Manual Start.....	53.6	19.5	11.4	3.3	4.8
Do Not Use a Self-Cleaning Oven.....	46.7	17.7	8.2	3.2	6.3
Cooking Ranges					
Use a Cooking Range.....	109.8	40.2	21.5	6.8	11.9
1.....	105.5	38.9	20.7	6.6	11.6
2 or More.....	4.3	1.4	0.8	0.2	0.3
Do Not Use a Cooking Range.....	1.2	0.5	Q	Q	Q
Most-Used Cooking Range Fuel					
Electric.....	65.2	29.0	17.0	5.5	6.5
Natural Gas.....	39.0	9.0	3.7	0.8	4.5
Propane/LPG.....	5.6	2.1	0.7	0.5	0.9
Built-in/Stove-top Grills					
Use a Built-in/Stove-top Grill.....	4.9	1.2	0.9	Q	Q
Do Not Use a Built-in/Stove-top Grill.....	106.2	39.5	20.8	6.7	11.9
Built-in/Stove-top Grill Fuel					
Electric.....	2.5	0.9	0.6	Q	Q
Natural Gas.....	2.2	Q	Q	N	Q
Propane/LPG.....	Q	Q	Q	N	N
Refrigerators					
Use a Refrigerator.....	111.0	40.6	21.7	6.9	12.1
1.....	86.3	32.7	16.9	5.7	10.1
2 or More.....	24.6	8.0	4.7	1.2	2.0
Do Not Use a Refrigerator.....	Q	Q	Q	N	Q
Most-Used Refrigerator Defrost Method					
Frost-Free.....	102.8	38.2	20.4	6.4	11.3
Manual.....	8.0	2.4	1.2	0.4	0.7
Type of Most-Used Refrigerator					
2-Doors (top and bottom).....	64.6	22.6	12.1	4.0	6.5
2-Doors (side-by-side).....	33.0	13.8	7.1	2.2	4.5
Full-Size (single door).....	12.1	4.1	2.3	0.7	1.1
Half-Size/Other.....	1.0	Q	Q	Q	Q

Table HC13.9 Home Appliances Characteristics by South Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Age of Most-Used Refrigerator					
Less than 2 Years.....	19.0	6.7	3.8	1.0	2.0
2 to 4 Years.....	22.7	8.9	4.4	1.5	3.0
5 to 9 Years.....	30.9	11.3	5.8	1.9	3.6
10 to 19 Years.....	25.7	9.0	5.0	1.9	2.0
20 Years or More.....	6.1	2.2	1.3	0.3	0.6
Don't Know.....	6.7	2.6	1.3	0.3	1.0
Size of Most-Used Refrigerator					
Very Small (Less than 11 cf).....	0.7	Q	Q	Q	Q
Small (11-14 cf).....	5.4	1.8	1.0	0.3	0.5
Medium (15-18 cf).....	53.8	19.4	10.3	3.3	5.7
Large (19-22 cf).....	42.7	16.3	8.8	2.6	4.9
Very Large (More than 22 cf).....	8.5	2.9	1.4	0.6	1.0
Through-the-Door Ice and Water Service					
Yes.....	29.8	12.7	6.6	2.0	4.1
No.....	81.1	27.9	15.1	4.8	8.0
Second Refrigerator					
Use a Second Refrigerator.....	24.6	8.0	4.7	1.2	2.0
Do Not Use a Second Refrigerator.....	86.3	32.7	16.9	5.7	10.1
Type of Second Refrigerator					
2-Doors (top and bottom).....	7.5	1.9	1.1	0.4	0.4
2-Doors (side-by-side).....	8.6	3.1	1.7	0.5	0.9
Full-Size (single door).....	2.8	1.0	0.6	Q	Q
Half-Size/Other.....	5.1	1.7	1.1	0.2	0.4
Age of Second Refrigerator					
Less than 2 Years.....	2.3	0.8	0.6	Q	Q
2 to 4 Years.....	3.8	1.4	0.8	Q	0.5
5 to 9 Years.....	5.3	1.6	1.0	Q	0.4
10 to 19 Years.....	8.6	2.9	1.7	0.6	0.6
20 Years or More.....	4.1	1.1	0.6	0.2	0.3
Don't Know.....	0.5	Q	Q	Q	Q
Size of Second Refrigerator					
Very Small (Less than 11 cf).....	3.4	1.0	0.5	Q	Q
Small (11-14 cf).....	3.6	1.2	0.9	Q	Q
Medium (15-18 cf).....	10.5	3.7	2.0	0.7	0.9
Large (19-22 cf).....	6.2	1.7	1.1	Q	0.4
Very Large (More than 22 cf).....	1.0	0.5	Q	Q	Q
Separate Freezers					
Do Not Use a Separate Freezer.....	76.0	27.1	14.9	4.0	8.2
Use a Separate Freezer.....	35.1	13.6	6.8	2.9	3.9
1.....	32.2	12.5	6.4	2.6	3.5
2 or More.....	2.9	1.0	0.4	0.3	0.4
Most-Used Freezer Defrost Method					
Frost-Free.....	14.3	6.2	3.1	1.2	2.0
Manual.....	20.8	7.4	3.7	1.7	1.9
Type of Most-Used Freezer					
Upright.....	17.0	5.6	3.2	0.9	1.5
Chest.....	18.1	8.0	3.6	2.0	2.4

Table HC13.9 Home Appliances Characteristics by South Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Age of Most-Used Freezer					
Less than 2 Years.....	3.5	1.5	0.9	Q	0.4
2 to 4 Years.....	6.0	2.6	1.2	0.6	0.9
5 to 9 Years.....	7.8	3.3	1.7	0.6	1.0
10 to 19 Years.....	9.3	3.7	1.9	0.9	0.9
20 Years or More.....	7.6	2.1	0.9	0.6	0.6
Don't Know.....	0.7	0.4	Q	Q	Q
Size of Most-Used Freezer					
Very Small (Less than 11 cf).....	3.1	0.9	Q	0.3	0.3
Small (11-14 cf).....	8.9	3.9	2.1	0.9	1.0
Medium (15-18 cf).....	12.7	4.9	2.5	0.9	1.5
Large (19-22 cf).....	8.0	3.2	1.8	0.7	0.8
Very Large (More than 22 cf).....	2.5	0.6	Q	Q	Q
Other Kitchen Appliances					
Dishwasher					
Yes.....	64.7	25.0	13.8	4.1	7.1
No.....	46.4	15.7	7.9	2.8	5.0
Age of Dishwasher					
Less than 2 Years.....	11.5	4.3	2.8	0.5	1.1
2 to 4 Years.....	14.6	6.1	3.1	0.8	2.2
5 to 9 Years.....	19.2	7.0	4.0	1.3	1.8
10 to 19 Years.....	12.8	4.7	2.6	1.0	1.1
20 Years or More.....	3.3	1.4	0.7	0.3	0.4
Don't Know.....	3.3	1.4	0.6	Q	0.5
Electric Coffee Maker					
Yes.....	67.2	25.2	13.2	4.5	7.5
No.....	43.9	15.5	8.5	2.4	4.6
Electric Toaster Oven					
Yes.....	37.3	13.7	8.2	2.0	3.5
No.....	73.8	27.0	13.5	4.8	8.7
Microwave Oven					
Yes.....	97.7	35.2	18.7	5.8	10.7
No.....	13.4	5.5	3.0	Q	1.5
Clothes Washers and Dryers					
Clothes Washer					
Do Not Use a Clothes Washer.....	19.3	5.9	3.3	0.7	1.9
Use a Clothes Washer.....	91.8	34.8	18.4	6.2	10.2
Top Loading.....	84.1	32.7	16.9	6.0	9.8
Front Loading.....	7.7	2.1	1.4	0.2	0.4
Age of Clothes Washer					
Less than 2 Years.....	15.7	5.7	3.2	0.8	1.6
2 to 4 Years.....	21.1	8.7	4.3	1.6	2.8
5 to 9 Years.....	28.9	11.6	6.0	1.9	3.7
10 to 19 Years.....	19.9	6.5	3.6	1.5	1.4
20 Years or More.....	4.1	1.4	0.6	0.2	0.5
Don't Know.....	2.2	1.0	0.7	Q	Q

Table HC13.9 Home Appliances Characteristics by South Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Clothes Dryer					
Do Not Use a Clothes Dryer.....	23.6	7.5	4.1	1.0	2.4
Use a Clothes Dryer.....	87.5	33.2	17.6	5.9	9.7
Electric.....	67.2	30.7	16.3	5.7	8.7
Natural Gas.....	19.4	2.3	1.1	Q	1.0
Propane/LPG.....	0.9	Q	Q	Q	Q
Age of Clothier Dryer					
Less than 2 Years.....	14.0	5.2	3.1	0.7	1.3
2 to 4 Years.....	18.7	7.8	3.9	1.5	2.4
5 to 9 Years.....	27.9	10.8	5.5	1.7	3.6
10 to 19 Years.....	19.5	7.0	3.7	1.6	1.7
20 Years or More.....	5.1	1.5	0.7	0.3	0.5
Don't Know.....	2.3	1.0	0.7	Q	Q
Other Appliances					
Use Ceiling Fans.....	77.2	32.3	16.7	5.5	10.2
1.....	21.7	7.1	4.0	1.1	1.9
2.....	17.4	6.8	3.8	1.1	2.0
3.....	12.3	5.3	2.7	1.0	1.6
4 or More.....	25.8	13.2	6.2	2.3	4.7
Auto Block/Engine/Battery Heater.....	0.8	N	N	N	N
Electric Dehumidifier.....	13.3	2.7	1.9	0.5	0.3
Electric Humidifier.....	14.2	3.2	1.9	0.7	0.6
Evaporative/Swamp Cooler.....	3.4	Q	N	N	Q
Filter Systems in Swimming Pools.....	8.3	3.1	1.9	0.3	0.8
Heated Aquarium.....	4.2	1.6	1.2	Q	0.4
Outdoor Gas Light.....	1.3	0.6	Q	Q	Q
Rechargeable Tools/Appliances.....	54.9	20.2	10.9	3.3	6.1
Well Water Pumps.....	14.1	5.7	3.5	1.2	1.0

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.

Table HC14.9 Home Appliances Characteristics by West Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Total U.S.	111.1	24.2	7.6	16.6
Cooking Appliances				
Conventional Ovens				
Use an Oven.....	109.6	23.7	7.5	16.2
1.....	103.3	22.4	6.8	15.6
2 or More.....	6.2	1.3	0.6	0.6
Do Not Use an Oven.....	1.5	0.5	Q	0.4
Most-Used Oven Fuel				
Electric.....	67.9	13.4	4.5	8.9
Natural Gas.....	36.4	9.2	2.2	7.1
Propane/LPG.....	5.2	1.0	0.7	0.3
Self-Cleaning Oven				
Use a Self-Cleaning Oven.....	62.9	13.1	4.6	8.5
Continuous.....	9.3	1.6	0.4	1.2
Manual Start.....	53.6	11.5	4.2	7.4
Do Not Use a Self-Cleaning Oven.....	46.7	10.5	2.8	7.7
Cooking Ranges				
Use a Cooking Range.....	109.8	23.7	7.5	16.2
1.....	105.5	23.0	7.0	16.0
2 or More.....	4.3	0.7	0.4	0.3
Do Not Use a Cooking Range.....	1.2	0.5	Q	0.4
Most-Used Cooking Range Fuel				
Electric.....	65.2	12.4	4.4	8.1
Natural Gas.....	39.0	10.2	2.4	7.8
Propane/LPG.....	5.6	1.1	0.7	0.4
Built-in/Stove-top Grills				
Use a Built-in/Stove-top Grill.....	4.9	1.1	Q	0.9
Do Not Use a Built-in/Stove-top Grill.....	106.2	23.1	7.3	15.7
Built-in/Stove-top Grill Fuel				
Electric.....	2.5	0.7	Q	0.5
Natural Gas.....	2.2	0.4	N	0.4
Propane/LPG.....	Q	Q	Q	Q
Refrigerators				
Use a Refrigerator.....	111.0	24.2	7.6	16.6
1.....	86.3	18.9	6.0	12.9
2 or More.....	24.6	5.3	1.5	3.8
Do Not Use a Refrigerator.....	Q	N	N	N
Most-Used Refrigerator Defrost Method				
Frost-Free.....	102.8	22.2	6.9	15.3
Manual.....	8.0	1.9	0.7	1.3
Type of Most-Used Refrigerator				
2-Doors (top and bottom).....	64.6	12.7	3.7	9.0
2-Doors (side-by-side).....	33.0	8.1	2.7	5.4
Full-Size (single door).....	12.1	2.9	1.0	1.9
Half-Size/Other.....	1.0	0.5	Q	0.3

Table HC14.9 Home Appliances Characteristics by West Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Age of Most-Used Refrigerator				
Less than 2 Years.....	19.0	5.2	1.4	3.8
2 to 4 Years.....	22.7	5.0	1.7	3.2
5 to 9 Years.....	30.9	6.9	2.1	4.9
10 to 19 Years.....	25.7	4.7	1.4	3.3
20 Years or More.....	6.1	1.1	0.5	0.6
Don't Know.....	6.7	1.3	0.4	0.8
Size of Most-Used Refrigerator				
Very Small (Less than 11 cf).....	0.7	0.3	Q	Q
Small (11-14 cf).....	5.4	1.0	0.3	0.7
Medium (15-18 cf).....	53.8	10.8	3.4	7.4
Large (19-22 cf).....	42.7	9.8	3.2	6.6
Very Large (More than 22 cf).....	8.5	2.4	0.6	1.7
Through-the-Door Ice and Water Service				
Yes.....	29.8	7.6	2.6	5.0
No.....	81.1	16.6	4.9	11.6
Second Refrigerator				
Use a Second Refrigerator.....	24.6	5.3	1.5	3.8
Do Not Use a Second Refrigerator.....	86.3	18.9	6.0	12.9
Type of Second Refrigerator				
2-Doors (top and bottom).....	7.5	1.3	0.4	0.9
2-Doors (side-by-side).....	8.6	2.2	0.7	1.5
Full-Size (single door).....	2.8	0.7	0.2	0.5
Half-Size/Other.....	5.1	1.1	0.3	0.8
Age of Second Refrigerator				
Less than 2 Years.....	2.3	0.5	Q	0.4
2 to 4 Years.....	3.8	0.9	Q	0.7
5 to 9 Years.....	5.3	1.2	0.3	0.9
10 to 19 Years.....	8.6	1.8	0.6	1.1
20 Years or More.....	4.1	0.9	0.2	0.6
Don't Know.....	0.5	Q	Q	Q
Size of Second Refrigerator				
Very Small (Less than 11 cf).....	3.4	0.8	Q	0.6
Small (11-14 cf).....	3.6	0.6	Q	0.4
Medium (15-18 cf).....	10.5	2.0	0.7	1.3
Large (19-22 cf).....	6.2	1.5	0.4	1.2
Very Large (More than 22 cf).....	1.0	0.3	Q	Q
Separate Freezers				
Do Not Use a Separate Freezer.....	76.0	17.2	4.6	12.6
Use a Separate Freezer.....	35.1	7.0	2.9	4.0
1.....	32.2	6.4	2.7	3.7
2 or More.....	2.9	0.6	0.2	0.4
Most-Used Freezer Defrost Method				
Frost-Free.....	14.3	2.8	1.1	1.7
Manual.....	20.8	4.1	1.8	2.3
Type of Most-Used Freezer				
Upright.....	17.0	4.5	1.8	2.7
Chest.....	18.1	2.5	1.1	1.4

Table HC14.9 Home Appliances Characteristics by West Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Age of Most-Used Freezer				
Less than 2 Years.....	3.5	0.7	0.3	0.4
2 to 4 Years.....	6.0	1.3	0.5	0.8
5 to 9 Years.....	7.8	1.2	0.6	0.6
10 to 19 Years.....	9.3	1.7	0.5	1.2
20 Years or More.....	7.6	1.8	0.8	1.0
Don't Know.....	0.7	Q	Q	Q
Size of Most-Used Freezer				
Very Small (Less than 11 cf).....	3.1	0.7	0.3	0.4
Small (11-14 cf).....	8.9	1.6	0.6	1.0
Medium (15-18 cf).....	12.7	2.4	1.0	1.4
Large (19-22 cf).....	8.0	1.7	0.8	0.9
Very Large (More than 22 cf).....	2.5	0.6	Q	0.4
Other Kitchen Appliances				
Dishwasher				
Yes.....	64.7	14.7	5.0	9.7
No.....	46.4	9.5	2.6	6.9
Age of Dishwasher				
Less than 2 Years.....	11.5	2.8	0.9	2.0
2 to 4 Years.....	14.6	3.2	1.3	2.0
5 to 9 Years.....	19.2	4.5	1.6	2.9
10 to 19 Years.....	12.8	2.8	1.0	1.9
20 Years or More.....	3.3	0.5	Q	0.4
Don't Know.....	3.3	0.8	Q	0.6
Electric Coffee Maker				
Yes.....	67.2	13.7	4.6	9.1
No.....	43.9	10.5	3.0	7.5
Electric Toaster Oven				
Yes.....	37.3	8.1	2.4	5.7
No.....	73.8	16.1	5.1	11.0
Microwave Oven				
Yes.....	97.7	21.7	7.2	14.4
No.....	13.4	2.5	0.3	2.2
Clothes Washers and Dryers				
Clothes Washer				
Do Not Use a Clothes Washer.....	19.3	4.6	0.9	3.7
Use a Clothes Washer.....	91.8	19.6	6.6	12.9
Top Loading.....	84.1	17.2	5.9	11.3
Front Loading.....	7.7	2.4	0.7	1.7
Age of Clothes Washer				
Less than 2 Years.....	15.7	4.1	1.3	2.8
2 to 4 Years.....	21.1	4.9	1.7	3.2
5 to 9 Years.....	28.9	5.7	1.9	3.8
10 to 19 Years.....	19.9	3.6	1.3	2.4
20 Years or More.....	4.1	0.7	0.2	0.5
Don't Know.....	2.2	0.5	Q	0.3

Table HC14.9 Home Appliances Characteristics by West Census Region, 2005
Million U.S. Housing Units

Home Appliances Characteristics	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Clothes Dryer				
Do Not Use a Clothes Dryer.....	23.6	5.4	1.3	4.1
Use a Clothes Dryer.....	87.5	18.8	6.2	12.6
Electric.....	67.2	12.5	5.0	7.5
Natural Gas.....	19.4	6.2	1.2	5.0
Propane/LPG.....	0.9	Q	Q	Q
Age of Clothier Dryer				
Less than 2 Years.....	14.0	3.5	1.1	2.4
2 to 4 Years.....	18.7	4.3	1.5	2.7
5 to 9 Years.....	27.9	5.9	2.0	4.0
10 to 19 Years.....	19.5	3.7	1.1	2.6
20 Years or More.....	5.1	0.9	0.3	0.6
Don't Know.....	2.3	0.5	0.3	Q
Other Appliances				
Use Ceiling Fans.....	77.2	14.5	5.4	9.1
1.....	21.7	5.5	1.7	3.8
2.....	17.4	3.3	1.3	2.0
3.....	12.3	1.8	0.7	1.1
4 or More.....	25.8	3.8	1.6	2.2
Auto Block/Engine/Battery Heater.....	0.8	0.2	Q	0.1
Electric Dehumidifier.....	13.3	0.3	Q	0.3
Electric Humidifier.....	14.2	1.9	1.1	0.8
Evaporative/Swamp Cooler.....	3.4	3.3	2.1	1.1
Filter Systems in Swimming Pools.....	8.3	2.2	0.7	1.5
Heated Aquarium.....	4.2	0.8	0.3	0.5
Outdoor Gas Light.....	1.3	Q	Q	Q
Rechargeable Tools/Appliances.....	54.9	12.6	4.2	8.4
Well Water Pumps.....	14.1	1.8	0.8	1.0

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.

Table HC15.9 Home Appliances Characteristics by Four Most Populated States, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Total U.S.	111.1	7.1	7.0	8.0	12.1
Cooking Appliances					
Conventional Ovens					
Use an Oven.....	109.6	7.1	6.9	7.8	11.7
1.....	103.3	6.5	6.6	7.4	11.2
2 or More.....	6.2	0.6	Q	0.4	0.5
Do Not Use an Oven.....	1.5	Q	Q	Q	0.4
Most-Used Oven Fuel					
Electric.....	67.9	2.3	6.5	4.9	4.9
Natural Gas.....	36.4	4.2	Q	2.6	6.6
Propane/LPG.....	5.2	0.6	Q	0.4	Q
Self-Cleaning Oven					
Use a Self-Cleaning Oven.....	62.9	3.3	5.0	3.7	5.8
Continuous.....	9.3	0.4	0.5	0.5	0.9
Manual Start.....	53.6	2.9	4.4	3.2	4.9
Do Not Use a Self-Cleaning Oven.....	46.7	3.8	2.0	4.1	5.9
Cooking Ranges					
Use a Cooking Range.....	109.8	7.1	7.0	7.7	11.7
1.....	105.5	6.5	6.8	7.6	11.6
2 or More.....	4.3	0.6	Q	Q	Q
Do Not Use a Cooking Range.....	1.2	N	Q	Q	0.4
Most-Used Cooking Range Fuel					
Electric.....	65.2	2.2	6.5	4.3	4.2
Natural Gas.....	39.0	4.2	0.4	3.0	7.2
Propane/LPG.....	5.6	0.7	Q	0.4	Q
Built-in/Stove-top Grills					
Use a Built-in/Stove-top Grill.....	4.9	0.6	Q	Q	0.6
Do Not Use a Built-in/Stove-top Grill.....	106.2	6.5	6.8	7.8	11.5
Built-in/Stove-top Grill Fuel					
Electric.....	2.5	Q	Q	Q	0.3
Natural Gas.....	2.2	0.6	N	Q	0.3
Propane/LPG.....	Q	N	Q	N	N
Refrigerators					
Use a Refrigerator.....	111.0	7.1	7.0	7.9	12.1
1.....	86.3	5.9	5.9	6.4	9.6
2 or More.....	24.6	1.2	1.2	1.5	2.5
Do Not Use a Refrigerator.....	Q	N	N	Q	N
Most-Used Refrigerator Defrost Method					
Frost-Free.....	102.8	6.5	6.7	7.3	11.4
Manual.....	8.0	0.6	Q	0.6	0.7
Type of Most-Used Refrigerator					
2-Doors (top and bottom).....	64.6	4.7	3.5	4.2	6.3
2-Doors (side-by-side).....	33.0	1.3	2.6	3.0	4.0
Full-Size (single door).....	12.1	1.0	1.0	0.7	1.5
Half-Size/Other.....	1.0	Q	N	Q	0.3

Table HC15.9 Home Appliances Characteristics by Four Most Populated States, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Age of Most-Used Refrigerator					
Less than 2 Years.....	19.0	0.9	1.2	1.3	2.9
2 to 4 Years.....	22.7	1.8	1.6	2.1	2.5
5 to 9 Years.....	30.9	2.0	1.9	2.1	3.5
10 to 19 Years.....	25.7	1.5	1.3	1.4	2.5
20 Years or More.....	6.1	0.4	0.6	0.4	0.3
Don't Know.....	6.7	0.5	0.5	0.7	0.4
Size of Most-Used Refrigerator					
Very Small (Less than 11 cf).....	0.7	Q	N	Q	Q
Small (11-14 cf).....	5.4	0.5	Q	Q	0.5
Medium (15-18 cf).....	53.8	3.8	3.8	3.9	5.3
Large (19-22 cf).....	42.7	2.2	2.3	3.1	5.0
Very Large (More than 22 cf).....	8.5	0.4	0.8	0.7	1.1
Through-the-Door Ice and Water Service					
Yes.....	29.8	1.0	2.4	2.7	3.7
No.....	81.1	6.1	4.7	5.3	8.4
Second Refrigerator					
Use a Second Refrigerator.....	24.6	1.2	1.2	1.5	2.5
Do Not Use a Second Refrigerator.....	86.3	5.9	5.9	6.4	9.6
Type of Second Refrigerator					
2-Doors (top and bottom).....	7.5	0.4	Q	0.3	0.5
2-Doors (side-by-side).....	8.6	0.4	0.4	0.6	1.0
Full-Size (single door).....	2.8	Q	Q	Q	0.4
Half-Size/Other.....	5.1	Q	0.4	0.3	0.6
Age of Second Refrigerator					
Less than 2 Years.....	2.3	Q	Q	Q	0.4
2 to 4 Years.....	3.8	0.3	Q	0.4	0.5
5 to 9 Years.....	5.3	Q	0.4	0.4	0.6
10 to 19 Years.....	8.6	0.3	Q	0.4	0.7
20 Years or More.....	4.1	Q	Q	Q	0.3
Don't Know.....	0.5	N	N	Q	Q
Size of Second Refrigerator					
Very Small (Less than 11 cf).....	3.4	Q	Q	Q	0.4
Small (11-14 cf).....	3.6	Q	Q	Q	Q
Medium (15-18 cf).....	10.5	0.5	0.6	0.7	0.8
Large (19-22 cf).....	6.2	0.3	Q	0.3	0.9
Very Large (More than 22 cf).....	1.0	N	Q	Q	Q
Separate Freezers					
Do Not Use a Separate Freezer.....	76.0	6.1	5.8	5.8	10.0
Use a Separate Freezer.....	35.1	1.0	1.2	2.2	2.1
1.....	32.2	1.0	1.2	2.0	2.0
2 or More.....	2.9	Q	Q	Q	Q
Most-Used Freezer Defrost Method					
Frost-Free.....	14.3	0.6	0.5	1.0	0.9
Manual.....	20.8	0.4	0.7	1.2	1.1
Type of Most-Used Freezer					
Upright.....	17.0	0.6	0.5	0.9	1.3
Chest.....	18.1	0.4	0.7	1.2	0.7

Table HC15.9 Home Appliances Characteristics by Four Most Populated States, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Age of Most-Used Freezer					
Less than 2 Years.....	3.5	Q	Q	0.3	Q
2 to 4 Years.....	6.0	Q	0.4	0.4	0.5
5 to 9 Years.....	7.8	0.2	Q	0.6	0.3
10 to 19 Years.....	9.3	0.3	Q	0.5	0.6
20 Years or More.....	7.6	Q	Q	Q	0.4
Don't Know.....	0.7	N	N	Q	Q
Size of Most-Used Freezer					
Very Small (Less than 11 cf).....	3.1	Q	N	Q	Q
Small (11-14 cf).....	8.9	0.2	0.6	0.5	0.7
Medium (15-18 cf).....	12.7	0.4	0.4	0.9	0.7
Large (19-22 cf).....	8.0	Q	Q	0.5	0.3
Very Large (More than 22 cf).....	2.5	Q	N	Q	Q
Other Kitchen Appliances					
Dishwasher					
Yes.....	64.7	2.6	4.7	5.0	6.7
No.....	46.4	4.5	2.4	3.0	5.4
Age of Dishwasher					
Less than 2 Years.....	11.5	0.5	1.0	0.7	1.3
2 to 4 Years.....	14.6	0.5	1.3	1.5	1.4
5 to 9 Years.....	19.2	0.6	1.1	1.1	1.8
10 to 19 Years.....	12.8	0.6	0.8	0.8	1.4
20 Years or More.....	3.3	0.3	Q	0.4	0.3
Don't Know.....	3.3	Q	Q	0.4	0.4
Electric Coffee Maker					
Yes.....	67.2	3.4	4.4	4.9	6.3
No.....	43.9	3.7	2.7	3.1	5.8
Electric Toaster Oven					
Yes.....	37.3	2.7	3.1	2.2	4.4
No.....	73.8	4.4	3.9	5.7	7.7
Microwave Oven					
Yes.....	97.7	5.8	6.0	6.8	10.3
No.....	13.4	1.3	1.1	1.1	1.8
Clothes Washers and Dryers					
Clothes Washer					
Do Not Use a Clothes Washer.....	19.3	2.7	1.2	1.4	2.9
Use a Clothes Washer.....	91.8	4.4	5.8	6.6	9.2
Top Loading.....	84.1	4.0	5.2	6.3	8.1
Front Loading.....	7.7	Q	0.6	Q	1.1
Age of Clothes Washer					
Less than 2 Years.....	15.7	0.8	1.0	0.9	1.8
2 to 4 Years.....	21.1	1.2	1.6	1.8	2.4
5 to 9 Years.....	28.9	1.1	2.0	2.4	2.6
10 to 19 Years.....	19.9	0.9	0.9	1.0	1.7
20 Years or More.....	4.1	0.3	Q	0.3	0.4
Don't Know.....	2.2	Q	Q	Q	Q

Table HC15.9 Home Appliances Characteristics by Four Most Populated States, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Clothes Dryer					
Do Not Use a Clothes Dryer.....	23.6	3.5	1.5	1.9	3.2
Use a Clothes Dryer.....	87.5	3.6	5.6	6.1	8.9
Electric.....	67.2	2.1	5.3	5.3	4.2
Natural Gas.....	19.4	1.4	Q	0.8	4.7
Propane/LPG.....	0.9	Q	Q	N	Q
Age of Clothier Dryer					
Less than 2 Years.....	14.0	0.5	1.0	0.8	1.6
2 to 4 Years.....	18.7	0.9	1.4	1.5	2.1
5 to 9 Years.....	27.9	1.0	1.9	2.3	2.8
10 to 19 Years.....	19.5	0.7	0.8	1.1	1.9
20 Years or More.....	5.1	0.3	Q	Q	0.3
Don't Know.....	2.3	Q	Q	Q	Q
Other Appliances					
Use Ceiling Fans.....	77.2	3.1	5.4	6.7	7.0
1.....	21.7	1.2	0.9	1.2	2.7
2.....	17.4	0.8	0.7	1.2	1.5
3.....	12.3	0.4	1.2	1.0	0.9
4 or More.....	25.8	0.7	2.7	3.2	1.9
Auto Block/Engine/Battery Heater.....	0.8	Q	N	N	N
Electric Dehumidifier.....	13.3	1.1	Q	Q	Q
Electric Humidifier.....	14.2	0.7	Q	0.4	0.6
Evaporative/Swamp Cooler.....	3.4	N	N	Q	0.9
Filter Systems in Swimming Pools.....	8.3	Q	1.2	0.6	1.4
Heated Aquarium.....	4.2	0.4	Q	Q	Q
Outdoor Gas Light.....	1.3	Q	Q	Q	Q
Rechargeable Tools/Appliances.....	54.9	2.1	3.6	3.7	5.9
Well Water Pumps.....	14.1	0.9	1.1	0.5	Q

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.

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