

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 Clothes 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.