

Table 1. Household Characteristics by Ceiling Fans, 2001
PRELIMINARY DATA

Housing Unit and Household Characteristics	Total Households (million)	Households With Fans (million)	Percent of Households With Fans	Number of Ceiling Fans (million)	Average Number of Fans		RSE Row Factors
					Per Households With Fans	Per Total Households	
RSE Column Factor:	1.0	1.2	0.7	1.5	0.7	1.1	
Total	107.0	69.6	65.1	192.8	2.8	1.8	1.7
Attached Garage							
Yes	37.1	28.8	77.4	91.3	3.2	2.5	3.0
No	69.8	40.9	58.5	101.5	2.5	1.5	2.3
Basement							
Yes	37.9	27.1	71.7	74.8	2.8	2.0	2.7
No	69.1	42.5	61.5	118.0	2.8	1.7	2.5
Usable Attic (Heated or Finished)							
Yes	5.7	4.5	77.7	14.9	3.4	2.6	6.9
No	101.3	65.2	64.4	177.9	2.7	1.8	1.9
Census Region and Division							
Northeast	20.3	9.8	48.4	21.7	2.2	1.1	3.3
New England	5.4	2.4	45.2	5.1	2.1	0.9	5.3
Middle Atlantic	14.8	7.4	49.6	16.5	2.2	1.1	3.9
Midwest	24.5	18.0	73.6	46.2	2.6	1.9	3.0
East North Central	17.1	12.3	71.9	31.6	2.6	1.8	3.9
West North Central	7.4	5.8	77.8	14.6	2.5	2.0	4.1
South	38.9	30.0	77.0	100.1	3.3	2.6	2.6
South Atlantic	20.3	14.9	73.3	48.7	3.3	2.4	4.3
East South Central	6.8	5.4	78.7	17.0	3.2	2.5	2.1
West South Central	11.8	9.7	82.2	34.4	3.5	2.9	4.0
West	23.3	11.8	50.7	24.8	2.1	1.1	5.3
Mountain	6.7	4.4	65.2	10.3	2.3	1.5	8.4
Pacific	16.6	7.4	44.8	14.5	2.0	0.9	6.7
Four Most Populated States							
California	12.3	5.6	45.2	11.7	2.1	0.9	8.1
Florida	6.3	5.4	84.8	20.3	3.8	3.2	6.4
New York	7.1	3.3	46.7	6.6	2.0	0.9	5.2
Texas	7.7	6.4	83.0	22.6	3.6	2.9	5.1
2001 Household Income Category							
Less than \$9,999	11.0	4.8	43.6	10.1	2.1	0.9	7.0
\$10,000 to \$14,999	7.7	4.3	55.9	9.7	2.3	1.3	7.2
\$15,000 to \$19,999	8.9	5.0	56.6	11.3	2.2	1.3	6.6
\$20,000 to \$29,999	14.0	8.6	61.3	21.6	2.5	1.5	4.9
\$30,000 to \$39,999	13.9	9.1	65.5	22.6	2.5	1.6	4.7
\$40,000 to \$49,999	13.2	9.5	72.2	26.7	2.8	2.0	4.4
\$50,000 to \$74,999	21.7	16.0	73.8	49.3	3.1	2.3	3.3
\$75,000 or More	16.6	12.3	74.0	41.5	3.4	2.5	4.3
Age of Householder							
Under 25 Years	6.1	3.1	50.7	6.3	2.0	1.0	7.6
25 to 34 Years	16.8	10.3	61.4	25.6	2.5	1.5	4.7
35 to 44 Years	22.3	15.0	67.2	45.8	3.1	2.1	3.4
45 to 59 Years	28.6	20.4	71.4	60.6	3.0	2.1	3.0
60 Years and Over	30.5	19.4	63.5	51.2	2.6	1.7	3.7
Metropolitan Statistical Area							
Urban	85.5	54.4	63.7	150.0	2.8	1.8	2.1
Central City	40.0	23.7	59.3	62.9	2.7	1.6	5.0
Suburban	45.5	30.7	67.5	87.1	2.8	1.9	3.3
Rural	21.5	15.2	70.7	42.8	2.8	2.0	3.9

See footnotes at end of table.

Table 1. Household Characteristics by Ceiling Fans, 2001
PRELIMINARY DATA (Continued)

Housing Unit and Household Characteristics	Total Households (million)	Households With Fans (million)	Percent of Households With Fans	Number of Ceiling Fans (million)	Average Number of Fans		RSE Row Factors
					Per Households With Fans	Per Total Households	
RSE Column Factor:	1.0	1.2	0.7	1.5	0.7	1.1	
Climate Zone¹							
Fewer than 2,000 CDD and--							
More than 7,000 HDD	9.4	5.9	62.8	12.4	2.1	1.3	9.6
5,500 to 7,000 HDD	29.2	18.4	62.9	43.6	2.4	1.5	5.0
4,000 to 5,499 HDD	23.7	14.1	59.5	37.1	2.6	1.6	6.1
Fewer than 4,000 HDD	20.6	12.1	58.9	34.7	2.9	1.7	8.3
2,000 CDD or More and --							
Fewer than 4,000 HDD	24.0	19.1	79.5	65.0	3.4	2.7	4.8
Type and Ownership of Housing Unit							
Single-Family Detached	63.1	48.8	77.4	151.8	3.1	2.4	2.0
Owned	55.7	44.0	79.0	140.8	3.2	2.5	2.1
Rented	7.4	4.8	65.0	11.0	2.3	1.5	6.1
Single-Family Attached	10.6	6.3	59.7	15.9	2.5	1.5	8.0
Owned	7.5	5.0	66.9	13.4	2.7	1.8	9.6
Rented	3.1	1.3	42.2	2.4	1.9	0.8	13.1
Multifamily (2 to 4 units)	9.5	4.5	47.1	8.8	2.0	0.9	7.1
Owned	2.1	1.3	62.2	2.7	2.1	1.3	12.9
Rented	7.4	3.2	42.9	6.0	1.9	0.8	8.7
Multifamily (5 or more units)	17.0	6.1	35.7	9.0	1.5	0.5	9.1
Owned	1.8	1.2	65.8	2.1	1.8	1.2	20.3
Rented	15.2	4.9	32.2	6.9	1.4	0.5	9.1
Mobile Home	6.8	4.0	58.2	7.4	1.9	1.1	8.2
Owned	5.7	3.5	61.7	6.7	1.9	1.2	8.5
Rented	1.1	0.5	40.9	0.7	1.5	0.6	24.8
Ownership of Unit							
Owned	72.7	55.0	75.6	165.7	3.0	2.3	1.9
Rented	34.3	14.7	42.8	27.1	1.8	0.8	4.2
Year of Construction							
1939 or Before	19.0	11.2	59.1	27.5	2.5	1.5	4.5
1940 to 1949	7.6	4.7	61.0	11.9	2.5	1.6	6.3
1950 to 1959	14.2	8.9	62.7	24.0	2.7	1.7	4.4
1960 to 1969	13.8	8.5	61.9	22.8	2.7	1.7	5.5
1970 to 1979	18.8	11.2	59.9	31.1	2.8	1.7	4.7
1980 to 1989	18.2	13.1	72.1	37.5	2.9	2.1	5.0
1990 to 1999	14.5	11.2	76.9	35.4	3.2	2.4	6.0
2000 to 2001 ²	0.9	0.8	86.9	2.6	3.3	2.8	13.5
Urban/Rural Location³							
City	49.9	29.3	58.7	78.2	2.7	1.6	3.4
Town	18.0	11.5	63.6	30.6	2.7	1.7	5.3
Suburbs	21.2	15.4	72.4	46.0	3.0	2.2	4.5
Rural or Open Country	17.9	13.5	75.6	37.9	2.8	2.1	4.4
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	2.6	0.4	17.0	0.6	1.4	0.2	21.4
3	9.2	2.7	29.3	3.7	1.4	0.4	9.8
4	19.0	9.9	52.0	17.8	1.8	0.9	4.5
5	22.2	15.3	69.2	39.5	2.6	1.8	3.7
6	23.0	17.0	74.1	49.0	2.9	2.1	3.2
7	14.0	11.1	78.8	33.5	3.0	2.4	3.8
8	9.8	8.0	81.1	29.3	3.7	3.0	4.8
9 or More	7.2	5.2	72.6	19.4	3.7	2.7	6.6
Bedrooms							
None or 1	13.6	4.5	32.8	6.8	1.5	0.5	8.0
2	29.5	17.4	59.2	38.1	2.2	1.3	3.6
3	44.1	32.7	74.2	93.9	2.9	2.1	2.7
4 or More	19.8	15.0	75.6	54.0	3.6	2.7	3.5

See footnotes at end of table.

Table 1. Household Characteristics by Ceiling Fans, 2001
PRELIMINARY DATA (Continued)

Housing Unit and Household Characteristics	Total Households (million)	Households With Fans (million)	Percent of Households With Fans	Number of Ceiling Fans (million)	Average Number of Fans		RSE Row Factors
					Per Households With Fans	Per Total Households	
RSE Column Factor:	1.0	1.2	0.7	1.5	0.7	1.1	
Other Rooms (Excluding Bathrooms)							
None or 1	4.2	1.3	30.4	2.6	2.0	0.6	13.0
2	39.4	20.8	52.9	46.0	2.2	1.2	3.7
3	35.0	25.3	72.3	69.8	2.8	2.0	2.9
4	18.4	14.6	79.7	47.6	3.3	2.6	3.6
5 or More	10.0	7.5	75.5	26.9	3.6	2.7	5.4
Full Bathrooms							
None or 1	58.5	32.8	56.0	73.9	2.3	1.3	2.5
2	41.2	31.2	75.8	97.1	3.1	2.4	3.0
3 or More	7.3	5.6	77.3	21.8	3.9	3.0	6.3
Half Bathrooms							
None	76.6	47.8	62.4	127.4	2.7	1.7	2.0
1	27.9	20.2	72.4	60.5	3.0	2.2	3.3
2 or More	2.5	1.6	64.0	4.9	3.1	2.0	NF
Number of Stories							
Single-Family Homes	73.7	55.1	74.8	167.6	3.0	2.3	1.8
1 Story	44.2	34.5	77.9	106.7	3.1	2.4	2.4
2 Stories	26.4	18.5	70.0	55.0	3.0	2.1	3.5
3 or More Stories	1.6	1.1	67.1	2.9	2.6	1.8	13.2
Split-Level	1.3	1.0	74.8	2.8	2.8	2.1	14.3
Other	Q	Q	Q	Q	Q	Q	NF
Apartment Buildings (2 to 4 units)	9.5	4.5	47.1	8.8	2.0	0.9	7.1
1 Story	4.5	2.0	43.6	3.5	1.8	0.8	10.6
2 Stories	3.9	2.1	54.4	4.5	2.1	1.1	8.6
3 or More Stories	1.1	0.4	35.2	0.8	2.1	0.7	28.2
Split-Level	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	4.0	58.2	7.4	1.9	1.1	8.2
Number of Floors							
Apartment Buildings (5 or more units)	17.0	6.1	35.7	9.0	1.5	0.5	9.1
1 or 2 Floors	8.9	3.8	42.9	5.6	1.5	0.6	11.1
3 or 4 Floors	4.7	1.7	36.1	2.5	1.5	0.5	16.0
5 to 10 Floors	2.4	0.4	17.9	0.8	1.8	0.3	22.7
11 to 20 Floors	0.9	Q	Q	Q	Q	Q	22.4
More than 20 Floors	Q	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single and 2 to 4 Unit Multifamily Homes (More than one may apply)							
Basement	39.1	27.6	70.6	75.8	2.7	1.9	2.6
Crawlspace	24.2	17.9	73.9	51.3	2.9	2.1	3.8
Concrete Slab	29.5	21.9	74.3	74.2	3.4	2.5	3.5
Not Asked (Mobile and 5 or More Unit Multifamily Homes)	23.8	10.0	42.1	16.4	1.6	0.7	6.0
Usable Attic in Single and 2 to 4 Unit Multifamily Homes							
Yes	24.6	18.9	76.8	61.7	3.3	2.5	3.6
Finished	3.5	2.6	75.0	7.8	3.0	2.2	9.7
Unfinished	21.1	16.2	77.1	53.9	3.3	2.6	3.8
No Usable Attic	58.6	40.7	69.5	114.7	2.8	2.0	2.4
Not Asked (Mobile and 5 or More Unit Multifamily Homes)	23.8	10.0	42.1	16.4	1.6	0.7	6.0

See footnotes at end of table.

Table 1. Household Characteristics by Ceiling Fans, 2001
PRELIMINARY DATA (Continued)

Housing Unit and Household Characteristics	Total Households (million)	Households With Fans (million)	Percent of Households With Fans	Number of Ceiling Fans (million)	Average Number of Fans		RSE Row Factors
					Per Households With Fans	Per Total Households	
RSE Column Factor:	1.0	1.2	0.7	1.5	0.7	1.1	
Garage/Carport							
(single family and mobile homes)							
Yes	58.4	44.6	76.4	137.9	3.1	2.4	2.1
Attached	37.1	28.8	77.4	91.3	3.2	2.5	3.0
1-Car Garage	10.8	7.6	70.9	20.6	2.7	1.9	6.1
2-Car Garage	24.1	19.4	80.5	64.4	3.3	2.7	3.6
3 or more Car Garage	2.3	1.8	76.0	6.3	3.6	2.7	11.0
Detached	17.0	12.6	74.0	36.6	2.9	2.2	4.3
1-Car Garage	6.9	4.8	69.7	12.5	2.6	1.8	6.2
2-Car Garage	8.7	6.6	75.3	20.0	3.0	2.3	5.4
3 or more Car Garage	1.4	1.2	87.0	4.1	3.4	3.0	11.4
Carport (only)	4.2	3.2	77.2	10.0	3.1	2.4	8.5
No	22.1	14.5	65.5	37.1	2.6	1.7	3.9
Not Asked (Apartments)	26.5	10.5	39.8	17.8	1.7	0.7	5.6
Fuels Used For Any Use							
(more than one often used)							
Electricity	107.0	69.6	65.1	192.8	2.8	1.8	1.7
Natural Gas	66.7	43.2	64.8	119.8	2.8	1.8	2.4
Wood	14.5	11.2	77.5	34.2	3.0	2.4	4.1
Fuel Oil	8.7	4.8	54.5	11.0	2.3	1.3	7.7
LPG	9.3	7.0	74.6	19.8	2.8	2.1	6.5
Kerosene	2.8	1.8	64.4	5.3	2.9	1.9	9.2
Solar	1.1	0.8	67.0	2.3	3.0	2.0	17.1
Main Heating Fuel							
Natural Gas	58.7	38.5	65.6	105.9	2.8	1.8	2.6
Electricity	31.8	21.1	66.3	62.2	2.9	2.0	4.2
Fuel Oil	8.1	4.3	53.0	9.9	2.3	1.2	8.0
LPG	5.0	3.8	75.6	10.0	2.7	2.0	8.3
Wood	2.0	1.5	73.5	3.7	2.5	1.8	11.1
Kerosene	0.7	0.3	47.0	0.8	2.3	1.1	23.9
Solar	Q	Q	Q	Q	Q	Q	NF
Other/None	0.6	0.1	21.6	0.3	2.1	0.5	26.4
Natural Gas Available in Neighborhood							
Yes	77.7	49.5	63.7	137.1	2.8	1.8	2.2
No	29.3	20.1	68.8	55.7	2.8	1.9	4.8
Households Without Electric Air-Conditioning Equipment							
.....	24.1	11.3	47.0	22.1	2.0	0.9	5.4
Households With Electric Air-Conditioning Equipment							
.....	82.9	58.3	70.3	170.7	2.9	2.1	1.9
Air Conditioners Not Used	2.1	1.0	47.4	2.3	2.3	1.1	15.5
Households Using Electric Air-Conditioning							
.....	80.8	57.3	70.9	168.4	2.9	2.1	1.9
Type of Electric Air-Conditioning Used							
Central Air-Conditioning ⁴	57.3	43.5	75.9	135.0	3.1	2.4	2.3
Without a Heat Pump	46.2	34.9	75.6	105.2	3.0	2.3	2.8
With a Heat Pump	11.1	8.5	76.8	29.7	3.5	2.7	6.6
Room Air-Conditioning	23.5	13.9	58.9	33.4	2.4	1.4	3.5
1 Unit	12.9	6.6	50.8	13.6	2.1	1.1	5.2
2 Units	7.5	5.1	67.8	12.7	2.5	1.7	5.5
3 or More Units	3.0	2.2	71.4	7.1	3.3	2.3	7.9
Number of Rooms Air-Conditioned in Summer 2001							
One or Two	12.3	6.3	51.0	13.5	2.2	1.1	6.1
Three	9.2	4.8	52.3	10.9	2.3	1.2	7.2
Four	12.0	8.0	66.6	17.3	2.2	1.4	4.8
Five or More	47.3	38.2	80.8	126.6	3.3	2.7	2.2

See footnotes at end of table.

**Table 1. Household Characteristics by Ceiling Fans, 2001
PRELIMINARY DATA (Continued)**

Housing Unit and Household Characteristics	Total Households (million)	Households With Fans (million)	Percent of Households With Fans	Number of Ceiling Fans (million)	Average Number of Fans		RSE Row Factors
					Per Households With Fans	Per Total Households	
RSE Column Factor:	1.0	1.2	0.7	1.5	0.7	1.1	
Percentage of Rooms Air-Conditioned							
100%	58.8	42.6	72.5	131.2	3.1	2.2	2.3
50% to 99%	12.1	8.6	71.2	22.5	2.6	1.9	4.8
25% to 49%	6.4	4.0	62.2	8.9	2.2	1.4	6.3
1% to 24%	3.5	2.1	59.8	5.8	2.8	1.7	8.8

¹ One of five climatically distinct areas, determined according to the 30-year average (1961-1990) of the annual heating and cooling degree-days. For this report, the heating or cooling degree-days are a measure of how cold or how hot a location is over a period of one year, relative to a base temperature of 65 degrees Fahrenheit. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

² New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

³ Based on the household respondent's description rather than the Federal Government definition.

⁴ Includes 823,000 households using room/wall air-conditioners in addition to central air-conditioning. These are excluded from the count of 23.5 million households using only room air-conditioners.

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors.

• Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2001 Residential Energy Consumption Survey.