

Data release date: June 2023

Table CE7.2 Household wood consumption in the United States—totals and averages, 2020

	Households using wood for any use			Households using wood for main space heating			Households using wood for secondary heating only		
	Number of housing units ^a (million)	Total wood consumption ^b (trillion Btu)	Average wood consumption per household (million Btu)	Number of housing units ^a (million)	Total wood consumption ^b (trillion Btu)	Average wood consumption per household (million Btu)	Number of housing units ^a (million)	Total wood consumption ^b (trillion Btu)	Average wood consumption per household (million Btu)
All homes	11.1	345.1	31.2	2.3	191.3	85.0	8.8	153.2	17.5
Census region									
Northeast	2.3	91.5	40.2	0.5	42.8	91.7	1.8	48.4	26.9
Midwest	2.2	105.6	47.8	0.5	63.4	123.1	1.7	42.3	25.0
South	3.8	77.0	20.2	0.6	41.6	69.2	3.2	35.2	11.0
West	2.8	70.9	25.8	0.7	43.5	65.1	2.1	27.4	13.1
Census urban/rural classification^c									
Urban	6.0	106.0	17.7	0.6	36.1	64.5	5.4	69.3	12.9
Urbanized area	5.0	75.3	15.1	0.3	19.9	58.9	4.6	54.8	11.9
Urban cluster	1.0	30.8	30.3	0.2	16.2	73.0	0.8	14.5	18.4
Rural	5.1	239.1	47.2	1.7	155.2	91.8	3.4	83.9	24.8
Year of construction									
Before 1950	1.8	88.6	49.3	0.5	56.7	106.7	1.3	31.8	25.2
1950 to 1959	0.8	24.7	30.0	0.1	10.4	80.3	0.7	14.0	20.5
1960 to 1969	1.1	32.7	30.0	0.2	15.9	91.1	0.9	16.8	18.3
1970 to 1979	2.0	61.2	30.3	0.4	30.6	75.0	1.6	30.7	19.0
1980 to 1989	1.9	52.5	26.9	0.4	29.5	71.5	1.5	22.9	15.0
1990 to 1999	1.7	39.0	22.9	0.3	20.0	72.3	1.4	18.9	13.3
2000 to 2009	1.2	35.0	28.6	0.2	21.9	105.1	1.0	13.1	12.9
2010 to 2015	0.2	6.4	26.5	0.1	3.4	61.8	0.2	2.9	16.0
2016 to 2020	0.2	5.0	24.8	0.1	2.9	53.0	0.1	2.1	14.2

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All homes	11.1	345.1	31.2	2.3	191.3	85.0	8.8	153.2	17.5
2020 annual household income									
Less than \$5,000	0.3	8.7	34.2	0.1	4.3	59.7	0.2	4.4	24.1
\$5,000 to \$9,999	0.2	9.9	53.4	0.1	8.6	77.5	0.1	1.3	17.4
\$10,000 to \$19,999	0.7	27.7	41.3	0.3	18.2	71.0	0.4	9.2	22.9
\$20,000 to \$39,999	1.8	65.2	37.0	0.4	42.4	95.4	1.3	22.8	17.3
\$40,000 to \$59,999	1.7	51.0	30.6	0.4	28.1	74.0	1.3	22.8	17.8
\$60,000 to \$99,999	2.9	91.7	31.8	0.5	50.9	95.5	2.3	40.7	17.4
\$100,000 to \$149,999	1.9	48.9	25.3	0.3	21.6	78.8	1.7	27.3	16.5
\$150,000 or more	1.7	41.9	24.6	0.2	17.1	95.9	1.5	24.8	16.3

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All homes	11.1	345.1	31.2	2.3	191.3	85.0	8.8	153.2	17.5

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the *2020 Residential Energy Consumption Survey*

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

Btu = British thermal units

^a *Total U.S.* includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

^b Wood consumption is derived from self-reported household responses of wood logs (cordwood) and wood pellets. All wood consumption reported in this table is attributable to main or secondary space heating. Other uses, such as water heating, were reported but were too rare to provide specific estimates for publication. See the *2020 Consumption and Expenditures Technical Documentation Summary* for more information about wood consumption estimation and data quality.

^c Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people. Urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households in reporting sample.

N = No households in reporting sample.

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Relative standard errors (RSEs) for Table CE7.2 Household wood consumption in the United States—totals and averages, 2020

	RSEs for households using wood for any use			RSEs for households using wood for main space heating			RSEs for households using wood for secondary heating only		
	Number of housing units ^a	Total wood consumption ^b	Average wood consumption per household	Number of housing units ^a	Total wood consumption ^b	Average wood consumption per household	Number of housing units ^a	Total wood consumption ^b	Average wood consumption per household
All homes	2.4	4.5	3.8	4.9	7.0	4.8	2.8	4.9	3.8
Census region									
Northeast	3.9	7.2	6.5	10.6	14.8	9.1	4.7	7.7	6.1
Midwest	6.1	11.9	9.3	13.7	17.2	10.2	6.7	12.0	9.0
South	3.9	7.5	7.5	10.7	13.0	8.7	4.5	7.6	6.5
West	4.8	8.2	6.8	12.4	12.5	6.1	5.2	7.3	7.1
Census urban/rural classification^c									
Urban	3.6	7.2	6.2	10.1	16.2	9.8	3.8	6.4	5.3
Urbanized area	3.9	7.4	6.2	12.4	19.8	14.1	4.1	6.7	5.2
Urban cluster	8.0	13.4	11.1	18.7	21.3	10.2	8.7	14.9	13.3
Rural	3.4	6.2	4.5	6.0	8.4	5.4	4.3	7.0	5.0
Year of construction									
Before 1950	7.2	12.2	8.8	11.3	15.7	10.5	8.2	14.0	9.7
1950 to 1959	8.7	13.1	10.8	20.4	23.5	14.9	10.5	15.6	10.9
1960 to 1969	8.3	18.1	15.6	22.3	31.9	19.5	8.4	15.1	13.4
1970 to 1979	4.6	8.9	7.5	12.8	16.2	10.5	5.0	8.2	7.7
1980 to 1989	6.1	8.4	7.5	11.6	14.1	9.2	6.6	8.2	8.9
1990 to 1999	6.6	11.5	9.8	16.2	18.6	11.3	7.2	12.8	10.6
2000 to 2009	7.9	18.9	17.1	16.6	30.1	21.7	8.6	12.3	9.7
2010 to 2015	15.3	23.9	19.8	30.7	37.0	23.5	17.7	29.1	27.7
2016 to 2020	17.6	23.1	17.2	29.8	31.1	11.5	18.4	28.7	27.0
2020 annual household income									
Less than \$5,000	16.3	28.3	23.3	32.6	39.3	23.3	18.9	39.6	35.9
\$5,000 to \$9,999	25.0	33.1	23.6	27.1	37.3	25.2	36.5	40.5	22.1

Relative standard errors (RSEs) for Table CE7.2 Household wood consumption in the United States—totals and averages, 2020

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	Number of housing units ^a	Total wood consumption ^b	Average wood consumption per household	Number of housing units ^a	Total wood consumption ^b	Average wood consumption per household	Number of housing units ^a	Total wood consumption ^b	Average wood consumption per household
All homes	2.4	4.5	3.8	4.9	7.0	4.8	2.8	4.9	3.8
\$10,000 to \$19,999	11.2	19.2	13.3	16.2	20.3	13.3	14.0	33.1	28.8
\$20,000 to \$39,999	6.3	12.6	11.2	10.5	18.2	14.0	8.0	12.5	10.5
\$40,000 to \$59,999	6.6	8.1	6.8	11.8	13.5	6.4	7.6	10.5	7.6
\$60,000 to \$99,999	5.2	8.9	8.3	10.5	14.9	10.4	6.2	8.1	7.5
\$100,000 to \$149,999	5.8	10.3	8.3	17.4	18.9	8.2	6.6	10.0	7.5
\$150,000 or more	5.7	11.7	9.7	17.6	24.8	19.7	6.1	8.3	6.7

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the *2020 Residential Energy Consumption Survey*

Notes: See RECS Terminology for definition of terms used in these tables.

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