

Preliminary data release date: June 2022

Final data release date: March 2023

Highlights for space heating in U.S. homes by state, 2020

Number (million) and percentage of housing units

	Main heating equipment ^b								Uses secondary heating equipment			
	Total ^a	Furnace		Central heat pump		Steam or hot water boiler			Uses humidifier			
All homes	123.53	74.42	60%	16.13	13%	9.29	8%	51.80	42%	29.25	24%	
Alabama	1.90	0.85	45%	0.74	39%	N	N	0.99	52%	0.28	15%	
Alaska	0.26	0.09	37%	Q	Q	0.09	36%	0.13	51%	0.05	21%	
Arizona	2.68	1.46	55%	0.67	25%	Q	Q	0.83	31%	0.51	19%	
Arkansas	1.14	0.69	60%	0.22	19%	N	N	0.55	48%	0.20	17%	
California	13.18	8.20	62%	0.41	3%	0.12	1%	4.74	36%	1.87	14%	
Colorado	2.26	1.73	77%	Q	Q	0.20	9%	1.17	52%	0.90	40%	
Connecticut	1.38	0.84	61%	Q	Q	0.32	23%	0.70	50%	0.41	30%	
Delaware	0.38	0.24	62%	0.08	20%	Q	Q	0.16	42%	0.10	27%	
District of Columbia	0.32	0.15	47%	0.04	14%	0.07	22%	0.10	32%	0.08	25%	
Florida	8.06	2.65	33%	2.53	31%	N	N	1.57	19%	0.45	6%	
Georgia	3.88	2.33	60%	1.03	27%	Q	Q	1.95	50%	0.77	20%	
Hawaii	0.47	Q	Q	Q	Q	Q	Q	Q	Q	0.02	5%	
Idaho	0.66	0.49	74%	Q	Q	Q	Q	0.34	53%	0.15	23%	
Illinois	4.90	3.74	76%	0.11	2%	0.55	11%	1.91	39%	2.11	43%	
Indiana	2.60	2.12	82%	0.17	7%	0.08	3%	1.15	44%	0.79	30%	
Iowa	1.28	1.07	83%	0.06	4%	0.09	7%	0.56	43%	0.51	40%	
Kansas	1.13	0.97	86%	0.07	6%	Q	Q	0.51	46%	0.45	40%	
Kentucky	1.74	1.14	66%	0.38	22%	Q	Q	0.82	47%	0.34	19%	
Louisiana	1.73	0.98	57%	0.36	21%	N	N	0.75	43%	0.23	13%	
Maine	0.56	0.26	46%	Q	Q	0.18	31%	0.35	61%	0.14	25%	
Maryland	2.28	1.46	64%	0.42	19%	0.16	7%	1.18	52%	0.72	32%	
Massachusetts	2.71	1.49	55%	0.06	2%	0.70	26%	1.13	42%	0.77	28%	
Michigan	3.92	3.24	83%	Q	Q	0.33	9%	1.72	44%	1.79	46%	
Minnesota	2.23	1.62	73%	Q	Q	0.34	15%	1.16	52%	0.84	37%	
Mississippi	1.08	0.58	54%	0.31	28%	Q	Q	0.48	45%	0.11	10%	
Missouri	2.43	1.84	76%	0.23	10%	Q	Q	1.21	50%	0.78	32%	
Montana	0.43	0.28	65%	Q	Q	0.04	10%	0.22	51%	0.13	30%	
Nebraska	0.77	0.64	83%	0.04	6%	Q	Q	0.38	50%	0.35	46%	
Nevada	1.14	0.85	74%	0.07	7%	Q	Q	0.45	40%	0.22	19%	
New Hampshire	0.54	0.29	53%	Q	Q	0.13	25%	0.25	47%	0.14	26%	

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	Main heating equipment ^b						Uses secondary heating equipment					
	Total ^a	Furnace		Central heat pump		Steam or hot water boiler			Uses humidifier			
All homes	123.53	74.42	60%	16.13	13%	9.29	8%	51.80	42%	29.25	24%	
New Jersey	3.39	2.07	61%	0.09	3%	0.85	25%	1.34	40%	0.90	26%	
New Mexico	0.79	0.53	67%	Q	Q	0.05	7%	0.42	54%	0.19	24%	
New York	7.52	3.31	44%	0.21	3%	2.65	35%	2.83	38%	2.41	32%	
North Carolina	4.01	1.99	50%	1.54	38%	Q	Q	1.75	44%	0.72	18%	
North Dakota	0.32	0.20	64%	Q	Q	0.04	12%	0.15	47%	0.12	39%	
Ohio	4.74	3.65	77%	0.26	5%	0.26	5%	1.99	42%	1.56	33%	
Oklahoma	1.49	1.03	69%	0.17	11%	N	N	0.77	52%	0.31	21%	
Oregon	1.65	0.83	50%	0.22	13%	Q	Q	0.88	53%	0.15	9%	
Pennsylvania	5.13	2.86	56%	0.38	7%	0.98	19%	2.57	50%	1.35	26%	
Rhode Island	0.42	0.21	51%	Q	Q	0.14	33%	0.19	45%	0.09	21%	
South Carolina	1.97	0.90	46%	0.80	41%	Q	Q	0.81	41%	0.32	16%	
South Dakota	0.35	0.26	75%	Q	Q	0.02	7%	0.15	45%	0.16	47%	
Tennessee	2.66	1.37	52%	0.92	35%	Q	Q	1.38	52%	0.51	19%	
Texas	10.26	6.23	61%	1.95	19%	Q	Q	3.67	36%	1.35	13%	
Utah	1.04	0.93	90%	Q	Q	Q	Q	0.50	48%	0.22	21%	
Vermont	0.26	0.13	51%	Q	Q	0.06	25%	0.15	57%	0.06	25%	
Virginia	3.24	1.83	56%	0.89	27%	0.14	4%	1.82	56%	0.93	29%	
Washington	2.94	1.39	47%	0.26	9%	Q	Q	1.44	49%	0.50	17%	
West Virginia	0.70	0.37	54%	0.14	20%	Q	Q	0.36	52%	0.17	25%	
Wisconsin	2.39	1.87	78%	Q	Q	0.20	8%	1.02	43%	0.93	39%	
Wyoming	0.23	0.15	68%	Q	Q	0.02	9%	0.12	52%	0.06	29%	

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey

Notes: Because of rounding, data may not sum to totals. Percentages are calculated on unrounded numbers. See RECS Terminology for the definitions of terms used in these tables. Differences in characteristics between states may not be statistically significant.

^a Total includes all primary occupied housing units. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

^b Estimates for homes not using space heating or using some other equipment for space heating are not shown. However, percentages of homes using a main heating equipment include all homes.

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

N = No households in reporting sample.

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Relative standard errors (RSEs) for Highlights for space heating in U.S. homes by state, 2020

RSEs for number and percentage of housing units

	Main heating equipment ^b						Uses secondary heating equipment				
	Total ^a	Furnace	Central heat pump	Steam or hot water boiler	Uses humidifier						
All homes	0.00	0.58	0.58	1.83	1.83	2.89	2.89	1.02	1.02	1.47	1.47
Alabama	0.00	8.50	8.50	8.21	8.21	0.00	0.00	6.22	6.22	17.18	17.18
Alaska	0.00	6.85	6.85	102.23	102.23	7.58	7.58	5.79	5.79	10.96	10.96
Arizona	0.00	4.44	4.44	8.80	8.80	71.20	71.20	6.98	6.98	9.75	9.75
Arkansas	0.00	5.55	5.55	14.56	14.56	0.00	0.00	6.30	6.30	17.31	17.31
California	0.00	2.17	2.17	20.68	20.68	31.45	31.45	4.00	4.00	6.95	6.95
Colorado	0.00	2.87	2.87	51.14	51.14	18.85	18.85	6.62	6.62	6.81	6.81
Connecticut	0.00	5.33	5.33	46.81	46.81	12.65	12.65	5.16	5.16	9.88	9.88
Delaware	0.00	7.28	7.28	17.60	17.60	39.09	39.09	10.69	10.69	14.19	14.19
District of Columbia	0.00	7.22	7.22	17.13	17.13	12.95	12.95	9.35	9.35	10.73	10.73
Florida	0.00	5.27	5.27	5.97	5.97	0.00	0.00	8.09	8.09	13.83	13.83
Georgia	0.00	4.06	4.06	8.59	8.59	59.29	59.29	5.29	5.29	9.36	9.36
Hawaii	0.00	40.60	40.60	101.68	101.68	100.38	100.38	58.52	58.52	23.68	23.68
Idaho	0.00	3.91	3.91	35.48	35.48	58.29	58.29	5.87	5.87	12.84	12.84
Illinois	0.00	2.60	2.60	28.84	28.84	13.38	13.38	6.09	6.09	4.98	4.98
Indiana	0.00	2.39	2.39	21.05	21.05	32.07	32.07	5.37	5.37	8.20	8.20
Iowa	0.00	2.67	2.67	28.10	28.10	22.93	22.93	6.80	6.80	7.30	7.30
Kansas	0.00	2.89	2.89	28.27	28.27	100.60	100.60	9.69	9.69	9.83	9.83
Kentucky	0.00	3.05	3.05	8.03	8.03	38.66	38.66	5.04	5.04	10.61	10.61
Louisiana	0.00	4.51	4.51	9.87	9.87	0.00	0.00	7.03	7.03	15.50	15.50
Maine	0.00	9.14	9.14	100.26	100.26	9.71	9.71	5.36	5.36	12.30	12.30
Maryland	0.00	4.63	4.63	11.88	11.88	22.33	22.33	5.72	5.72	8.88	8.88
Massachusetts	0.00	3.41	3.41	33.05	33.05	8.16	8.16	4.76	4.76	5.94	5.94
Michigan	0.00	2.44	2.44	40.00	40.00	19.61	19.61	5.99	5.99	5.81	5.81
Minnesota	0.00	3.68	3.68	41.73	41.73	15.26	15.26	5.55	5.55	8.07	8.07
Mississippi	0.00	7.67	7.67	11.47	11.47	100.56	100.56	7.84	7.84	24.46	24.46

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Relative standard errors (RSEs) for Highlights for space heating in U.S. homes by state, 2020

RSEs for number and percentage of housing units

	Main heating equipment ^b						Uses secondary heating equipment				
	Total ^a	Furnace		Central heat pump		Steam or hot water boiler		Uses humidifier			
All homes	0.00	0.58	0.58	1.83	1.83	2.89	2.89	1.02	1.02	1.47	1.47
Missouri	0.00	3.64	3.64	18.01	18.01	58.24	58.24	6.20	6.20	8.46	8.46
Montana	0.00	6.71	6.71	71.74	71.74	27.94	27.94	7.95	7.95	11.71	11.71
Nebraska	0.00	3.56	3.56	29.32	29.32	60.80	60.80	6.97	6.97	7.57	7.57
Nevada	0.00	3.95	3.95	26.88	26.88	45.10	45.10	9.26	9.26	13.90	13.90
New Hampshire	0.00	7.62	7.62	59.53	59.53	13.62	13.62	7.75	7.75	11.10	11.10
New Jersey	0.00	4.78	4.78	36.16	36.16	9.36	9.36	6.81	6.81	8.06	8.06
New Mexico	0.00	4.95	4.95	37.86	37.86	25.30	25.30	6.30	6.30	13.58	13.58
New York	0.00	3.49	3.49	20.44	20.44	4.78	4.78	4.39	4.39	5.47	5.47
North Carolina	0.00	4.37	4.37	5.63	5.63	44.72	44.72	4.57	4.57	11.35	11.35
North Dakota	0.00	4.70	4.70	53.69	53.69	20.67	20.67	5.82	5.82	8.13	8.13
Ohio	0.00	3.08	3.08	21.47	21.47	26.00	26.00	6.04	6.04	6.86	6.86
Oklahoma	0.00	4.69	4.69	19.13	19.13	0.00	0.00	5.60	5.60	12.88	12.88
Oregon	0.00	6.10	6.10	12.90	12.90	59.31	59.31	5.85	5.85	18.50	18.50
Pennsylvania	0.00	3.97	3.97	14.46	14.46	9.29	9.29	4.25	4.25	7.11	7.11
Rhode Island	0.00	7.51	7.51	56.48	56.48	10.75	10.75	8.63	8.63	15.19	15.19
South Carolina	0.00	6.25	6.25	6.67	6.67	100.38	100.38	6.47	6.47	12.61	12.61
South Dakota	0.00	5.23	5.23	32.20	32.20	28.36	28.36	8.09	8.09	7.08	7.08
Tennessee	0.00	4.18	4.18	5.76	5.76	71.12	71.12	4.16	4.16	10.57	10.57
Texas	0.00	2.80	2.80	7.13	7.13	42.34	42.34	4.31	4.31	8.33	8.33
Utah	0.00	2.45	2.45	58.70	58.70	39.51	39.51	8.02	8.02	14.46	14.46
Vermont	0.00	6.34	6.34	74.52	74.52	11.81	11.81	5.63	5.63	11.14	11.14
Virginia	0.00	4.14	4.14	7.95	7.95	21.60	21.60	4.18	4.18	5.98	5.98
Washington	0.00	5.04	5.04	16.63	16.63	33.51	33.51	5.13	5.13	14.27	14.27
West Virginia	0.00	6.64	6.64	15.33	15.33	36.79	36.79	7.93	7.93	12.65	12.65
Wisconsin	0.00	3.37	3.37	57.65	57.65	19.33	19.33	5.90	5.90	6.70	6.70
Wyoming	0.00	5.57	5.57	70.11	70.11	24.76	24.76	6.74	6.74	13.31	13.31

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	Total ^a	Furnace		Central heat pump		Steam or hot water boiler		Uses humidifier			
All homes	0.00	0.58	0.58	1.83	1.83	2.89	2.89	1.02	1.02	1.47	1.47

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey

Notes: See RECS Terminology for the definitions of terms used in these tables. Differences in characteristics between states may not be statistically significant.

^a Total includes all primary occupied housing units. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

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