

Preliminary data release date: March 2022

Final data release date: March 2023

Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

Number of housing units (million)

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Number of televisions used							
0	3.78	1.01	0.23	0.78	0.71	0.54	0.17
1	33.77	6.32	1.77	4.55	7.13	4.83	2.30
2	41.14	7.04	2.01	5.02	9.07	6.21	2.86
3	24.99	4.32	1.08	3.24	5.68	3.92	1.76
4	12.13	1.95	0.49	1.46	2.66	1.90	0.76
5 or more	7.72	1.28	0.30	0.99	1.80	1.15	0.65
Most-used television: display size							
Less than 28 inches	7.17	1.53	0.43	1.10	1.75	1.21	0.54
28 to 39 inches	23.95	4.40	1.34	3.06	5.17	3.52	1.65
40 to 59 inches	64.96	11.70	3.05	8.65	14.85	10.10	4.74
60 inches or more	23.67	3.28	0.83	2.45	4.57	3.18	1.39
Does not use a television	3.78	1.01	0.23	0.78	0.71	0.54	0.17
Most-used television: display type							
LED or OLED	77.87	13.52	3.62	9.89	17.53	11.91	5.62
LCD	28.03	4.88	1.39	3.50	6.01	4.13	1.88
Plasma	11.41	2.05	0.54	1.51	2.26	1.63	0.63
Projection	0.60	0.15	Q	0.13	0.11	Q	Q
Standard tube	1.83	0.31	0.07	0.24	0.42	0.25	0.17
Does not use a television	3.78	1.01	0.23	0.78	0.71	0.54	0.17
Most-used television: use							
Watching live programming	58.72	11.02	2.81	8.20	13.64	9.27	4.37
Watching recorded or on-demand programming from a set-top box	11.66	2.15	0.61	1.54	2.20	1.66	0.55
Streaming content via built-in smart TV apps	27.13	4.20	1.17	3.03	5.56	3.79	1.77
Streaming content via a separate streaming device	18.07	2.93	0.86	2.07	4.08	2.67	1.40
Playing video games	3.13	0.46	0.15	0.31	0.63	0.47	0.16
Other use	1.05	0.14	Q	0.11	0.22	0.16	0.07
Does not use a television	3.78	1.01	0.23	0.78	0.71	0.54	0.17
Most-used television: hours used per weekday							
Less than 1 hour	4.53	0.85	0.21	0.64	1.04	0.62	0.41
1 to 3 hours	29.58	5.40	1.72	3.68	5.68	3.86	1.82
4 to 6 hours	41.66	7.29	1.88	5.41	9.23	6.14	3.09
7 to 10 hours	24.81	4.39	1.18	3.21	5.88	4.19	1.69
More than 10 hours	19.17	2.98	0.66	2.32	4.52	3.20	1.32
Does not use a television	3.78	1.01	0.23	0.78	0.71	0.54	0.17

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	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Most-used television: hours used per weekend day							
Less than 1 hour	4.10	0.80	0.20	0.60	0.88	0.50	0.38
1 to 3 hours	20.64	3.80	1.20	2.60	3.84	2.56	1.28
4 to 6 hours	39.55	7.07	1.95	5.12	8.55	5.86	2.69
7 to 10 hours	32.17	5.48	1.42	4.06	7.73	5.48	2.25
More than 10 hours	23.28	3.75	0.87	2.88	5.34	3.61	1.73
Does not use a television	3.78	1.01	0.23	0.78	0.71	0.54	0.17
Second most-used television: display size							
Less than 28 inches	14.79	2.88	0.88	2.00	3.57	2.43	1.14
28 to 39 inches	28.86	5.15	1.36	3.79	6.50	4.58	1.92
40 to 59 inches	35.78	5.71	1.42	4.29	7.63	5.21	2.42
60 inches or more	6.55	0.85	0.22	0.63	1.50	0.96	0.53
Does not use two televisions	37.55	7.33	2.00	5.34	7.84	5.36	2.47
Second most-used television: display type							
LED or OLED	52.87	9.21	2.41	6.79	12.24	8.45	3.80
LCD	23.16	3.70	1.04	2.67	4.97	3.40	1.57
Plasma	6.88	1.13	0.29	0.83	1.19	0.80	0.38
Projection	0.62	0.06	Q	Q	0.19	0.13	0.06
Standard tube	2.46	0.49	0.11	0.38	0.62	0.41	0.22
Does not use two televisions	37.55	7.33	2.00	5.34	7.84	5.36	2.47
Second most-used television: use							
Watching live programming	40.32	7.40	1.89	5.51	9.22	6.29	2.94
Watching recorded or on-demand programming from a set-top box	8.82	1.47	0.42	1.05	1.78	1.23	0.55
Streaming content via built-in smart TV apps	16.23	2.56	0.75	1.81	3.34	2.22	1.12
Streaming content via a separate streaming device	11.83	1.70	0.50	1.20	2.75	1.90	0.86
Playing video games	7.74	1.31	0.29	1.02	1.87	1.38	0.49
Other use	1.04	0.15	Q	0.12	0.24	0.17	0.07
Does not use two televisions	37.55	7.33	2.00	5.34	7.84	5.36	2.47
Second most-used television: hours used per weekday							
Less than 1 hour	15.96	2.65	0.79	1.87	3.93	2.78	1.15
1 to 3 hours	39.09	6.75	1.91	4.84	8.51	5.55	2.96
4 to 6 hours	18.55	3.03	0.72	2.31	4.20	3.02	1.18
7 to 10 hours	7.84	1.34	0.30	1.05	1.70	1.19	0.51
More than 10 hours	4.54	0.81	0.16	0.64	0.87	0.64	0.23
Does not use two televisions	37.55	7.33	2.00	5.34	7.84	5.36	2.47

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Number of housing units (million)

	Northeast Census Region				Midwest Census Region		
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Second most-used television: hours used per weekend day							
Less than 1 hour	15.24	2.51	0.78	1.73	3.74	2.70	1.04
1 to 3 hours	34.96	6.04	1.74	4.30	7.62	4.94	2.68
4 to 6 hours	20.13	3.28	0.78	2.50	4.51	3.17	1.33
7 to 10 hours	10.11	1.81	0.36	1.44	2.17	1.53	0.64
More than 10 hours	5.53	0.95	0.22	0.73	1.17	0.83	0.33
Does not use two televisions	37.55	7.33	2.00	5.34	7.84	5.36	2.47
Third most-used television: display size							
Less than 28 inches	10.74	2.03	0.54	1.49	2.59	1.86	0.73
28 to 39 inches	16.71	2.83	0.70	2.13	3.72	2.52	1.20
40 to 59 inches	14.99	2.31	0.57	1.74	3.32	2.24	1.09
60 inches or more	2.39	0.38	0.06	0.31	0.50	0.36	0.14
Does not use three televisions	78.70	14.37	4.01	10.36	16.90	11.57	5.33
Third most-used television: display type							
LED or OLED	27.18	4.72	1.13	3.59	6.15	4.21	1.94
LCD	12.68	2.01	0.51	1.50	2.81	1.89	0.93
Plasma	3.28	0.52	0.17	0.36	0.74	0.56	0.18
Projection	0.35	Q	Q	Q	0.08	Q	Q
Standard tube	1.34	0.25	0.05	0.20	0.35	0.27	0.08
Does not use three televisions	78.70	14.37	4.01	10.36	16.90	11.57	5.33
Third most-used television: use							
Watching live programming	19.66	3.67	0.87	2.81	4.41	3.01	1.40
Watching recorded or on-demand programming from a set-top box	3.96	0.70	0.14	0.56	0.86	0.62	0.25
Streaming content via built-in smart TV apps	8.52	1.26	0.35	0.91	1.90	1.29	0.60
Streaming content via a separate streaming device	6.95	1.07	0.27	0.80	1.70	1.14	0.55
Playing video games	4.99	0.79	0.22	0.58	1.10	0.81	0.29
Other use	0.75	0.06	Q	Q	0.18	0.10	0.07
Does not use three televisions	78.70	14.37	4.01	10.36	16.90	11.57	5.33
Third most-used television: hours used per weekday							
Less than 1 hour	13.85	2.11	0.53	1.58	3.49	2.29	1.20
1 to 3 hours	19.00	3.46	0.79	2.67	4.26	2.94	1.32
4 to 6 hours	7.17	1.14	0.36	0.78	1.46	1.03	0.43
7 to 10 hours	3.20	0.53	0.16	0.37	0.63	0.47	0.15
More than 10 hours	1.62	0.32	0.03	0.28	0.30	0.24	0.05
Does not use three televisions	78.70	14.37	4.01	10.36	16.90	11.57	5.33

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	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Third most-used television: hours used per weekend day							
Less than 1 hour	13.47	2.10	0.48	1.62	3.27	2.18	1.09
1 to 3 hours	17.12	3.12	0.79	2.33	3.95	2.64	1.31
4 to 6 hours	8.28	1.35	0.36	0.99	1.72	1.23	0.49
7 to 10 hours	3.77	0.57	0.16	0.41	0.75	0.56	0.19
More than 10 hours	2.19	0.41	0.08	0.33	0.45	0.36	0.09
Does not use three televisions	78.70	14.37	4.01	10.36	16.90	11.57	5.33
Number of cable or satellite boxes without DVRs used							
0	80.60	12.72	3.61	9.11	18.34	12.44	5.90
1	24.18	5.08	1.29	3.79	4.81	3.36	1.45
2	11.62	2.54	0.67	1.86	2.63	1.86	0.77
3 or more	7.12	1.58	0.30	1.28	1.27	0.89	0.38
Number of cable or satellite boxes with DVRs used							
0	81.63	14.36	3.78	10.58	18.34	12.32	6.02
1	25.55	4.67	1.42	3.25	5.42	4.05	1.36
2	9.36	1.70	0.42	1.28	1.80	1.19	0.61
3 or more	6.99	1.19	0.26	0.93	1.49	0.99	0.50
Number of separate DVRs used (not part of cable or satellite box)							
0	117.10	20.97	5.66	15.31	25.67	17.61	8.06
1	4.56	0.70	0.19	0.51	1.02	0.71	0.32
2	1.33	0.17	Q	0.15	0.27	0.17	0.10
3 or more	0.53	0.08	Q	0.07	0.08	Q	Q
Number of DVD or Blu-ray players used							
0	69.10	13.37	3.45	9.92	14.17	9.85	4.32
1	40.79	6.51	1.94	4.57	9.34	6.20	3.14
2	11.05	1.65	0.42	1.22	2.88	2.06	0.82
3 or more	2.59	0.40	0.07	0.33	0.65	0.44	0.21
Number of VCRs used							
0	104.82	18.70	5.06	13.64	22.07	15.01	7.07
1	16.59	2.80	0.73	2.07	4.50	3.22	1.29
2	1.79	0.33	0.07	0.25	0.41	0.28	0.14
3 or more	0.32	0.09	Q	0.08	Q	Q	Q

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	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Number of internet streaming devices used							
0	54.15	10.40	2.63	7.77	12.20	8.40	3.80
1	34.74	6.04	1.68	4.37	7.17	4.94	2.23
2	18.68	2.87	0.87	2.00	3.97	2.72	1.25
3 or more	15.95	2.60	0.69	1.91	3.69	2.48	1.21
Number of home theater or audio systems used							
0	92.93	16.85	4.40	12.45	20.60	14.09	6.51
1	25.81	4.33	1.27	3.06	5.25	3.64	1.61
2	4.17	0.67	0.19	0.49	1.08	0.72	0.35
3 or more	0.63	0.07	Q	Q	0.12	Q	Q
Number of video game consoles used							
0	81.03	14.68	3.86	10.82	17.60	11.89	5.72
1	29.51	5.12	1.47	3.65	6.37	4.44	1.92
2	9.59	1.57	0.36	1.21	2.25	1.66	0.60
3 or more	3.40	0.54	0.18	0.36	0.82	0.56	0.26
Have internet access in the home							
Yes	114.73	20.44	5.51	14.93	24.81	17.02	7.79
Pays cell phone company or internet service provider	110.21	19.80	5.36	14.44	23.66	16.30	7.36
Does not pay cell phone company or internet service provider	4.51	0.64	0.15	0.49	1.15	0.72	0.43
No	8.80	1.48	0.37	1.11	2.23	1.53	0.70
Number of smart speakers							
0	84.23	14.57	3.92	10.65	18.89	12.84	6.05
1	20.09	3.76	1.00	2.76	4.36	3.16	1.20
2	9.62	1.81	0.51	1.31	2.08	1.35	0.73
3 or more	9.59	1.78	0.45	1.33	1.71	1.20	0.51
Smart speaker controls							
Lighting	9.70	1.72	0.45	1.27	2.01	1.49	0.52
Temperature	5.40	0.82	0.20	0.62	1.15	0.86	0.29
Security system, cameras, or locks	7.07	0.98	0.28	0.70	1.31	0.96	0.36
Television, set-top box, or streaming device	9.30	1.65	0.40	1.25	1.94	1.37	0.57
Something else	0.77	0.09	Q	Q	0.15	0.13	Q
Does not use smart speaker to control devices	22.31	4.35	1.14	3.21	4.57	3.12	1.44
Does not have smart speaker	84.23	14.57	3.92	10.65	18.89	12.84	6.05

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	Number of housing units (million)						
	Total U.S. ^a	Northeast Census Region		Midwest Census Region			West North Central
		Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Number of desktop computers used							
0	73.13	12.95	3.51	9.44	16.42	11.20	5.22
1	39.89	7.18	1.92	5.26	8.62	6.01	2.61
2	7.92	1.44	0.38	1.06	1.45	0.96	0.49
3 or more	2.58	0.35	0.07	0.28	0.56	0.38	0.17
Number of laptop computers used							
0	31.34	5.05	1.24	3.81	7.64	5.21	2.43
1	44.71	7.62	1.99	5.63	10.04	6.72	3.32
2	28.21	5.61	1.54	4.08	5.60	3.97	1.63
3 or more	19.27	3.64	1.11	2.53	3.77	2.64	1.13
Number of tablets and e-readers used							
0	50.01	8.80	2.20	6.60	11.24	7.80	3.44
1	39.90	7.02	1.90	5.12	8.84	5.90	2.93
2	22.27	4.09	1.10	2.99	4.52	3.17	1.35
3 or more	11.36	2.01	0.67	1.33	2.44	1.67	0.77
Number of smartphones used							
0	14.76	2.92	0.74	2.18	3.48	2.42	1.06
1	30.98	5.51	1.39	4.12	7.18	4.86	2.32
2	46.13	8.02	2.18	5.84	10.28	7.01	3.26
3 or more	31.66	5.47	1.57	3.90	6.11	4.25	1.86
Number of other cell phones used							
0	101.09	17.67	4.87	12.80	21.81	14.89	6.93
1	14.79	2.83	0.66	2.17	3.54	2.44	1.10
2	5.08	0.95	0.23	0.72	1.17	0.85	0.33
3 or more	2.57	0.47	0.12	0.35	0.51	0.37	0.14
Number of printers, scanners, copiers, or fax machines							
0	44.08	7.65	1.89	5.75	10.43	7.07	3.36
1	68.40	12.33	3.45	8.88	14.48	9.92	4.56
2	9.41	1.76	0.50	1.27	1.76	1.27	0.49
3 or more	1.63	0.18	0.04	0.14	0.38	0.29	0.08

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

^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.

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 HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Number of televisions used							
0	5.40	10.40	12.73	12.23	11.92	13.71	20.94
1	1.33	2.99	3.92	3.93	2.82	3.64	4.21
2	1.22	2.71	3.60	3.38	2.77	3.82	3.56
3	1.60	3.20	6.19	3.90	3.22	4.13	5.44
4	2.54	4.93	8.80	6.37	5.83	8.17	7.01
5 or more	3.59	6.87	11.27	7.82	5.58	7.64	9.46
Most-used television: display size							
Less than 28 inches	3.09	8.20	9.66	10.84	6.84	9.58	10.29
28 to 39 inches	1.66	3.52	4.06	4.91	3.38	5.24	4.91
40 to 59 inches	0.77	1.80	2.77	2.20	1.84	2.55	2.64
60 inches or more	1.56	4.29	7.80	4.97	4.38	5.43	5.79
Does not use a television	5.40	10.40	12.73	12.23	11.92	13.71	20.94
Most-used television: display type							
LED or OLED	0.66	1.48	2.17	1.79	1.31	1.75	2.11
LCD	1.49	3.43	4.74	4.16	3.31	4.46	5.29
Plasma	2.67	5.51	8.86	7.13	6.81	8.47	9.41
Projection	11.15	19.99	35.86	23.97	30.66	35.94	50.70
Standard tube	8.18	16.84	26.59	21.07	15.17	21.24	18.06
Does not use a television	5.40	10.40	12.73	12.23	11.92	13.71	20.94
Most-used television: use							
Watching live programming	0.80	1.83	2.53	2.39	2.10	2.90	2.54
Watching recorded or on-demand programming from a set-top box	2.66	5.84	7.12	7.30	6.16	7.47	10.43
Streaming content via built-in smart TV apps	1.38	4.11	4.88	5.19	4.63	6.40	5.50
Streaming content via a separate streaming device	2.20	4.21	6.78	4.98	5.00	6.48	7.15
Playing video games	5.01	12.54	20.45	17.57	13.21	15.05	20.14
Other use	8.47	21.98	43.95	26.93	18.25	25.68	30.69
Does not use a television	5.40	10.40	12.73	12.23	11.92	13.71	20.94
Most-used television: hours used per weekday							
Less than 1 hour	5.31	9.14	12.51	12.21	10.19	14.08	13.22
1 to 3 hours	1.61	3.65	3.92	5.14	3.78	4.75	5.28
4 to 6 hours	1.37	3.24	3.71	3.98	2.38	3.09	3.51
7 to 10 hours	1.74	3.82	6.45	4.75	3.54	4.50	5.34
More than 10 hours	2.20	4.73	8.65	5.52	4.30	5.21	6.32
Does not use a television	5.40	10.40	12.73	12.23	11.92	13.71	20.94

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Relative standard errors (RSEs) for Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Most-used television: hours used per weekend day							
Less than 1 hour	5.16	11.61	13.58	14.98	11.85	17.24	12.87
1 to 3 hours	1.74	4.32	5.67	5.67	4.90	6.16	7.55
4 to 6 hours	1.31	2.92	3.93	3.73	2.82	3.67	4.39
7 to 10 hours	1.47	3.40	5.79	4.17	2.72	3.67	5.01
More than 10 hours	1.90	4.39	6.22	5.36	4.28	5.65	5.09
Does not use a television	5.40	10.40	12.73	12.23	11.92	13.71	20.94
Second most-used television: display size							
Less than 28 inches	2.39	4.45	5.09	6.05	4.66	5.64	5.78
28 to 39 inches	1.52	2.92	5.21	4.06	2.78	3.60	4.76
40 to 59 inches	1.19	2.88	5.06	3.24	2.79	3.63	4.20
60 inches or more	3.65	8.25	14.14	10.10	6.35	9.18	11.33
Does not use two televisions	1.26	2.62	3.82	3.45	2.61	3.40	3.87
Second most-used television: display type							
LED or OLED	1.08	2.54	3.54	3.25	1.86	2.31	2.90
LCD	1.85	4.42	7.28	5.13	3.95	5.20	5.03
Plasma	3.66	7.76	12.76	9.29	7.24	10.13	13.24
Projection	11.64	37.98	57.39	53.71	26.74	33.32	36.07
Standard tube	5.98	10.86	20.69	12.89	10.93	15.88	15.35
Does not use two televisions	1.26	2.62	3.82	3.45	2.61	3.40	3.87
Second most-used television: use							
Watching live programming	1.22	2.91	3.69	3.85	2.56	3.46	3.09
Watching recorded or on-demand programming from a set-top box	2.51	7.76	9.75	9.76	6.56	7.75	8.94
Streaming content via built-in smart TV apps	2.10	5.32	8.00	6.59	5.01	6.62	6.47
Streaming content via a separate streaming device	2.27	5.92	8.82	7.56	4.95	7.21	8.35
Playing video games	3.10	7.65	13.33	9.73	7.03	8.54	11.92
Other use	8.26	21.27	48.80	24.18	22.02	27.11	35.60
Does not use two televisions	1.26	2.62	3.82	3.45	2.61	3.40	3.87

Preliminary data release date: March 2022

Final data release date: March 2023

Relative standard errors (RSEs) for Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Second most-used television: hours used per weekday							
Less than 1 hour	1.98	5.18	7.19	5.99	3.49	5.05	5.70
1 to 3 hours	1.27	2.56	3.67	3.43	2.58	3.55	3.15
4 to 6 hours	1.94	4.72	6.24	5.74	4.32	5.01	6.21
7 to 10 hours	2.94	7.11	15.08	8.20	8.85	10.79	11.72
More than 10 hours	4.88	9.72	17.57	11.87	11.74	15.15	15.90
Does not use two televisions	1.26	2.62	3.82	3.45	2.61	3.40	3.87
Second most-used television: hours used per weekend day							
Less than 1 hour	2.14	5.22	7.52	6.82	4.77	5.50	6.70
1 to 3 hours	1.39	3.14	4.11	4.13	2.90	4.05	3.80
4 to 6 hours	1.96	4.10	7.33	5.08	4.48	5.23	6.57
7 to 10 hours	2.58	5.94	13.54	6.79	6.41	8.38	8.37
More than 10 hours	4.80	9.72	15.18	11.53	10.77	14.08	14.54
Does not use two televisions	1.26	2.62	3.82	3.45	2.61	3.40	3.87
Third most-used television: display size							
Less than 28 inches	2.74	6.33	7.68	7.97	5.82	7.23	8.52
28 to 39 inches	1.77	4.86	7.96	5.92	4.24	5.87	6.25
40 to 59 inches	2.05	5.58	8.10	6.73	4.63	6.63	6.05
60 inches or more	6.16	12.83	24.29	14.02	14.20	17.61	18.96
Does not use three televisions	0.55	1.12	1.57	1.48	1.20	1.74	1.70
Third most-used television: display type							
LED or OLED	1.58	3.24	5.66	4.00	2.94	3.70	4.76
LCD	2.01	5.66	8.75	7.11	5.11	6.78	7.02
Plasma	5.52	12.61	16.04	16.48	11.20	14.34	18.17
Projection	13.80	38.96	91.44	43.48	40.42	49.76	52.13
Standard tube	8.13	15.03	24.20	18.29	16.72	20.85	25.23
Does not use three televisions	0.55	1.12	1.57	1.48	1.20	1.74	1.70

Preliminary data release date: March 2022

Final data release date: March 2023

Relative standard errors (RSEs) for Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Third most-used television: use							
Watching live programming	1.68	3.70	6.73	4.87	3.40	4.87	5.67
Watching recorded or on-demand programming from a set-top box	4.61	10.29	19.02	12.49	9.89	12.58	17.97
Streaming content via built-in smart TV apps	2.98	7.19	13.62	8.94	5.50	7.16	7.98
Streaming content via a separate streaming device	3.63	8.23	12.50	9.99	7.08	9.05	9.52
Playing video games	3.90	10.30	13.42	12.65	8.81	11.26	10.73
Other use	8.68	35.83	45.32	45.45	24.02	35.25	24.78
Does not use three televisions	0.55	1.12	1.57	1.48	1.20	1.74	1.70
Third most-used television: hours used per weekday							
Less than 1 hour	2.17	5.90	8.06	6.98	4.47	5.73	5.67
1 to 3 hours	1.82	3.67	7.09	4.36	3.10	4.53	5.10
4 to 6 hours	3.20	7.80	12.29	9.32	7.04	9.61	11.38
7 to 10 hours	5.57	10.71	19.91	13.36	12.25	15.41	22.34
More than 10 hours	8.34	14.90	37.10	16.70	21.11	24.29	29.51
Does not use three televisions	0.55	1.12	1.57	1.48	1.20	1.74	1.70
Third most-used television: hours used per weekend day							
Less than 1 hour	2.16	5.79	8.78	6.80	5.02	6.15	6.98
1 to 3 hours	2.14	3.86	6.14	4.87	3.88	5.12	5.80
4 to 6 hours	2.93	7.34	11.12	9.40	7.14	8.90	12.42
7 to 10 hours	4.75	12.13	17.23	14.77	11.25	13.87	19.84
More than 10 hours	6.54	12.27	21.98	14.62	16.86	18.61	22.14
Does not use three televisions	0.55	1.12	1.57	1.48	1.20	1.74	1.70
Number of cable or satellite boxes without DVRs used							
0	0.66	1.80	2.11	2.23	1.28	1.71	1.84
1	1.99	3.96	5.07	4.56	4.67	5.78	6.19
2	2.86	5.37	7.38	6.94	5.30	6.55	8.11
3 or more	3.88	6.77	11.75	8.26	9.65	11.09	12.65
Number of cable or satellite boxes with DVRs used							
0	0.60	1.32	1.74	1.65	1.17	1.55	1.52
1	1.75	3.78	4.26	5.11	3.49	3.85	5.68
2	3.25	6.58	10.31	7.80	7.07	9.15	9.51
3 or more	2.88	7.50	11.23	9.69	6.91	8.76	9.53

Preliminary data release date: March 2022

Final data release date: March 2023

Relative standard errors (RSEs) for Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Number of separate DVRs used (not part of cable or satellite box)							
0	0.18	0.38	0.48	0.52	0.38	0.50	0.56
1	3.71	10.39	14.76	14.02	8.25	11.05	13.06
2	9.81	19.01	44.43	20.54	18.34	23.06	24.20
3 or more	14.89	29.92	53.15	32.60	29.54	38.83	40.81
Number of DVD or Blu-ray players used							
0	0.69	1.57	2.47	1.97	1.68	2.35	2.52
1	1.12	2.41	4.13	3.06	2.29	3.60	3.73
2	2.69	6.71	11.11	8.76	5.31	6.53	8.64
3 or more	5.23	15.22	24.04	16.84	10.25	12.07	16.58
Number of VCRs used							
0	0.38	0.81	0.88	1.00	0.89	1.12	1.12
1	2.28	5.20	6.14	6.49	4.16	5.09	5.56
2	6.96	12.81	22.55	17.07	11.93	15.84	23.36
3 or more	15.47	31.12	70.62	35.06	43.23	47.74	100.53
Number of internet streaming devices used							
0	0.93	2.03	3.60	2.25	2.03	2.79	2.69
1	1.29	3.24	4.49	3.95	2.89	3.80	4.38
2	1.96	4.91	6.52	6.57	3.72	5.26	6.15
3 or more	2.04	4.06	6.50	5.18	4.74	6.68	5.50
Number of home theater or audio systems used							
0	0.43	0.92	1.52	1.21	0.94	1.22	1.50
1	1.53	3.00	5.00	3.92	3.53	4.54	5.86
2	4.18	11.25	12.52	14.96	8.22	11.98	11.47
3 or more	12.65	36.04	41.99	45.87	32.92	38.80	56.78
Number of video game consoles used							
0	0.58	1.32	2.22	1.63	1.36	1.83	1.90
1	1.56	3.69	4.88	4.80	2.95	3.86	4.48
2	2.83	6.65	9.94	7.71	5.58	7.57	9.19
3 or more	4.86	12.03	17.66	14.09	11.87	14.76	14.01

Preliminary data release date: March 2022

Final data release date: March 2023

Relative standard errors (RSEs) for Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Have internet access in the home							
Yes	0.20	0.47	0.86	0.55	0.68	0.87	0.95
Pays cell phone company or internet service provider	0.27	0.67	1.04	0.85	0.77	1.00	1.22
Does not pay cell phone company or internet service provider	4.19	13.07	16.90	15.59	9.97	12.99	12.67
No	2.64	6.42	12.78	7.44	7.50	9.63	10.51
Number of smart speakers							
0	0.49	1.28	1.92	1.57	0.91	1.25	1.54
1	1.84	4.42	5.78	5.26	3.52	4.44	6.09
2	2.91	6.27	8.57	7.53	5.87	7.15	9.06
3 or more	2.52	4.81	9.89	7.19	7.06	9.75	9.76
Smart speaker controls							
Lighting	2.62	5.40	8.86	7.77	6.39	8.29	10.25
Temperature	4.42	7.52	15.79	9.17	8.06	10.77	12.51
Security system, cameras, or locks	3.65	7.41	11.53	9.17	7.20	9.36	11.41
Television, set-top box, or streaming device	3.33	7.24	9.63	8.52	6.31	8.48	9.31
Something else	10.36	27.66	43.39	32.70	28.98	32.38	48.51
Does not use smart speaker to control devices	1.93	3.93	6.31	4.60	3.93	5.22	5.50
Does not have smart speaker	0.49	1.28	1.92	1.57	0.91	1.25	1.54
Number of desktop computers used							
0	0.66	1.73	2.30	2.27	1.32	1.83	2.24
1	1.25	2.87	4.37	3.66	2.53	3.45	4.47
2	3.36	6.79	8.28	8.66	6.06	9.34	9.65
3 or more	7.14	15.60	24.16	18.62	13.36	15.52	20.25
Number of laptop computers used							
0	1.54	3.12	5.92	3.51	3.35	4.24	3.80
1	1.15	2.77	4.45	3.34	2.34	3.06	3.53
2	1.62	3.04	6.19	3.47	3.60	4.28	5.16
3 or more	1.79	3.96	5.92	5.03	3.96	5.52	6.26
Number of tablets and e-readers used							
0	1.13	2.44	4.21	2.89	2.29	2.65	3.79
1	1.35	2.86	4.59	3.62	3.39	4.32	4.19
2	1.64	3.70	5.75	4.64	3.75	4.65	6.35
3 or more	2.81	5.74	7.62	7.38	5.51	6.98	7.62

Preliminary data release date: March 2022

Final data release date: March 2023

Relative standard errors (RSEs) for Table HC4.7 Electronics in U.S. homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Number of smartphones used							
0	2.54	4.99	8.51	6.04	5.22	6.76	7.55
1	1.47	3.26	5.34	3.94	2.89	3.95	4.86
2	1.16	2.57	4.14	3.12	2.34	2.98	3.75
3 or more	1.59	3.10	4.45	4.22	3.25	4.44	4.90
Number of other cell phones used							
0	0.39	0.91	1.37	1.16	0.89	1.13	1.32
1	2.50	5.52	9.24	6.31	5.21	6.04	7.78
2	4.42	10.31	13.77	13.04	9.81	11.88	14.04
3 or more	5.56	13.11	21.28	16.82	12.92	15.42	21.16
Number of printers, scanners, copiers, or fax machines							
0	1.15	2.78	4.06	3.51	2.20	2.77	3.04
1	0.78	1.76	2.47	2.34	1.61	2.12	2.29
2	2.79	5.51	9.05	7.04	6.41	8.11	9.55
3 or more	7.45	18.80	30.56	23.06	16.76	18.96	25.05

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 definition of terms used in these tables.

^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.