

CensusNBM¹ Report 437

National Broadband Availability for Housing Units by Technology - December 31, 2021

Total US Broadband by Advertised Download/Upload Speeds				
Technology	10 M DL / 1 M UL	25 M DL / 3 M UL	50 M DL / 5 M UL	100 M DL / 10 M UL
Any Fixed Technology Except Satellite	99.1%	98.2%	96.3%	94.8%
Any Wired Technology	96.9%	95.1%	94.5%	93.4%
Any Wired Technology Except Cable	85.2%	71.3%	68.2%	60.3%
DSL	67.6%	41.2%	36.1%	22.5%
Asymmetric xDSL	8.7%	0.3%	0.1%	0.0%
ADSL2	45.6%	0.5%	0.1%	0.0%
VDSL	45.9%	40.7%	36.0%	22.4%
Symmetric xDSL	0.0%	0.0%	0.0%	0.0%
Copper	1.4%	0.8%	0.8%	0.8%
Fiber	47.3%	47.2%	47.2%	47.0%
Cable	84.2%	84.1%	84.1%	83.9%
DOCSIS 3.1	78.4%	78.4%	78.4%	78.4%
DOCSIS 3.0	11.3%	11.2%	11.1%	10.9%
DOCSIS 1 - 1.1 - 2.0	0.3%	0.3%	0.2%	0.1%
Cable Other	1.1%	1.0%	1.0%	1.0%
Terrestrial Fixed Wireless	82.1%	80.1%	33.6%	24.6%
Satellite	100.0%	100.0%	44.6%	41.7%

Rural US Broadband by Advertised Download/Upload Speeds				
Technology	10 M DL / 1 M UL	25 M DL / 3 M UL	50 M DL / 5 M UL	100 M DL / 10 M UL
Any Fixed Technology Except Satellite	96.7%	92.7%	85.2%	79.5%
Any Wired Technology	87.6%	80.5%	77.9%	73.6%
Any Wired Technology Except Cable	72.6%	52.0%	46.2%	36.1%
DSL	58.7%	30.9%	23.1%	9.9%
Asymmetric xDSL	6.2%	0.9%	0.2%	0.1%
ADSL2	36.1%	1.0%	0.1%	0.0%
VDSL	37.4%	29.4%	22.7%	9.7%
Symmetric xDSL	0.1%	0.1%	0.0%	0.0%
Copper	0.1%	0.0%	0.0%	0.0%
Fiber	29.9%	29.8%	29.6%	29.2%
Cable	58.3%	57.8%	57.6%	57.2%
DOCSIS 3.1	48.0%	48.0%	47.9%	47.9%
DOCSIS 3.0	11.1%	10.7%	10.5%	10.0%
DOCSIS 1 - 1.1 - 2.0	0.3%	0.3%	0.3%	0.3%
Cable Other	3.7%	1.3%	1.2%	1.2%
Terrestrial Fixed Wireless	72.1%	66.4%	25.9%	17.7%
Satellite	100.0%	100.0%	33.0%	29.8%

Non-Rural US Broadband by Advertised Download/Upload Speeds				
Technology	10 M DL / 1 M UL	25 M DL / 3 M UL	50 M DL / 5 M UL	100 M DL / 10 M UL
Any Fixed Technology Except Satellite	99.8%	99.7%	99.3%	99.0%
Any Wired Technology	99.4%	99.1%	99.0%	98.7%
Any Wired Technology Except Cable	88.6%	76.5%	74.1%	66.9%
DSL	70.0%	44.0%	39.6%	25.9%
Asymmetric xDSL	9.3%	0.2%	0.1%	0.0%
ADSL2	48.1%	0.4%	0.1%	0.0%
VDSL	48.1%	43.7%	39.5%	25.9%
Symmetric xDSL	0.0%	0.0%	0.0%	0.0%
Copper	1.7%	1.0%	1.0%	1.0%
Fiber	52.0%	52.0%	51.9%	51.8%
Cable	91.2%	91.2%	91.2%	91.1%
DOCSIS 3.1	86.6%	86.6%	86.6%	86.6%
DOCSIS 3.0	11.3%	11.3%	11.3%	11.2%
DOCSIS 1 - 1.1 - 2.0	0.3%	0.3%	0.1%	0.1%
Cable Other	0.4%	1.0%	1.0%	0.9%
Terrestrial Fixed Wireless	84.8%	83.7%	35.7%	26.5%
Satellite	100.0%	100.0%	47.7%	44.9%

CensusNBM1 sources include the Census 2020 and the FCC 477 Deployment data as of December 2021

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