**THIS REPORT INCLUDES**

1. E-Rate Intellegence Report
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# E-Rate Intelligence Report

## CONGRESSIONAL DISTRICT SERIES

PREPARED BY THE
**TECHNOLOGY POLICY INSTITUTE**
**WASHINGTON, D.C.**

The Congressional District Series includes E-Rate Intelligence Reports showing E-Rate funds spent in each congressional district. For data on E-Rate funds by school, school district, library, or consortium, please refer to the School & Library Series. For information on E-Rate funds in a particular state, please refer to our quarterly E-Rate Databook, which compiles E-Rate Intelligence Reports from all congressional districts in each state. The State Legislature Series includes E-Rate Intelligence Reports that aggregate E-Rate funds by state legislative districts.

# E-Rate Intelligence Report

## CONGRESSIONAL DISTRICT SERIES

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Suggested Citation: Technology Policy Institute, E-Rate Intelligence Report, Congressional District Series.

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# CONGRESSIONAL DISTRICT SERIES

Based on our own research and experience we know that gathering current and historical E-Rate data for specific schools and libraries or aggregated up to congressional districts or states can be time consuming. TPI Reports does this for you, providing easy-to-read reports showing E-Rate funds over time and by vendor and category of spending, always based on the most recent data available from the Universal Services Administrative Company.

We want these reports to be useful to a variety of professionals:

*E-Rate Administrators.* Consider attaching these scorecards to your internal and external reports and applications. Compare the funding commitments and vendor contracts of your school or school district with those of neighboring school or congressional districts.

*Policymakers and Legislative Staffers.* Quickly understand the status and details of E-Rate funding in your district.

*E-Rate Service Providers.* Compare your service offerings with other providers. Use the data to research competitive offerings of broadband speeds, prices, and equipment.

The Congressional District Series of E-Rate Intelligence Reports include current and historical funds distributed to each school district, types of expenditures by the school districts, payments by school districts to E-Rate vendors, the types of services provided by the vendors, and more.

We also include a Broadband Intelligence Report to provide context on broadband access and availability for households near the recipient institution. We also include a glossary, which explains the methodology and data sources we use to create these reports. Aggregating data at different geographic levels and time periods involves some care, and we document our approach in this section.

Data is available in tables and time series charts. Charts include historic data since 1998 by funding category, service provider, and other changes in upload and download speeds offered over time.

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**YOUR REPORT ORDER**

# CONGRESSIONAL DISTRICT SERIES

**NAME OF CONGRESSIONAL DISTRICT**

## Iowa's Congressional District 2

**REPORT DATE**

## 06-03-2021

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Custom Report of E-Rate Funding for Iowa's Congressional District 2 -- generated on 06/03/21. E-Rate Scorecard 2021. (c) Technology Policy Institute

| | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total E-Rate Subsidies | $2,886,167 | $5,207,132 | $3,842,958 | $3,981,043 | $4,092,644 | $4,158,347 | $3,290,321 | $3,125,103 | $2,784,866 | $2,526,028 |
| Average Discount Rate | 69 | 68 | 67 | 53 | 51 | 57 | 67 | 67 | 66 | 67 |
| Number of Service Providers | 39 | 63 | 58 | 64 | 74 | 64 | 59 | 59 | 57 | 54 |
| Number of Billing Entities | 76 | 99 | 93 | 101 | 109 | 107 | 106 | 106 | 102 | 96 |
| Number of School BENs | 8 | 15 | 12 | 13 | 12 | 13 | 12 | 12 | 13 | 9 |
| Number of School District BENs | 65 | 77 | 74 | 75 | 77 | 77 | 76 | 76 | 74 | 73 |
| Number of Library BENs | 1 | 5 | 5 | 11 | 18 | 17 | 18 | 18 | 16 | 15 |
| Number of Consortium BENs | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |

| Total E-Rate Subsidies By E-Rate Service Type | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
|---|---|---|---|---|---|---|---|---|---|---|
| Data Transmission and/or Internet Access | $1,144,082 | $2,328,149 | $2,521,401 | $2,357,420 | $2,634,759 | $1,420,833 | $1,747,402 | $1,670,075 | $1,353,811 | $982,774 |
| Telecomm Services | $0 | $0 | $0 | $0 | $0 | $1,000,532 | $1,542,920 | $1,455,028 | $1,374,580 | $1,473,414 |
| Voice | $0 | $0 | $0 | $87,956 | $259,528 | $517,791 | $0 | $0 | $0 | $0 |
| Internal Connections | $1,712,166 | $2,840,864 | $1,194,495 | $1,497,392 | $1,066,851 | $1,123,264 | $0 | $0 | $56,475 | $69,840 |
| Managed Internal Broadband Services | $29,918 | $16,996 | $40,174 | $36,629 | $29,645 | $0 | $0 | $0 | $0 | $0 |
| Basic Maintenance of Internal Connections | $0 | $21,123 | $86,888 | $1,645 | $101,860 | $0 | $0 | $0 | $0 | $0 |
| Internal Connections MNT | $0 | $0 | $0 | $0 | $0 | $66,851 | $0 | $0 | $0 | $0 |
| Internal Connections MIBS | $0 | $0 | $0 | $0 | $0 | $29,076 | $0 | $0 | $0 | $0 |

| Total E-Rate Subsidies By E-Rate Billing Entity (Top 10) | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
|---|---|---|---|---|---|---|---|---|---|---|
| Davenport Comm School District | $831,502 | $1,780,722 | $377,280 | $404,777 | $377,587 | $469,410 | $410,169 | $341,316 | $314,886 | $354,929 |
| Ottumwa Comm School District | $157,810 | $244,905 | $167,493 | $79,778 | $97,459 | $96,670 | $110,656 | $108,944 | $83,362 | $96,162 |
| Newton Community School District | $72,792 | $198,242 | $202,030 | $154,461 | $4,435 | $122,543 | $59,937 | $50,640 | $48,514 | $40,077 |
| Muscatine Comm School District | $168,006 | $192,616 | $196,805 | $232,033 | $248,796 | $0 | $0 | $0 | $0 | $0 |
| Fort Madison Comm School Dist | $15,792 | $188,538 | $23,688 | $17,512 | $18,478 | $17,341 | $24,820 | $25,019 | $22,275 | $32,558 |
| Mississippi Bend Area Education Agency | $147,203 | $184,898 | $180,581 | $181,112 | $160,331 | $0 | $0 | $0 | $0 | $0 |
| Great Prairie Aea Consortium | $49,225 | $158,080 | $182,726 | $279,584 | $387,352 | $0 | $0 | $0 | $0 | $0 |
| Burlington Comm School Dist | $198,359 | $141,812 | $208,498 | $38,065 | $419,808 | $444,337 | $219,389 | $213,675 | $196,435 | $99,022 |
| Iowa City Comm School District | $0 | $115,781 | $206,228 | $473,125 | $63,848 | $61,014 | $68,528 | $52,214 | $35,402 | $52,793 |
| Pleasant Valley Community School District | $9,930 | $107,095 | $0 | $0 | $0 | $4,577 | $15,361 | $16,253 | $16,713 | $16,789 |

| Average Discount Rate By E-Rate Billing Entity (Top 10) | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
|---|---|---|---|---|---|---|---|---|---|---|
| Davenport Comm School District | 80 | 80 | 80 | 50 | 67 | 71 | 78 | 77 | 80 | 78 |
| Ottumwa Comm School District | 80 | 80 | 80 | 50 | 68 | 70 | 81 | 80 | 81 | 75 |
| Newton Community School District | 80 | 80 | 80 | 65 | 40 | 73 | 74 | 72 | 76 | 74 |
| Muscatine Comm School District | 80 | 80 | 80 | 80 | 80 | 0 | 0 | 0 | 0 | 0 |
| Fort Madison Comm School Dist | 80 | 80 | 80 | 50 | 60 | 70 | 77 | 70 | 73 | 76 |
| Mississippi Bend Area Education Agency | 59 | 65 | 63 | 64 | 62 | 0 | 0 | 0 | 0 | 0 |
| Great Prairie Aea Consortium | 63 | 69 | 69 | 70 | 70 | 0 | 0 | 0 | 0 | 0 |
| Burlington Comm School Dist | 80 | 80 | 80 | 50 | 72 | 70 | 81 | 79 | 81 | 79 |
| Iowa City Comm School District | 0 | 60 | 60 | 60 | 40 | 50 | 60 | 60 | 58 | 57 |
| Pleasant Valley Community School District | 40 | 40 | 0 | 0 | 0 | 20 | 42 | 42 | 42 | 42 |

| Top 10 E-Rate Service Provider by Subsidies | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
|---|---|---|---|---|---|---|---|---|---|---|
| Aercor Wireless, Inc. | $698,025 | $928,399 | $137,222 | $119,190 | $46,115 | $76,157 | $0 | $0 | $0 | $0 |
| State of Iowa, Iowa Telecommunication & Technology Commissio | $340,511 | $871,552 | $860,189 | $917,924 | $953,193 | $873,945 | $870,559 | $779,533 | $772,700 | $670,441 |
| Tri-City Electric Company Of Iowa | $88,991 | $623,846 | $6,864 | $209,516 | $44,223 | $11,729 | $0 | $0 | $0 | $0 |
| MCC Telephony, LLC | $127,880 | $350,944 | $645,352 | $529,891 | $535,137 | $547,083 | $393,508 | $383,261 | $405,106 | $388,380 |
| Mediacom Iowa LLC | $205,798 | $295,318 | $62,021 | $36,494 | $14,819 | $4,050 | $4,584 | $5,569 | $5,088 | $0 |
| Heartland Technology Group, Inc. | $11,564 | $261,985 | $58,032 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Riverside Technologies, Inc. | $144,720 | $209,790 | $35,618 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Unite Private Networks, LLC | $72,792 | $185,261 | $199,481 | $94,274 | $208,169 | $268,661 | $195,233 | $190,589 | $172,608 | $0 |
| Windstream Communications, LLC | $68,940 | $179,626 | $221,015 | $258,769 | $400,685 | $539,026 | $746,080 | $736,030 | $561,152 | $482,019 |
| Infrastructure Technology Solutions | $51,419 | $155,053 | $143,532 | $72,627 | $92,231 | $95,508 | $0 | $0 | $0 | $0 |

| | Average Download Speed (Mbps) | | | | | Average Upload Speed (Mbps) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Average Speed By E-Rate Service Type | 2020 | 2019 | 2018 | 2017 | 2016 | 2020 | 2019 | 2018 | 2017 | 2016 |
| Voice | NA | NA | NA | 728 | 738 | NA | NA | NA | 728 | 738 |
| Data Transmission and/or Internet Access | 1027 | 887 | 844 | 1421 | 893 | 1018 | 878 | 840 | 1418 | 893 |
| Internal Connections | 1278 | 850 | 709 | 843 | 701 | 1261 | 847 | 709 | 845 | 700 |
| Managed Internal Broadband Services | 738 | 419 | 333 | 300 | 13336 | 738 | 419 | 292 | 273 | 13327 |
| Basic Maintenance of Internal Connections | 200 | 1324 | 502 | 308 | 3226 | 200 | 1324 | 502 | 308 | 3230 |

| | Average Download Speed (Mbps) | | | | | Average Upload Speed (Mbps) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Average Speed for Top 10 E-Rate Billing Entities | 2020 | 2019 | 2018 | 2017 | 2016 | 2020 | 2019 | 2018 | 2017 | 2016 |
| Davenport Comm School District | 2100 | 2100 | 5101 | 2552 | 2552 | 2100 | 2100 | 5101 | 2552 | 2552 |
| Ottumwa Comm School District | 3368 | 1333 | 955 | 951 | 476 | 3364 | 1303 | 955 | 951 | 476 |
| Newton Community School District | 5500 | 5500 | 5500 | 5300 | NA | 5500 | 5500 | 5500 | 5300 | NA |
| Muscatine Comm School District | 636 | 594 | 588 | 588 | 586 | 636 | 594 | 588 | 588 | 586 |
| Fort Madison Comm School Dist | 750 | 750 | 750 | 400 | 400 | 750 | 750 | 750 | 400 | 400 |
| Mississippi Bend Area Education Agency | 4593 | 4267 | 4267 | 4267 | 3967 | 4593 | 4267 | 4267 | 4267 | 3967 |
| Great Prairie Aea Consortium | 10000 | 3169 | 3304 | 3775 | 3550 | 10000 | 3169 | 3304 | 3775 | 3550 |
| Burlington Comm School Dist | 7000 | 6250 | 6250 | 1000 | 1000 | 7000 | 6250 | 6250 | 1000 | 1000 |
| Iowa City Comm School District | NA | 2000 | 2000 | 3000 | 363 | NA | 2000 | 2000 | 3000 | 363 |
| Pleasant Valley Community School District | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

| | Average Download Speed (Mbps) | | | | | Average Upload Speed (Mbps) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Average Speed By Top 10 E-Rate Service Providers | 2020 | 2019 | 2018 | 2017 | 2016 | 2020 | 2019 | 2018 | 2017 | 2016 |
| Aercor Wireless, Inc. | 478 | 1100 | 791 | 3000 | 43 | 478 | 1100 | 771 | 3000 | 36 |
| State of Iowa, Iowa Telecommunication & Technology Commissio | 737 | 683 | 507 | 810 | 295 | 734 | 683 | 507 | 810 | 294 |
| Tri-City Electric Company Of Iowa | 1062 | 1175 | 855 | 481 | 322 | 1058 | 1175 | 855 | 478 | 322 |
| MCC Telephony, LLC | 1671 | 1102 | 1333 | 796 | 582 | 1670 | 1091 | 1333 | 794 | 565 |
| Mediacom Iowa LLC | 1702 | 1800 | 1450 | 222 | 103 | 1702 | 1800 | 1450 | 222 | 103 |
| Heartland Technology Group, Inc. | 3368 | 877 | 955 | NA | NA | 3364 | 871 | 955 | NA | NA |
| Riverside Technologies, Inc. | 1668 | 1050 | 2 | NA | NA | 1668 | 1050 | 2 | NA | NA |
| Unite Private Networks, LLC | 5500 | 4563 | 3777 | 2075 | 548 | 5500 | 4563 | 3777 | 2075 | 548 |
| Windstream Communications, LLC | 726 | 706 | 592 | 622 | 221 | 714 | 708 | 594 | 631 | 226 |
| Infrastructure Technology Solutions | 340 | 252 | 536 | 195 | 11453 | 199 | 248 | 511 | 168 | 11439 |

# Iowa's Congressional District 2

# 06-03-2021

# Broadband Intellegence Report

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| | Dec. 2019 | June 2019 | Dec. 2018 | June 2018 | Dec. 2017 | June 2017 | Dec. 2016 | June 2016 | Dec. 2015 |
|---|---|---|---|---|---|---|---|---|---|
| Consumer Download (Mbps) | 803 | 803 | 824 | 798 | 789 | 789 | 749 | 165 | 156 |
| Consumer Upload (Mbps) | 226 | 188 | 170 | 155 | 112 | 106 | 92 | 55 | 56 |
| Consumer Download (Mbps) - State Average | 815 | 786 | 777 | 764 | 760 | 751 | 726 | 214 | 188 |
| Consumer Upload (Mbps) - State Average | 238 | 204 | 186 | 162 | 124 | 111 | 102 | 68 | 63 |
| Consumer Download (Mbps) - National Average | 864 | 856 | 818 | 740 | 611 | 519 | 403 | 233 | 204 |
| Consumer Upload (Mbps) - National Average | 342 | 326 | 302 | 266 | 234 | 216 | 188 | 94 | 85 |

| | 2019 | 2017 | 2016 |
|---|---|---|---|
| Percent of Households that are Internet Subscribers | 84% | 83% | 79% |
| Percent of Households that are Non-Dialup Internet Subscribers | 83% | 82% | 78% |
| Percent of Households that are Non-Dialup, Non-Mobile Internet Subscribers | 70% | 71% | 67% |
| Percent of Households that are Non-Dialup, Non-Mobile, Non-Satellite Internet Subscribers | 63% | 63% | 59% |
| Percent of Households that are Fixed Broadband Subscribers | 65% | 65% | 61% |
| Percent of Households under $20000 that are Broadband Subscribers | 61% | 59% | 55% |
| Percent of Households between $20000 and $75000 that are Broadband Subscribers | 82% | 82% | 76% |
| Percent of Households over $75000 that are Broadband Subscribers | 94% | 94% | 93% |

| **Percent of households in district covered at** | Dec. 2019 | June 2019 | Dec. 2018 | June 2018 | Dec. 2017 | June 2017 | Dec. 2016 | June 2016 | Dec. 2015 |
|---|---|---|---|---|---|---|---|---|---|
| 25 Mbps download/3 Mpbs upload | 94% | 93% | 93% | 92% | 90% | 88% | 84% | 81% | 78% |
| 10 Mbps download/1 Mpbs upload | 97% | 97% | 97% | 97% | 96% | 96% | 95% | 93% | 89% |
| 250 Mbps download/30 Mpbs upload | 78% | 78% | 81% | 78% | 77% | 77% | 73% | 4% | 7% |
| 100 Mbps download/100 Mpbs upload | 33% | 26% | 21% | 18% | 13% | 11% | 10% | 7% | 13% |

| **Demographic Information** | 2018 | 2017 | 2016 |
|---|---|---|---|
| Total Population | 783,983 | 780,802 | 778,964 |
| Households | 313,626 | 308,314 | 308,367 |
| Median Age | 38.0 | 38.2 | 38.0 |
| Median Income | $55,239 | $54,758 | $52,150 |
| Gini Index | 0.47 | 0.44 | 0.45 |
| On Food Stamps or Public Assistance | 5% | 4% | 5% |
| Number of Children | 178,172 | 176,894 | 176,615 |
| Median Rent | $641 | $630 | $613 |
| Percent Income Spent on Rent | 2,770% | 2,810% | 2,980% |
| Families with Young Children | 7% | 7% | 7% |
| Aggregate Travel Time to Work | 7,187,335 | 7,169,270 | 7,008,250 |
| Employed Population | 50% | 50% | 50% |
| Unemployed Population | 2% | 2% | 2% |
| Labor Force Population | 52% | 52% | 52% |
| Not in the Labor Force Population | 28% | 28% | 28% |
| Population Speaking Only English at Home | | | |
| Population Speaking Spanish at Home | | | |
| Population Speaking Spanish at Home with Low English | | | |

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## GLOSSARY

**E-RATE INTELLIGENCE REPORT**

*Average Download and Upload Speeds.* The scorecard includes data reported by E-Rate service providers to the Universal Service Administrative Company. Download and upload speeds are self-reported by providers in Form 471. The data is made available in the "E-rate Recipient Details And Commitments" open dataset.

*Equipment Prices*. The prices of equipment and services are posted for competitive bidding purposes. The data is available in the "E-rate Request for Discount on Services: FRN Status (FCC Form 471 and Related Information)" open dataset.

**BROADBAND INTELLIGENCE REPORT**

*Consumer Download and Upload Speeds.* The scorecard includes aggregate download and upload speed by congressional district. The source of the data is the FCC's Form 477 which includes self-reported data on maximum advertised speeds available by census block. See https://www.fcc.gov/general/explanation-broadband-deployment-data.

*Broadband Subscribership.* The scorecard includes adoption figures from the U.S. Census Bureau's Current Population Survey and American Community Survey which asks households about Internet use in the home. See https://www.census.gov/content/dam/Census/library/publications/2018/acs/ACS-39.pdf.

*Demographics*. The demographic data are sourced from the U.S. Census Bureau. We include relevant population characteristics as a reference point for comparing neighborhing areas.

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## FEEDBACK? FEATURE REQUESTS?

We're continually improving our data services and would love to hear from you. We would be grateful for feedback and suggested feature requests to help you understand the E-Rate program. Contact us at soh@techpolicyinstitute.org. Follow us on Twitter! @techpolicyinst!

## ABOUT THE PUBLISHER

The Technology Policy Institute is a think tank that focuses on the economics of innovation, technological change, and related regulation in the United States and around the world. We are a 501(c)(3) research and educational foundation. Our mission is to advance knowledge and inform policymakers by producing independent, rigorous research and by sponsoring educational programs and conferences on major issues affecting information technology and communications policy. Today's digital economy may be new, but the economic principles underlying it are not. First principles still matter in both developed and emerging economies. Thus, government should intervene in these dynamic markets only when markets fail and when proposed solutions will demonstrably improve society's well-being. New technologies can greatly improve standards of living around the globe, but policymakers must carefully consider how policies affect the development of those technologies. Our research will help inform those deliberations.

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