

INFRASTRUCTURE FAST FACTS

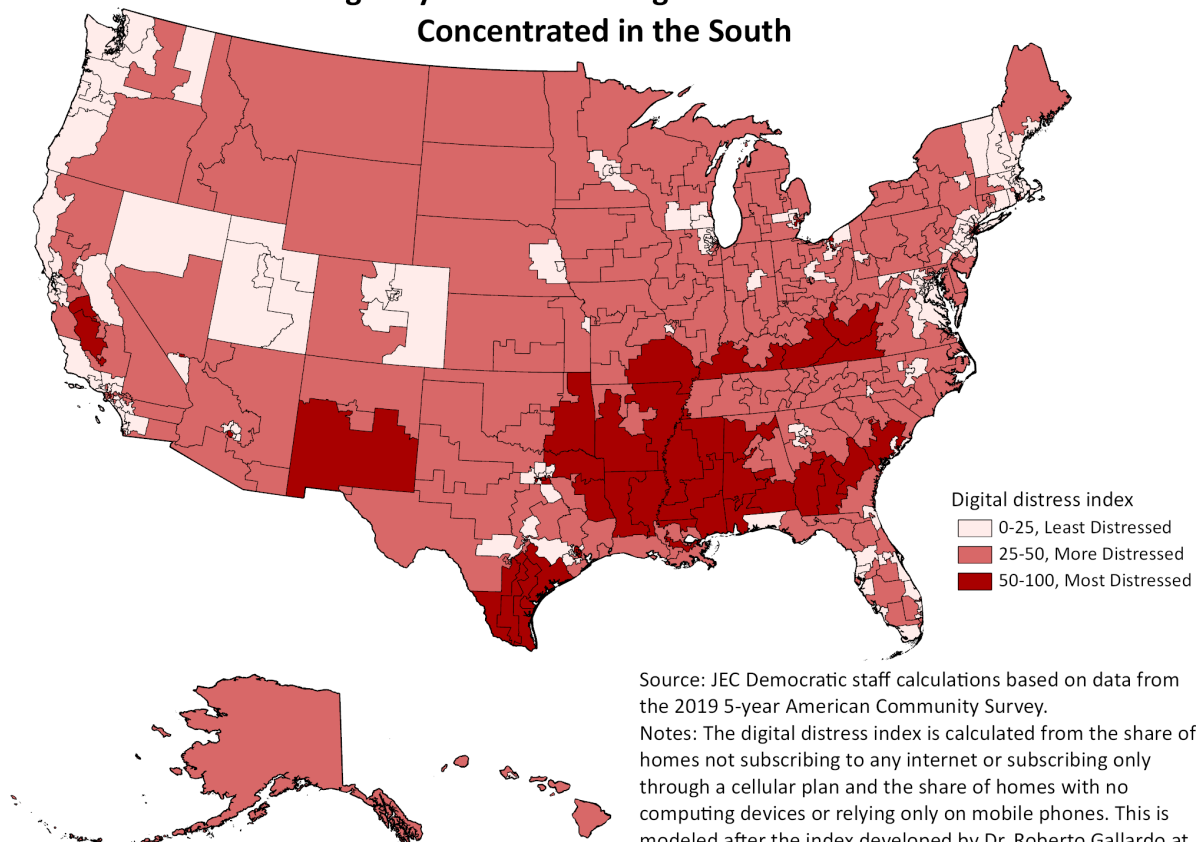
Joint Economic Committee

@JECDems

Most Digitally Distressed Congressional Districts Are Concentrated in the South

- Communities that are digitally distressed have a high percentage of homes not subscribing to any internet or subscribing to it only through a cellular plan, and a high percentage of homes with no computing devices or relying only on mobile devices.¹
- Congressional districts in Southern states are particularly likely to be digitally distressed.² For example, half of the districts in both Arkansas and Louisiana are digitally distressed, four out of seven districts in Alabama are digitally distressed and all of the districts in Mississippi are digitally distressed.
- Digital distress may be a result of poor-quality access to internet, high costs of internet or an inability to afford computers.³

Most Digitally Distressed Congressional Districts are Concentrated in the South



Source: JEC Democratic staff calculations based on data from the 2019 5-year American Community Survey.
Notes: The digital distress index is calculated from the share of homes not subscribing to any internet or subscribing only through a cellular plan and the share of homes with no computing devices or relying only on mobile phones. This is modeled after the index developed by Dr. Roberto Gallardo at the Purdue Center for Regional Development.

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Digital Distress by Congressional District	
Congressional District	Digital Distress Index
Alabama	
Congressional District 1	54.9
Congressional District 2	54.1
Congressional District 3	48.4
Congressional District 4	62.8
Congressional District 5	34.4
Congressional District 6	30.5
Congressional District 7	66.6
Alaska	
Congressional District (at Large)	27.4
Arizona	
Congressional District 1	42.1
Congressional District 2	25.7
Congressional District 3	42.0
Congressional District 4	30.4
Congressional District 5	11.0
Congressional District 6	12.5
Congressional District 7	57.9
Congressional District 8	13.0
Congressional District 9	22.4
Arkansas	
Congressional District 1	61.8
Congressional District 2	45.2
Congressional District 3	37.5
Congressional District 4	69.2
California	
Congressional District 1	30.1
Congressional District 2	16.9
Congressional District 3	27.7
Congressional District 4	14.6
Congressional District 5	17.1
Congressional District 6	26.0
Congressional District 7	12.2
Congressional District 8	30.1
Congressional District 9	32.4
Congressional District 10	31.3
Congressional District 11	14.5
Congressional District 12	14.4
Congressional District 13	19.3
Congressional District 14	8.4
Congressional District 15	5.6
Congressional District 16	54.4
Congressional District 17	1.0
Congressional District 18	2.5
Congressional District 19	12.7

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District 20	29.7
Congressional District 21	67.2
Congressional District 22	32.8
Congressional District 23	34.9
Congressional District 24	17.3
Congressional District 25	15.5
Congressional District 26	16.5
Congressional District 27	15.6
Congressional District 28	18.6
Congressional District 29	33.5
Congressional District 30	9.6
Congressional District 31	26.3
Congressional District 32	27.8
Congressional District 33	2.7
Congressional District 34	43.5
Congressional District 35	28.8
Congressional District 36	33.1
Congressional District 37	28.2
Congressional District 38	26.4
Congressional District 39	9.6
Congressional District 40	54.7
Congressional District 41	26.2
Congressional District 42	9.9
Congressional District 43	33.1
Congressional District 44	43.9
Congressional District 45	2.0
Congressional District 46	29.7
Congressional District 47	20.6
Congressional District 48	8.9
Congressional District 49	4.0
Congressional District 50	13.1
Congressional District 51	44.5
Congressional District 52	2.2
Congressional District 53	10.1
Colorado	
Congressional District 1	17.5
Congressional District 2	4.6
Congressional District 3	34.8
Congressional District 4	18.8
Congressional District 5	14.8
Congressional District 6	10.8
Congressional District 7	18.3
Connecticut	
Congressional District 1	26.5
Congressional District 2	17.9
Congressional District 3	24.0
Congressional District 4	14.4
Congressional District 5	25.9
Delaware	
Congressional District (at Large)	26.5
District of Columbia	

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District (at Large)	24.8
Florida	
Congressional District 1	21.7
Congressional District 2	37.1
Congressional District 3	30.3
Congressional District 4	15.5
Congressional District 5	47.2
Congressional District 6	33.2
Congressional District 7	12.5
Congressional District 8	18.4
Congressional District 9	27.8
Congressional District 10	21.3
Congressional District 11	23.6
Congressional District 12	20.3
Congressional District 13	26.9
Congressional District 14	23.2
Congressional District 15	26.7
Congressional District 16	19.8
Congressional District 17	36.0
Congressional District 18	20.8
Congressional District 19	20.2
Congressional District 20	41.2
Congressional District 21	23.8
Congressional District 22	16.9
Congressional District 23	16.1
Congressional District 24	50.0
Congressional District 25	37.8
Congressional District 26	24.9
Congressional District 27	29.5
Georgia	
Congressional District 1	37.0
Congressional District 2	62.8
Congressional District 3	32.2
Congressional District 4	26.9
Congressional District 5	32.5
Congressional District 6	6.2
Congressional District 7	9.5
Congressional District 8	50.6
Congressional District 9	39.2
Congressional District 10	34.4
Congressional District 11	12.8
Congressional District 12	52.0
Congressional District 13	21.6
Congressional District 14	43.9
Hawaii	
Congressional District 1	21.3
Congressional District 2	25.5
Idaho	
Congressional District 1	26.7
Congressional District 2	26.5
Illinois	

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District 1	41.4
Congressional District 2	45.2
Congressional District 3	29.0
Congressional District 4	42.9
Congressional District 5	15.7
Congressional District 6	7.6
Congressional District 7	37.4
Congressional District 8	19.7
Congressional District 9	17.8
Congressional District 10	18.6
Congressional District 11	19.6
Congressional District 12	48.5
Congressional District 13	32.7
Congressional District 14	8.8
Congressional District 15	47.9
Congressional District 16	30.5
Congressional District 17	48.0
Congressional District 18	32.3
Indiana	
Congressional District 1	34.9
Congressional District 2	40.4
Congressional District 3	38.3
Congressional District 4	30.6
Congressional District 5	20.3
Congressional District 6	40.7
Congressional District 7	48.2
Congressional District 8	45.4
Congressional District 9	34.7
Iowa	
Congressional District 1	32.4
Congressional District 2	36.4
Congressional District 3	28.2
Congressional District 4	37.2
Kansas	
Congressional District 1	38.9
Congressional District 2	37.9
Congressional District 3	15.5
Congressional District 4	34.8
Kentucky	
Congressional District 1	55.8
Congressional District 2	39.6
Congressional District 3	35.7
Congressional District 4	31.7
Congressional District 5	56.5
Congressional District 6	36.3
Louisiana	
Congressional District 1	32.7
Congressional District 2	57.8
Congressional District 3	46.1
Congressional District 4	64.0
Congressional District 5	67.1

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District 6	29.7
Maine	
Congressional District 1	18.8
Congressional District 2	31.4
Maryland	
Congressional District 1	27.1
Congressional District 2	22.7
Congressional District 3	14.6
Congressional District 4	20.3
Congressional District 5	12.2
Congressional District 6	18.7
Congressional District 7	36.3
Congressional District 8	9.5
Massachusetts	
Congressional District 1	33.1
Congressional District 2	21.2
Congressional District 3	20.5
Congressional District 4	11.2
Congressional District 5	10.3
Congressional District 6	15.6
Congressional District 7	26.3
Congressional District 8	16.3
Congressional District 9	21.8
Michigan	
Congressional District 1	38.7
Congressional District 2	33.0
Congressional District 3	32.3
Congressional District 4	41.2
Congressional District 5	43.6
Congressional District 6	37.2
Congressional District 7	33.5
Congressional District 8	16.6
Congressional District 9	26.1
Congressional District 10	29.8
Congressional District 11	10.4
Congressional District 12	20.5
Congressional District 13	60.2
Congressional District 14	45.6
Minnesota	
Congressional District 1	28.7
Congressional District 2	12.6
Congressional District 3	7.6
Congressional District 4	20.3
Congressional District 5	21.0
Congressional District 6	20.4
Congressional District 7	38.0
Congressional District 8	39.6
Mississippi	
Congressional District 1	62.2
Congressional District 2	76.8
Congressional District 3	58.8

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District 4	54.6
Missouri	
Congressional District 1	43.4
Congressional District 2	11.5
Congressional District 3	28.6
Congressional District 4	39.0
Congressional District 5	38.3
Congressional District 6	34.9
Congressional District 7	43.7
Congressional District 8	56.2
Montana	
Congressional District (at Large)	30.4
Nebraska	
Congressional District 1	24.6
Congressional District 2	21.8
Congressional District 3	41.7
Nevada	
Congressional District 1	51.0
Congressional District 2	24.0
Congressional District 3	11.7
Congressional District 4	26.2
New Hampshire	
Congressional District 1	13.0
Congressional District 2	15.8
New Jersey	
Congressional District 1	25.8
Congressional District 2	25.8
Congressional District 3	15.1
Congressional District 4	19.1
Congressional District 5	10.6
Congressional District 6	18.7
Congressional District 7	8.0
Congressional District 8	32.2
Congressional District 9	29.8
Congressional District 10	39.5
Congressional District 11	6.4
Congressional District 12	19.2
New Mexico	
Congressional District 1	35.2
Congressional District 2	53.8
Congressional District 3	48.8
New York	
Congressional District 1	13.2
Congressional District 2	11.9
Congressional District 3	9.5
Congressional District 4	12.8
Congressional District 5	33.0
Congressional District 6	30.5
Congressional District 7	38.3
Congressional District 8	33.4
Congressional District 9	31.8

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District 10	16.9
Congressional District 11	25.6
Congressional District 12	8.2
Congressional District 13	45.0
Congressional District 14	36.0
Congressional District 15	61.6
Congressional District 16	29.6
Congressional District 17	17.6
Congressional District 18	17.9
Congressional District 19	26.8
Congressional District 20	22.9
Congressional District 21	31.8
Congressional District 22	32.0
Congressional District 23	35.0
Congressional District 24	28.9
Congressional District 25	27.8
Congressional District 26	38.3
Congressional District 27	27.5
North Carolina	
Congressional District 1	47.8
Congressional District 2	20.5
Congressional District 3	34.9
Congressional District 4	8.9
Congressional District 5	40.0
Congressional District 6	40.2
Congressional District 7	39.0
Congressional District 8	28.4
Congressional District 9	34.0
Congressional District 10	41.4
Congressional District 11	44.3
Congressional District 12	23.4
Congressional District 13	32.2
North Dakota	
Congressional District (at Large)	27.9
Ohio	
Congressional District 1	28.9
Congressional District 2	31.3
Congressional District 3	35.2
Congressional District 4	34.2
Congressional District 5	26.9
Congressional District 6	48.9
Congressional District 7	38.1
Congressional District 8	29.5
Congressional District 9	40.1
Congressional District 10	32.2
Congressional District 11	53.0
Congressional District 12	17.0
Congressional District 13	38.2
Congressional District 14	22.9
Congressional District 15	27.0
Congressional District 16	20.3

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Oklahoma	
Congressional District 1	34.1
Congressional District 2	68.7
Congressional District 3	48.4
Congressional District 4	39.2
Congressional District 5	41.7
Oregon	
Congressional District 1	10.9
Congressional District 2	28.6
Congressional District 3	18.2
Congressional District 4	24.4
Congressional District 5	20.6
Pennsylvania	
Congressional District 1	12.8
Congressional District 2	46.0
Congressional District 3	40.4
Congressional District 4	12.4
Congressional District 5	26.4
Congressional District 6	20.5
Congressional District 7	26.6
Congressional District 8	35.8
Congressional District 9	36.2
Congressional District 10	28.8
Congressional District 11	30.7
Congressional District 12	35.7
Congressional District 13	39.9
Congressional District 14	36.3
Congressional District 15	40.2
Congressional District 16	35.9
Congressional District 17	23.4
Congressional District 18	32.4
Rhode Island	
Congressional District 1	32.9
Congressional District 2	22.9
South Carolina	
Congressional District 1	19.2
Congressional District 2	32.0
Congressional District 3	48.9
Congressional District 4	34.6
Congressional District 5	42.4
Congressional District 6	60.6
Congressional District 7	45.0
South Dakota	
Congressional District (at Large)	31.9
Tennessee	
Congressional District 1	49.5
Congressional District 2	35.0
Congressional District 3	47.5
Congressional District 4	39.9
Congressional District 5	30.0
Congressional District 6	39.2

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Congressional District 7	37.1
Congressional District 8	40.7
Congressional District 9	62.4
Texas	
Congressional District 1	55.9
Congressional District 2	17.1
Congressional District 3	2.7
Congressional District 4	51.0
Congressional District 5	46.7
Congressional District 6	22.6
Congressional District 7	20.6
Congressional District 8	25.9
Congressional District 9	42.4
Congressional District 10	22.0
Congressional District 11	45.8
Congressional District 12	23.6
Congressional District 13	47.4
Congressional District 14	41.9
Congressional District 15	63.7
Congressional District 16	45.0
Congressional District 17	34.9
Congressional District 18	51.8
Congressional District 19	45.9
Congressional District 20	40.0
Congressional District 21	15.5
Congressional District 22	9.5
Congressional District 23	47.9
Congressional District 24	13.7
Congressional District 25	25.7
Congressional District 26	5.0
Congressional District 27	52.6
Congressional District 28	56.4
Congressional District 29	65.9
Congressional District 30	55.7
Congressional District 31	15.8
Congressional District 32	16.1
Congressional District 33	71.1
Congressional District 34	73.9
Congressional District 35	45.1
Congressional District 36	44.7
Utah	
Congressional District 1	15.1
Congressional District 2	18.6
Congressional District 3	5.4
Congressional District 4	12.4
Vermont	
Congressional District (at Large)	22.0
Virginia	
Congressional District 1	19.5
Congressional District 2	17.7
Congressional District 3	36.5

Most Digitally Distressed Congressional Districts Are Concentrated in the South

Congressional District 4	38.2
Congressional District 5	49.6
Congressional District 6	41.4
Congressional District 7	19.1
Congressional District 8	6.8
Congressional District 9	51.4
Congressional District 10	4.0
Congressional District 11	0.0
Washington	
Congressional District 1	5.8
Congressional District 2	13.0
Congressional District 3	19.7
Congressional District 4	35.7
Congressional District 5	23.9
Congressional District 6	18.4
Congressional District 7	6.2
Congressional District 8	11.0
Congressional District 9	14.1
Congressional District 10	16.8
West Virginia	
Congressional District 1	40.0
Congressional District 2	41.7
Congressional District 3	51.9
Wisconsin	
Congressional District 1	24.5
Congressional District 2	18.1
Congressional District 3	32.6
Congressional District 4	49.0
Congressional District 5	20.6
Congressional District 6	29.8
Congressional District 7	38.1
Congressional District 8	30.0
Wyoming	
Congressional District (at Large)	26.0

Source: JEC Democratic staff calculations based on data from the 2019 5-year American Community Survey.

Notes: Digital distress is calculated from the share of homes not subscribing to any internet or subscribing only through a cellular plan and the share of homes with no computing devices or relying only on mobile phones. This is modeled after the index developed by Dr. Roberto Gallardo at the Purdue Center for Regional Development.

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¹ Gallardo, R. (2019, February 25). Digital distress: What is it and who does it affect? Part 1. Medium. <https://medium.com/design-and-tech-co/digital-distress-what-is-it-and-who-does-it-affect-part-1-e1214f3f209b>.

² Ibid.

³ Vogels, E. (2021, June 22). Digital divide persists even as Americans with lower incomes make gains in tech adoption. Pew Research Center. <https://www.pewresearch.org/fact-tank/2021/06/22/digital-divide-persists-even-as-americans-with-lower-incomes-make-gains-in-tech-adoption>.