

## Supplementary Online Content

Thompson KMJ, Sturrock HJW, Foster DG, Upadhyay UD. Association of travel distance to nearest abortion facility with rates of abortion. *JAMA Netw Open*. 2021;4(7):e2115530. doi:10.1001/jamanetworkopen.2021.15530

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This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1. Reported Abortions, Women of Reproductive Age, Median Abortion Rate, Median Travel Distance, and Median County Proportion of Female Residents With Selected Demographic Characteristics, by US State (2015)<sup>a</sup>**

<b>State</b>	<b>No. of counties</b>	<b>No. of abortions</b>	<b>No. of female residents of reproductive age</b>	<b>Median abortion rate<sup>b</sup></b>	<b>Median proportion ages 25 to 29</b>	<b>Median proportion Black or other race/ethnicity<sup>c</sup></b>	<b>Median proportion married<sup>d</sup></b>	<b>Median proportion with high school degree<sup>e</sup></b>	<b>Median proportion foreign born<sup>f</sup></b>	<b>Median proportion below federal poverty level<sup>g</sup></b>
Total	1 948	428 720	37 276 590	9.9	15.5	4.6	51.5	27.0	2.6	21.3
Alabama	67	6 620	961 050	5.5	15.9	24.7	48.1	27.9	1.7	25.7
Arizona	15	12 640	1 296 680	11.6	16.5	8.0	49.6	26.5	7.4	26.2
Colorado	64	8 970	1 072 350	8.8	15.8	3.2	54.1	22.3	5.2	19.0
Delaware	3	2 890	179 990	17.3	17.0	28.8	46.3	24.8	6.7	17.0
Georgia	159	26 820	2 099 370	14.2	15.5	29.5	46.3	29.4	2.8	27.1
Idaho	44	1 690	311 320	5.5	15.2	3.0	57.4	30.4	4.1	21.4
Illinois	53	34 280	2 499 310	9.9	15.7	7.1	49.7	22.6	2.4	20.1
Indiana	92	9 550	1 291 070	6.0	15.1	2.2	52.7	29.0	1.8	18.7
Kansas	105	3 630	558 930	6.8	15.6	2.8	56.9	22.0	2.2	18.4
Louisiana	64	8 520	939 820	8.0	16.9	32.7	44.0	32.7	1.4	26.0
Michigan	83	26 280	1 892 790	10.7	14.9	3.8	52.8	26.6	1.9	23.1
Minnesota	87	9 230	1 049 650	8.6	15.1	3.5	55.9	22.7	2.3	16.5
Mississippi	82	4 700	601 390	6.9	16.1	38.6	43.4	27.6	0.9	31.0
Missouri	115	8 640	1 175 400	5.7	15.7	3.0	53.4	29.4	1.2	23.6
Nebraska	57	1 890	351 450	6.2	14.9	2.0	58.3	21.7	2.2	17.1
New York	62	88 760	4 048 540	17.9	15.3	7.0	47.0	23.8	4.1	19.0
Ohio	88	21 220	2 214 450	8.7	15.3	4.2	51.9	30.2	1.5	21.3
Oregon	36	7 850	770 670	9.7	16.1	5.7	51.3	27.0	5.2	24.6
Pennsylvania	67	32 030	2 418 790	10.6	15.3	4.3	50.8	31.8	1.7	18.1
South Carolina	46	11 030	937 780	12.1	15.9	35.1	44.2	28.8	2.4	27.2
South Dakota	18	580	124 330	4.1	16.3	5.8	51.5	21.9	1.9	16.5

State	No. of counties	No. of abortions	No. of female residents of reproductive age	Median abortion rate <sup>b</sup>	Median proportion ages 25 to 29	Median proportion Black or other race/ethnicity <sup>c</sup>	Median proportion married <sup>d</sup>	Median proportion with high school degree <sup>e</sup>	Median proportion foreign born <sup>f</sup>	Median proportion below federal poverty level <sup>g</sup>
Texas	254	54 200	5 577 580	10.0	15.6	5.4	52.1	28.4	6.8	21.1
Utah	29	3 120	631 170	3.7	14.7	3.5	58.8	26.4	3.9	16.0
Vermont	14	1 120	116 670	9.5	15.0	3.3	49.8	28.1	3.8	17.4
Virginia	133	18 500	1 677 520	8.6	15.6	16.0	50.0	27.4	3.0	18.2
Washington	39	17 230	1 390 380	12.2	16.2	7.3	51.5	26.1	7.0	21.7
Wisconsin	72	6 720	1 088 170	5.2	14.9	3.1	55.2	26.6	2.2	16.7

<sup>a</sup> Columns may not sum to total due to rounding.

<sup>b</sup> Rates are population-weighted median per 1000 female residents aged 15 to 44.

<sup>c</sup> Includes Asian, Native American, Alaska Native, Native Hawaiian, Pacific Islander, and multiracial residents. Denominator is female residents aged 15 to 44.

<sup>d</sup> Denominator is female residents over age 18.

<sup>e</sup> HS = High school or equivalent degree. Denominator is female residents aged 18 to 44.

<sup>f</sup> Denominator is all female residents.

<sup>g</sup> Denominator is households with female residents aged 15 to 44.

**eTable 2. Estimated Increases in Abortions Under Travel Distance Scenarios, by Travel Distance to the Nearest Abortion Care Facility (n = 3107)**

Travel distance, miles <sup>a</sup>	No. of counties	No. of female residents of reproductive age <sup>b</sup>	Actual travel distance	Travel distance scenario <30 m	Travel distance scenario <5 m		
			No. of abortions	No. of abortions	No. of additional abortions	No. of abortions	No. of additional abortions
Total	3 107	62 539 010	696 470	714 660	18 190	767 390	70 920
<5	107	16 903 950	289 790	289 790	NA	289 790	NA
5 to <15	261	22 987 240	270 550	270 550	NA	285 360	14 810
15 to <30	282	6 922 720	52 980	52 980	NA	66 000	13 020
30 to <60	806	7 208 400	41 800	47 320	5 510	58 940	17 140
60 to <120	1 089	6 705 880	34 520	42 690	8 170	53 180	18 660
≥120	562	1 810 820	6 830	11 330	4 510	14 120	7 290

Abbreviation: NA, not applicable.

<sup>a</sup> To convert to kilometers, multiply by 1.6.

<sup>b</sup> Includes women and girls aged 15 to 44 years.

**eTable 3. Sensitivity Analysis: Decline in County-Level Abortion Rate in a Spatial Poisson Model, by Travel Time to the Nearest Abortion Care Facility (n = 1948)**

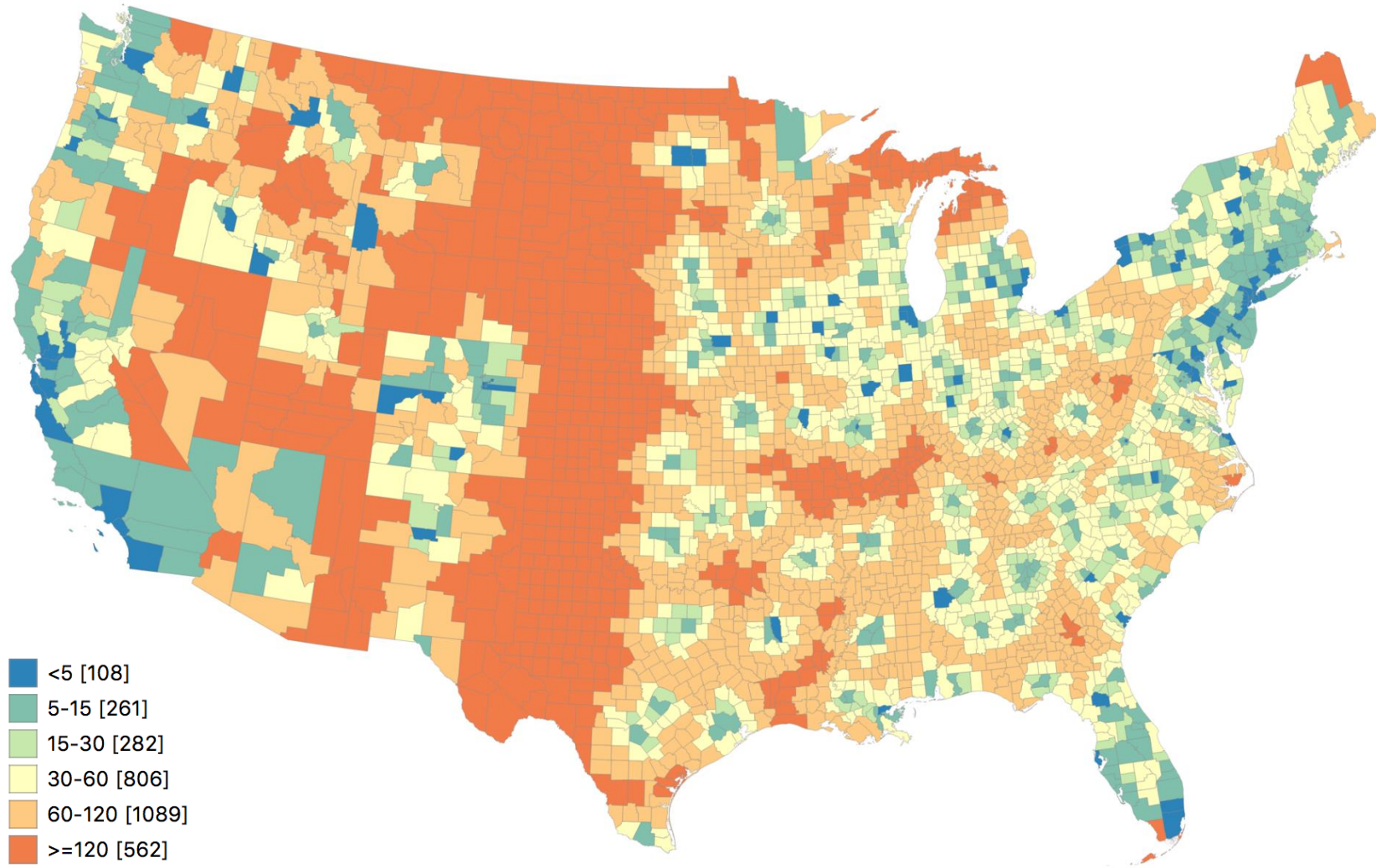
Travel time, minutes	No. of counties	No, of female residents of reproductive age <sup>a</sup>	No. of abortions	Median abortion rate <sup>b</sup>	Range	Coefficient (95% CI)	
						Unadjusted	Adjusted <sup>c</sup>
<5	5	1 248 140	40 270	28.3	25.1 to 63.6	1 [Reference]	1 [Reference]
5 to <15	133	14 650 660	229 090	14.2	1.0 to 35.0	0.58 (0.52 to 0.64)	-0.41 (-0.50 to -0.32)
15 to <30	117	7 199 940	74 310	10.0	0.7 to 19.6	0.24 (0.18 to 0.30)	-0.43 (-0.52 to -0.33)
30 to <60	371	5 937 640	40 950	6.7	0.2 to 22.9	-0.05 (-0.11 to 0.01)	-0.64 (-0.74 to -0.54)
60 to <120	779	5 634 540	32 130	5.3	0 to 19.3	-0.10 (-0.17 to -0.04)	-0.75 (-0.85 to -0.65)
≥120	543	2 605 680	11 970	4.3	0 to 13.0	-0.13 (-0.20 to -0.05)	-0.76 (-0.87 to -0.65)

<sup>a</sup> Includes women and girls aged 15 to 44 years.

<sup>b</sup> Indicates population-weighted travel time category median per 1000 women aged 15 to 44 years.

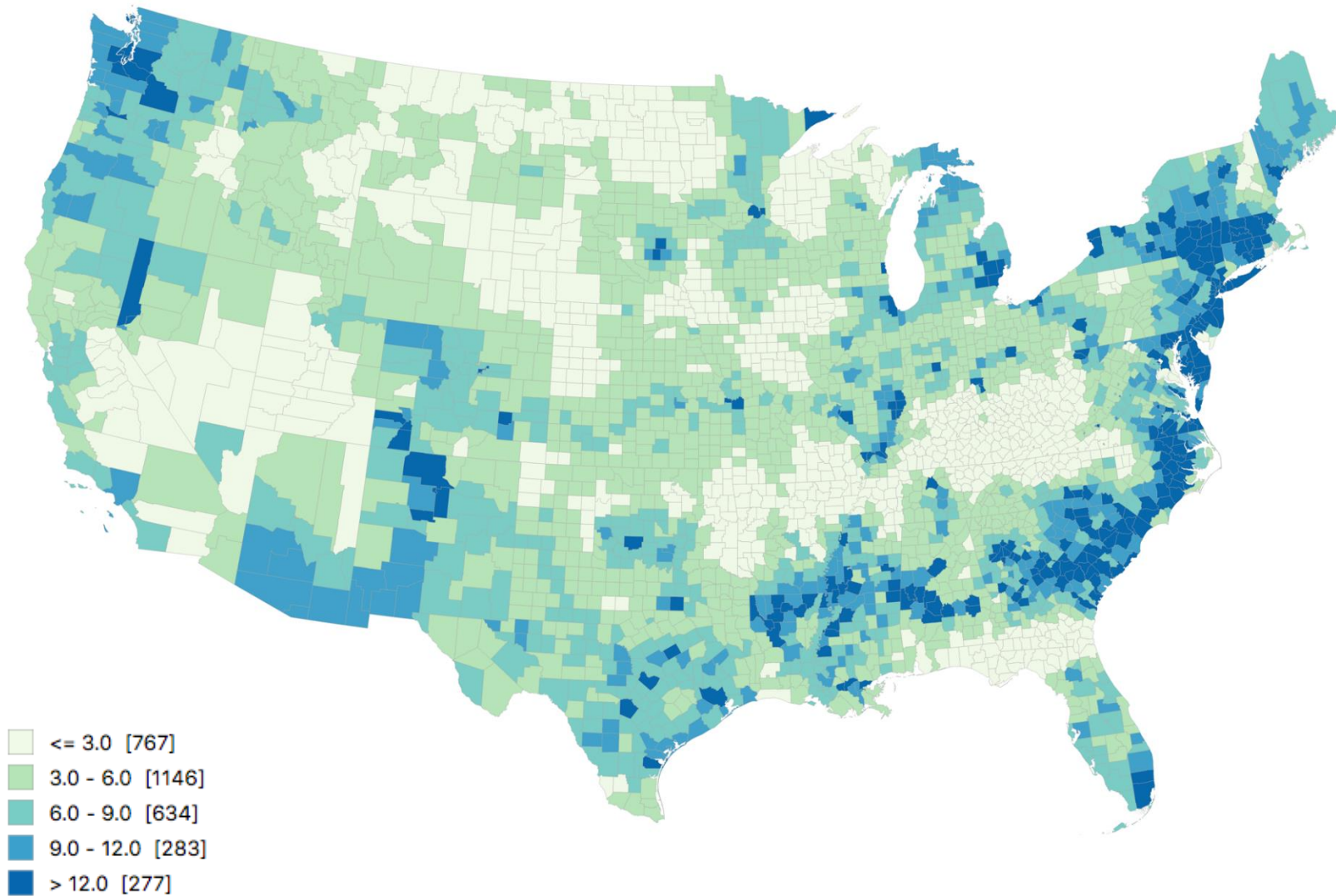
<sup>c</sup> Adjusted for county-level proportion of female residents aged 25 to 29, Black or other race/ethnicity, married, high school degree or equivalent, foreign-born residents, households below the federal poverty level, and state abortion policies.

**eFigure 1. Median Travel Distance in Miles to Closest Abortion Care Facility, by County (2015)**



Note: Conversion factor from miles to kilometers is 1.6.

**eFigure 2. Estimated Abortion Rate per 1000 Female Residents of Reproductive Age in a Scenario With a Maximum Travel Distance of 30 Miles, by County of Residence (2015)**



**eFigure 3. Estimated Abortion Rate per 1000 Female Residents of Reproductive Age in a Scenario With a Maximum Travel Distance of 5 Miles, by County of Residence (2015)**

