

## Supplementary Online Content

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**eTable 1.** Formulas for Measures of Racial/Ethnic Segregation and Interaction at the County Level

**eTable 2.** Association of Racial Segregation With Capacity to Provide Buprenorphine at the County Level, Excluding Opioid Treatment Programs Providing Buprenorphine

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

**eTable 1.** Formulas for Measures of Racial/Ethnic Segregation and Interaction at the County Level

Measure	Formula	Terms
Dissimilarity	$\frac{1}{2} \sum_{i=1}^n \left  \frac{w_i}{W_T} - \frac{b_i}{B_T} \right $	<p><math>n</math> = number of census tracts in county  <math>w_i</math> = number of white residents in tract <math>i</math>  <math>W_T</math> = number of white residents in county  <math>b_i</math> = number of Black/African American or Hispanic/Latinx residents in tract <math>i</math>  <math>B_T</math> = number of Black/African American or Hispanic/Latinx residents in county</p>
Interaction	$\sum \left( \frac{n_{ib}}{N_b} \right) \left( \frac{n_{iw}}{n_i} \right)$	<p><math>n_{ib}</math> = number of Black/African American or Hispanic/Latinx residents in tract <math>i</math>  <math>n_{iw}</math> = number of white residents in tract <math>i</math>  <math>N_b</math> = number of Black/African American or Hispanic/Latinx residents in county  <math>n_i</math> = number of residents in county</p>

**eTable 2.** Association of Racial Segregation With Capacity to Provide Buprenorphine at the County Level,<sup>a</sup> Excluding Opioid Treatment

Programs Providing Buprenorphine

	<b>Unadjusted β (95% CI)</b>	<b>Adjusted (Model 1) β (95% CI)</b>	<b>Adjusted (Model 2) β (95% CI)</b>
<b>Index of Dissimilarity</b>			
Black/African American	3.74 (2.64, 4.84)	2.90 (2.12, 3.69)	----
Hispanic/Latinx	1.61 (0.36, 2.86)	----	-1.15 (-2.71, 0.42)
<b>Index of Interaction</b>			
White residents with African American residents	-12.87 (-17.19, -8.55)	-.814 (-12.62, -3.65)	----
African American residents with White residents	-3.00 (-4.00, -2.01)	-0.86 (-2.17, 0.45)	----
White residents with Hispanic/Latinx residents	-2.50 (-3.42, -1.58)	----	-1.55 (-2.78, -0.33)
Hispanic/Latinx residents with White residents	-3.44 (-6.26, -0.63)	----	-1.00 (-3.98, 1.97)
<b>Urban/Rural Classification</b>			
Metropolitan counties	Referent	Referent	Referent
Micropolitan counties	-0.09 (-0.64, 0.45)	0.30 (-0.22, 0.83)	0.30 (-0.22, 0.83)
Rural counties	-1.16 (-1.61, -0.71)	-0.09 (-0.59, 0.41)	-0.19 (-0.68, 0.30)
<b>Opioid Overdose Death Rate (per 100,000 population)</b>	0.12 (0.10, 0.14)	0.12 (0.10, 0.13)	-0.10 (0.08, 0.11)

<sup>a</sup>Measured in facilities per 100,000 population.