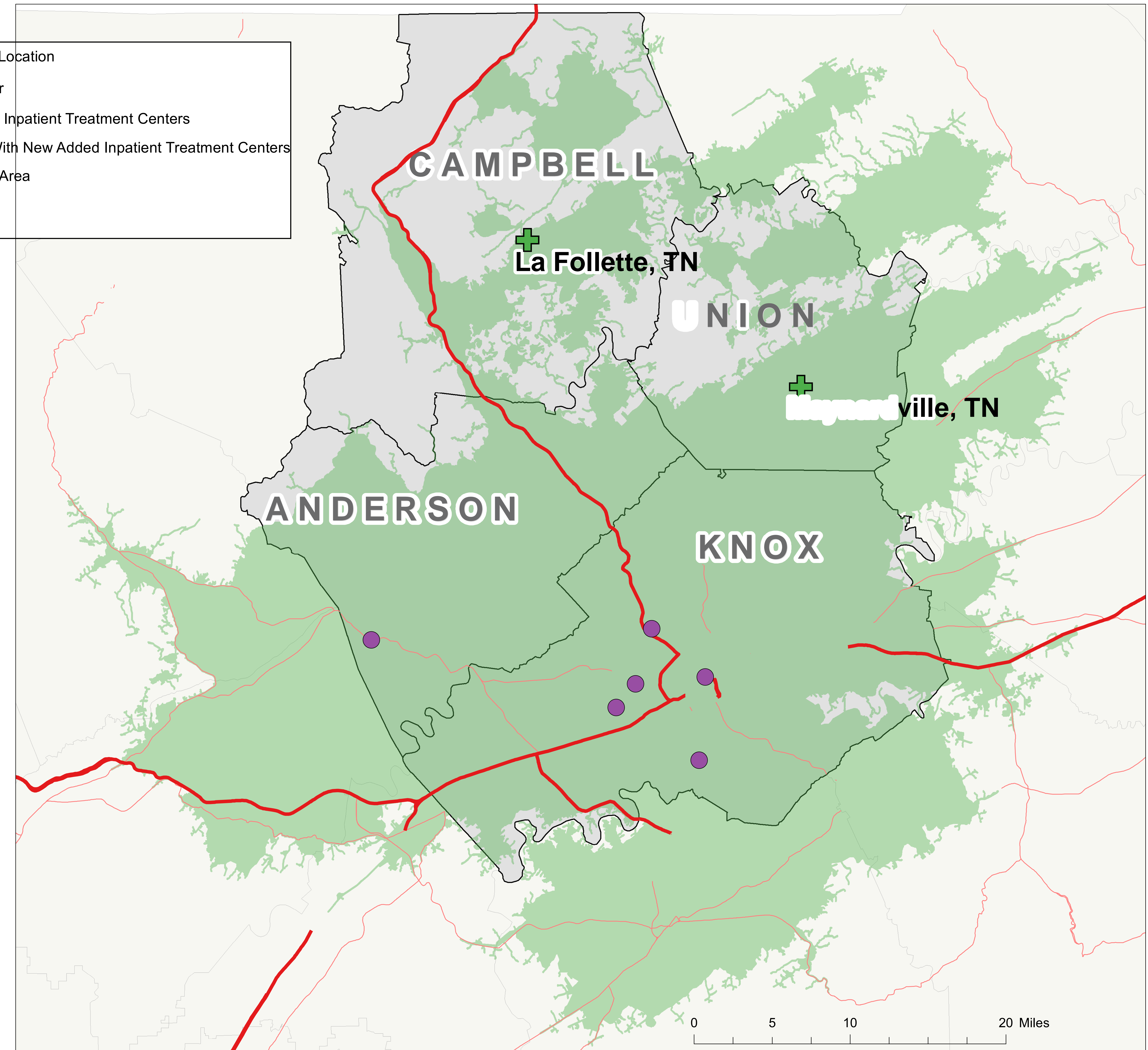
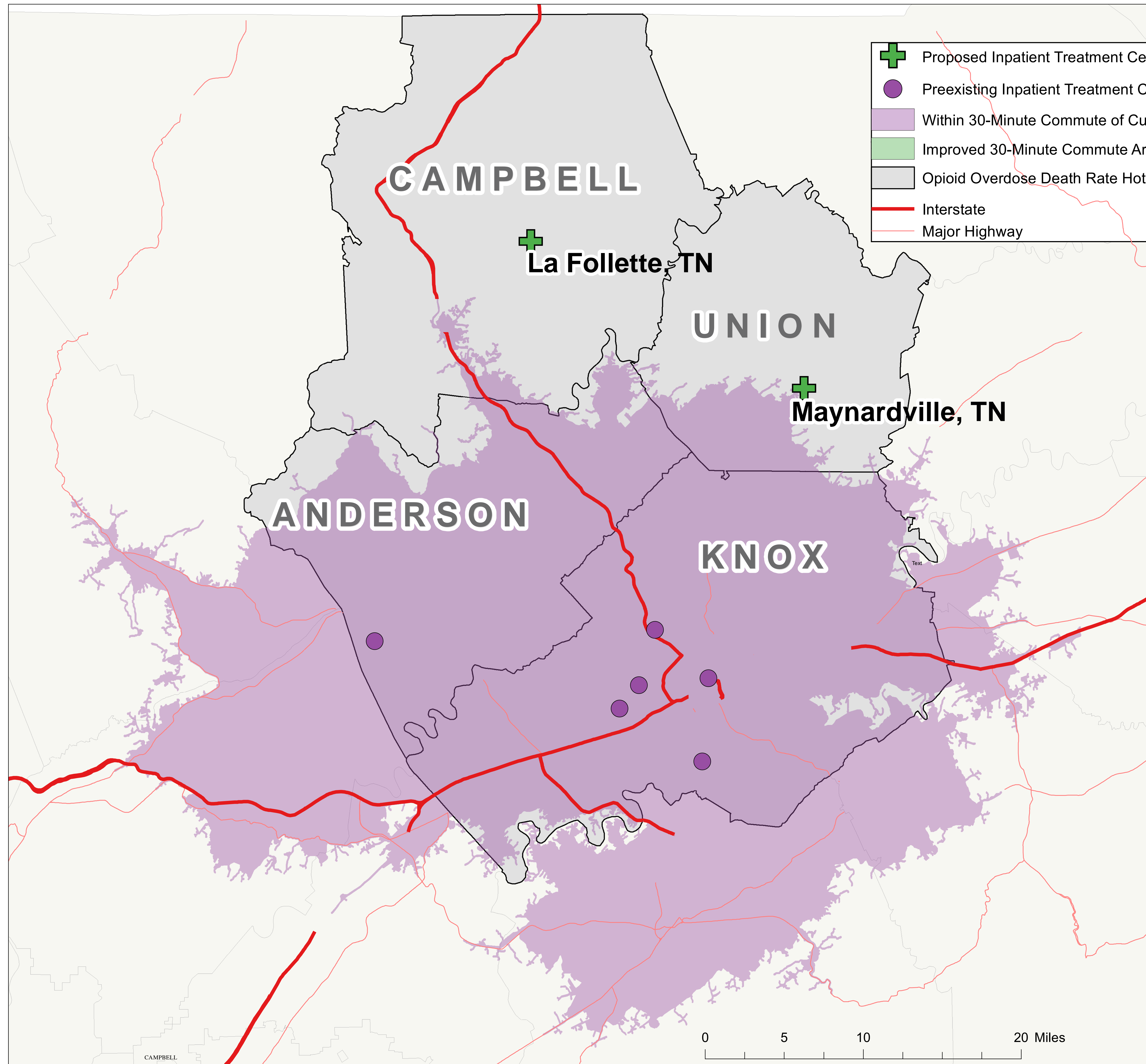
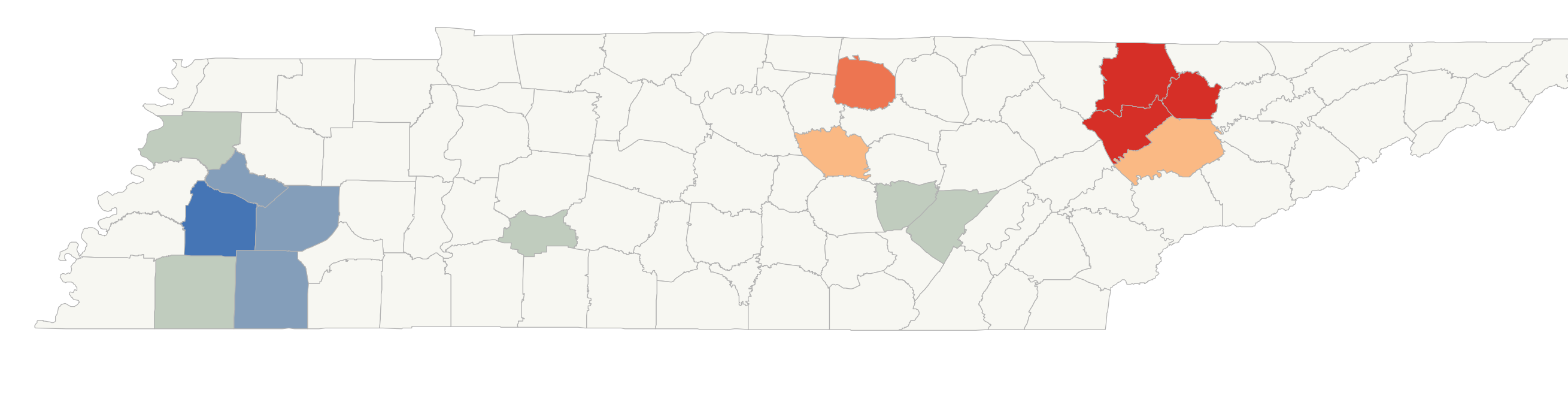


The Geography of Opiate Abuse, Overdose, & Treatment in Tennessee

By David Leventhal, Kali Williams, and Meghan Russell



Opioid Overdose Death Rate Hotspot Analysis



- Hotspot**
- Cold Spot - 99% Confidence
 - Cold Spot - 95% Confidence
 - Cold Spot - 90% Confidence
 - Not Significant
 - Hot Spot - 90% Confidence
 - Hot Spot - 95% Confidence
 - Hot Spot - 99% Confidence

Opioid addiction and overdose has become a national epidemic in the United States over the past 30 years, and Tennessee is one of only 13 states in which doctors issued between 96-143 opiate-based prescriptions per 100 people. The 2016 data shows a highly concentrated area of prescriptions issued in four adjacent counties in Upper East Tennessee - Anderson, Campbell, Knox, and Union - where 526 overdose deaths were reported in 2016 (11.68% of all deaths). On average, 131.5 people died from overdoses, yet the total capacity for inpatient care across all four counties is only 130 patients, 119 of which are in Knox county alone. This map illustrates the significant lack of meaningful inpatient detox and treatment facilities across the region (most notably in Campbell and Union counties) and proposes several locations where inpatient treatment facilities could be most easily accessible for Tennesseans struggling to overcome their addiction to opiate-based prescription painkillers.

Data Sources

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