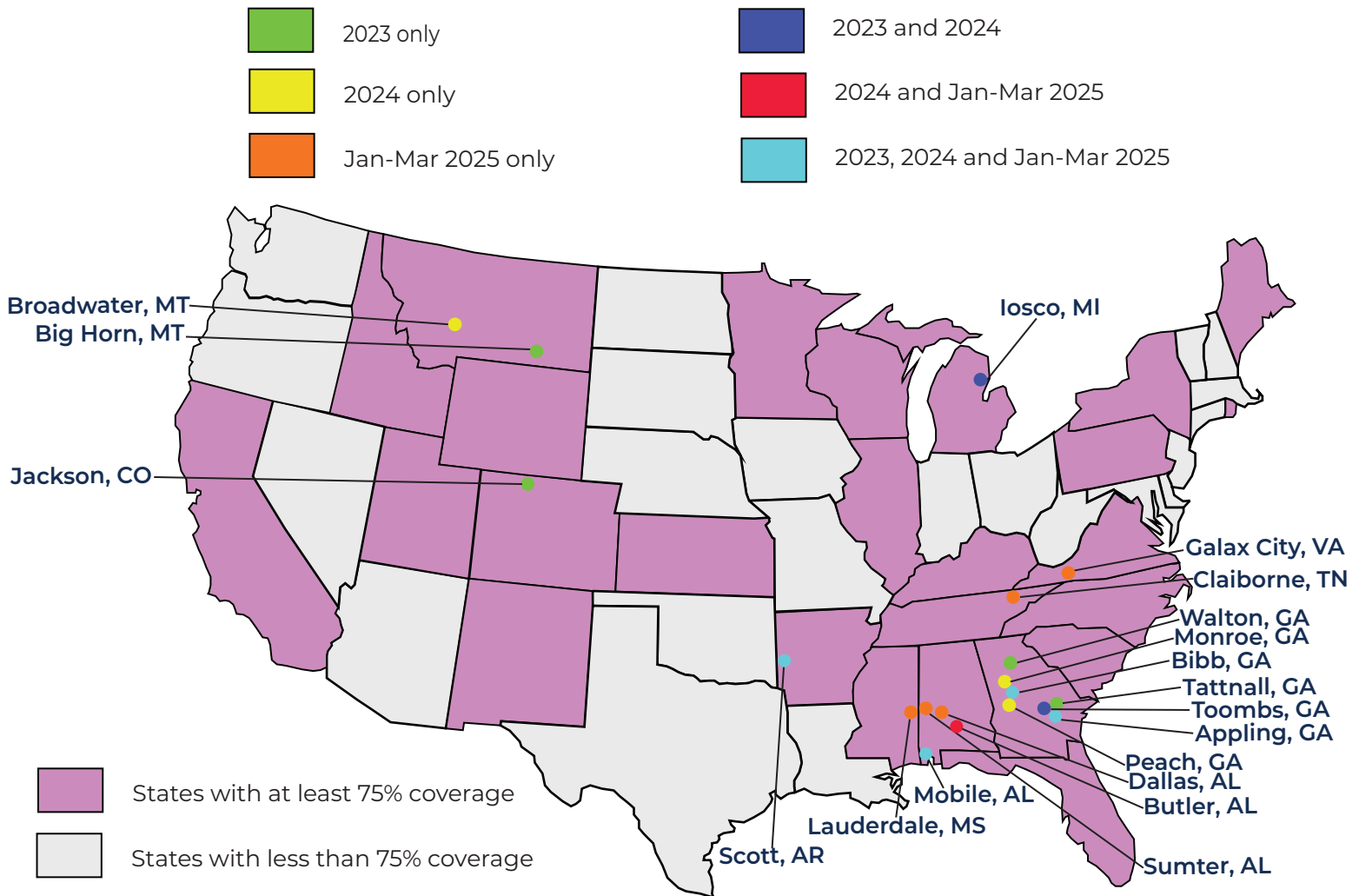


## NDEWS Special Report

### EMS encounters for nonfatal methamphetamine-related overdoses in the US January 1, 2023 - March 31, 2025

In this week's report, NDEWS highlights observations from biospatial.io detailing the EMS encounters for nonfatal methamphetamine-related overdoses in the US from 2023 to 2025. **The data shows that counties with the highest rates of EMS encounters for nonfatal methamphetamine-related overdose encounters over 27 months were heavily concentrated in the southeastern US.** Among US states with at least 75% coverage, there were 735,651 EMS encounters in response to nonfatal methamphetamine-related overdose encounters.

### US counties with the highest rate of EMS encounters for nonfatal methamphetamine-related overdoses per 10,000 population January 1, 2023 - March 31, 2025



**US counties with the highest rate of EMS encounters for nonfatal  
methamphetamine-related overdoses per 10,000 population  
January 1, 2023 - March 31, 2025  
n = 735,651**

**2023  
n = 317,037**

**2024  
n = 341,493**

County	EMS encounters per 10,000 population	EMS encounters	County	EMS encounters per 10,000 population	EMS encounters
Bibb, GA	254.82	3,892	Iosco, MI	266.51	670
Scott, AR	170.21	173	Scott, AR	264.66	269
Tattnall, GA	163.61	415	Bibb, GA	263.46	4,024
Jackson, CO	122.39	17	Butler, AL	141.51	276
Appling, GA	117.33	215	Mobile, AL	119.16	4,918
Walton, GA	110.35	1,069	Appling, GA	117.33	215
Iosco, MI	105.81	266	Toombs, GA	110.11	297
Toombs, GA	95.65	258	Broadwater, MT	96.21	62
Mobile, AL	93.21	3,847	Peach, GA	86.94	243
Big Horn, MT	88.8	116	Monroe, GA	83.45	234

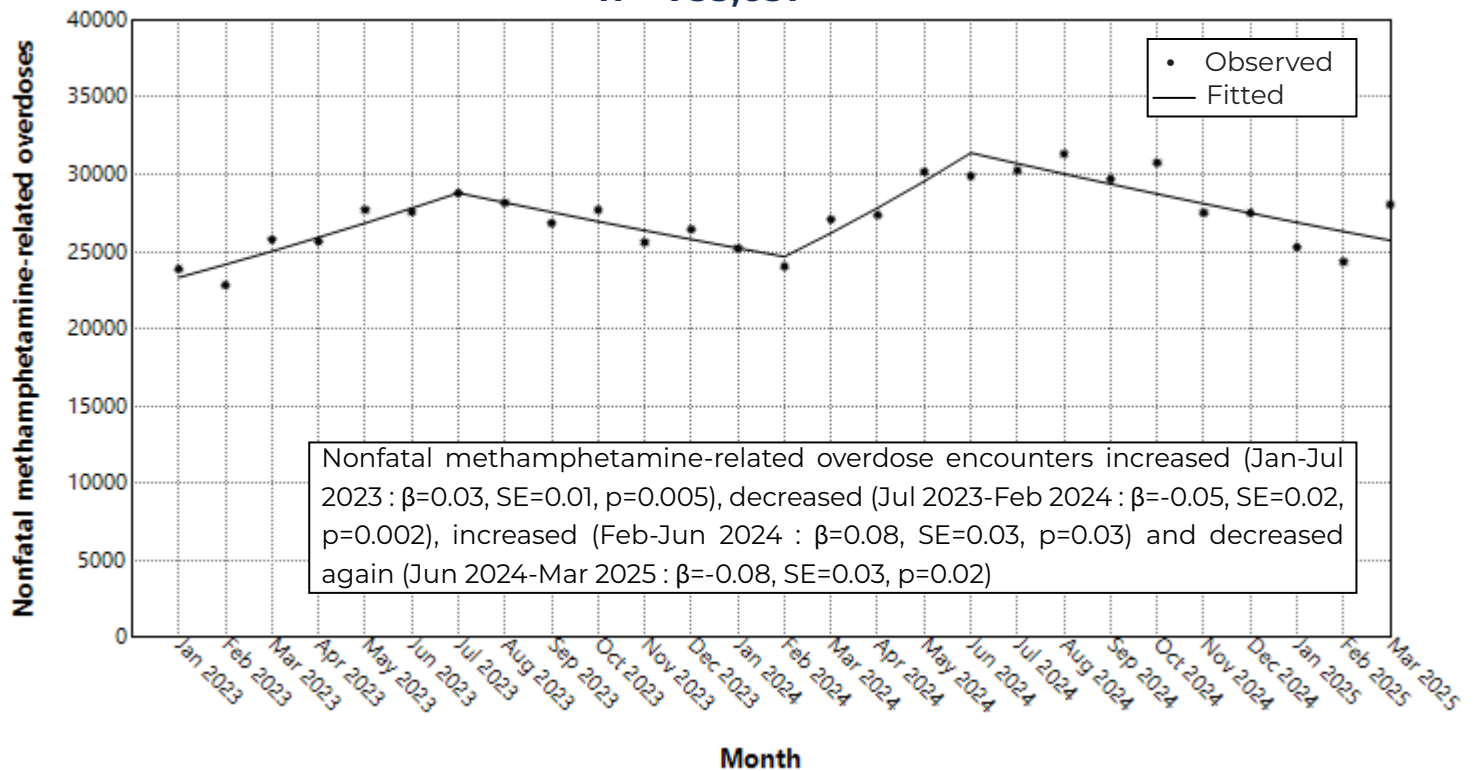
**Jan - Mar 2025  
n = 77,121**

County	EMS encounters per 10,000 population	EMS encounters
Scott, AR	62.97	64
Bibb, GA	60.5	924
Lauderdale, MS	53.29	393
Dallas, AL	36.57	132
Sumter, AL	31.08	38
Butler, AL	30.76	60
Appling, GA	28.38	52
Mobile, AL	27.33	1,128
Galax City, VA	23.82	15
Claiborne, TN	21.86	70

\*Note: EMS encounters reflect state clustering

See page 3 for trend analysis

## Trends in EMS encounters in the US for nonfatal methamphetamine-related overdoses by month: A joinpoint analysis January 1, 2023 - March 31, 2025 n = 735,651



Joinpoint regression\*\* version 5.3.0 (National Cancer Institute, 2024) was used to examine trends.

**Nonfatal methamphetamine-related overdose EMS encounters** were included if the Chief complaint/Narrative in the Narrative Text Search contained “speed”, “meth” or “methamphetamine”

All dispatch types above follow the guidelines set by the National Emergency Medical Services Information System (NEMSIS). Data is limited to 28 US states/districts with statewide partnerships with biospatial.io: Alabama, Alaska, Arkansas, California, Colorado, District of Columbia, Florida, Georgia, Idaho, Illinois, Kansas, Kentucky, Maine, Michigan, Minnesota, Mississippi, Montana, New Mexico, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina, Tennessee, Utah, Virginia, Wisconsin, and Wyoming.

States included in this report met or exceeded a 75% coverage during the surveillance period, indicating that biospatial.io has received at least 75% of the expected data for the given time and region.

**\*\*Joinpoint regression**, also known as broken line, piecewise, multi-phase, or segmented regression, fits weighted least-square regression models to rates or counts on a log transformed scale. It also uses Monte Carlo permutation tests with a Bonferroni correction for multiple testing and identifies models with the best-fit set of joinpoints. These are points ( or knots) in trends that indicate significant shifting points. Poisson models were specified under the assumption of non-constant variance or heterogeneity over time.