

## NDEWS Special Report

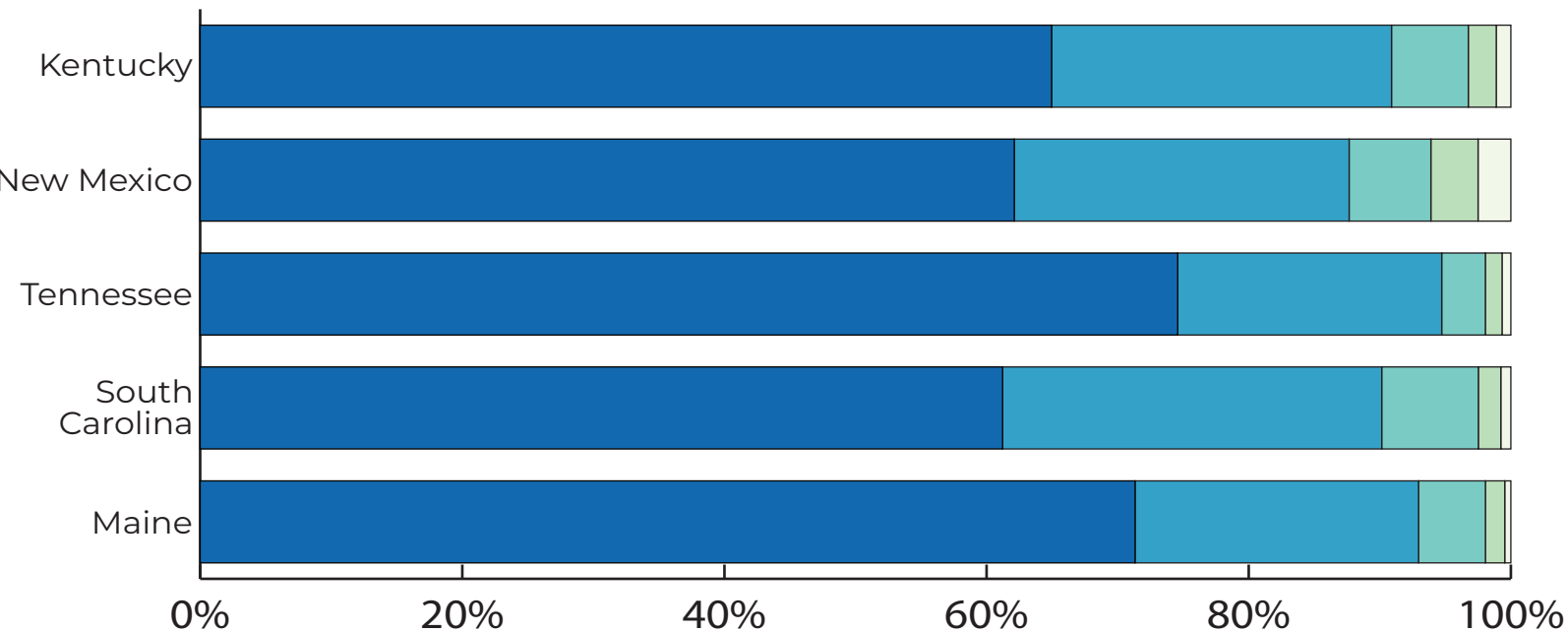
January 1 – December 31, 2023:

### Naloxone utilization in nonfatal opioid overdose-related 911 dispatches

In this week’s report, NDEWS highlights observations from biospatial detailing the utilization of naloxone among opioid-involved nonfatal overdoses. Between January 1st and December 31st, 2023, there were a total of 318,361 opioid-involved nonfatal overdoses identified in biospatial. Among states with at least 75% coverage, the five with the highest rate of nonfatal opioid overdose dispatches per 10,000 population are shown below (Kentucky, New Mexico, Tennessee, South Carolina, and Maine). The stacked bar chart illustrates the frequency of each dose (unit) of naloxone administered per patient. Records with missing data for dose were excluded. The table on page 2 details the incident patient disposition for each dispatch across these same states.

**Frequency of doses of naloxone administered by EMS for nonfatal opioid overdose in states with the highest rate of EMS dispatches**

■ 1   ■ 2   ■ 3   ■ 4   ■ 5



## Patient disposition for incident

	Kentucky	New Mexico	Tennessee	South Carolina	Maine
Treated, transported by the dispatched EMS unit	79.7%	62.4%	89.6%	75.8%	67.7%
Treated, transferred to another EMS unit	1.4%	21.6%	0.2%	9.3%	5.3%
Treated, released AMA	11.7%	10.0%	5.2%	9.0%	17.2%
Refused care, not transported	5.2%	4.6%	4.0%	3.5%	8.5%
Other	2.0%	1.4%	1.0%	2.4%	1.3%

**Opioid-related dispatches** were defined based on the Enhanced State Opioid Overdose Surveillance (ESOOOS) criteria as defined by the state of Rhode Island, intended to detect incidents involving opioid overdose. States included in this report met or exceeded a 75% Underlying Event Coverage (UEC) during the surveillance period, indicating that biospatial has received at least 75% of the expected data for the given time and region.

27 states have state-wide partnerships with biospatial, and include Alabama, Alaska, Arkansas, California, Colorado, 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.