

NDEWS Special Report

January 1 – October 31, 2024:

Percent of the time naloxone was administered in nonfatal fentanyl overdose-related 911 dispatches

In this week’s report, NDEWS highlights observations from biospatial detailing the utilization of naloxone among fentanyl-involved nonfatal overdoses. Among counties with at least 75% coverage, the ten with the highest rate of nonfatal fentanyl overdose dispatches per 10,000 population are listed below. The table below shows the percent of the time naloxone was administered among the ten counties with the highest rate of nonfatal fentanyl overdose dispatches per 10,000 population.

The top three routes of administration for naloxone among fentanyl-involved nonfatal overdoses identified by biospatial are intravenous, intramuscular and intranasal.

County, nonfatal fentanyl OD count per 10,000 population, nonfatal fentanyl OD count, and percent of the time naloxone was administered

County	Nonfatal fentanyl OD count per 10,000 population	Nonfatal fentanyl OD count	Percent of the time naloxone was administered	County	Nonfatal fentanyl OD count per 10,000 population	Nonfatal fentanyl OD count	Percent of the time naloxone was administered
San Francisco, CA	22.52	1,952	80%	Valencia, NM	13.41	104	53%
Swain, NC	19.04	27	56%	Grant, NM	12.96	35	83%
Denver, CO	16.55	1,217	71%	Gaston, NC	12.23	277	74%
Clarke, GA	14.16	181	74%	Jones, NC	11.89	11	100%
Anchorage Municipality, AK	13.58	390	78%	Colfax, NM	11.74	14	71%

Fentanyl-related dispatches were defined based on the Enhanced State Opioid Overdose Surveillance (ESOOS) criteria as defined by the state of Rhode Island, intended to detect incidents involving fentanyl overdose. Fentanyl overdoses are a part of opioid overdoses. States/Counties 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.

Naloxone Administration Dosage is extracted from the EMS record's medication fields (V2: E18; V3: eMedications) and computes the total naloxone administration dosage in milligrams (mg). Note that this computation does not consider the record narrative.

All dispatches above follow the guidelines set by the National Emergency Medical Services Information System (NEMSIS). 28 states/districts have state-wide partnerships with biospatial, and include 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.