

<u>NDEWS Hotspot Alerts</u> is a dynamic notification system of biospatial.io that quantifies the degree to which observed 911 dispatch rates deviate from expected ranges of values over an 84-day window. During the two-week period of April 9–April 28, 2022, eight counties had higher-than-expected rates of drug-related dispatches: Alameda, CA; Brevard, FL; Denver, CO; Maricopa, AZ; Riverside, CA; Pasco, FL; Pinellas, FL; and Sacramento, CA.

County, state	County-level NDEWS Hotspot Alerts for increases in 911 dispatches							
	Opioid-related		Heroin-related		Methamphetamine- related		Non-opioid-related	
	Date	Count	Date	Count	Date	Count	Date	Count
Alameda, CA	-	-	-	-	-	-	4/14/22	14
Brevard, FL	4/17/22	14	-	-	-	-	-	-
Denver, CO	-	-	-	-	-	-	4/12/22	13
Maricopa, AZ	-	-	-	-	4/20/22	10	-	-
Riverside, CA	-	-	4/16/22	14	-	-	-	-
Pasco, FL	-	-	-	-	-	-	4/23/22	14
Pinellas, FL	4/9/22	30	-	-	-	-	4/11/22	30
Sacramento, CA	-	-	4/22/22	19	-	-	-	-

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Updated 4/28/2022

Data are available for 66% of all EMS responses in the US, with full coverage in 24 states; 75% of the data reported within 24 hours of event. **Source: biospatial.io, 2022.** NDEWS is funded by the National Institute on Drug Abuse to the University of Florida (PI: Cottler, Co-Is: Goldberger, Nixon, Striley), New York University (Co-I: Palamar), and Florida Alantic University (Co-I: Barenholtz). Designed by Andrew Mike

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HOTSPOT ALERTS April 9–28, 2022

911 dispatch type	Description of dispatch					
Opioid-related	Based on the Enhanced State Opioid Overdose Surveillance					
	(ESOOS) criteria as defined by the state of Rhode Island,					
	intended to detect incidents involving opioid overdose.					
Heroin-related	Based on the Enhanced State Opioid Overdose Surveillance					
	(ESOOS) criteria as defined by the state of Rhode Island,					
	intended to detect incidents involving heroin overdose.					
Methamphetamine-	Based on incidents involving methamphetamine due to terms					
related	and phrases found in the record narrative and chief complaint					
	elements.					
Non-opioid-related	Based on the Virginia Department of Health criteria for					
	incidents involving non-opioid overdoses. Indicates events					
	where naloxone administration response is unchanged or					
	worse, including the use of cannabis, cocaine, LSD, Tramadol,					
	methadone, and psychodysleptics.					
All dispatch types above follow the guidelines set by the National Emergency Medical						
Services Information System (NEMSIS)						
Data is limited to 24 US states with statewide partnerships with biospatial.io: Alabama,						
Alaska, Arkansas, California, Colorado, Florida, Georgia, Idaho, Illinois, Kansas, Kentucky,						
Maine, Michigan, Mississippi, Montana, New Mexico, New York, Rhode Island, South						
Carolina, Tennessee, Utah, Virginia, Wisconsin, and Wyoming.						

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