SAPC Data Brief

Methamphetamine Misuse/Abuse and Consequences

April 2024

Substance Abuse Prevention and Control (SAPC)

Availability Nationwide drug seizures (in pounds), U.S., FY1314-FY22231



Domestic meth seizures increased in the US following FY1819, then declined after FY2021

Healthcare Utilization

Meth-related^a hospitalizations and ED visits, Los Angeles County (LAC), 2011-202114



Meth-related hospitalizations and ED visits increased from 2011-2017 and has remained high in LAC

Prevalence Lifetime, past year, and past month



Meth use increased with age, peaking at age 35-49, and then decreased

Health Conditions

COUNTY OF LOS ANGELES

Increased risk of adverse outcomes associated with meth use (vs. non-use)

Depression ³	1.3 times
HIV infection ⁴	1.5 times
Heart attack ⁵	1.6 times
Suicide attempt ³	1.7 times
Heart failure6	1.8 times
Stroke ⁷	1.9 times
Parkinson's disease8	2.8 times
Preterm birth9	3.1 times
Hepatitis C virus infection ¹⁰	3.4 times
Low birth weight ¹¹	3.5 times
Psychosis ³	5.3 times
Placental abruption9	5.6 times
Dental problems ¹²	6.6 times
Schizophrenia ¹³	9.4 times

Meth use is associated with many adverse health outcomes

Deaths

Meth overdose-related deaths, LAC, 2011-2021¹⁵

------ Percent of drug deaths Number of meth deaths 1 333% 1,371% 1,400 60% 2011 to 2021 2011 to 2021 1.200 50% 1,000 40% 800 30% 600 20% 400 10% 200 0% 0 · 2015 2010 .2017 · 2018 2010 2014 2012 . 2019 · 2020 2027

Meth-related deaths and its percent of all drug deaths in LAC increased from 2011-2021

Meth overdose-related deaths by opioid involvement, LAC, 2011-2021¹⁵



Over half of meth-related deaths in 2021 involved synthetic opioids (fentanyl)

^a Meth-related includes records listing methamphetamine abuse, use, dependence, or poisoning (excluding in remission) as a diagnosis or an external cause of injury.^b Rx opioids includes natural/semi-synthetic and methadone.



Treatment admissions for meth steadily increased and became the most common drug problem in FY1819

Treatment Admissions

Race/ethnicity among patients with primary meth problem, LAC, FY2223¹⁶



Latinx accounted for the largest number, while Blacks had the highest rate of primary meth admissions in LAC Meth use before/during sex among patients with primary meth problem, LAC, FY2223¹⁶



Diagnosed STDs among patients with primary meth and non-meth problem, LAC, FY222316



Primary meth clients had higher rates of STDs than clients with other primary drug problems in LAC

For substance use disorder treatment in LAC, call the Substance Abuse Service Hotline (SASH) at 844-804-7500, or visit Service & Bed Availability Tool (SBAT) For more information on substance use disorders in LAC, visit http://publichealth.lacounty.gov/sapc. For more data on methamphetamine in LAC, visit data story. For more information regarding this data brief, please contact Tina Kim, PhD at tkim@ph.lacounty.gov

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Availability

Most of the methamphetamine (meth) available in the United States is now produced in Mexico and smuggled through the Southwest Border¹⁷. According to the U.S. Customs and Border Protection¹, meth seizures increased by 715% from 23,543 pounds in FY1314 (fiscal year from October to September) to 191,834 pounds in FY2021, then decreased by 27% in FY2223. Meth seizures increased more rapidly than cocaine and heroin.

The majority of drug seizures for meth in the U.S. occur in the western/midwestern regions. In 2022, Los Angeles was among the cities with the highest percentages of all drugs seized and submitted to forensic laboratories that were identified as meth at 63%, which was higher than the national average of 29%¹⁸.

Healthcare Utilization

According to the Department of Health Care Access and Information (HCAI)¹⁴, hospital discharge records listing any methrelated diagnosis or external cause of injury (i.e., abuse, use, dependence, or poisoning) in LAC increased by 191% from 7,090 in 2011 to 20,639 in 2021. The number of meth-related ED visits in LAC increased by 229% from 7,017 in 2011 to 23,064 in 2021.

Meth-related ED visits occurred mostly among males, Latinx, and those aged 18-34 years. Meth-related hospitalizations occurred mostly among males, Latinx, and those aged 35-54 years.

The mean charge for meth-related hospitalizations increased by 45% from \$47,265 in 2011 to \$68,492 in 2021 (adjusted for inflation to 2022 US dollars). Total hospital charges for meth-related hospitalizations in LAC increased by 322% from \$335 million in 2011 to \$1.4 billion in 2021. Meth-related hospitalizations in LAC resulted in \$10.3 billion in total charges from 2011 to 2021.

According to the Los Angeles County Participant Reporting

LAC for a primary meth problem has been increasing since

In FY1819, meth surpassed heroin and became the most

FY1213 (fiscal year July to June).

treatment admissions.

System and Sage data¹⁶, the proportion of admissions to publicly

funded substance used disorder (SUD) treatment programs in

common reported drug problem at admission to publicly funded

SUD treatment programs in LAC, and remained the top drug

problem thereafter. In FY2223, meth accounted for 30% of

According to death certificate data from the Centers for Disease Control and Prevention¹⁵, the number of deaths in LAC listing drug overdose as the underlying cause of death with meth poisoning as a cause of death increased 1,371% from 88 in 2011 to 1,294 in 2021.

Prevalence

According to the 2022 National Survey on Drug

Use and Health², among individuals aged 12+,

about 16,588,000 (5.9%) had ever used meth,

1,685,000 (0.6%) used meth in the past month,

Meth use increased with age and was highest for

those aged 35-49 years. According to the 2021

Youth Risk Behavior Survey¹⁹, ever use of meth

among high school students in LAC (2.0%) was

2,705,000 (1%) used meth in the past year,

and 176,000 initiated meth use in the U.S.

higher than the national average (1.8%).

The percent of all underlying drug overdose deaths that listed meth poisoning as a cause of death increased from 13% in 2011 to 56% in 2021.

Meth overdose deaths in LAC greatly increased for all racial/ethnic groups over the last five years. Sharp increases occurred for all race/ethnicities from 2019 to 2021, particularly for Blacks.

Treatment Admissions

In FY2223, Latinx (65%) patients accounted for the largest proportion of SUD treatment admissions with meth as the primary drug problem, followed by White (17%), Black (14%) and Asian/Pacific Islander (2%) clients.

The rate of primary meth admissions was highest among Black patients (323), followed by Latinx clients (257), White (108) and Asian/Pacific Islander (26) patients per 100,000 population aged 12 or older in FY2223. In FY2223, 62% of patients who reported meth as their primary drug problem had used meth before or during sex in the

Compared to patients who reported other primary drug problems, primary meth patients had higher rates of diagnosed chlamydia (1.4% vs. 0.8%), gonorrhea (1.0% vs. 0.5%), syphilis (1.4% vs. 0.4%), and herpes (0.7% vs 0.4%).

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Health Conditions

Meth use is associated with increased risk of cardiovascular and cerebrovascular conditions (e.g., heart attack⁵, heart failure⁶, stroke⁷), brain conditions (e.g., psychosis³, depression³, suicide attempt³ Parkinson's disease⁶, schizophrenia¹³), blood-borne and sexually transmitted infections (e.g., HIV⁴, hepatitis C virus¹⁰), adverse birth outcomes (e.g., preterm birth⁸, placental abruption⁹, low birth weight¹¹), dental problems¹², and other adverse health conditions.



opioids since 2016. As of 2021, more

may include illicitly manufactured

However, regardless of opioid

fentanyl).

2021.

past year.

than half (55%) of meth overdose deaths co-occurred with synthetic opioids (which

involvement, meth overdose deaths have

steadily increased since 2010 and remain

high. Specifically, meth overdose deaths

(not including opioids) increased by 52%

from 332 deaths in 2019 to 506 deaths in

