

INTRODUCTION

The opioid epidemic was one of the most discussed and divisive issues within healthcare in the United States before the beginning of the COVID-19 pandemic.

As of early 2020, the nation had just experienced its most devastating year on record for opioid overdose deaths.¹ Simultaneously, the COVID-19 pandemic emerged, and subsequent data revealed an alarming acceleration in opioid-related fatalities, surpassing the already concerning pre-pandemic trend.

This scoping review aimed to conduct a qualitative thematic analysis to uncover the underlying reasons and contributing factors behind the surge in opioid overdose deaths during the COVID-19 pandemic.

METHODS

- Following Arksey and O'Malley's² five-step protocol for scoping reviews, we formulated the question: "Compared to the period before the COVID-19 pandemic, what contributed to the increase in opioid overdoses in the United States?"
- Inclusion criteria stipulated that articles be conducted and published within the United States between March 2020 and July 2021 and contain the terms 'COVID-19' in conjunction with 'opioid overdose,' 'opioid overdose response,' or 'opioid use disorder'.
- Out of 883 screened articles retrieved from the four databases utilized, 44 met these criteria and were included in the scoping review (*Figure* 1). These studies were categorized by region, study design, and the specific issues they addressed.

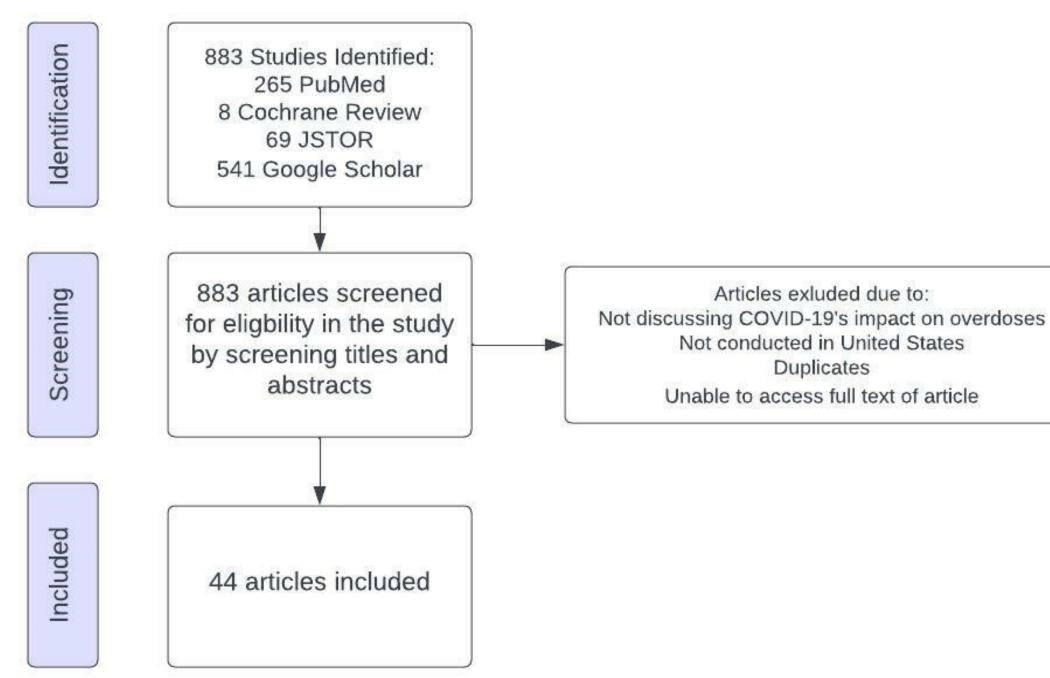


Figure 1. Flow diagram outlining the databases used in the scoping review; title and abstract screening; and total number of articles included within the review.

Factors Contributing to Increased Opioid Overdoses in the COVID-19 Pandemic: A scoping review

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RESULTS AND DISCUSSION

This scoping review identified prominent contributors to the surge in opioid overdoses during the pandemic:

Stigma, Social Isolation, Mental Health

- Isolation and reduced socialization are known to be powerful triggers for drug relapse, especially when combined with heightened negative emotions.
- Delayed prompt naloxone administration substantially elevating the risk of fatality.

Disruption in Drug Supply and the Rise of Fentanyl

- Widespread disruptions in the drug supply have led to a dangerous surge in fentanyl additives in both opioid and non-opioid substances, as well as disrupted, inconsistent use.
- Simultaneous loss of access to fentanyl test strips at local harm reduction centers, further increasing their risk of overdose.

Lack of Access to Medical Care

- Individuals who received naloxone often hesitated to seek further medical assistance due to stigma and COVID-19 concerns, resulting in a rise in cases of refused EMS transport (a 71% increase from nonpandemic years).³
- Medical triage became increasingly weighted during the pandemic with addiction treatment cited as a relatively low priority (Volkow, 2020).4

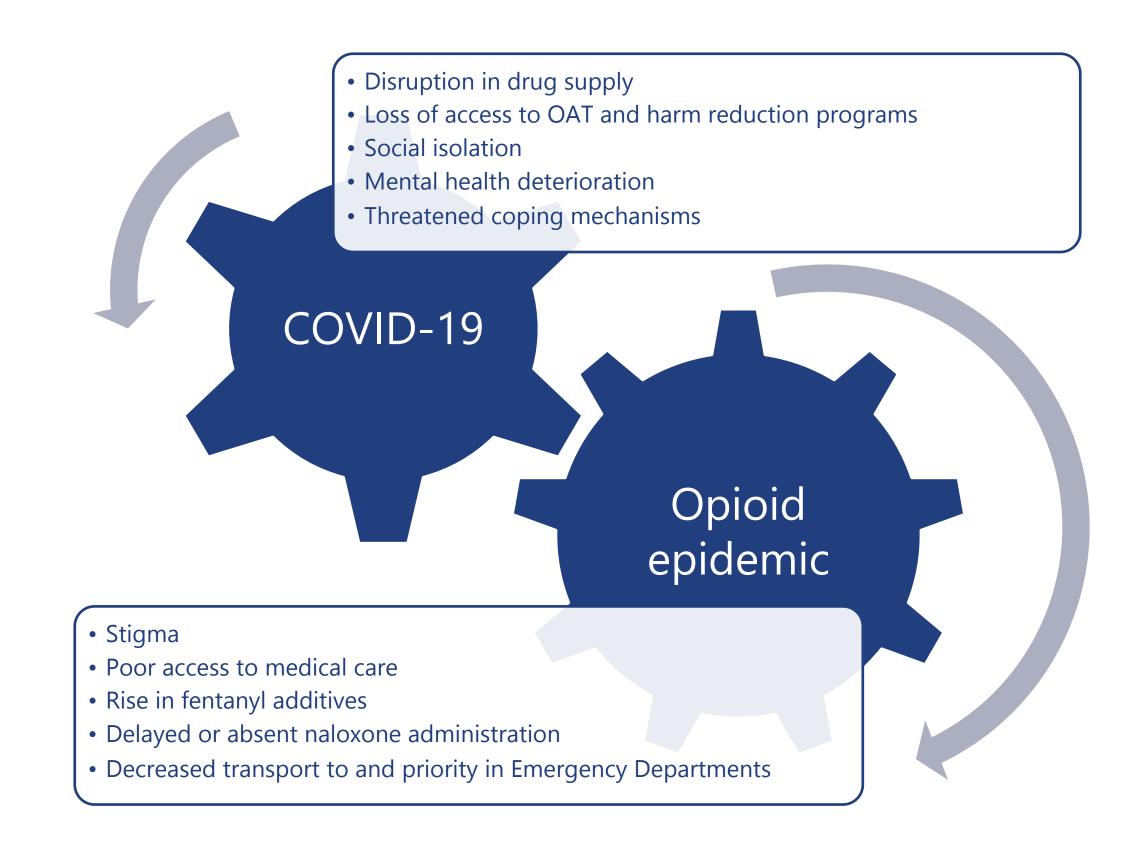
Lack of Access to Opioid Agonist Therapy

- The additional globally-reduced access to OAT programs during the COVID-19 pandemic compounded to only further push away access to medical care in this population.
- Closure of OAT support programs during the pandemic, despite SAMHSA allowing buprenorphine prescriptions in the ED.
- Daily de-stigmatized medications were dispensed in significantly larger quantities to reduce pharmacy visits, but this option was not broadly available to medications like buprenorphine or methadone.⁵

"Epidemics don't smolder in pandemics, they ignite"

during overdoses,

- Dr. Utsha G. Khatri



CONCLUSION

- existing problems.
- to opioid abuse and access to treatment.
- form being included in the study.
- addressing this crisis.

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• Opioid overdoses surged during the pandemic due to a combination of new issues emerging from the pandemic and the intensification of

• These findings offer potential targets for future programs aimed at addressing the nation's exponentially growing opioid epidemic.

• We have an opportunity to reevaluate and adjust the nation's approach

• Acknowledging the rapidly evolving nature of the pandemic and the limitation of available data, we set a cutoff date for article inclusion in July 2021, coinciding with the review's start. This eliminated new data

• The results presented here provide critical insights into the fundamental issues surrounding the nation's opioid overdose epidemic, offering a robust foundation for the necessary next steps in

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