

# Research finds decline in drug overdose mortality rates in eastern Kentucky counties

21 May 2021, by Beth Bowling



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Researchers at the University of Kentucky Center of Excellence in Rural Health (UK CERH) and the Walsh Center for Rural Health Analysis at the National Opinion Research Center (NORC) at the University of Chicago have released a report detailing the findings of a study conducted to understand possible factors that contribute to Eastern Kentucky leading the nation in declining overdose mortality rates.

Utilizing an opioid mapping tool from NORC and drug overdose mortality data from the CDC National Center for Health Statistics, the study looked at two five-year time periods between 2008 and 2017.

Data from the study indicate that several counties in Eastern Kentucky have seen declines in drug overdose mortality rates over the past decade, even as overdose rates have risen in the state of Kentucky as well as in the Appalachian regions of neighboring states such as Pennsylvania, Ohio and West Virginia and across the nation.

"The findings of this study are very encouraging as

eight counties in Eastern Kentucky were among the 10 counties nationally with the greatest decline in drug overdose mortality," said Dr. Fran Feltner, UK CERH director. "Of the Top 20 counties nationally, 14 were in Eastern Kentucky."

Through an intensive qualitative study, NORC and UK CERH identified potential policies and strategies that may be contributing to the declines, including approaches that could be implemented in other communities. Topics explored through this project included:

- increased access to treatment and recovery
- Medicaid expansion
- law enforcement and the criminal justice system
- harm reduction
- primary prevention and community coalitions
- shifts in drugs of choice.

Researchers interviewed several stakeholder groups, including representatives from the following sectors: criminal justice, prevention/education, economic development and recovery, substance use treatment, state and local health departments, health care and harm reduction.

"This story of success and progress in Eastern Kentucky highlights the strength and resilience of the Appalachian people, and shows what can be accomplished with collaboration, bipartisan support and a longstanding commitment to addressing substance use across the region," said Michael Meit, NORC project manager and senior fellow.

The study highlights some of the strategies and approaches that key informants believed were associated with the reductions and that may be adapted and leveraged by other states and communities including:

- developing cross-sector partnerships to

reduce stigma and collectively address SUD.

- passing and enforcing prescription drug monitoring legislation.
- expanding substance use treatment benefits and availability.
- incorporating employment skills training as a component of substance use treatment.
- creating an environment that promotes long-term recovery, including increased access to recovery housing and second chance employment opportunities.
- increasing access to and training on Narcan as part of community education and prevention efforts.
- and understanding shifts in drugs of choice and recognizing the need for comprehensive addiction treatment.

**More information:** Understanding Declining Rates of Drug Overdose Mortality in Eastern Kentucky [PDF] [ruralhealth.med.uky.edu/sites/.../files/Understanding%20Declining%20Rates%20of%20Drug%20Overdose%20Mortality%20in%20Eastern%20Kentucky.pdf](https://ruralhealth.med.uky.edu/sites/default/files/Understanding%20Declining%20Rates%20of%20Drug%20Overdose%20Mortality%20in%20Eastern%20Kentucky.pdf)

Provided by University of Kentucky

APA citation: Research finds decline in drug overdose mortality rates in eastern Kentucky counties (2021, May 21) retrieved 30 July 2022 from <https://medicalxpress.com/news/2021-05-decline-drug-overdose-mortality-eastern.html>

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