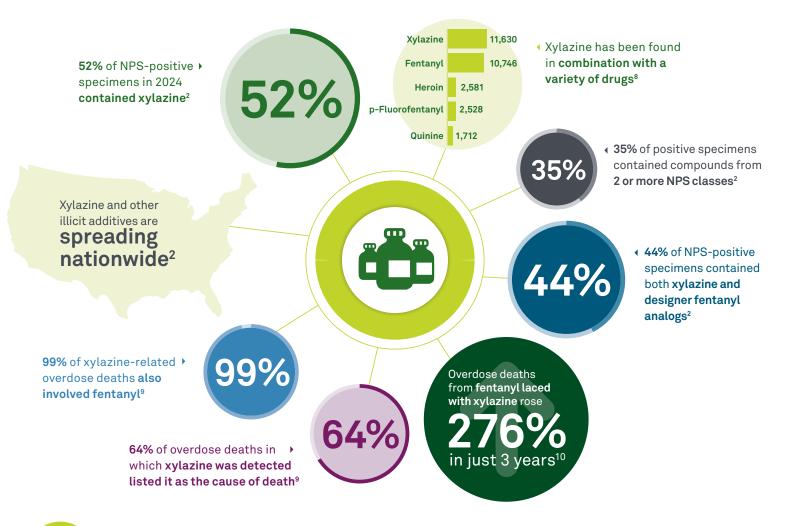
Xylazine



A rising threat in novel psychoactive substances

An estimated 1 in 10 people reported recent use of novel psychoactive substances (NPS),¹ and more than half of NPS-positive specimens tested in 2024 contained xylazine—making it the most common NPS.²

Xylazine is often combined with other NPS, significantly raising overdose risk and driving a surge in drug-related deaths.³⁻⁷ The latest analysis of NPS panel testing performed by Quest Diagnostics, in combination with data from other leading organizations, highlight alarming trends.





Learn more at QuestDiagnostics.com/NovelPyschoactiveSubstances

References

1. Neoh MJY, Carollo A, Lim M, et al. The novel psychoactive substances epidemic: A scientometric perspective. Addiction Neuroscience. 2023(5):100060. doi:10.1016/j.addicn.2022.100060 2. Quest Diagnostics NPS report, 2025 3. Nunez J, DeJoseph ME, Gill JR. Xylazine, a veterinary tranquilizer, detected in 42 accidental fentanyl intoxication deaths. Am J Forensic Med Pathol. 2021;42(1):9-11. doi:10.1097/PAF.000000000000022 4. Kariisa M, O'Donnell J, Kumar S, et al. Illicitly manufactured fentanyl-involved overdose deaths with detected xylazine—US, January 2019—June 2022. MMWR Morb Mortal Wkly Rep. 2023;72(26):721-727. doi:10.15585/mmwr.mm7226a4 5. Spencer MR, Warner M, Cisewski JA, et al. Estimates of drug overdose deaths involving fentanyl, methamphetamine, cocaine, heroin, and oxycodone: US, 2021. Vital Statistics Rapid Release; no 27. National Center for Health Statistics; 2023. doi:10.15620/cdc:125504 6. Spencer MR, Warner M, Bastian BA, Trinidad JP, Hedegaard H. Drug overdose deaths involving fentanyl, 2011-2016. Natl Vital Stat Rep. 2019;68(3):1-19. https://wwww.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_03-508.pdf 7. Friedman J, Montero F, Bourgois P, et al. xylazine spreads across the US: A growing component of the increasingly synthetic and polysubstance overdose crisis. Drug Alcohol Depend. 2022;233:109380. doi:10.1016/j. drugalcdep.2022.109380 8. US Drug Enforcement Administration. Xylazine information. Accessed March 24, 2025. https://www.dea.gov/xylazine-information 9. Kariisa M, Patel P, Smith H, et al. Notes from the field: Xylazine detection and involvement in drug overdose deaths with detected xylazine — US, January 2019–June 2022. MMWR Morb Mortal Wkly Rep. 2023;72:721-727. doi:10.15585/mmwr.mm7226a4

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