

ENHANCING OVERDOSE PREVENTION THROUGH EMERGING TECHNOLOGIES



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The Problem

1

- Overdose deaths remain high
- Fentanyl and polysubstance use drive mortality
- Missed opportunities: limited training, fragmented care, stigma, poor risk screening

The Solution: Overdose Safety Planning

2

- Adapted from suicide prevention and harm reduction
- Personalized and updated plans, shared across teams
- Focuses on mindset, setting, amount, route, and tolerance

Technology Integration

3

- EHR Enhancements: OSP tools, screeners, alerts, predictive analytics
- Digital tools: patient portals, pill ID apps, mobile health, multilingual engagement
- Population health: dashboards tracking risk and social determinants

Why It Matters: Recovery is Possible

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- Universal screening and safety planning save lives
- Tech = scales prevention, reduces disparities, embeds OSP into care culture

Resources

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- Zero Overdose → www.ZeroOverdose.org
- 988 Suicide & Crisis Lifeline (24/7)
- Never Use Alone Hotline: 877-696-1996 (24/7 peer support) - <https://neverusealone.com/>

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References:

SAMHSA ORCCA Practice Guide (2023) | Stanley & Brown, JAMA Psychiatry (2018) | Harm Reduction Coalition (2020) | CDC/NCHS Overdose Deaths (2023)