

### **Pillars of CDC Activity**

- > Improve data quality and track trends
- > Strengthen state efforts by scaling up effective public health interventions
- > Supply healthcare providers with resources to improve patient safety
- > Collaborate with public safety to respond quicker and more effectively
- > Empower consumers to make safe choices











## CDC's Enhanced State Opioid Overdose Surveillance (ESOOS) Program

- Strategy One: Increase timeliness of non-fatal opioid overdose reporting
  - Use syndromic surveillance to establish an early warning system to detect sharp increases or decreases in non-fatal opioid overdoses
  - Three indicators: suspected all-drug, opioid, and heroin overdoses
- Strategy Two: Increase timeliness and comprehensiveness of fatal opioid overdose reporting
  - Capture detailed information on toxicology, death scene investigations, and other risk factors that may be associated with a fatal overdose.
- Strategy Three: widespread dissemination
  - Rapidly disseminate surveillance findings to key stakeholders working to prevent or respond to opioid overdoses

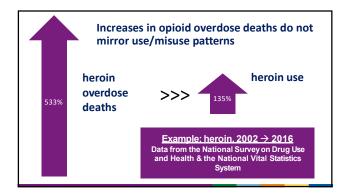
### **Funding for Enhanced Toxicology Testing**

- Supplemental funding for all ESOOS-funded states
- 40% of base funding
  - 60% of supplemental funds <u>must</u> go directly to ME/Cs to support comprehensive toxicology testing
  - If ME/Cs already fully funded for testing, can use funds for other innovative projects to improve timeliness/comprehensiveness of data

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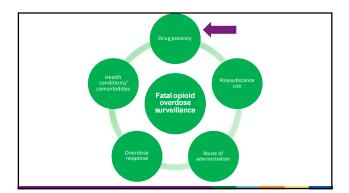


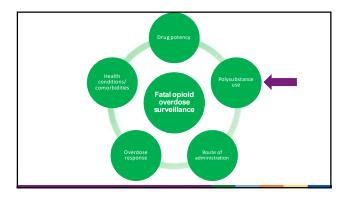


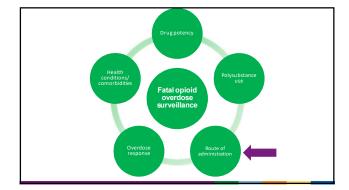
If use is not increasing substantially,

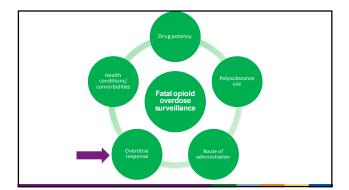
why are people dying?

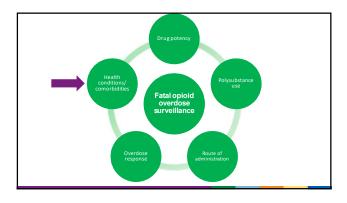








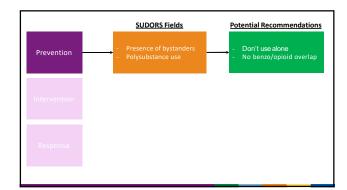


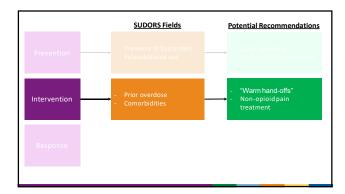


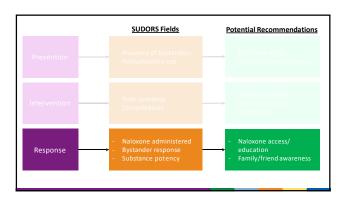












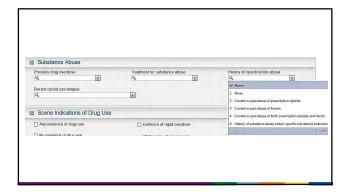
### SUDORS case definitions for opioid overdose deaths

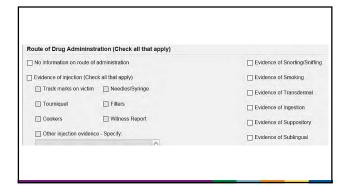
- Cases identified using death certificate cause of death information
  - Literal cause of death text fields
  - $-\,$  Underlying cause-of-death codes X40–44 (unintentional poisoning) and Y10 –14 (undetermined intent)
  - Multiple cause-of-death codes
    - T40.0 (poisoning by opium)
    - T40.1 (poisoning by heroin)
    - T40.2 (poisoning by natural and semi-synthetic opioids)
    - T40.3 (poisoning by methadone)
    - T40.4 (poisoning by synthetic opioids other than methadone)
    - T40.6 (poisoning by other unspecified narcotics)

### SUDORS case definitions for opioid overdose deaths

- Cases identified using medical examiner/coroner (ME/C) reports to supplement cause-of-death codes
  - E.g., death certificate says "drug toxicity" but does not specify any substance(s), but ME/C report mentions lethal amount of fentanyl
  - E.g., death certificate has pending cause of death but ME/C report indicates a drug overdose with a contributing opioid

## Basic descriptors -Compare across demographics -Recent release from institution - Overdose location - Survival time

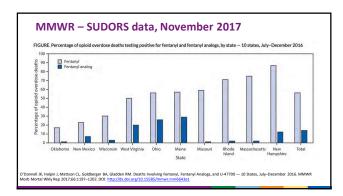


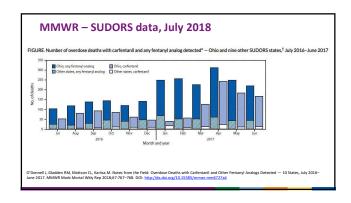


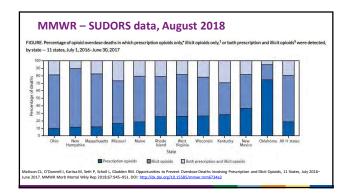


Naloxone Administered (Check all tha	t apply)		
☐ Naloxone administered	Administered by law enforcement	Administered by bystander Who administered?	
☐ Not administered	Administered by EMS/fire	Person using drugs	Friend
Unknown	Administered by hospital (ED/inpatient)	☐ Intimate partner	Roommate
Administered, unknown by whom	Other (specify in narrative)	☐ Stranger ☐ Other - Specify:	Other family
Total # of Naloxone dosages administered by first responders/health care			
		Total # of Naloxone dosages	administered by bysta









### **Summary**

- ESOOS provides rapid data to inform prevention and response efforts for nonfatal and fatal opioid overdose
- SUDORS provides detailed information on deaths involving opioids
  - Substances detected and contributing to death
  - Circumstances surrounding overdose
- Prevention and response should be guided by the substances detected and contributing to overdose deaths as well as the circumstances surrounding the death

### Acknowledgements

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  - State health departments
  - Medical Examiner and coroner offices
  - Vital registrar offices
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  - Dr. Grant Baldwin

Thank you!
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### **Questions?**

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TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

