

# National Violent Death Reporting System (NVDRS)



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# Agenda

- Definitions/Acronyms
- NVDRS Overview
- NVDRS Data Collection Process
- SUDORS Overview
- SUDORS Data Collection Process
- Q&A

# Definitions/Acronyms

COD/MOD	Cause of Death/Manner of Death
CME	Coroner/Medical Examiner
NCHS	National Center of Health Statistics
NIST	National Institute of Standards and Technology
NVDRS	National Violent Death Reporting System
PII	Personally Identifiable Information
SAMS	Secure Access Management Service
SUDORS	State Unintentional Drug Overdose Reporting System
SVRIS	Statewide Vital Records Information System
VRAD	Vital Records Reporting and Analytic Database
WISH	Wisconsin Interactive Statistics on Health












# NVDRS Overview

- Violent Death
  - Suicide
  - Homicide
  - Legal intervention
  - Unintentional firearm
  - Undetermined intent
  - Terrorism-related

# NVDRS Overview

## What KIND of Data Does NVDRS Collect?

NVDRS covers all types of violent deaths, in all settings, for all age groups. Over 600 data elements are captured, including:

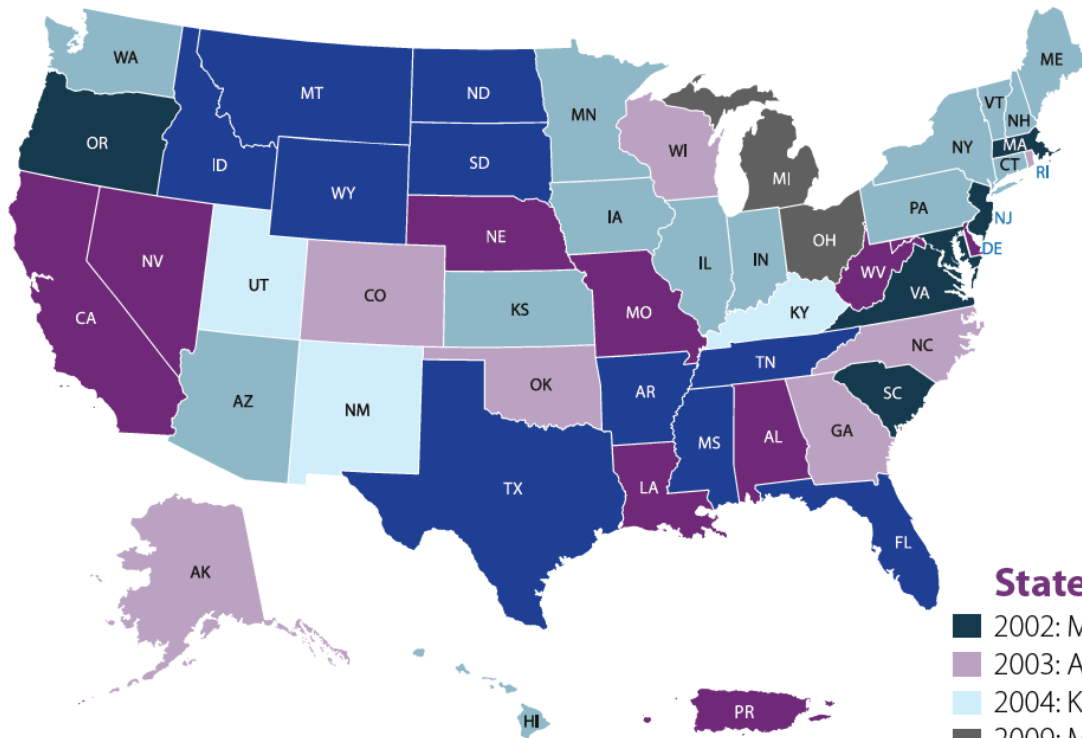
-  Location of injury
-  Mental health problems and treatment
-  Characteristics of victim
-  Intimate partner violence
-  Relationship of victim to suspect
-  Physical health problems
-  Weapons used
-  Relationship problems
-  Toxicology reports
-  Problems with job or finances
-  Alcohol or substance abuse

*Figure 1: Centers for Disease Control and Prevention*

# NVDRS Overview

- Circumstances of Violent Death
  - Suicide/Undetermined Intent
    - ◆ History of self-harm, suicidal thoughts or plans, or attempts?
    - ◆ Recent legal, physical health, job, financial, school, housing problem?
  - Homicide/Legal Intervention
    - ◆ Intimate partner violence-related?
    - ◆ Drug Involvement? Gang-related?
  - Unintentional Firearm Death
    - ◆ Context of injury: hunting, playing with gun, cleaning, etc.
    - ◆ Mechanism of injury: Unintentionally pulled trigger, thought gun safety was engaged, thought gun was unloaded, etc.

# NVDRS Overview



## The Reach of NVDRS

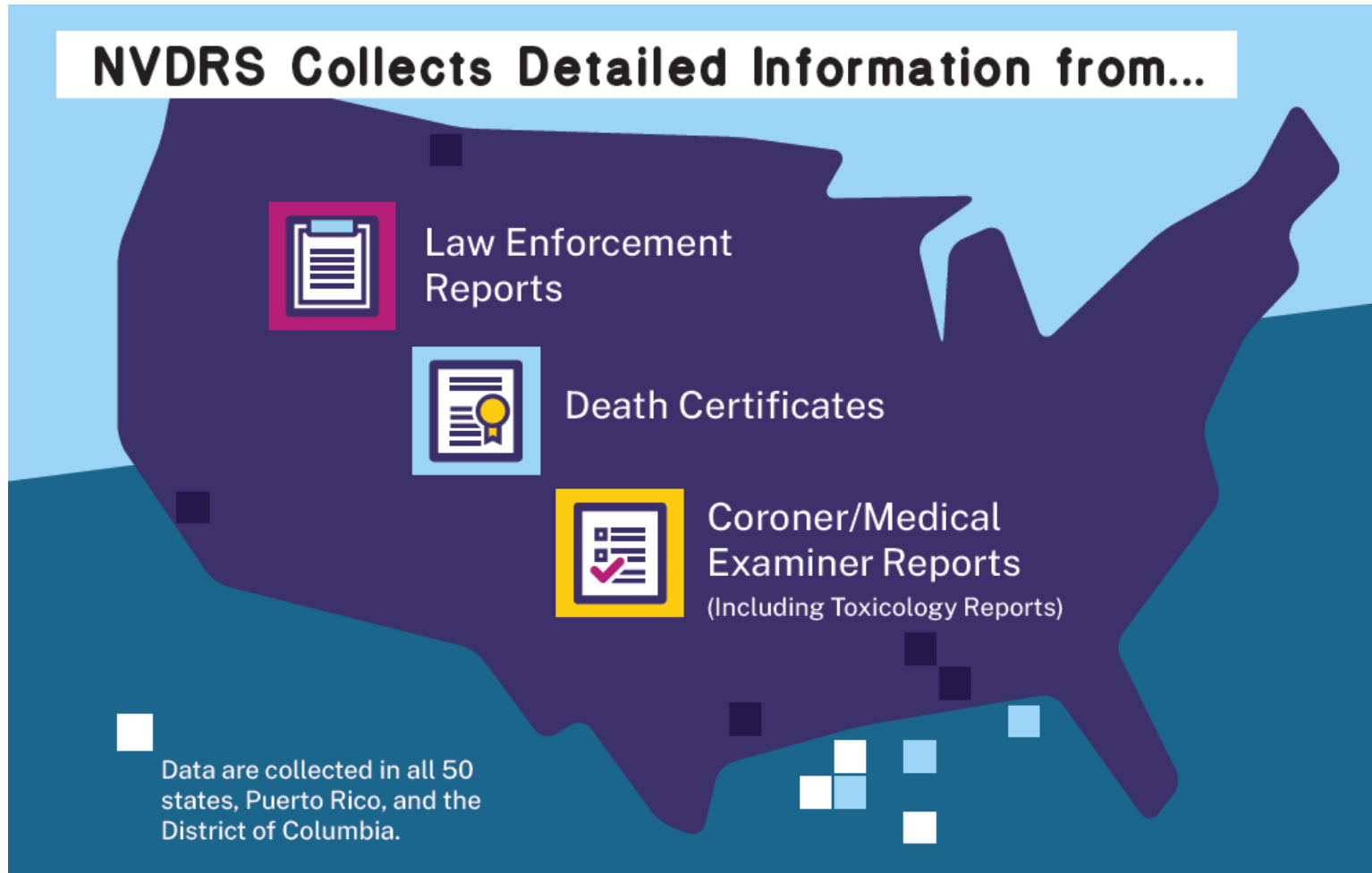
NVDRS began collecting data on violent deaths from six states in 2002, followed by progressive additions to the system over several years. **In 2018, NVDRS was expanded to include data collection from all 50 states, Puerto Rico, and the District of Columbia.** This expansion brings NVDRS closer to the goal of providing a complete picture of violent deaths across the nation

### States added by year:

- 2002: MA, MD, NJ, OR, SC, VA
- 2003: AK, CO, GA, NC, OK, RI, WI
- 2004: KY, NM, UT
- 2009: MI, OH
- 2014: AZ, CT, HI, IA, IL, IN, KS, ME, MN, NH, NY, PA, VT, WA
- 2016: AL, CA, DE, DC, LA, MO, NE, NV, Puerto Rico, WV
- 2018: AR, FL, ID, MS, MT, ND, SD, TN, TX, WY

Figure 2: Centers for Disease Control and Prevention

# NVDRS Overview



*Figure 3: Centers for Disease Control and Prevention*



# NVDRS Overview

- What Makes NVDRS Unique?
  - Multiple sources of data
    - ◆ Death Certificates
    - ◆ Coroners/Medical Examiners
    - ◆ Toxicology
    - ◆ Law Enforcement
  - Identifies emerging issues
  - Combines data about deaths in same event
  - Collects information about suspect

# NVDRS Overview

## How Can NVDRS Data be Used to Prevent Violent Deaths?



### **INFORM DECISION MAKERS**

about the magnitude, trends, and characteristics of violent deaths



### **EDUCATE COMMUNITIES**

about circumstances that contribute to violence

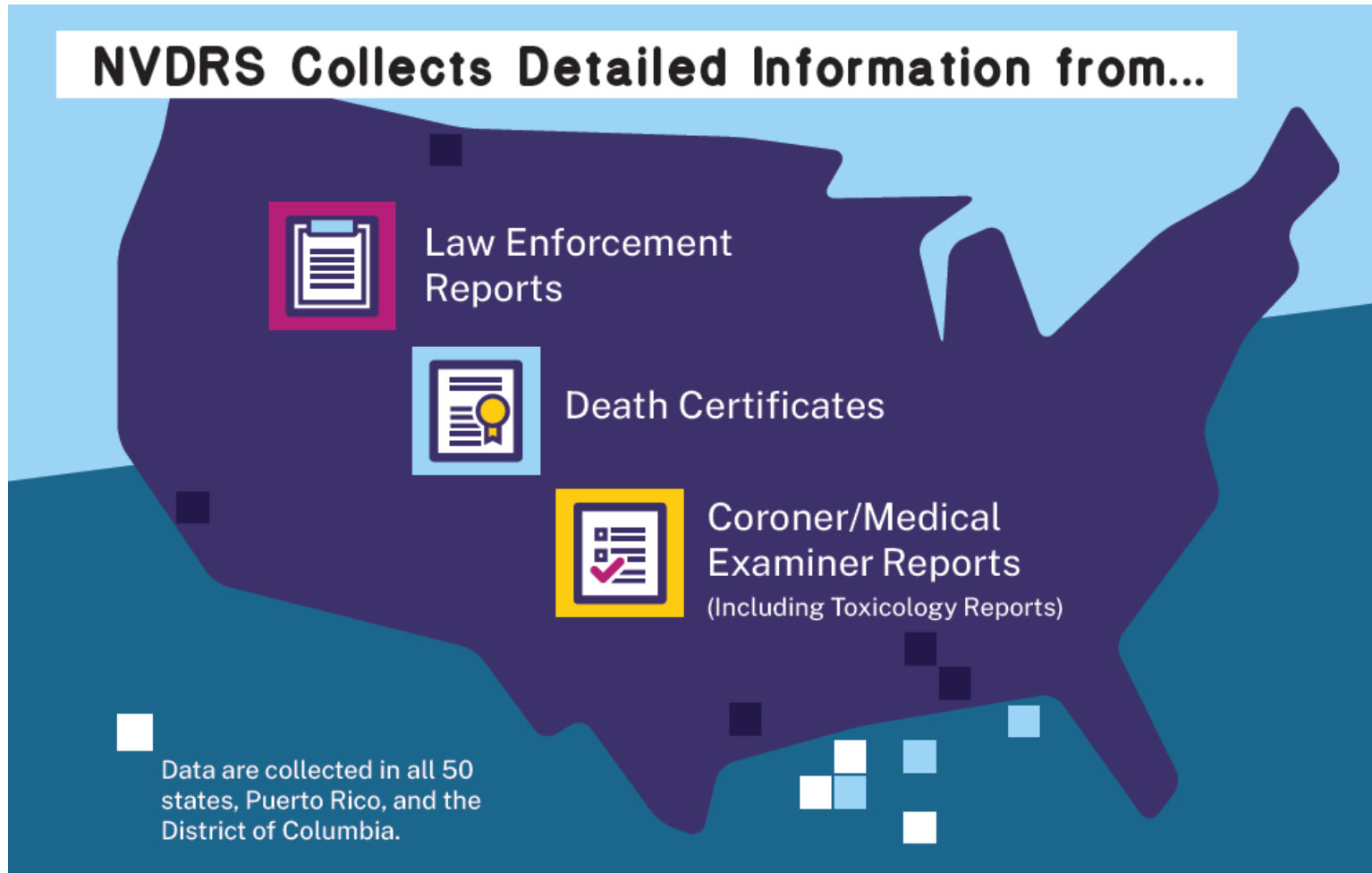


### **HELP DECISION MAKERS AND PROGRAM PLANNERS**

develop and enhance comprehensive violence prevention efforts to maximize benefits.

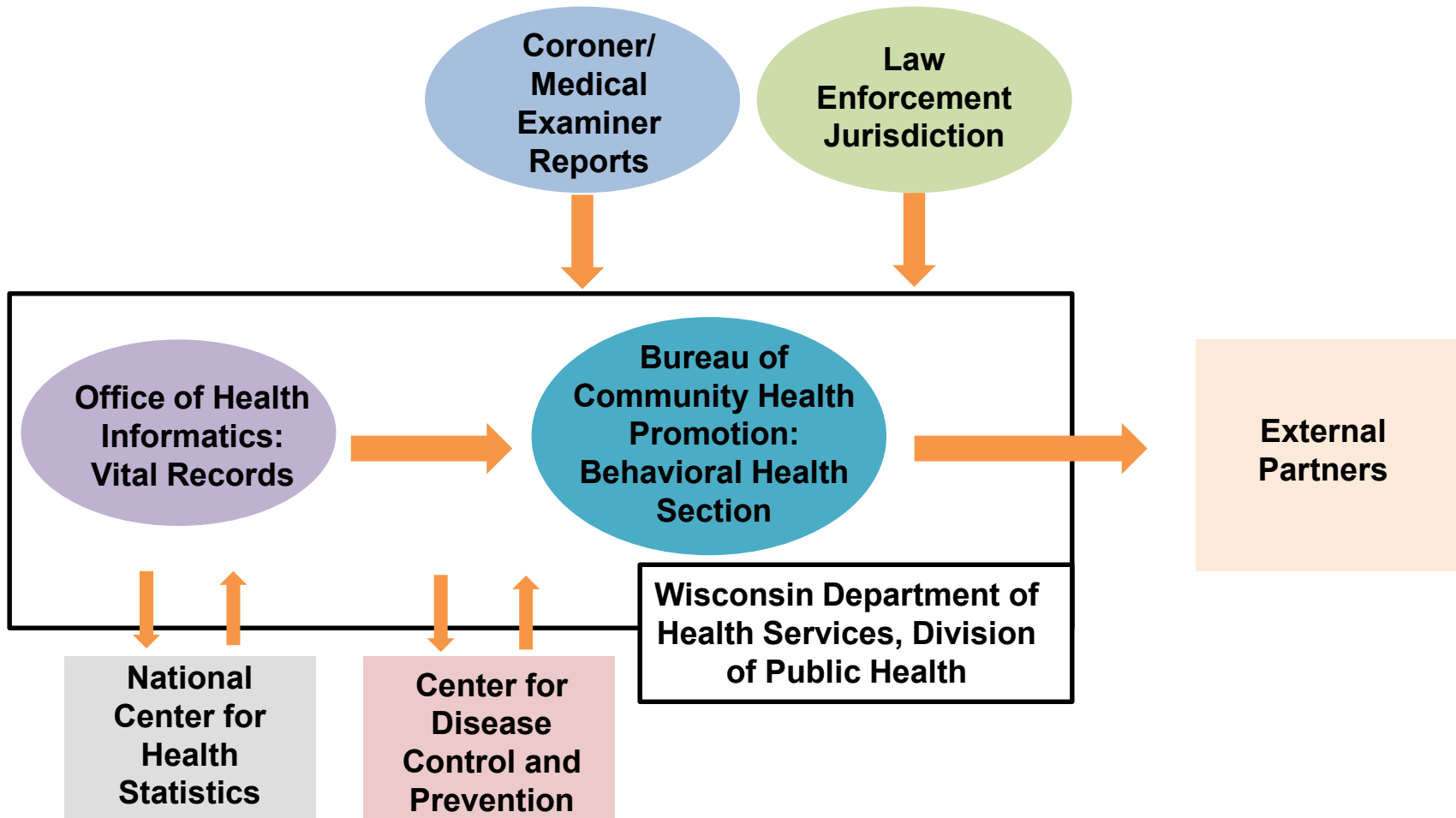
*Figure 4: Centers for Disease Control and Prevention*

# NVDRS Overview

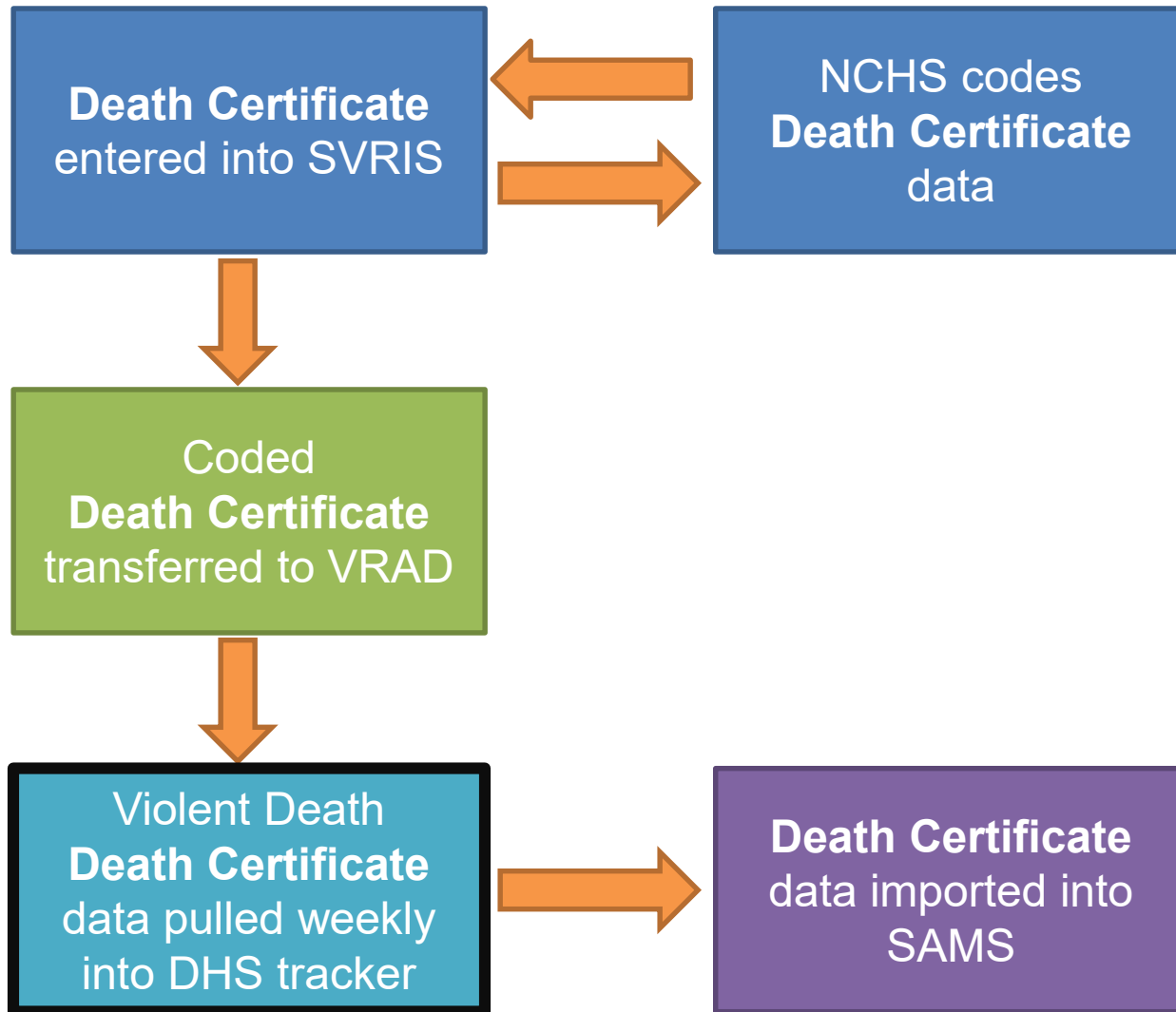


*Figure 3: Centers for Disease Control and Prevention*

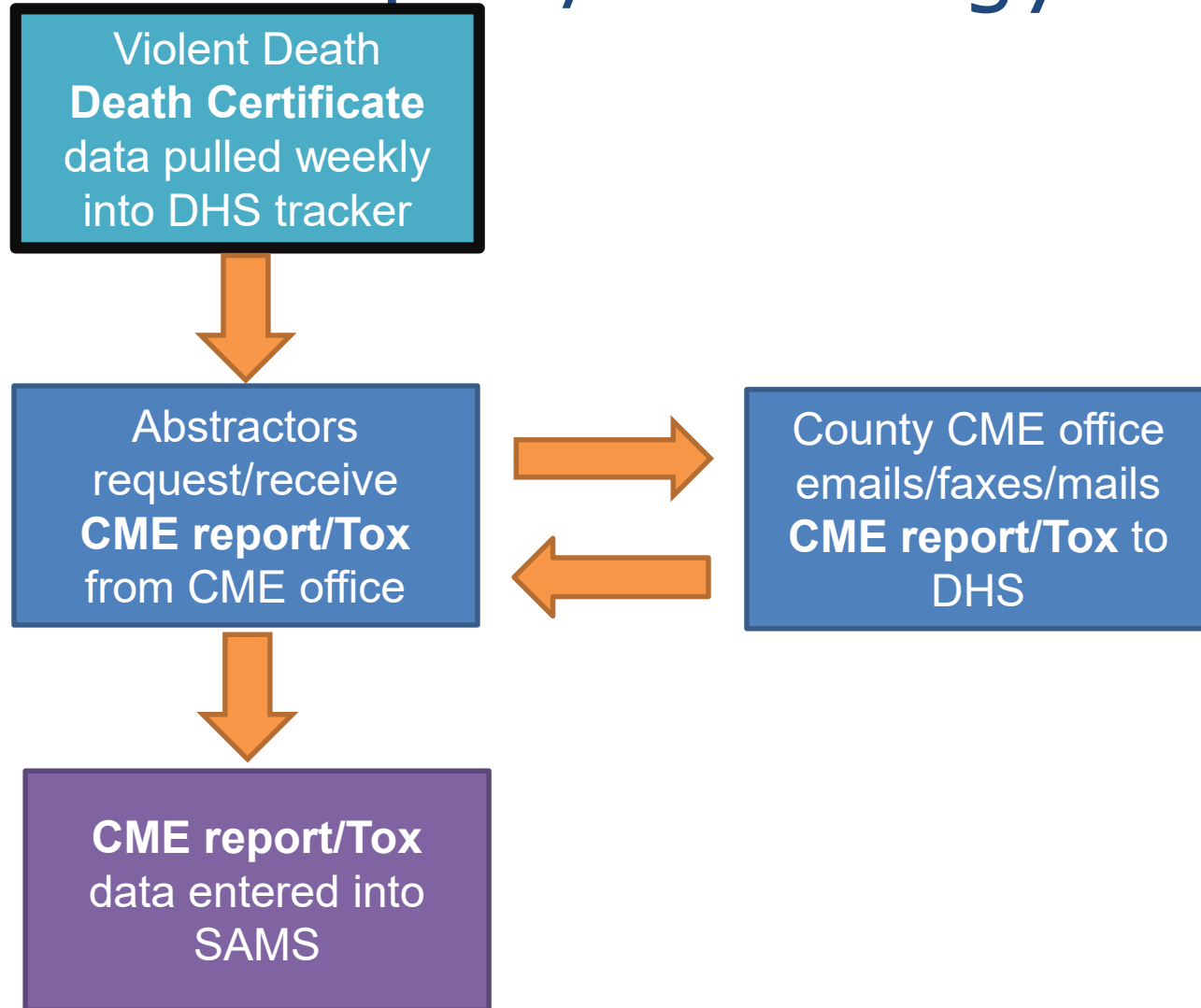
# NVDERS Data Collection Process



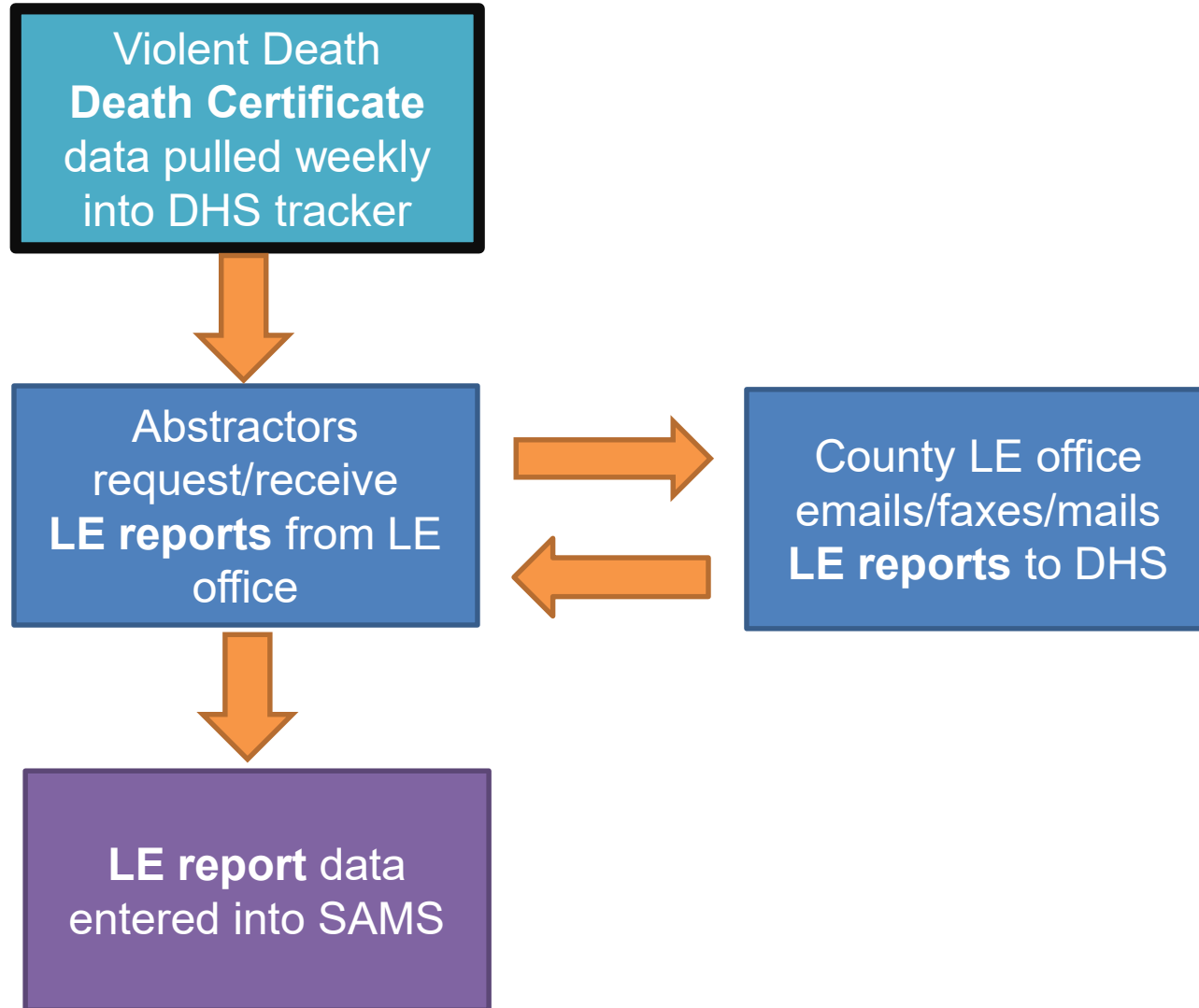
# NVDRS Data Collection Process: Death Certificate



# NVDRS Data Collection Process: CME Report/Toxicology



# NVDRS Data Collection Process: Law Enforcement



# NVDRS Other Considerations

- How does NVDRS Keep Death Records Confidential?
  - No PII
  - Secure, web-based system
  - Compliance with NIST Security and Privacy Controls
- Accessing NVDRS
  - CDC's Injury Center
  - Web-Based Injury Statistics Query And Reporting System (WISQARS)
  - DHS WISH Query: Violent Deaths



# State Unintentional Drug Overdose Reporting System (SUDORS)



# SUDORS Overview

- Started in 2016: Collected comprehensive data on opioid overdose deaths
- In 2019: Expanded to all drug overdose deaths
  - CDC's Overdose Data to Action (OD2A) program
- **Drug Overdose Death**
  - Unintentional drug overdose
  - Undetermined intent drug overdose

# SUDORS Overview

## ■ Multiple sources of Data



### Death Certificates

- Demographics
- County and state where overdose occurred
- Cause and manner of death
- Other significant conditions contributing to death
- How overdose occurred
- Place of death (e.g., hospital, home)
- Date of death



### Medical Examiner/Coroner Reports

- History of prior overdoses
- Treatment for substance use disorder
- Prescription drug misuse or illicit drug use history
- Routes of drug administration (e.g., injection, smoking)
- Presence of bystanders
- Naloxone administration



### Postmortem Toxicology

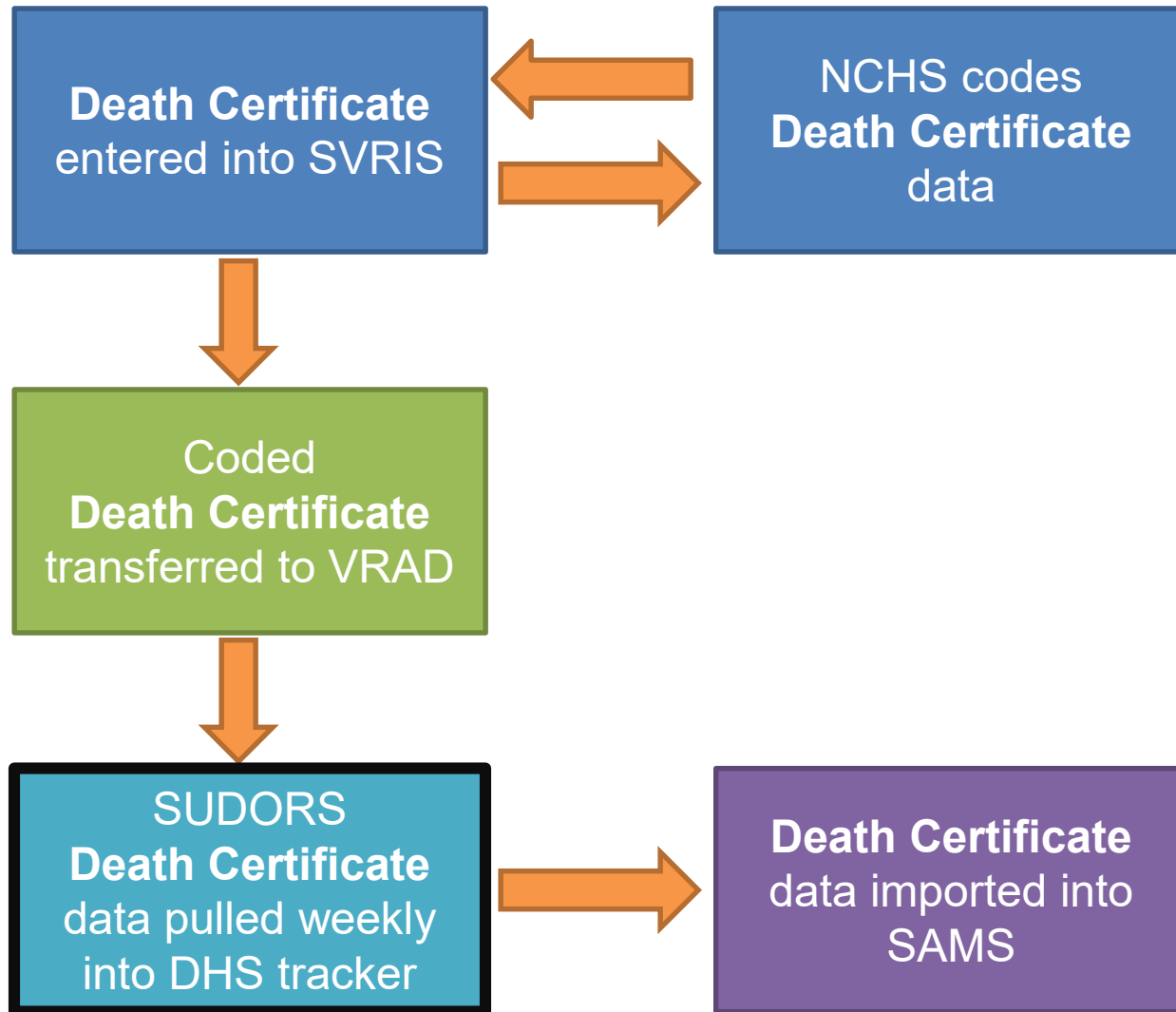
- All drugs detected
- Drugs contributing to death
- Date specimens were collected

*Figure 5: Centers for Disease Control and Prevention*

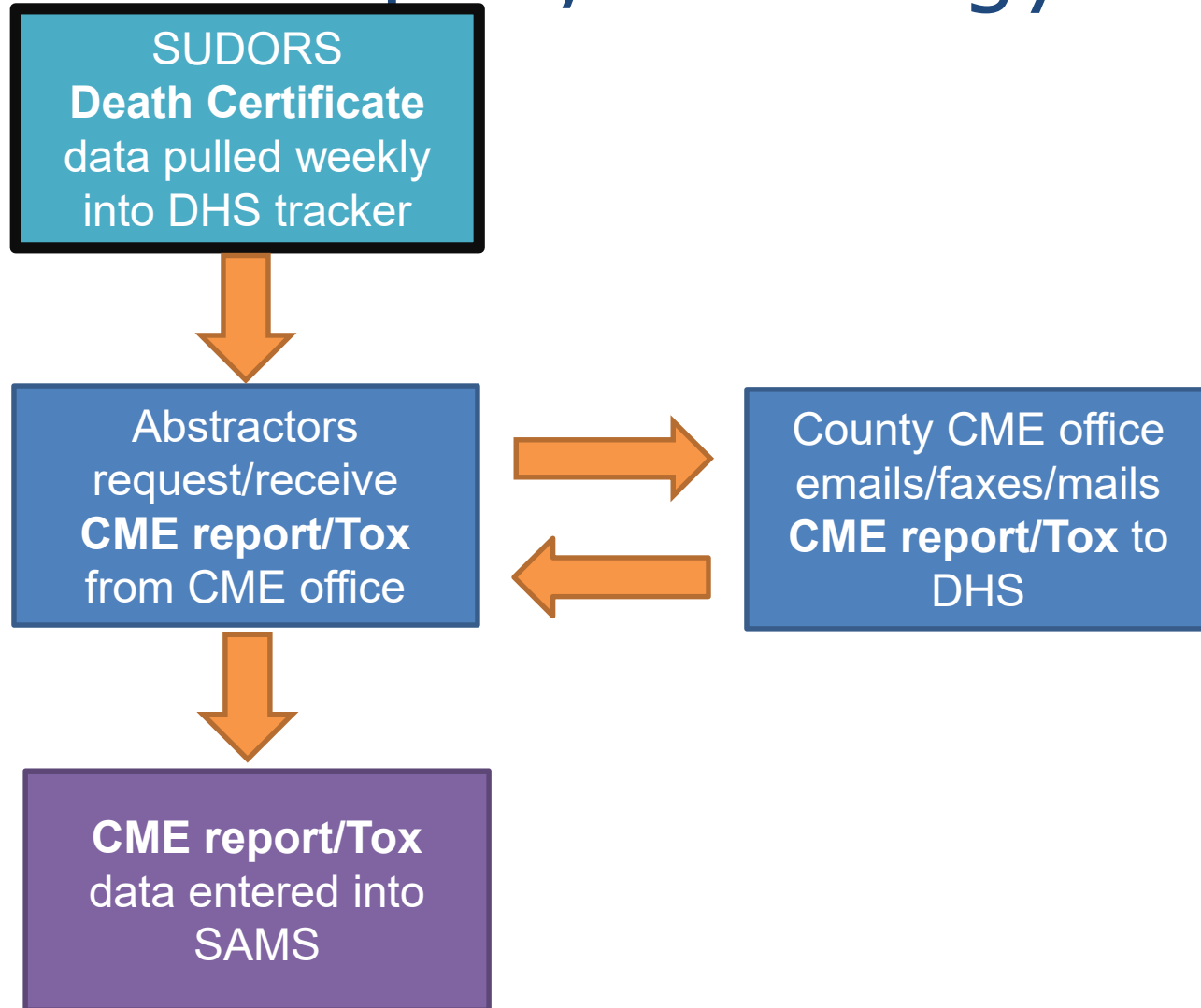
# SUDORS Overview

- Circumstances of Drug Overdose Death
  - History of prior overdoses?
  - Prior treatment for substance use disorder?
  - Naloxone administration?
  - All drugs detected in toxicology
- What Makes SUDORS Unique?
- How can SUDORS be used for action?

# SUDORS Data Collection Process: Death Certificate



# SUDORS Data Collection Process: CME Report/Toxicology



# Questions?



Thank you!