



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention

Print Date: 1/25/22

**Title:** Drug Overdose Surveillance and Epidemiology System (DOSE)  
**Project Id:** 0900f3eb81a4d4d1  
**Accession #:** NCIPC-ESB-10/24/19-4d4d1  
**Project Contact:** Alana M Vivolo  
**Organization:** NCIPC/DOP/ESB/MORB  
**Status:** **Project In Progress**  
**Intended Use:** **Project Determination**  
**Estimated Start Date:** 09/01/2019  
**Estimated Completion Date:** 08/31/2023  
**CDC/ATSDR HRPO/IRB Protocol #:**  
**OMB Control #:** 0920-1268

## Determinations

| Determination                               | Justification   | Completed | Entered By & Role                   |
|---|---|-----------|-------------------------------------|
| HSC:<br><b>Does NOT Require HRPO Review</b> | Not Research - Public Health Surveillance<br><i>45 CFR 46.102(l)(2)</i> | 5/18/21   | Angel_Karen C. (idy6) CIO HSC       |
| PRA:<br><b>PRA Applies</b>                  |   | 5/18/21   | Angel_Karen C. (idy6) OMB / PRA     |
| ICRO:<br><b>PRA Applies</b>                 | OMB Approval date: 8/30/19<br>OMB Expiration date: 8/31/22              | 5/18/21   | Zirger_Jeffrey (wtj5) ICRO Reviewer |

## Description & Funding

### Description

**Priority:** Standard  
**Determination Start Date:** 04/16/21  
**Description:** The Drug Overdose Surveillance and Epidemiology (DOSE) system funds 52 health departments (50 state health departments, the health department of Puerto Rico and the health department of the District of Columbia) to rapidly share existing ED data on counts of ED visits involving suspected drug, opioid, heroin, and stimulant overdoses using two standard data forms (i.e., the Rapid ED overdose data form and the ED discharge overdose data form) and standard CDC case definitions.  
**IMS/CIO/Epi-Aid/Chemical Exposure Submission:** No  
**IMS Activation Name:** Not selected  
**Primary Priority of the Project:** Not selected  
**Secondary Priority(s) of the Project:** Not selected  
**Task Force Associated with the Response:** Not selected  
**CIO Emergency Response Name:** Not selected  
**Epi-Aid Name:** Not selected  
**Assessment of Chemical Exposure Name:** Not selected  
**Goals/Purpose** To rapidly identify outbreaks and provide situational awareness of changes in emergency department (ED) visits involving suspected drug, opioid, heroin and stimulant overdoses at the local, state, and regional level. This goal will be accomplished by standardizing and enhancing sharing of existing ED data locally collected by 52 health departments (all 50 state health departments, the health department of Puerto Rico, and the health department of the District of Columbia) with CDC.  
**Objective:** DOSE will improve situational awareness of federal, state, and local health departments of emerging drug overdose outbreaks and the progression of the opioid overdose epidemic. DOSE will enhance public awareness of the progression of the opioid overdose epidemic and other emerging drug overdose threats in their area: Limited timely local and state data is available on nonfatal and fatal drug overdoses. DOSE will enhance local health department surveillance of suspected drug, opioid, heroin and stimulant overdoses and assist states in mandatory reporting requirements of overdose.  
**Does this project include interventions, services, or policy change work aimed at** Not Selected

**improving the health of groups who have been excluded or marginalized and/or decreasing disparities?:**

**Project does not incorporate elements of health equity science:** Not Selected

**Measuring Disparities:** Yes

**Studying Social Determinants of Health (SDOH):** Not Selected

**Assessing Impact:** Not Selected

**Methods to Improve Health Equity Research and Practice:** Not Selected

**Other:** Not Selected

**Activities or Tasks:** Purchase, Use, or Transfer of Information, Data, Biospecimens or Materials

**Target Populations to be Included/Represented:** Other - Individuals who visit an ED to receive treatment for a drug, opioid, heroin, or stimulant overdose

**Tags/Keywords:** Drug Overdose

**CDC's Role:** Activity originated and designed by CDC staff, or conducted at the specific request of CDC, or CDC staff will approve study design and data collection as a condition of any funding provided ; CDC is providing funding

**Method Categories:** Surveillance Support; Technical Assistance

**Methods:** The project will leverage ED syndromic data and hospital discharge data on ED visits already routinely collected by state and territorial health departments. No new data will be systematically collected from EDs, and health departments will be reimbursed by CDC for the burden related to sharing ED data with CDC.

**Collection of Info, Data or Biospecimen:** Fifty-two funded health departments (50 state health departments, Puerto Rico, and the District of Columbia) will rapidly share existing ED data with CDC on a monthly basis using the Rapid ED overdose data form and standard CDC case definitions. Data may come from different local ED data systems, but is expected to cover at least 75% of ED visits in the jurisdiction (e.g., state). Specifically, some health departments conduct rapid overdose surveillance using local ED syndromic systems or hospital discharge data, while others conduct surveillance using CDC's National Syndromic Surveillance Program (NSSP), which receives near real-time ED data from health departments or their partners on approximately 60% of ED visits in the United States. Regardless of the data source, CDC will require all participating health departments to provide counts of ED visits involving suspected drug, opioid, heroin, and stimulant overdoses by county, age group, sex, and time (i.e., month and year) in a standardized manner using the Rapid ED overdose data form, which is an Excel data template. This form also collects data quality indicators such as percent of ED visits missing data on key variables (i.e., metadata). In order to assess and improve rapid ED data sharing, all 52 participating health departments will also be asked to share counts of ED visits involving suspected drug, opioid, heroin and stimulant overdoses by county, age group, sex, and time (i.e., month and year) from more finalized hospital discharge files, the current surveillance standard. The data will be shared with CDC on a quarterly or yearly basis using a standardized Excel data form, the ED discharge overdose data form, and standard CDC case definitions.

**Expected Use of Findings/Results and their impact:** Improve local, state, and regional situational awareness of drug, opioid, heroin, and stimulant overdose trends and response to acute local and multi-state drug outbreaks.

**Could Individuals potentially be identified based on Information Collected?** No

## Funding

| Funding Type              | Funding Title                  | Funding # | Original Budget Yr | # Years Award | Budget Amount |
|---------------------------|--------------------------------|-----------|--------------------|---------------|---------------|
| CDC Cooperative Agreement | Overdose Data to Action (OD2A) | CE19-1904 | 2019               | 4             |               |

## HSC Review

## Regulation and Policy

**Do you anticipate this project will be submitted to the IRB office** No

**Estimated number of study participants**

**Population - Children** Protocol Page #:

**Population - Minors** Protocol Page #:

**Population - Prisoners** Protocol Page #:

**Population - Pregnant Women** Protocol Page #:

**Population - Emancipated Minors** Protocol Page #:

**Suggested level of risk to subjects**

Do you anticipate this project will be exempt research or non-exempt research

**Requested consent process wavers**

Informed consent for adults No Selection  
 Children capable of providing assent No Selection  
 Parental permission No Selection  
 Alteration of authorization under HIPPA Privacy Rule No Selection

**Requested Waivers of Documentation of Informed Consent**

Informed consent for adults No Selection  
 Children capable of providing assent No Selection  
 Parental permission No Selection

**Consent process shown in an understandable language**

Reading level has been estimated No Selection  
 Comprehension tool is provided No Selection  
 Short form is provided No Selection  
 Translation planned or performed No Selection  
 Certified translation / translator No Selection  
 Translation and back-translation to/from target language(s) No Selection  
 Other method No Selection

**Clinical Trial**

Involves human participants No Selection  
 Assigned to an intervention No Selection  
 Evaluate the effect of the intervention No Selection  
 Evaluation of a health related biomedical or behavioral outcome No Selection  
 Registerable clinical trial No Selection

**Other Considerations**

Exception is requested to PHS informing those bested about HIV serostatus No Selection  
 Human genetic testing is planned now or in the future No Selection  
 Involves long-term storage of identifiable biological specimens No Selection  
 Involves a drug, biologic, or device No Selection  
 Conducted under an Investigational New Drug exemption or Investigational Device Exemption No Selection

**Institutions & Staff****Institutions**

Institutions yet to be added .....

**Staff**

| Staff Member | SIQT Exp. Date | CITI Biomedical Exp. Date | CITI Social & Behavioral Exp. Date | CITI Good Clinical Practice Exp. Date | Staff Role   | Email        | Phone        | Organization   |
|--------------|----------------|---------------------------|------------------------------------|---------------------------------------|--------------|--------------|--------------|----------------|
| Alana Vivolo | 06/24/2024     |                           | 09/14/2021                         |                                       | Program Lead | goz4@cdc.gov | 770-488-1244 | MORBIDITY TEAM |

**Data****DMP**

Proposed Data Collection Start Date: 9/1/19

|   |  |
|---|--|
| <b>Proposed Data Collection End Date:</b>             | 8/31/23  |
| <b>Proposed Public Access Level:</b>                  | Public   |
| <b>Public Access Justification:</b>                   | DOSE data will be available on a CDC website in the form of an interactive dashboard with options to download data into a CSV file. The website is currently under development but our current website includes some of this data: <a href="https://www.cdc.gov/drugoverdose/data/nonfatal/case.html">https://www.cdc.gov/drugoverdose/data/nonfatal/case.html</a> |
| <b>How Access Will Be Provided for Data:</b>          | Downloadable CSV files from the website.   |
| <b>Plans for Archival and Long Term Preservation:</b> | The data will live in the dashboard but will also be preserved in a CDC network user-protected folder for security.  |

## Spatiality

| Country       | State/Province   | County/Region |
|---------------|------------------|---------------|
| United States | South Carolina   |               |
| United States | Washington, D.C. |               |
| United States | Wisconsin        |               |
| United States | West Virginia    |               |
| United States | Washington       |               |
| United States | Virginia         |               |
| United States | Vermont          |               |
| United States | Utah             |               |
| United States | Texas            |               |
| United States | Tennessee        |               |
| United States | Rhode Island     |               |
| United States | Pennsylvania     |               |
| United States | Oregon           |               |
| United States | Oklahoma         |               |
| United States | Ohio             |               |
| United States | North Carolina   |               |
| United States | New York         |               |
| United States | New Mexico       |               |
| United States | New Jersey       |               |
| United States | New Hampshire    |               |
| United States | Alabama          |               |
| United States | Alaska           |               |
| United States | Arizona          |               |
| United States | Arkansas         |               |
| United States | California       |               |
| United States | Colorado         |               |
| United States | Connecticut      |               |
| United States | Delaware         |               |
| United States | Florida          |               |
| United States | Georgia          |               |
| United States | Hawaii           |               |
| United States | Idaho            |               |
| United States | Illinois         |               |
| United States | Indiana          |               |
| United States | Iowa             |               |

|               |               |  |
|---------------|---------------|--|
| United States | Kansas        |  |
| United States | Kentucky      |  |
| United States | Louisiana     |  |
| United States | Maine         |  |
| United States | Maryland      |  |
| United States | Massachusetts |  |
| United States | Michigan      |  |
| United States | Minnesota     |  |
| United States | Mississippi   |  |
| United States | Missouri      |  |
| United States | Montana       |  |
| United States | Nebraska      |  |
| United States | Nevada        |  |

### Dataset

| Dataset Title              | Dataset Description | Data Publisher/Owner | Public Access Level | Public Access Justification | External Access URL | Download URL | Type of Data Released | Collection Start Date | Collection End Date |
|----------------------------|---------------------|----------------------|---------------------|-----------------------------|---------------------|--------------|-----------------------|-----------------------|---------------------|
| Dataset yet to be added... |                     |                      |                     |                             |                     |              |                       |                       |                     |



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