

Outcome Measure Worksheet

Drowning Prevention

Instructions

Complete the first page of this worksheet. Then, using the other pages of the worksheet, identify which datasets are used in your state/jurisdiction, and who is the individual responsible for reporting to that system. Contact that individual to explore options for getting real-time data on a monthly basis.

Why We Need Data and How It Will Be Used

We are looking for real-time data for the purposes of Quality Improvement and determining the impact of our work on the rates of injury-related deaths, hospitalizations, and emergency department (ED) visits. The data can be used to:

- Assess progress made towards the achievement of injury reduction aim statements
- Compare trends in injury to test small changes

Description of the Data

In an ideal world, these data will:

- Be collected and reported on a monthly basis
- Relate to this geographic region:
- Relate to this age group: _____
- Relate to populations with these characteristics:
- Reflect the following International Classification of Diseases (ICD) codes:

Table 1: Unintentional Drowning ICD Codes

	Hospitalizations and Emergency Department Visits	Deaths
ICD system	ICD-10-CM	ICD-10
Drowning	<i>To compute incidence, exclude all cases with 7th digit = "D" (subsequent health care encounter) and "S" (sequela of injury)</i> Unspecified effects of drowning and nonfatal submersion: T75.1 Drowning and submersion due to accident to watercraft: V90 Drowning and submersion due to accident on board watercraft, without accident to watercraft: V92 Accidental non-transport drowning and submersion • While in bathtub: W65 • While in swimming-pool: W67 • While in natural water: W69 • Other specified: W73 • Unspecified: W74 Fall, jump or diving into water causing drowning and submersion • Due to fall into swimming pool: W16.011, W16.021, W16.031 • Due to fall into natural body of water: W16.111, W16.121, W16.131 • Due to fall in (into) bathtub or bucket of water: W16.211, W16.221 • Due to fall into other water: W16.311, W16.321, W16.331 • Due to fall into unspecified water: W16.41 • Jumping or diving into swimming pool: W16.511, W16.521, W16.531 • Jumping or diving into natural body of water: W16.611, W16.621 • Jumping or diving from boat: W16.711, W16.721 • Jumping or diving into other water: W16.811, W16.821, W16.831 • Jumping or diving into unspecified water: W16.91 Striking against • Striking against wall of swimming pool: W22.041	Accident to watercraft causing drowning and submersion: V90 Water-transport-related drowning and submersion without accident to watercraft: V92 Accidental drowning and submersion • While in bathtub: W65 • While in swimming-pool: W67 • While in natural water: W69 • Other specified (e.g., quenching tank, reservoir): W73 • Unspecified: W74 Fall into water • Following fall into bathtub: W66 • Following fall into swimming-pool: W68 • Following fall into natural water: W70



These data do not need to be cleaned to the same extent that they are cleaned for federal data systems. From a Quality Improvement standpoint, some data is better than no data. We encourage you to explore your options.

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Who Manages Injury Datasets?

We encourage states to identify datasets available at the local level and to identify who collects the data. The following individuals or organizations might be able to provide you with more information about data collected and reported in your state/jurisdiction:

Table 2: Individuals with Access to Data

State Epidemiologist	Name:	Phone Number:
	Email:	
State Administrator	Name:	Phone Number:
	Email:	
Child Death Review Coordinator	Name:	Phone Number:
	Email:	
Medical Examiner or Coroner	Name:	Phone Number:
	Email:	
Hospital Epidemiologist	Name:	Phone Number:
	Email:	
State Hospital Association Administrator	Name:	Phone Number:
	Email:	
Other:	Name:	Phone Number:
	Email:	
Other:	Name:	Phone Number:
	Email:	

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Injury Datasets

The following datasets contain the relevant data we are seeking on a state/jurisdiction (S/J) level. This worksheet focuses on datasets that may be available at S/J level and that may provide real-time or close to real-time data. You may need help from individuals in the table above to answer questions about these systems.

Table 3: Data Reporting Systems

Data System	Does your S/J, or hospitals in your S/J, have or report to this system?	Who is responsible for this system in your S/J?	Does the system contain the data you are looking for?
Fatality Data Systems			
State Vital Statistic Office			
State Child Death Review Team Data			
Other:			
Other:			
Emergency Care Data Systems			
State EMS Information System			
State Injury Surveillance System			
State Emergency Department Database (HCUP-SEDD) ¹			
Other:			

¹ According to the Agency for Healthcare Research and Quality (Updated September 15, 2021), 42 states participate in the HCUP-SEDD program (<https://hcup-us.ahrq.gov/seddooverview.jsp>).

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Data System	Does your S/J, or hospitals in your S/J have or report to this system?	Who is responsible for this system in your S/J?	Does the system contain the data you are looking for?
Hospitalization Data Systems			
State Hospital Association Data			
State Inpatient Database (HCUP-SID) ²			
Other:			
Other:			

Guiding Questions

Once you find the data that you are looking for in your state or jurisdiction, choose one dataset (or one dataset per outcome measure) and explore the following questions with the point person for that dataset:

- How are the data collected? For example: Where specifically do they come from? How frequently are they collected? Where are they reported?
- Is it possible to generate monthly reports that contain the data described on the first page of this worksheet?
- If you can't get the data on a monthly basis, how often can you get them?
- If you can't get the specific data that you are looking for, what data can you get related to deaths, ED visits, and hospitalizations?
- Do you need a data sharing agreement or memorandum of understanding?

If your state/jurisdiction does not have or report to any of these systems, ask the individuals listed in the second table of this worksheet if they can think of other data systems or ways to collect the data described on page one of this worksheet.

²According to the Agency for Healthcare Research and Quality (Updated September 15, 2021), 49 states plus the District of Columbia, participate in the HCUP-SID program (<https://hcup-us.ahrq.gov/sidoverview.jsp>).