

Outcome Measure Worksheet

Teen Driver Safety

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 our work is having on rates of teen driver-related deaths, hospitalizations, and emergency department (ED) visits. The data will be used to:

- Assess progress made towards the achievement of 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: Teen Driver ICD Codes

	Hospitalizations and Emergency Department Visits	Deaths
ICD system	ICD-10-CM	ICD-10
Teen Occupant	<p>To compute incidence, exclude all cases with 7th character = "D" (subsequent health care encounter) and "S" (sequela of injury)</p> <p>Car:</p> <ul style="list-style-type: none"> • V40-48: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V49: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Pick-up truck or van:</p> <ul style="list-style-type: none"> • V50-58: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V59: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Motorcycle:</p> <ul style="list-style-type: none"> • V20-28: where the 4th character is .4 (driver), .5 (passenger), .9 (unspecified rider) • V29: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified rider) <p>Three-wheeled motor vehicle:</p> <ul style="list-style-type: none"> • V30-38: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V39: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Heavy transport vehicle:</p> <ul style="list-style-type: none"> • V60-V68: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V69: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Bus:</p> <ul style="list-style-type: none"> • V70-78: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V79: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Special vehicles (industrial, agriculture, construction, all-terrain): V83-V86</p> <ul style="list-style-type: none"> • where 4th character is .0 (driver), .1 (passenger), .3 (unspecified rider) 	<p>Car:</p> <ul style="list-style-type: none"> • V40-48: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V49: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Pick-up truck or van:</p> <ul style="list-style-type: none"> • V50-58: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V59: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Motorcycle:</p> <ul style="list-style-type: none"> • V20-28: where the 4th character is .4 (driver), .5 (passenger), .9 (unspecified rider) • V29: where the 4th character is .5 (passenger), .6 (unspecified occupant) <p>Three-wheeled motor vehicle:</p> <ul style="list-style-type: none"> • V30-38: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V39: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Heavy transport vehicle:</p> <ul style="list-style-type: none"> • V60-V68: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V69: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Bus:</p> <ul style="list-style-type: none"> • V70-78: where the 4th character is .5 (driver), .6 (passenger), .9 (unspecified occupant) • V79: where the 4th character is .4 (driver), .5 (passenger), .6 (unspecified occupant) <p>Special vehicles (industrial, agriculture, construction, all-terrain): V83-V86</p> <ul style="list-style-type: none"> • where 4th character is .0 (driver), .1 (passenger), .3 (unspecified rider)

 These data do not need to be cleaned to the same extent that they are cleaned for federal data systems. From the 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?

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:	
Child Death Review Coordinator	Name:	Phone Number:
	Email:	
Medical Examiners or Coroners	Name:	Phone Number:
	Email:	
State Administrator	Name:	Phone Number:
	Email:	
Hospital Epidemiologist(s)	Name:	Phone Number:
	Email:	
Local Governors Highway Safety Association Administrator	Name:	Phone Number:
	Email:	
Other:	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. 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 state/jurisdiction?	Does the system contain the data you are looking for?
ED, Hospitalization and Death Data Systems			
Healthcare Cost and Utilization Project (HCUP)			
National Emergency Medical Services Information System (NEMSIS)			
Syndromic Surveillance System			
The National Trauma Data Bank® (NTDB®)			
Crash Reporting System			
Other:			
ED Visit Data Systems			
Emergency Department (State Emergency Department Databases; HCUP-SEDD)			
National Electronic Injury Surveillance System (NEISS)			
National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP)			
Other:			

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Hospitalization Data Systems			
Hospitalization (State Inpatient Databases; HCUP-SID)			
Kids' Inpatient Database (HCUP-KID)			
Other:			
Other:			
Death Data Systems			
Child Death Review			
Vital-Statistics Office			
Fatality Analysis Reporting System			
Other:			

Guiding Questions

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

If your state/jurisdiction does not have or report to any of these systems, ask the individuals listed in the second table (page 2) if they can think of other data systems or ways to collect the data described on page one of this worksheet.