
DEVELOPING DATA FOR CHILD PASSENGER SAFETY PROGRAMS

NATIONAL TRANSPORTATION IN INDIAN COUNTRY CONFERENCE
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TRIBAL INJURY PREVENTION RESOURCE CENTER



TRIBAL INJURY
PREVENTION
RESOURCE CENTER

LEARNING OUTCOMES

- Define problem statement, observational survey, and assessment.
- List ways to conduct an assessment.
- Explain why analyzing an assessment is important.
- Demonstrate how to calculate raw data into car seat usage rate(s).
- Analyze and discuss risk and protective factors.



PROBLEM STATEMENT

- A **problem statement** is a concise description of an issue to be addressed or a condition to be improved upon.



COMMUNITY READINESS

- **Community readiness or “social will” – community support for intervention.**



WHAT IS AN ASSESSMENT?

The process of making a judgement or forming an opinion, after considering something or someone carefully.

- It can define a community safety concern(s)
- Evaluate population knowledge of subject matter(s)
- Provides data
- Identifies risk factors and behaviors
- Identifies available resources



ASSESSMENT PURPOSE AND BENEFITS

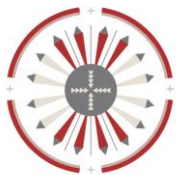
- Can be useful to the community to identify factors that have a lasting effect.
- Help with decisions for issues that were identified as priorities.
- Can be useful in addressing needed task forces and traffic safety committees (if none exist).





4 TYPES OF ASSESSMENTS

- Case Study/Research (Reviewing archival or existing records)
- Verbal/Interview (Using a developed questionnaire)
- **Written (Paper Survey)**
- **Observational Survey**



WAYS TO CONDUCT A SURVEY



- Online Survey Format
- Email Survey Document
- In-person survey (written/verbal)
- In-person observations



ANALYZING THE ASSESSMENT

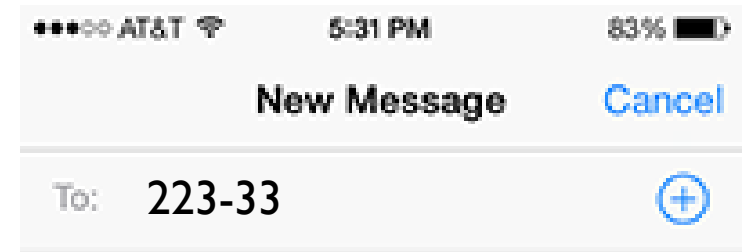
- Data can be used when applying for funding.
- Provides a baseline, or “beginning” of your program for later impact evaluation.
- Helps identify community risk and protective factors.
- Can be used to raise community awareness and/or provide leadership with information on an issue.
- Can aid in intervention selection.



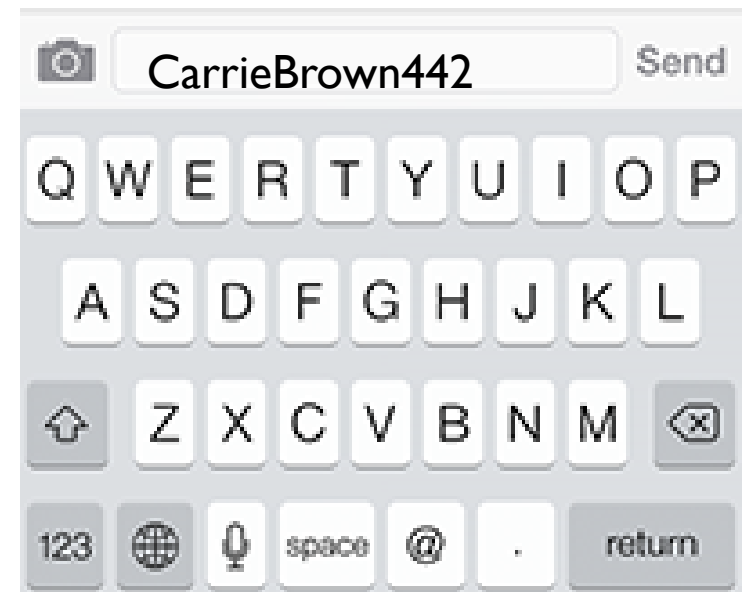


We're going to do some polling in real-time using personal technology!

- Take out your cell phone!
- Text CarrieBrown442 (all one word) to phone number 22333.
- Once you have joined the conversation via phone, you will receive a confirmation.



EXAMPLE



DO YOU TRANSPORT CHILDREN DAILY?

- A. Yes, In my personal and work environment.
- B. Yes, Only in my personal environment.
- C. Yes, Only in my work environment.
- D. No, I do not transport children daily.

*Text only the letter of your response to 22333.



HOW MANY CHILDREN DO YOU TRANSPORT?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4+

*Text only the letter of your response to 22333.



HOW OFTEN DO YOU USE A CAR SEAT/BOOSTER SEAT?

- A. Always
- B. Sometimes
- C. Most times
- D. Never

*Text only the letter of your response to 22333.



WHEN IN A VEHICLE, DO YOU WEAR YOUR SEAT BELT?

- A. Always
- B. Usually
- C. Sometimes
- D. Rarely
- E. Never

*Text only the letter of your response to 22333.



DOES YOUR TRIBAL COMMUNITY HAVE A PRIMARY SEAT BELT ORDINANCE?

- A. Yes
- B. No
- C. Unsure

*Text only the letter of your response to 22333.



DOES YOUR TRIBAL COMMUNITY HAVE A CHILD PASSENGER SAFETY ORDINANCE?

- A. Yes
- B. No
- C. Unsure

*Text only the letter of your response to 22333.

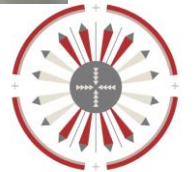


CLASS DISCUSSION:

After reviewing the polling results, if this group were a community, what might some risk factors be?

OBSERVATIONAL SURVEY

- **Observational surveys** are the observation and description of a subjects behavior. In the scope of CPS – we are observing the use of car seats.



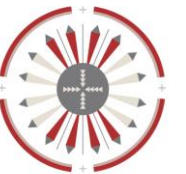
CPS OBSERVATIONAL SURVEY WORKBOOK

CPS Observational Data Workbook



TRIBAL INJURY
PREVENTION
RESOURCE CENTER

- Includes the following topics:
 - Target Population
 - Observers
 - Observation preparation
 - Observation protocol
 - Calculating usage rate
 - Forms



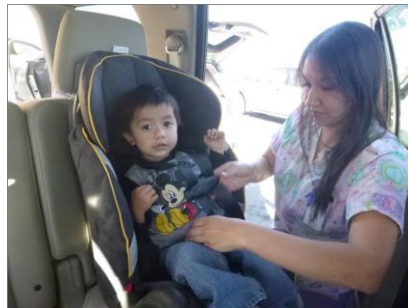
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TARGET POPULATION

- Infant and children from 0-6 years old



WHO ARE YOUR OBSERVERS?

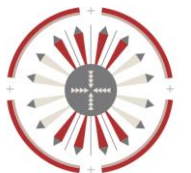


- Volunteers
- Tribal employees
- Non-profit employees
- Indian Health Service Personnel
- Health care professionals



OBSERVATION PREPARATION

- Select observation site
- Do site visit
- Inform site leadership
- Prepare informational letter (optional)
- Review data forms
- Make sure you have necessary materials



OBSERVATION PROTOCOL



- Site, time and date
- Time-based observations
- Estimate age of child (0-6years)
- Use vs Misuse
- Work in pairs if possible
- Calculate results



FORMS

Instructions:

Fill in one of these forms for each observation period at each site, and for observations before and after the intervention.

Observation Location (name of store, shopping center, street location or intersection): _____

Agency Name: _____

Grant Name (if applicable): _____

Grant Number (if applicable): _____

Observer Name	
Site Location or Description	
Date	
Day of the Week	
Time of Day	
Weather	
Total Restrained Children	
Total Unrestrained Children	
Total Children Observed	
Total Vehicles Observed	
Total Vehicles with Children Not Observed	
Comments	

SITE FORM

Instructions: Fill out one (or more if needed) of this form for each observation session.

Agency Name _____ Page __ of __

OTS Grant Number (if applicable) _____

Date _____

Day (circle one): M T W TH F Sat Sun

Start Time: __: __ am/pm Site Name _____

End Time: __: __ am/pm Name of Observer #1: _____

Total Time: _____ minutes Name of Observer #2: _____

Check one: Baseline/Before Intervention Post/After Intervention

Observation #	Children 0-6 Restrained		Children 0-6 Unrestrained	Unable to Observe	
	Child in car seat? (give number restrained)	Child in seatbelt? (give number restrained)	Children Unrestrained	TOO HIGH/TINT	OTHER (SPECIFY)
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOTALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OBSERVATION FORM

Agency Name: _____

Grant Name (if applicable): _____

OTS Grant Number (if applicable): _____

SITE (specify location)	Children 0-6 Restrained?		Unable to Observe	
	YES	NO	TOO HIGH/TINT	OTHER (specify)
#1				
#2				
#3				
#4				
#5				
#6				
Total				

SUMMARY FORM

CALCULATING USAGE

Agency Name: Tribal Injury Prevention Resource Center
 Grant Name (if applicable): FY 2020 Indian Highway Safety OP Grant
 OTS Grant Number (if applicable): OP-19-39

SITE (specify location)	Children 0-6 Restrained?		Unable to Observe	
	YES	NO	TOO HIGH/TINT	OTHER (specify)
#1	5	5		
#2	7	4		
#3	4	7		
#4				
#5				
#6				
Total	16	16		

$$\begin{aligned}
 &\text{Percent Restrained (\%)} = \frac{\text{Total Restrained}}{\text{Total Children Observed}} \times 100 \\
 &50\% = \frac{16}{32} \times 100
 \end{aligned}$$

EXERCISE!

- You will break up into groups.
- Each group will be given observational forms with mock data on them.
- You will need to compile the information on the observational forms onto the summary forms and compute your community's car seat usage rate.
- After reviewing the polling results AND observational surveys, identify at least ONE risk factors be.
- Report back to the class what your usage rate is.


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QUESTIONS???





Yakoke!
Pesa Mu!
Ahe'hee'
(Thank you!)

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