

## **Data-Driven Decision Making Activity #3**

### **PACE Data Training, July 2022**

**Understanding how to use data to make decisions is really important! Data-driven decision making is useful in reducing bias, identifying needed data, finding reliable sources, responsibly interpreting the data, and effectively communicating found information.**

**When using data to make decisions, many different factors should be considered in order to ensure one is using and interpreting data responsibly. The following activity is designed as a practice activity to give you the experience, when thinking through different situations, on how to use data for decision making.**

#### **Instructions**

1. In small groups, read the assigned vignette:
  - a. You are working as a principal at a local high school in Oakland County. There has been an increase in teachers reporting higher rates of bullying in the hallways between classes. You have recently become a Michigan Community Champion and realize that bullying can be a risk factor of adverse childhood experiences. You decide to make a report to illustrate the most recent trends from 2017 to 2021 on bullying to present at the next school board meeting. Using the MI ACE Dashboard and the Step-by-Step guide to data interpretation, how would you put together a brief summary on bullying rates in Oakland County from 2017 to 2022?

Your group may want to consider:

- b. What is the mission or purpose of gathering data?
  - c. What types of data are needed?
  - d. What are the data saying?
  - e. What patterns are you noticing?
  - f. How will you share the data and information you found?
2. Work together to complete each step of the data interpretation activity using the MI ACE Dashboard and Step-by-Step Guide.
3. In each step, make note of what additional support is needed for an ACE prevention campaign.

Your group may want to consider:

- a. Required Funding
- b. MPHI Resources
- c. Additional Researchers
- d. Needed Software

Step-by-Step	Questions for Thought		What additional support or information is needed to ensure this step is completed responsibly?
<b>Step 1:</b> <b>Identify the mission</b>	<ul style="list-style-type: none"> <li>• What decision are you trying to make?</li> <li>• What question are you trying to answer?</li> <li>• Who is the target population?</li> <li>• Why do you need to gather data?</li> </ul>	<b>Mission:</b>	
<b>Step 2:</b> <b>Identify what data you need</b>	<ul style="list-style-type: none"> <li>• What data will you need to reach your mission?</li> <li>• Are there data already available?</li> <li>• Will you need to collect primary data?</li> <li>• Do you need national, state, or county level data?</li> </ul>	<b>Information Needed:</b>	
<b>Step 3:</b> <b>Identify source(s) of data</b>	<ul style="list-style-type: none"> <li>• How can you get the data you need?</li> <li>• How can you access existing data?</li> <li>• Where did you find the data to support your mission?</li> </ul>	<b>Source(s) of Data:</b>	

<b>Step 4:</b> <b>Make sense/interpret of your data</b>	<ul style="list-style-type: none"> <li>• What are your data saying?</li> <li>• How do the data compare to other sources and populations?</li> <li>• What patterns are you noticing?</li> <li>• Who is the population?</li> <li>• What is the highest and lowest value?</li> <li>• Why were the data collected?</li> <li>• What would you need to do to ensure your interpretation is accurate?</li> </ul>	<b>What is your interpretation of the data?</b>	
<b>Step 5:</b> <b>Use/Share data</b>	<ul style="list-style-type: none"> <li>• What would you need to include in the report to share findings with others?</li> <li>• Who needs to know about these data?</li> <li>• How could you communicate with stakeholders about the data used to make your decision?</li> </ul>	<b>How would you communicate your findings?</b>	