

Data-Driven Decision Making Activity #1

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 an early education professional in Genesee County and have recently become a Michigan Community Champion. At lunch, you are sharing with your supervisor and colleagues the importance of preventing adverse childhood experiences (ACEs) in your community. Your supervisor asks you to pull together some information on the biggest risk factors children are facing within Genesee County for an ACE prevention campaign. Using the MI ACE Dashboard and the Step-by-Step guide to data interpretation, how would you put together a brief proposal for an ACE prevention campaign?

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

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