

## CAP Center Core Principle 4: Data and Outcomes

### CAP Center Core Principles

The CAP Center is built on four core principles necessary for the design, implementation, monitoring, and evaluation of pharmacy interventions that have optimal impact and are sustainable.



- **Data & Outcomes** – It is imperative that your intervention’s impact is measured with meaningful, practice-based data collection to demonstrate the value of the intervention.
- During the design phase of the project, it is critical that a research question and sub-questions are created. These questions will determine what outcomes the intervention can expect to achieve, and the data necessary to demonstrate those outcomes. It is important to only collect the data that is necessary.
- Some of the questions that need to be answered:
  1. Who will collect the data?
  2. Where will the data be collected?
    - a. Examples include on-line automated entry through routine patient care, manual entry into software, paper recording and entered digitally later
  3. Who will analyze your data?
  4. How will you communicate intervention results back to those implementing it in a timely and easy to understand manner?
- The **purpose** of data and outcomes is to have the evidence necessary to demonstrate the efficacy of the intervention, and to persuade others that they can expect similar outcomes if they implement that intervention. This occurs through peer-reviewed publications, presentations, and sharing the information with the state of North Dakota and beyond via meetings and newsletters.

### FAQ:

How can the CAP center assist me with data analysis?

*The CAP Center can help to ensure that you set up your project to collect the appropriate data and connect you with the correct individual or team who can assist with data analysis.*

What can I do after I have my data? Can the CAP Center help me interpret it?

*The CAP Center has access to a number of faculty members and graduate students with expertise in biostatistics and data analytics.*

What if my data and outcomes do not show the impact I had hoped?

*The CAP Center can help you identify areas of weaknesses and offer suggestions for changes in your intervention that may bring about the outcomes you are looking for.*

I have never written a manuscript before. How can the CAP center help me with this?

*The CAP Center team members have experience publishing a variety of types of scientific papers in different types of journals, so they are well-positioned to guide you in this process. It is also possible that you would include one of them as an author on your manuscript, as it is common to include senior researchers whose primary role is oversight of the manuscript preparation as last author on a manuscript.*

Will the CAP center have opportunities to present my research? Can they help me find different opportunities to present my research?

*The CAP Center will convene occasional research presentation events where participants in the CAP Center will be able to present their work.*