Choosing What to Measure in Data Driven Decision Making

May 9, 2013 PITMA Meeting, Santa Barbara, CA

Course Description: This course will assist Leaders from Probation Departments by:

1. Understanding how to manage a data driven process;
2. Showing how to create a successful data plan for using data;
3. Demonstrating how to choose measures based on projects

Instructors: Kevin O'Connell and Dr. Natalie Pearl

Schedule:

Time	Topic
1:00-1:10	Introduction and Overview
1:10– 2:00	Building Blocks of Data Driven Decision Making
2:00-2:45	Sources of Data for Being Evidence Based
2:45-3:00	Break
3:00: – 5:00	Creating Outcome Measures Based on Project Needs

1. **Welcome** (5 min.)
2. **Course Overview and Agenda** (15 min.)
3. Building blocks of data driven decision making
    a. Provide the framework of data driven decision making and EBP (30 min.)
    b. Project planning and management (20 minutes)
4. Sources of data for being evidence based
    a. Use of R/N tools, correctional planning checklists, for data driven planning (30 min)
    b. Logic Models and Outcome measures (15 min)
5. **Break (15 minutes)**
6. Creating Outcome Measures Based on Project Needs
    a. Understanding the link between program goals and outcome measures(20 min)
    b. Group Exercise: Outcome Measures for Internal Stakeholder (90 min)
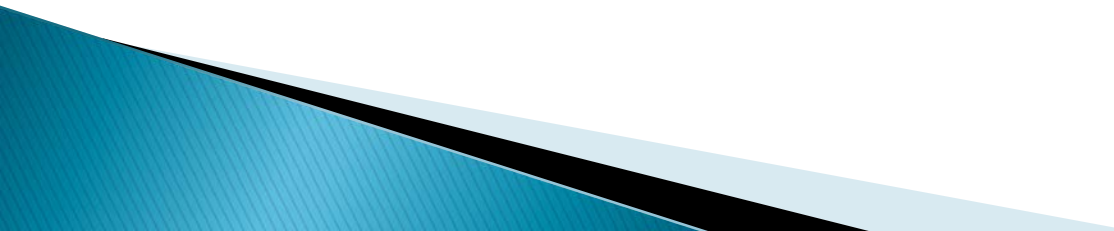7. **Wrap-up and Feedback**

Using Information to Support Evidence Based Practices

Kevin O'Connell
Natalie Pearl, Ph. D

May 9, 2013

Goals for the Training

- Provide a Framework for Visioning the Role of an IT Manager within an Evidence Based practice based (EBP) Organization
- Provide a Tool for Supporting EBP Driven Information Management
- Provide the Opportunity to Practice using an Evidence Based Scenario

Visioning Your Role

- What type of research based trainings have you attended?
  - What did you like about it?
  - What suggestions do you have for improvement?
- What strengths do you bring to your role?
  - What areas would you like to strengthen?

Visioning Your Role

- Describe your department's strengths in research and analysis
  - Where do you see room for improvement
- Describe the ability of your justice partners to share and utilize information
- Within the goals of the training, what would you like to have answered?

Leadership

- Manager vs. Leader
  - Big picture to details and back again
  - Asking difficult questions
- Providing Recommendation(s) with articulated PROs and CONS
- Project from soup to nuts
  - Project management
  - Reasonable expectations / promises
  - Quality assurance
    - Back to big picture

Interpreter

- The goal is to bridge the gap
  ◦ Understand the purpose of the project
  ◦ Understand the context
  ◦ Understand the stakeholders
  ◦ Understand the deadlines
- What are you bringing back to the table
  ◦ What are the definitions
  ◦ What is the availability
  ◦ How will it be heard and received

Has this happened to you?

- Who successfully completed the program last year?

- How do you define success?
- What do you mean by completed?
- We only started collecting this 2 months ago
- Do you want individuals or aggregates?
- Is this a one time request, or do you want an ongoing report written?

The stakeholder says

You think

Proactive Program Partner

- Information gathering methods
  - Ask specific questions
  - What does success mean?
  - Set up a time to go and observe the program
  - Accepts an invitation or sets up a meeting to check their understanding
- Why is this useful?
  - Is this a temporary or permanent attribute?
  - Does tracking need to have dates, and retain statuses?
  - Provide context for the request, is the process really linear?

Residential Re-Entry Center Program: Does it work?

The Board of Supervisors funded an outside vendor to run a 100 bed residential re-entry center for Mandatory Supervision clients from July 1, 2012 to June 30, 2013. The contract is ending for the program and the department wants to show its benefits as an argument for continued funding.   The center provides cognitive programs, vocational training, and housing assistance. Probation officers make referrals based on the assessed needs of the client. The length of time in the center is decided on a case by case basis. Your chief wants answers to the following questions:

- How many people were successful?

- How many people received services and did they match the assessed need?

- What were the characteristics of successful and unsuccessful participants?

Definitions

Operational Question: A question that is measurable and includes only one piece of information

Data Elements: List all of the information you will need to answer your question

Calculation: What calculations do you need to perform on the data to answer the question?

Validity Assessment: How will you do a double check to ensure your answer is correct?

1. How Many People were Successful?

#	Operational Definition	Data Elements required/Calculation	Data Source	Validity Assessment?
1	Number of people with new charges	-Date of referral -Date of program exit -new charge, yes or no -date of new charge filed =Did the person have a new charge filed by the DA after the date of referral and before the date of program exit	Program tracking spreadsheet Probation CMS DA charge file	How does this number compare to thr number of charges in other populations?
2				
3				
4				
5				
6				

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2				
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4				
5				
6				

2. How many people received services and did they match the assessed need?

#	Operational Definition	Data Elements required/Calculation	Data Source	Validity Assessment?
1				
2				
3				
4				
5				
6				

3. What were the characteristics of successful and unsuccessful participants?

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1				
2				
3				
4				
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6				