

**PRESENTATION TYPE: Technology Demonstration**

**CATEGORY/THEME: Implementation Science**

**TITLE: Using Technology to Engage Stakeholders in Evidence-based Prevention Intervention Implementation**

**ABSTRACT BODY:**

**Introduction:** While evidence-based preventive interventions proliferate, high quality implementation and sustainability are necessary to achieve public health impact. Implementation generally occurs as a planned change process. The Integrated System for Program Implementation and Real-time Evaluation, INSPIRE, is an integration platform designed to be used as part of this process to improve the quality of EBI implementation by engaging four critical stakeholder groups; Policy makers/funders; the prevention delivery system; the prevention support system, and the prevention synthesis system (Wandersman, et al., 2008). INSPIRE is a joint effort between Penn State's Prevention Research Center and the Department of Industrial and Manufacturing Engineering.

**Methods:** INSPIRE provides actionable information in real-time, allowing those responsible for program implementation, support, and funding to enter and view the same data in formats that apply directly to their responsibilities. This poster will present the results of a pilot trial using INSPIRE to collect and uniquely present child outcome, program implementation, and service delivery data to each of the four stakeholder groups responsible for Multidimensional Treatment Foster Care (MTFC) in Pennsylvania. Research questions include; How were the data used by each stakeholder group? Did the data products meet the needs of each stakeholder group? What actions were taken by the stakeholders to increase program quality or sustainability? What data products did the program developer find useful for potential program improvements.

**Results:** The results presented will highlight how program relevant data fragmented across systems can be integrated and translated into products used to make rational program delivery, technical assistance, and resource allocation decisions that increase the likelihood of high quality implementation and program sustainability. The potential for INSPIRE to collect and house large amounts of data that can be mined for discovery also will be presented.

**Conclusions:** The proposed session will demonstrate promising technology for type 2 translation efforts. Participants will be asked to provide ideas about how to improve the features and functionality of INSPIRE as well as how to improve the processes that the technology seeks to influence.