Factors Impacting Implementation of Screening, Brief Intervention, and Referral to Treatment (SBIRT) Programs

September, 2013

Presentation Overview

- Background
- Methodology
- Preliminary Results
  - Implementation Stages
  - Program Specific Findings
  - Implementation Outcomes
- Conclusions & Implications
- Next Steps

Implementation Stages: Definitions from the Literature

Fixen and Colleagues (2005)

- Exploration and Adoption

- Program Installation

- Initial Implementation

- Full Operation

Implementation Outcomes

(Proctor et al, 2011)

- Acceptability – SBIRT is seen as agreeable, palatable, or satisfactory
- Adoption – initial effort to implement an SBIRT
- Appropriateness – SBIRT is perceived to be a good fit for addressing substance use
- Cost – implementation cost of SBIRT
- Feasibility – SBIRT may practically be carried out
- Fidelity – SBIRT implemented as designed
- Penetration – SBIRT is integrated in service settings/subsystems
- Sustainability – SBIRT is stably maintained

Blended Model: Stages & Outcomes

Implementation Stage	Implementation Outcome
Exploration & Adoption	Acceptability, Appropriateness
Program Installation	Adoption, Feasibility
Initial Implementation	Fidelity, Cost
Full Operation	Penetration, Sustainability

Methodology

- Documentation review
  - Proposals, annual/quarterly reports, service delivery materials, etc.
- Site Visits Semi-structured interview data
  - 4 program
  - 171 semi-structured interviews
    - Key stakeholders, administrators, service providers, evaluators
  - ATLAS.ti qualitative analysis

Implementation Stages: Application of SBIRT

- Installation/Start up
- Initial or Partial Implementation
- Full Implementation

Factors Impacting Implementation: *Installation/Start up Stage*

- Leadership and Champions
- Staff Training and Qualifications
- Staff Buy in and Comfort with SBIRT
- Policies regarding SBIRT
- Patient Factors

Factors Impacting Implementation at *Initial Implementation Stage*

- Integration

- Communication and Coordination

- Workload

- Research Data Collection (GPRA)

- Adherence to evidence base

- Staff Training and Qualification (* also theme in start up)

Factors Impacting Implementation at *Full Implementation Stage*

- Patient Volume
- Partnerships
- Funding
- Sustainability
- Staff Retention
- Impact
- Patient Factors (*also theme in start up)

Factors Impacting Implementation
Program Specific

- Patient/Culture factors (local/patient culture, rural/distance)

- Adherence to evidence base (inaccuracy of prescreen questions)

- Staff buy in and comfort with SBIRT (incentives)

Findings Mapped to Implementation Outcomes

Outcome (Proctor et al., 2011)	SBIRT Themes
Acceptability	Leadership/champions, staff buy-in, patient resistance, cultural issues
Adoption	Cultural shift to MI, bureaucracy/regulation
Appropriateness	Impact, patient volume
Cost	Adequate financial resources
Feasibility	Implementation, IT
Fidelity	Staff training, QA, supervision, inaccuracy of screening
Penetration	Integration, communication/coordination
Sustainability	Sustainability

Conclusions & Implications

- Factors in earlier implementation stages appear to be similar across grantees
- Grantees tend to diffuse in later stages of implementation
- Preliminary key outcomes appear to be in line with the research literature

Next Steps

- Modeling to assess the impact of barriers and facilitators on patient outcomes, as mediated by implementation outputs

- Implementation outcomes

- Ecological framework and examining factors at multiple levels

- Synthesizing outcomes across models to assure convergence

Next Steps:
Ecological Approach to Implementation

State/Regional/National

Grantee

Community

Site

Team

Clinician

Patient