

College of Behavioral & Community Sciences

APPLYING IMPLEMENTATION SCIENCE TO SCHOOL MENTAL HEALTH AND VIOLENCE PREVENTION PROGRAMS

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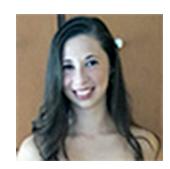
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STUDY TEAM

ABOUT THE STUDY

Funded by NIJ to study implementation of STOP Programs

Cross-site survey to assess broader experiences from a large sample

Case studies to understand local contexts and factors among smaller sample

IMPLEMENTATION SCIENCE

WHAT IS IMPLEMENTATION SCIENCE?

"The scientific study of methods to promote the systemic uptake of research findings and other evidence-based practices into routine practice"

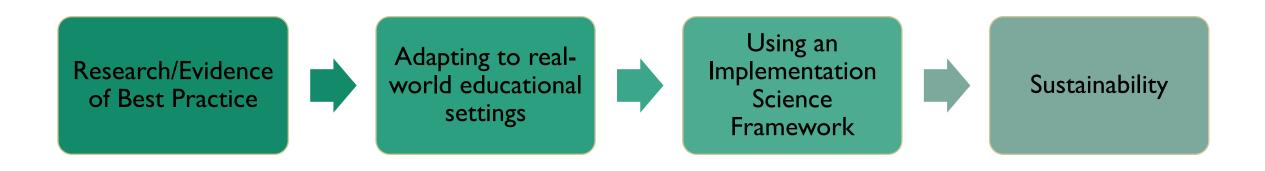
(Bauer, Damschroder, Hagedorn, Smith, & Kilbourne, 2015)



Bridging the gap between research and real-world practice

IMPLEMENTATION SCIENCE IN EDUCATION / MENTAL HEALTH & VIOLENCE PREVENTION

"...attention to program implementation remains, for the most part, an **optional** consideration..." (Nordstrum, et al., 2017)



HOW WAS IS USED FOR OUR STUDY?

Implementation Science Framework

Research Questions

Data Collection

Findings related implementation and sustainability

NIRN MODEL

NATIONAL IMPLEMENTATION RESEARCH NETWORK (NIRN) FRAMEWORK

- Four Stages: Exploration, Installation, Initial Implementation, and Full Implementation
- Continuous process/non-linear
- As time passes and organizational changes occur, the stages of implementation should be re-addressed

IMPLEMENTATION STAGES

Exploration

- Assess Needs
- Examine Intervention Components
- Consider Implementation Drivers
- Assess Fit

Installation

- Acquire Resources
- Prepare Organization
- Prepare Implementation Drivers
- Prepare Staff

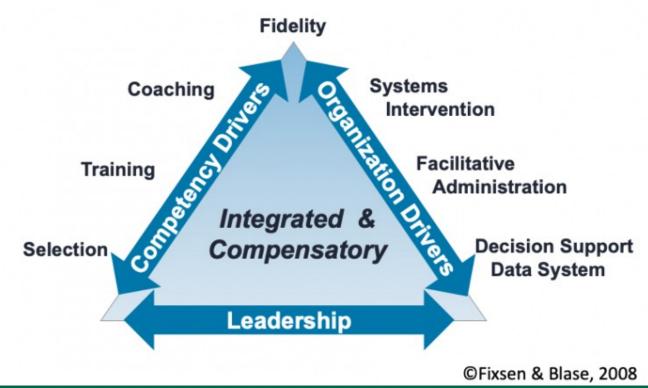
Initial Implementation

- Adjust Implementation Drivers
- Manage Change
- Deploy Data Systems
- Initiate Improvement Cycles

Full Implementation

- Monitor & Manage Implementation Drivers
- Achieve Fidelity & Outcome Benchmarks
- Further Improve Fidelity and Outcomes

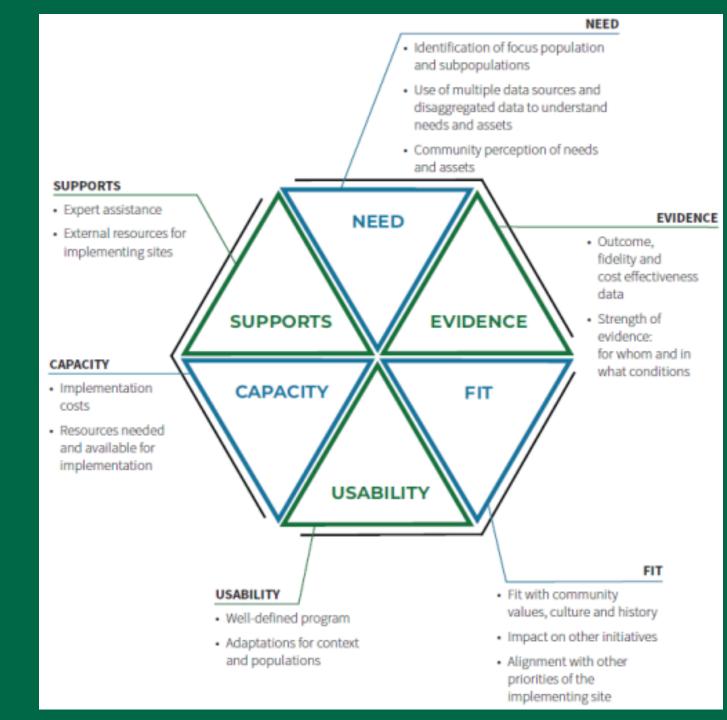
Implementation Drivers



IMPLEMENTATION DRIVERS

https://nirn.fpg.unc.edu/ai-hub

USING NIRN HEXAGON TOOL TO DEVELOP SURVEY



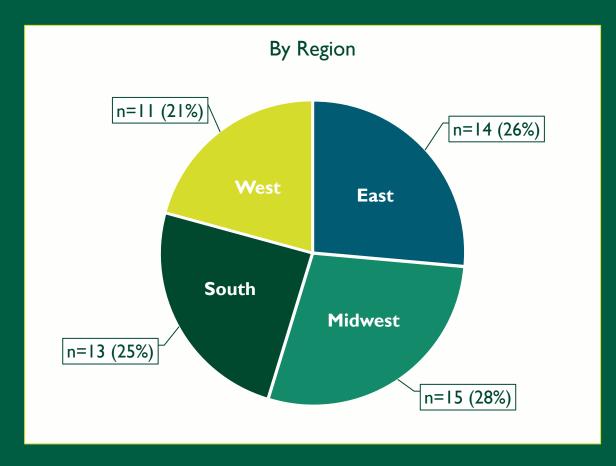
FINDINGS

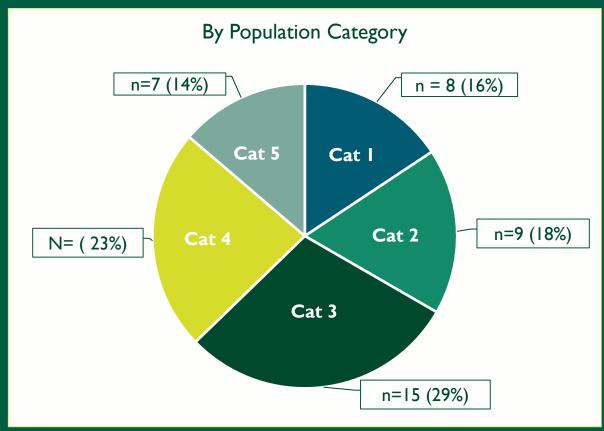
QUALITATIVE INTERVIEWS

- Case study interviews across six sites
- Participants were at differing levels of implementation
- Most reported a limited knowledge of implementation science
- Participants rated the effectiveness of their programs implementation a six or higher
- Participants highlighted the benefits of strong communication as a facilitator to the strength of implementation

SURVEY FINDINGS

GRANTEE PARTICIPATION IN SURVEY (N = 52)





Category I = state, pop > 5mil

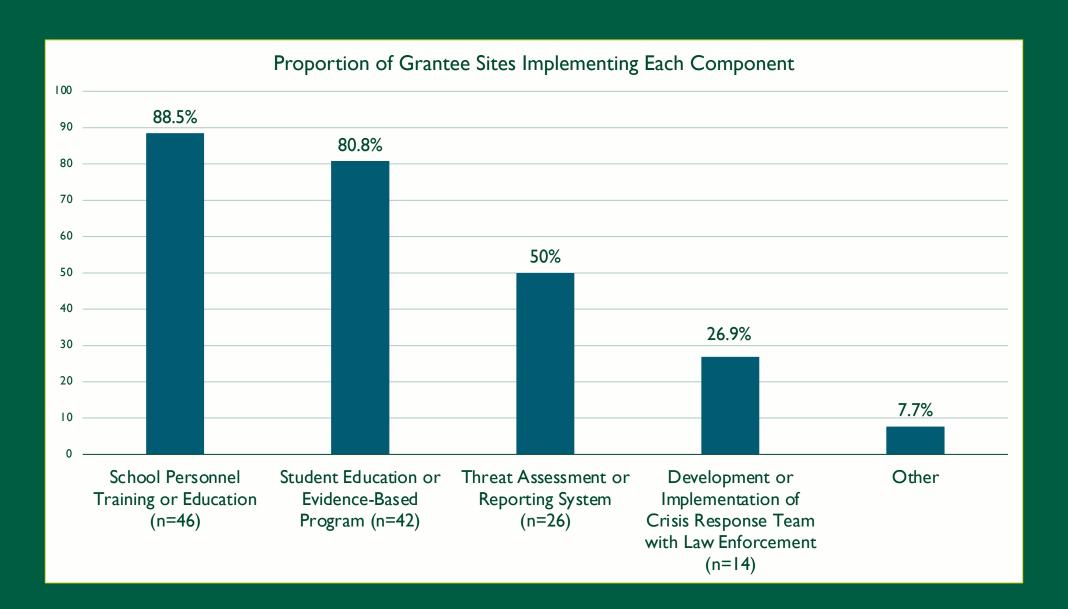
Category 2 = state, pop < 5mil

Category 3 = urban area/large county, pop > 500k

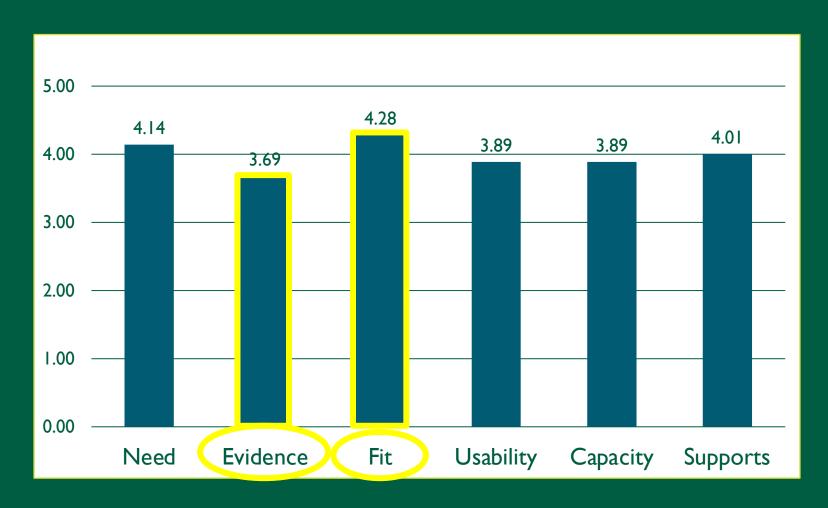
Category 4 = suburban area/medium county, pop 100k – 500k

Category 5 = rural area/small county, pop < 100k

PROGRAM COMPONENTS

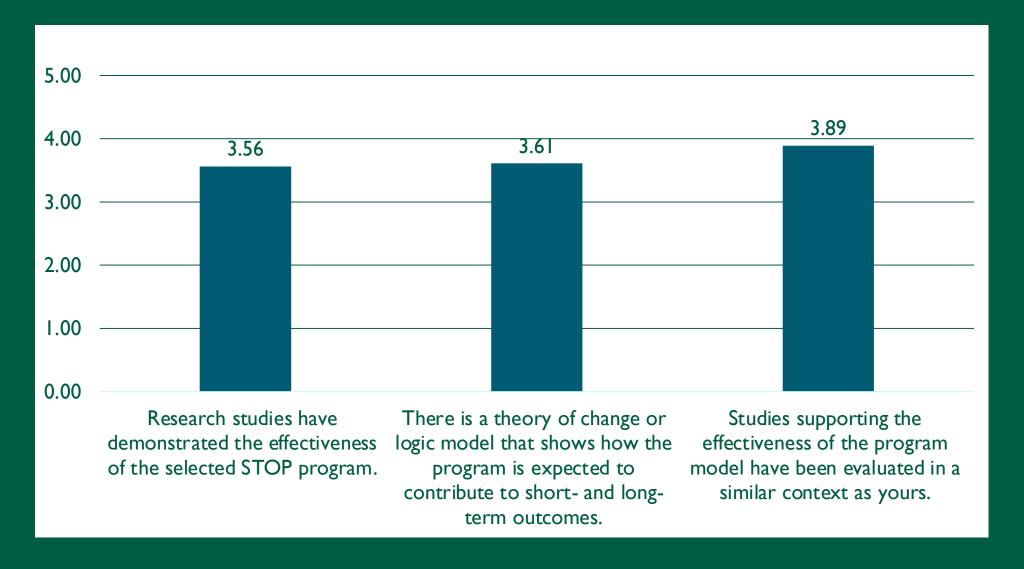


IMPLEMENTATION FACILITATORS AND BARRIERS

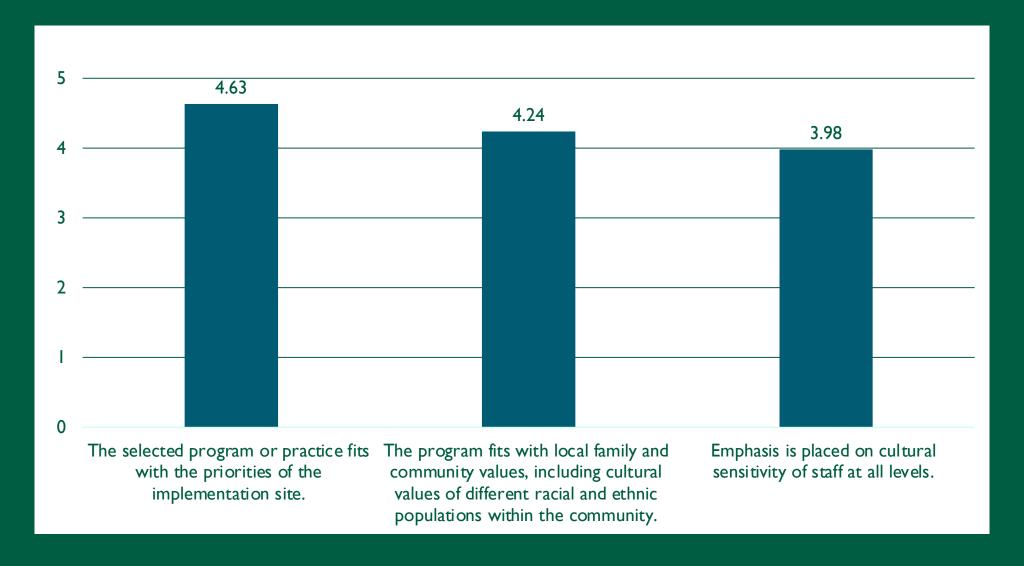


The following scale was used: 1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree

EVIDENCE



FIT



BARRIERS AND FACILITATORS

Facilitators Barriers Training in mental health, trauma, risk Social and emotional impacts of behaviors, SEL, and intervention strategies pandemic on students Addressing inclusion by enhancing social Staff turnover and lack of buy-in from staff and administrators supports and connections for students Prioritization of academics over social Developing resource centers and providing funding for concrete needs and emotional learning Racial unrest and need to address social Implementing collaborative initiatives and equality as part of school safety partnering with local agencies

COVID IMPACT

Challenges

- Lack of in-person meetings
- Training cancellations
- Stress and anxiety among teachers and students
- Inadequate staff to address mental health

Strengths

- Prioritization of mental wellbeing
- Enhanced innovation
- Inter-school collaborations
- New uses of technology

Opportunities

- Hiring additional personnel
- Prioritizing professional development
- Establishing crisis responses
- Developing clear goals and plans

INFORMING SCHOOL INITIATIVES

LESSONS LEARNED FROM THE STUDY

Few sites were aware of implementation science – could this have improve experiences?

Population level or region didn't have significant impact on experiences

Adaptations to the pandemic led to reassessment of core implementation components

Importance of collaboration was highlighted

Academics prioritized in many cases — implications for MH/VP programs





Plan school-based and collaborative initiatives (Odom, et al., 2014)



Build into grant proposals



Determine Readiness



Assess existing implementation efforts and determine needs



Understand barriers to effective implementation (Meagher, et al., 2021)

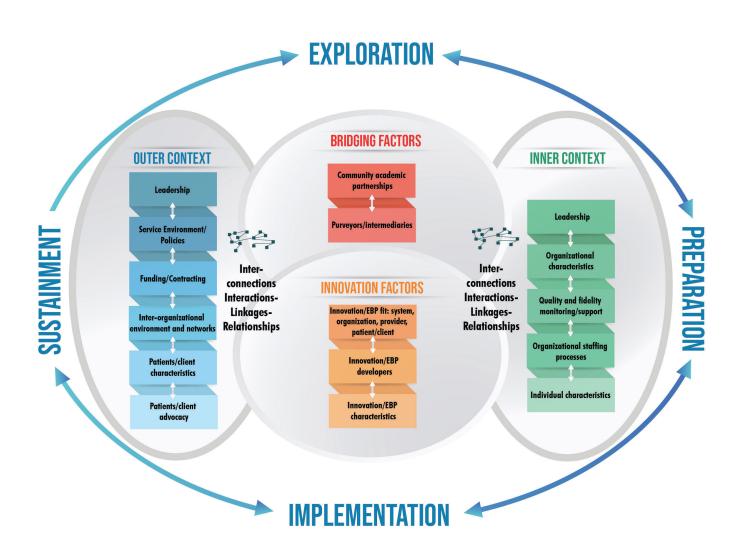


Enhance partnerships and community relationships



Provide quality assurance

EPIS
(EXPLORATION,
PREPARATION,
IMPLEMENTATION,
SUSTAINMENT)



www.episframework.com

GIP (GENERIC IMPLEMENTATION FRAMEWORK)

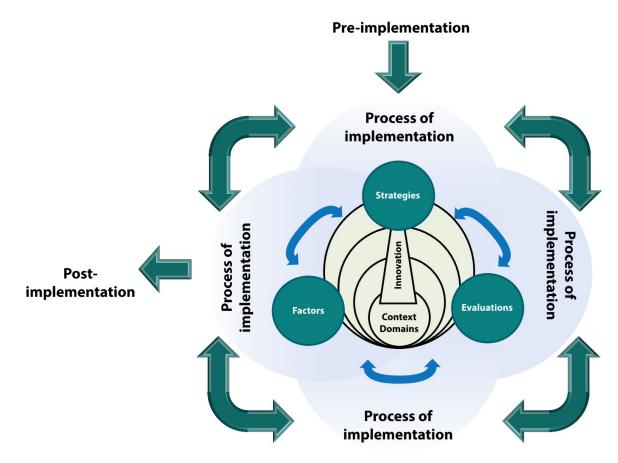


Figure 2 Generic Implementation Framework (GIF).

SAMHSA SAFE SCHOOLS HEALTHY STUDENTS IMPLEMENTATION TOOLKIT

https://www.samhsa.gov/resource/ebp/safeschoolshealthy-students-frameworkimplementation-toolkit



Part of the SS/HS Framework Implementation Toolkit

I. Plan 2. Implement 3. Sustain & Expand

Evidence-Based Module Series

Module #2 Preparing to Implement Evidence-Based Programs in School Settings

The following checklist can be used as a guide as you prepare to implement, evaluate, support, and sustain your evidence-based programs (EBPs).

Establish	Partner Roles
	Establish roles.
	Create structure for effective decision making.
Logic Mo	odel .
	Define goals.
	Summarize baseline data.
	Develop objectives.
	Name the EBP.
	Describe partners' roles.
	Specify process measures.
	Specify outcome measures.
Fidelity a	and Adaptations
	Determine process to measure fidelity.
	Consider whether adaptations are necessary.
	Consult with others about adaptations.
	Pilot and document adaptations.
Impleme	ntation Team and Champions
	Identify a team to assist with logistics, personnel, data management, and
	linkages.
	Identify EBP champions to enhance engagement.

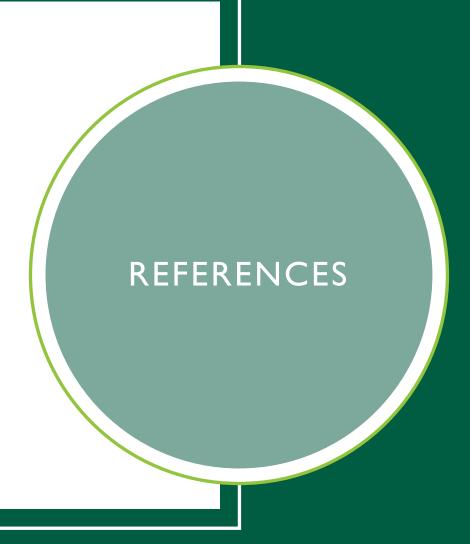
THANK YOU!

QUESTIONS/COMMENTS

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