

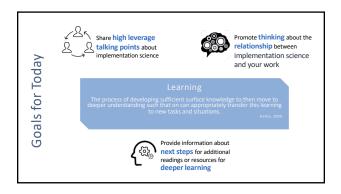
Practical Use of Implementation Science to Meet Your Community's Goals













Lets Answer these Questions Together...

- What strategies and practices are needed to ensure effective use of positive behavior supports?
- How do we ensure these strategies and practices are relevant and feasible for our different contexts (e.g., rural, urban, clinic, community) and fields (e.g., early childhood, K-12 education, adult education and services) in Minnesota?

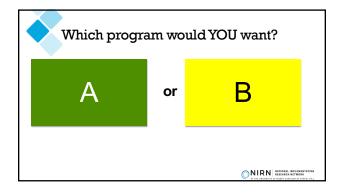
NIRN RESEARCH NETWORK

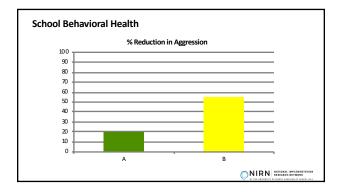
Implementation Science... He Change Process GOOD WORK, BUT I THINK WE NEED JUST A LITTLE MORE DETAIL RIGHT HERE!

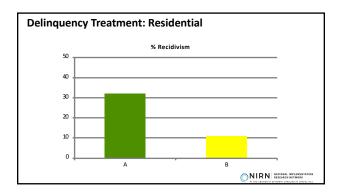
Implementation science refers to the "methods or techniques used to enhance the adoption, implementation, and sustainability" of an intervention (Powell et al., 2015)

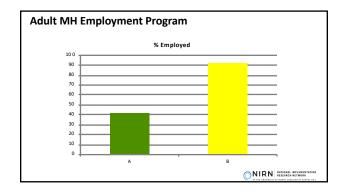
Implement = Use

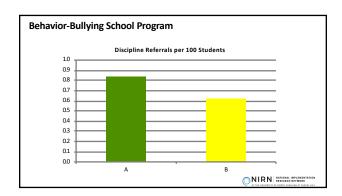


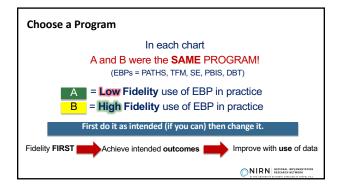


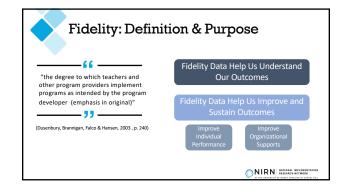






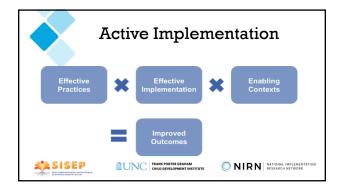


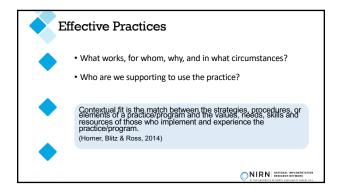


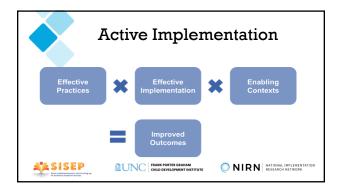


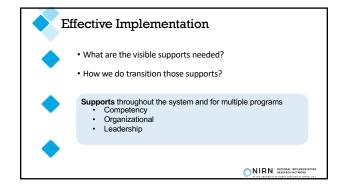
Activity: Reflect on Current Work.. Think-Pair-Share With a partner, answer the following question: 1. What do you think it takes to achieve use of your practice/program as intended? (2 min) 2. Discuss as a whole group. (2 min) 3. Post top 3 common in chat box.

Fidelity		-
The field recognizes the importance of fidelity but fidelity is integrated inconsistently in studies and usual care. Seay, et al. 2015	What does it take to achieve the use of practice as intended and its intended outcomes?	- - - -
	NIRN RESERVENCE AND THE STREET OF MONTH AND THE STREET OF MONTH AND THE AND THE STREET OF MONTH AND THE AND TH	-

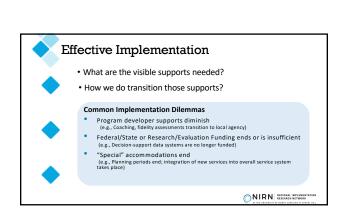


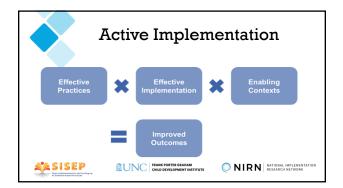


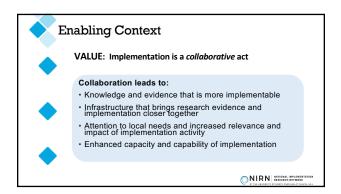


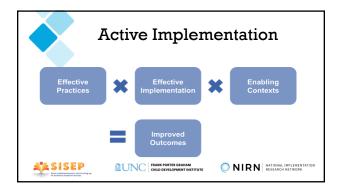






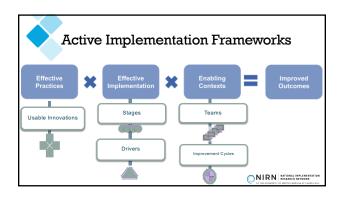


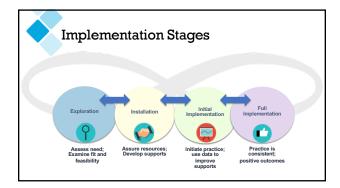


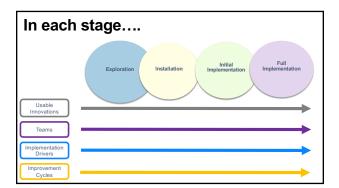


Reflection Poll Reflection Poll Reflection Foll Reflection Foll Reflection Poll Reflection Foll Reflection Poll Reflection Foll Reflection Poll Reflection Poll Nover. Are all three factors from formula present? Yes or No Comment Box If no, what is missing? If yes, what is a key factor of success? (e.g. No, supportive leadership was missing)

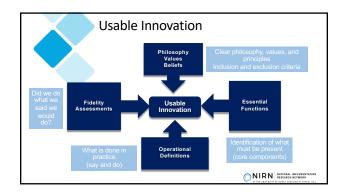














Selection Matters.....

School A (Urban - Southeast) School B (Rural - Midwest)

- Implementing PBIS for 10 years with fidelity
- Designated a "magnet" school in 2015
- Given funds \$
- Given runds \$
 Principal and magnet transition team reviewed several new programs to choose from offered by county
 Chose new program with a different underlying philosophy than PBIS and sent select group of teachers to training

- Implementing "PRIDE" for past 3 years
- District mutually selected to participate in state's MTSS program
- Principal along with teacher representation from school along with other district leaders reviewed data to determine:

 Need Resources
 Fit Capacity
 Evidence Usability
 - Resources Capacity Usability
- PBIS selected as intervention



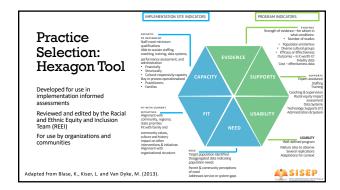


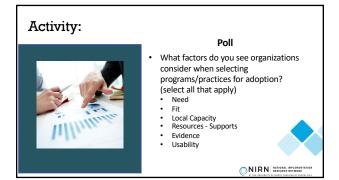
Selection Matters..... One year later

School A (Urban – Southeast) School B (Rural – Midwest)

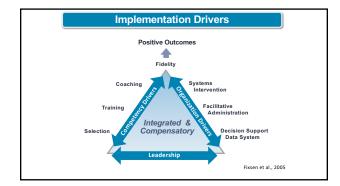
- Neither PBIS or new program used with fidelity
- Behavior and intervention referrals
- Teachers unable to explain to parents how the programs work together or aligned
- Teachers asking for training in one or the other
- Training Secured for School Teams & identified Coach for coach training
 Readiness activities engaged in with staff and community
- 1 in District Capacity and Fidelity
- School leaders and teachers able to explain why and how PBIS

NIRN NATIONAL IMPLEMENT















Designing an Infrastructure



Competency Drivers

- Selection of CMM Implementation Team differed by context
 - Single, Rural,Network,

 - · University Affiliated Training Program
- · Training of Teams:
 - Practice of CMM
 - Use of Rapid Plan-Do-Study- Act Cycles
- Coaching of Teams (N = 4 coaches):
 - Each site had access to virtual coach
- · Fidelity Measure:
 - Developed a fidelity assessment: Interviews
 - Self-Report,

 - Product Review, &
 Patient Engagement Survey
 - NIRN NATIONAL IMPLEMENT



Designing an Infrastructure



Organizational Drivers

- Decision Support Data System

 - Use of measurement strategies
 Reporting results to improve and expand
 Ensuring Consistent & Quality Care:
 Quality Assurance Processes
 - Quality Assurance Frocesses
 Practitioner Training and Coaching
- · Systems Intervention
- Practice-Policy Feedback loop established
 Stakeholder groups:
- Payer-Payee Advisory Board
- Steering Committee
 Strategic Communication Plan
- · Facilitative Administration

 - acilitative Administration

 Care Team Engagement

 Availability of support staff

 Interprofessional collaboration

 Presence and scope of CPAs

 Leadership support

 Availability and adequacy of clinic space

 Fiscal resources to support service delivery

 Rational methods to identifying patients in need of CDM

 Effective systems for patient scheduling

 Systems for efficient and effective care documentation





Outcomes of CMM use by Pharmacists in Primary Care Clinics:

Primary Care Physicians reported...

- Decreased workload
- Higher Satisfaction -patients are receiving better care
- Reassurance partnership with professional providing support to patients,
- Greater confidence in treatment recommendations
 Decreased mental exhaustion,
- Enhanced professional learning,
 Increased provider access, and
 Achievement of clinic quality measures.

Analyses being run to determine..

- What effect does CMM have on:
 - quality of care?
 health services utilization?
 cost of care?
- What is the Return on Investment (ROI) for CMM?



Funk,	Pestka,	McClurg,	Carroll,	&	Sorenson	(2018)

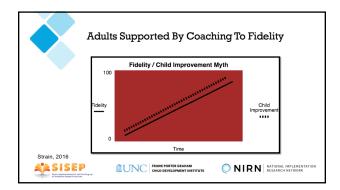
Quick Think-Pair-Share **With a partner, answer the following question regarding your current work: **Which driver is/are an area of improvement? (1 min) **What is one step you can take to improve infrastructure? (1min) **Share thoughts with a partner **NIRN*** **THINK-PAIR-Share** **With a partner, answer the following question regarding your current work: **Which driver is/are an area of improvement? (1 min) **Share thoughts with a partner **NIRN** **THINK-PAIR-Share** **With a partner, answer the following question regarding your current work: **Which driver is/are an area of improvement? (1 min) **Share thoughts with a partner **NIRN** **THINK-PAIR-Share** **ONIRN** **THINK-PAIR-Share** **With a partner, answer the following question regarding your current work: **ONIRN** **THINK-PAIR-Share** **THIN

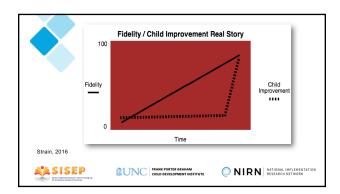


Initial - Full Implementation Case Example: Early Childhood

Pyramid Model for Supporting Social Emotional Competency

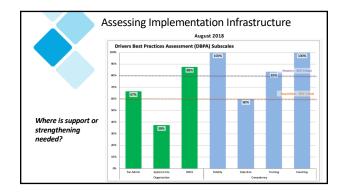


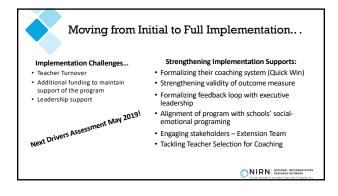


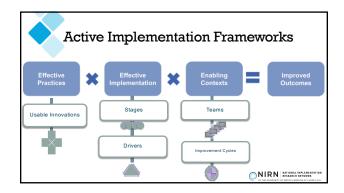


Context.. Implementation Site • Large District in Southeast • 14th Largest District in Country • Preschool eligible thru Title 1 (need of academic support) and Special Education services (need of individualized education program) • Supported by grant funding from Foundation last 5 years Program: • The Pyramid Model for Supporting Social Emotional Competence in Infants and Young Children • Practice Based Coaching • Program: • The Pyramid Model for Supporting Social Emotional Competence in Infants and Young Children • Practice Based Coaching

School Year	Pre-Coaching TPOT	Post-Coaching TPOT
2013-2014	Avg: 54% (30-77%) 21 of 30 Teachers with Red Flags (49 flags total)	Avg: 86% (57-96%) 27 Teachers at fidelity 2 Teachers with Red Flags (14 flags total)
2014-2015	Avg: 48% (30-73%) 20 of 25 Teachers with Red Flags (84 flags total)	Avg: 84% (70-92%) 17 Teachers at fidelity; 2 Teachers at fidelity from last cohort 2 Teachers with Red Flags (3 flags total)
2015-2016	Avg: 49% (33-68%) 15 of 19 Teachers with Red Flags (52 flags total)	Avg: 77% (60-95%) 10 Teachers at fidelity; 1 Teacher at fidelity from last cohort 6 Teachers with Red Flags (23 flags total)
2016-2017	Avg: 47% (31-67%) 12 of 13 Teachers with Red Flags (40 flags total)	Avg. 89% (82-95%) 10 Teachers at fidelity; 3 Teachers at fidelity from last cohort 1 Teachers with Red Flag (1 flag total)
2017-2018	Avg: 46% (32-54%) 10 of 11 Teachers with Red Flags (27 flags total)	Avg: 81% (62-91%) 6 Teachers at fidelity; 2 at fidelity from last cohort 2 Teachers with Red Flags (2 flags total)

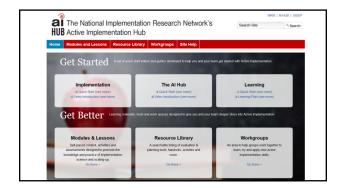












Citation and Copyright
This document is based on the work of the National Implementation Research
Network (NIRN).
© NIRN-UNC

This content is licensed under Creative Commons license CC BY-NC-ND, Attribution-NonCommercial-NoDerivs. You are free to share, copy, distribute and transmit the work under the following conditions: Attribution — You must attribute the work in the manner specified by the author or licensor (but not in any way that suggests that they endorse you or your use of the work). Noncommercial — You may not use this work for commercial purposes; No Derivative Works — You may not alter, transform, or build upon this work. Any of the above conditions can be waived if you get permission from the copyright holder.

email: nim@unc.edu
web: http://mim.fog.unc.edu
The mission of the National Implementation Research Network (NIRN) is to
contribute to the best practices and science of implementation, organization
change, and system reinvention to improve outcomes across the spectrum of
human services.