#### Creating Cycles of Continuous Improvement with the Tiered Fidelity Inventory (TFI)



#### Outcomes:

Understand the TFI, what it measures, and why it was developed
Use superficial and deep analysis procedures for action planning

#### Part 1: Overview



## Purpose of the School-wide PBIS Tiered Fidelity Inventory

- *Efficient* and *valid m*easures
- PBIS core features
- All three tiers!



## Why Another Survey?

Tier 2 and 3:

- Individual Student Systems Evaluation Tool (ISSET)
- Monitoring Advanced Tiers Tool (MATT)
- Benchmarks for Advanced Tiers (BAT)

#### Tier 1:

- Team Implementation Checklist (TIC)
- Schoolwide Evaluation Tool (SET)
- Self-Assessment Survey (SAS)
- Benchmarks of Quality



- Progress Monitoring
- Annual Assessment
- State Recognition



#### • Progress Monitoring:

- Ongoing collection and review of data to monitor movement toward a goal in a specific area
  - Assess effectiveness of efforts
  - Make midcourse corrections
  - Identify short term goals
  - Identify next steps



- Annual Assessment
  - Summative assessment of annual efforts
  - Celebrate Successes
  - Share with stakeholders
  - Identify annual school improvement goals
  - Develop annual action plan



#### • State Recognition

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- Encourage best practice
- Recognize schools for their efforts
- Identify model demonstration sites



#### Ultimately, it is about improvement!





#### What does it Measure?



## Scales

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- Tier 1 (Universal)
- Tier 2 (Secondary, Targeted)
- Tier 3 (Tertiary, Intensive)



- Tier 1Tier 2Tier 3
- Teams
   Teams
   Teams
   Teams
- Implementation
   Interventions
   Resources
- Evaluation
   Evaluation
   Support Plan
  - Evaluation

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- Tier 1
- Teams
- Implementation
- Evaluation

Tier 2

- Teams
- Interventions
- Teams

Tier 3

Resources

Evaluation

- Support Plan
- Evaluation

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Tier 1

- Teams
- Implementation
- Evaluation

#### Tier 2

Teams

• Interventions

Evaluation

Tier 3

#### • Teams

• Resources

- Support Plan
- Evaluation

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- Tier 1 Tier 2 Tier 3
- Teams •
- Implementation
   Interventions
- Evaluation
- Evaluation

Teams

- Teams
- Resources
- Support Plan
- Evaluation

## Think, Pair, Share

- Based on what you know at this point,
  - What are some advantages of using the TFI at your school?
  - What questions do you still have about the purpose of the TFI?



## Taking the TFI



## Before Taking the TFI

- Gather relevant artifacts
- External individual to conduct walkthrough (Tier 1 Scale)
- External individual facilitate the process



#### Artifacts

#### Tier 1

- School team organizational chart
- School/district policies on social behavior/support
- Team meeting minutes for last 3 meetings
- Team roles and responsibilities
- Action plan
- Staff handbook
- Student handbook
- Professional development plan for past year
- Prior PBIS fidelity measures (last two years)
- Student behavioral data summary for past month
- Major ODR per day per month compared to the national median
- Universal screening measures and process
- Any prior evaluation reports focused on social behavior
- Any reports to school administration or board focused on social behavior
- Completed TFI Walkthrough Tool
- Discipline flow chart
- Universal lesson plans
- Lesson plan schedule

#### Tier 2

- Tier 2 team meeting minutes (last 2)
- MO SW-PBS Existing School Data Inventory
- Nomination forms
- Universal screener(s)
- Data decision rules
- Tier 2 strategy, handbooks, or procedures (i.e. CICO, SSIG, C&C, SM)
- Intervention Essential Features document for each intervention
- Available Tier2 data summaries (if possible for the past two months)
- Family communication systems
- Most recent fidelity measures for Tier 2 strategies
- School schedule
- Tier 2 lesson plans
- Acknowledgement/recognition system
- Intervention tracking tool (ex. Advanced Tiers Spreadsheet, CICO-SWIS)
- MO SW-PBS intervention outcome data

#### Tier 3

- Tier 3 core team meeting minutes (Last 3 meetings)
- Tier 3 action team meeting minutes (last 3 meetings)
- Decision rules for selecting students for Tier 3
- Assessment tools for Tier 3 (i.e. functional behavioral assessment, mental health, medical records, etc.)
- Three randomly selected Behavior Intervention Plans
- Tier 3 data summary (last two reports)

## TFI Walkthrough Form

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Data collect								State	·	_
	Expectations:					Vanue of Scho	cl-wid	Expectations		
1					2. 2.					
2				_	3	Name of Ack	nowled	general System:		
3.										
5										
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	(school rules)?		rales behavior		since			(action i rales)?	receive	
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#### MO SW-PBS TFI Scoring Guide



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- 0 = Item not in place
- 1 = Item partially in place
- 2 = Item fully in place



## Taking the TFI using the MO SW-PBS TFI Scoring Guide

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Features	Possible Data Sources	Scoring Criteria
	Subscale: Teams	
1.1 Team Compositions Ther I team includes a Ter 1 apteins coordinator, a school administrator, a family member, and individuals able to provide (a) applied behaviors augentice, (b) coaching expertice, (c) is coartedge of student academic and behavior patterns, (d) knowledge about the operations of the school across grade tevels and programs, and for high schools, e) student representation.	r Schoolorgentistionelichert 1 Ter I team meeting minutes	0 - Tier I team does not exist or does not include coordinator, school administrator, or individuals with applied behavioral expertise 1 - Tier I team exists, tast does not include all identified raies or attend score of team cellibers is below 80% 2 - Tier I team exists with coordinator, administrator,
1.3 Team Operating Procedures: The Literam meets at least monthly and has (a) regular meeting formut/agenda, (b) minutes, (c) defined meeting coles, and (d) a surverst action plan.	Tier I beam meeting agendas and minutes Tier I meeting roles descriptions Tier I action plan	D - Terrene and a second one regular meeting forward/ agenda, reincoles, dafined roles, or a durrent action plan 2. Ter literre has at least 3 to the of a features 3 - Ter literre has at least monthly and uses regular meeting broad (seconds, which as, defined



#### Enter Scores into PBIS Assessments



#### **PBIS** Assessments

- PBIS Assessments is part of PBIS APPS <a href="https://www.pbisapps.org">https://www.pbisapps.org</a>
- A regional consultant opens TFI
- "Team Member" enters TFI for team



## Recommended: Take on Paper!

- You can go back and edit an unsubmitted TFI
  - 1-Week time limit
- Each team take TFI on paper
- Enter all 3 scales into PBIS Assessments at one time Description Not in place Partially in place

TFI TIER 1 Scale

✓ In place

## Think, Pair, Share

Who will...

- Conduct the TFI Walkthrough?
- Facilitate the administration of the TFI?
- Enter the data into PBIS APPS





## Cycles of Continuous Improvement



## Systematize improvement

• Data

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- Schedule
- Data Based Decision Making model
- Action Plan

#### Data

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#### • Fidelity

- TFI
- SAS
- SET
- Universal Checklist

#### • Outcomes

- ODR
- Student Climate Surveys
- Academic Assessments
- Contextual
  - Who, what, when, and where



## Schedule

- Progress Monitoring
  - Several times per year (i.e., quarterly)
- Annual Assessment
  - Spring of each year
- State Recognition
  - Spring of each year

Positive Behavior Support					July	20	16	
COACHES' TIPS:	"It is important t	a post your establ manner that o	lished behavioral ex reates a culture of :	pectations to a social compete	upport your stu nce within your	dents to collectr classroom.*—	vely act in a Tim Knoster	
Schedule SWIS/ODR     training for your team.	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
Begin planning for up- coming school year SW PBS training events.						1	2	Notes:
<ul> <li>Schedule SW-PBS team meetings and review the data with team.</li> </ul>	3	4	5	6	7	8	9	
<ul> <li>Consult with building problem-solving/student</li> </ul>	10	Ser.	10	10	14	1.5	10	
support team about im- plementation of interven- tions for academics and	10	11	12	13	14	15	16	
<ul> <li>Meet with the principal to schedule data-sharing methods.</li> </ul>	17	18 MOSN	19 N-PBS New Consulta	20 at Orientation	21	22	23	
meetings with staff and faculty.	24/31	25	26	27	28	29	30	
<ul> <li>Review ways to get and keep families involved.</li> </ul>	- 0 - 1	20	MO SW-PES Regi		sultants"			
How will you share data     with students? Families?	Administrator	Tips:						
Miscouri Consolinide	Prepare fo	r School Board I	Meeting.	at distr		tion meetings		
				• Organi at distr	gus	tion meetings t 20	16	
COACHES' TIPS:			Meeting, effectively to class	• Organi at distr	gus	tion meetings t 20	16 sitive, and	
COACHES' TIPS: + Post expectations and the matrix.				• Organi at distr	gus	tion meetings t 20	16 sitive, and	
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Conceless transmission     Section 2012     Conceless transmission     Conceless transmission     Conceless transmission     Plan agenda and initiate     initial staff meeting.     Make plans for staff kickoff.     Make arrangements to ait     tend Regional Coaches'     Meeting.     Set up dates for SWPBS     monthly meetings.     Set up dates for SWPBS     monthly meeting.     Create email distribution list     of SWPBS team.     Connect with district leaders     sing team and plan SWPBS	"Childres Sun 7	n respond more of Mon 1 School Satty Survey Open 15	effectively to class Tue 2 9	• Organi at distr Au rooms that a Wed 3 10 17	gust repredictable, Thu 4 11 18	tion meetings t <b>20</b> consistent, po safe. <sup>a</sup> —Gi Fri 5 12	<b>16</b> sitive, and eoff Colvin Sat 6	Notes:
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#### MO DESE Data Based Decision Making Model



# MO DESE Data Based Decision Making Model (DBDM)

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# MO SW-PBS Data Based Decision Making Model (DBDM)



#### Two Ways to Plan

- Establish Systems
- Problem Solve
## Step 1: Collect and Chart Data (Create Systemss)

- Run Reports from PBIS Assessments
  - Total Score Report
  - Scale Report

- Subscale Report
- Items Report









### Total Score



### Scale



## Subscale



### Items

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Feature Total:	8 of 10
Evaluation	5/14/1 5
<ol> <li>Level of Use: Team follows written process to track proportion of students participating in Tier II supports, and access is proportionate.</li> </ol>	1
<ol> <li>Student Performance Data: Tier II team tracks proportion of students experiencing success (% of participating students being successful) and uses Tier II intervention outcomes data and decision rules for progress monitoring and modification.</li> </ol>	0
<ol> <li>Fidelity Data: Tier II team has a protocol for ongoing review of fidelity for each Tier II practice.</li> </ol>	0
13. Annual Evaluation: At least annually, Tier II team assesses overall effectiveness and efficiency of strategies, including data-decision rules to identify students, range of interventions available, fidelity of implementation, and on-going support to implementers; and evaluations are shared with staff and district leadership.	1
Feature Total:	2 of 8
Tier III: Intensive SWPBIS Features	
Teams	5/14/1

# Step 1: Collect and Chart Data (Problem Solving)

- Could be any data related to the problem
  - ODR
  - SAS
  - TFI
  - SSS
  - Surveys
  - Academic
  - Etc

## MO SW-PBS Data Based Decision Making Model (DBDM)

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## Step 2: Analyze and Prioritize

- 2 levels of analysis
  - Systemisialanning
  - Decemplem Solving

## Two Purposes for Analysis

#### **Systems Development**

- Used more like a checklist
- Monitor whether systems are in place
- Add to action plan

### **Problem Solving**

- Deep analysis
- Understand problem from multiple perspectives
- Make an inference
- Develop a hypothesis
- Identify action steps
- Add to action plan

## Superficial (Develop T1, 2, and 3 Systems)

- Identify strengths
  - Celebrate
- Identify opportunities/gaps
  - Select appropriate action steps



Component	GOALS	STEPS, TIMELINE, RESOURCES, AND COMMUNICATION	WHO IS RESPONSIBLE	EVALUATION MEASURE/ EVIDENCE	STA A = Achieve	TEW TUS d & Maintain progress Sem 2
2. Leadership	1. Establish a Specialized Behavior Support Team to oversee development and implementation of Tier 2 system & practices.	<ul> <li>A. Identify and document team meeting dates and times.</li> <li>Use the Blank Schadule of Meeting Dates &amp; Times</li> <li>B. Identify personnel who will oversee development and implementation of Tier 2 data, system, and practices.</li> <li>C. Evaluate existing systems of support for addressing emotional and behavioral needs of students in your building and reallocate resources to develop an effective Tier 2 system</li> <li>Use Working Smarter Template</li> <li>D. Identify and document team member role and responsibilities.</li> <li>Use the Blank Team Membership &amp; Roles</li> <li>E. Adopt a standard meeting agenda and format.</li> <li>Use Blank Team Meeting Agenda</li> <li>F. Identify and document a communication plan for dissemination of information.</li> <li>Use the Blank Communication Plan</li> </ul>				



### Scale



## Subscale



### Items

Freebretien	5/14/1
Evaluation	5/14/1
<ol> <li>Level of Use: Team follows written process to track proportion of students participating in Tier II supports, and access is proportionate.</li> </ol>	(1
<ol> <li>Student Performance Data: Tier II team tracks proportion of students experiencing success (% of participating students being successful) and uses Tier II intervention outcomes data and decision rules for progress monitoring and modification.</li> </ol>	0
<ol> <li>Fidelity Data: Tier II team has a protocol for ongoing review of fidelity for each Tier II practice.</li> </ol>	(
13. Annual Evaluation: At least annually, Tier II team assesses overall effectiveness and efficiency of strategies, including data-decision rules to identify students, range of interventions available, fidelity of implementation, and on-going support to implementers; and evaluations are shared with staff and district leadership.	(1
Feature Total:	2 of 8
Tier III: Intensive SWPBIS Features	
Teams	5/14/1

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Opportunities
1. Tier 2 Evaluation
a) Create process to track proportion of
students experiencing success and use Tier 2
intervention outcomes data and decision rules for progress monitoring and modification
<ul> <li>b) Create and implement a protocol for ongoing review of fidelity for each Tier 2 practice</li> </ul>
<ul> <li>c) Create a process to track proportion of students participating in Tier 2 Supports</li> </ul>
d) Conduct annual assessment efficiency and effectiveness of Tier 2 strategies

# PRIORITIES

- Focus on 2-3 goals at a time
- 2. Universals/Foundations/ Prerequisite
  - 3. Biggest change for least amount of effort

Horner, 2011

## Deeper Analysis

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• Holistic understanding of the possible causes of problem



## Deep Analysis

• Analyze what?

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• Analyze how?



## Data

#### • Fidelity

- TFI (Team and external review)
- SAS (staff Perceptions)
- SET (external review)
- Universal Checklist (Team)

### • Outcomes

- ODR
- Student Climate Surveys
- Academic Assessments
- Contextual
  - Who, what, when, and where



## Deep Analysis

- Dosiggt gante, not just the whole
- tpaket angles



## Disaggregation

## To separate something into its component parts, or break apart

http://www.merriam-webster.com/dictionary/disaggregate

### "Disaggregation is not a problem-solving strategy. It is a problem-finding strategy."

Victoria Bernhardt,

Data Analysis, 1998

## Disaggregate

Look at data that meet two or more criteria

- ODR's by students receiving interventions
- SPED referrals by race and ethnicity
- ODR's by race and ethnicity



## Triangulation: Narrows down the possible causes of the outcomes

• Gets at the question, "Why?"





## Triangulation

In olden times, seafarers used different reference points to calculate their position.

They used this information to set their course.

This is called "triangulation."



## Triangulating with the TFI

**In Social Sciences** 

- Compare 3 or more related data sources
- Narrow possible causal relationships
- Identify possible targeted action steps



## Example Problem

- Teachers have only nominated 5 of 500 students for Tier 2 supports
- Are we missing students with Internalizing behaviors?!?



## Triangulation

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Requests for assistance only came from 3<sup>rd</sup> grade teachers

5 students received request for Tier 2 assistance

TFI: A formal request for assistance exists <image>

## Make an inference

• The team has not adequately communicated to staff the procedure for nominating students for Tier 2 supports



## Develop a Hypothesis

• If we \_\_\_\_\_, then the students will \_\_\_\_\_

 If the team provides professional development, technical assistance, and reminders on the Tier 2 nomination procedures, teachers will nominate more students to the Tier 2 team.

## MO SW-PBS Data Based Decision Making Model (DBDM)



## Step 3: Develop S.M.A.R.T. Goals

- <u>Specific</u>
- <u>M</u>easureable
- <u>A</u>chievable
- <u>R</u>elevant
- <u>T</u>ime bound



## Example S.M.A.R.T. Goal

Teachers will increase the number of assistance referrals for students needing Tier 2 Supports from 0.5% of our students to 5% of student enrollment from August 18, 2016 to May 31, 2017.

## MO SW-PBS Data Based Decision Making Model (DBDM)



## Step 4: Select Strategies

- Develop an Action Plan that addresses your hypothesis
  - Goal
  - Action steps
  - Individual(s) responsible
  - Time line/target date
  - Implementation fidelity
  - Benchmark outcome measures

		hool:				
Component	GOALS	STEPS, TIMELINE, RESOURCES, AND COMMUNICATION	WHO IS RESPONSIBLE	EVALUATION MEASURE/ EVIDENCE	A = Achiev I = In	V STATUS ed & Maintain progress achieved
ပိ					Sem 1	Sem 2
	1. Assess readiness for developing a Tier 2 system	A. Complete Tier 2 Readiness Checklist and use results to identify and record necessary action plan steps.				
ose	2. Gain staff commitment to develop Tier 2	A. Conduct staff professional development session to establish awareness and gain commitment for development of a Tier 2 system and supports.				
ıy & Purpo		B. Complete <i>Tier 2 Commitment</i> <i>Survey</i> with full staff.				
Common Philosophy & Purpose		C. Review results from the Commitment Survey and make decisions about moving forward with development of a Tier 2 system interventions.				
1. Comn	3. Develop a Tier 2 team action plan	A. Complete the Tiered Fidelity Inventory (TFI) at https:// www.pbisapp.org • Teams new to Tier 2 complete the BAT by October and April during their first year. • In subsequent years teams will only complete the BAT once. annually, before April 15. • Use results to identify and record necessary action plan steps.				

Component	GOALS	STEPS, TIMELINE, RESOURCES, AND COMMUNICATION	WHO IS RESPONSIBLE	EVALUATION MEASURE/ EVIDENCE	A = Achieve I = In j	V STATUS ed & Maintain progress achieved
Ŭ					Sem 1	Sem 2
3. Student Identification Process	1. Develop a systematic process to identify students at-risk for social, emotional, and/or behavioral challenges.	<ul> <li>A. Develop a Teacher Nomination form that is simple and brief to complete.</li> <li>Review Example Teacher Nomination for Assistance</li> <li>B. List academic and behavioral data that is currently collected in your school or district. Determine proficient, at-risk, and high-risk criteria for each measure. Indicate specific criteria that "trigger" referral to the Specialized Behavior Support Team.</li> <li>Use Blank Existing School Data Inventory</li> <li>C. Develop and implement a system to administer regular, periodic screening for social, emotional and/ or behavioral risk</li> <li>Use the Blank Student Identification Plan</li> <li>D. Use existing communication strategies to inform full staff about procedures for identifying students who need additional supports.</li> </ul>	Ms. Montessori August 17, September 1	PD Agenda; Monday Memo		

Goal	Action Steps	Time Line	Who is responsible	Fidelity Measure
Increase nomination to Tier 2	Provide professional development on internalizing behavior and nomination prcess	By Sept 30	Dr. J. Dewey	PD Agenda

## MO SW-PBS Data Based Decision Making Model (DBDM)



## Step 5: Determine Results Indicators

- Monitor implementation fidelity measures
- Monitor benchmark outcome data

## **Results Indicators**

### **Fidelity of Implementation**

- Count of Recognition
- Lesson Accountability
- Likert Type Scales
  - Sticky dots
  - Survey
- Walkthroughs/Observations

#### **Student Outcomes**

- ODRs
- Expectation Following Behaviors
- Suspensions
- Attendance
- Academic Achievement

Examples: Increase the rate of identification of students with internalizing behaviors for Tier 2 interventions

- PD Agenda showing coverage of nomination procedures
- Tier 2 team tracks nominations

## MO SW-PBS Data Based Decision Making Model (DBDM)

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## Step 6 Evaluate Plan

	Goal Not Met	Goal Met
Plan Not Implemented	Modify the plan to remove obstacles or implement the plan.	Develop a hypothesis based on current data of <i>why</i> the goal was met
Plan Implemented	Re-analyze data; develop an alternate hypothesis; modify the plan to address the alternative hypothesis	Go back to data; Identify a focus for the next cycle.

### Think, Pair Share

- What needs to be in place for you to use the DBDM and a variety of data sources (including the TFI) to enter cycles of continuous improvement?
- Of these, what do you currently have in place?



## Make a Commitment

- Based on what you now know, what are your next steps?
  - Examples
    - Gather more information
    - Share information with the team
    - Create systems to take and record the TFI
    - Schedule the TFI annually
    - Use parts of the TFI for CBM (quarterly)
  - Share your next step with shoulder partner

