

What do we know about Tier 2 Identification?

- Typically follows the administration of a schoolwide, brief, valid and reliable screener of the target outcome(s).
- Identification as an at-risk student does not necessarily mean the student will be identified for Tier 2.
- The percentage of students identified for Tier 2 depends on the capacity of the school's Tier 2 system.



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Why Accurate Tier 2
Identification Matters: Avoiding
MTSS Implementation Pitfalls

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Overidentification

- Expense of additional testing Unnecessary worry
- Underidentification
 - Miss serious health problem

Education

- Overidentification
 - Expense of additional testing
- Expense of early intervention
- Underidentification
 - Miss opportunity for prevention/early intervention

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Three Major Pitfalls to MTSS Design and Implementation

- Poor quality Tier 1 programming
- Flooding Tier 2 with false positives
- Failing to meaningfully distinguish the intensity of Tier 2 from intensive intervention

These pitfalls create inefficiencies and decrease quality of

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Pitfall 1: Poor Quality Tier 1

- Costly error because poor quality Tier 1 increases the number of students who will require expensive Tier 2 intervention.
- When schools need to provide a high percentage of students with Tier 2, the quality of what can be provided in Tier 2 decreases (larger group size, shorter duration sessions, $\,$ less qualified tutors, less support for tutors).

Indicator: Less than 75-80% of students are identified as at or above grade level expectation

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Solution: Robust Tier 1 and Tier I Classwide Supports	
Peer Assisted Learning Strategies, <u>www.peerassistedlearningstrategies.net</u>	
High Leverage Practices	
Differentiation and Universal Design for Learning (UDL)	
Vertical and horizontal alignment of curriculum	
IES Practice Guides	
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Pitfall 2: Flooding Tier 2 with False Positives	
Results from poor screening system or failure to use risk verification procedures.	
- ALL 'yellow' kids get Tier 2	
Too much deference to screening results	
Poor predictiveness of cut points or inappropriate for population	
 Universal screening cut scores are designed to identify false positives (FPs) to avoid missing any truly at-risk children. 	•
Indicator: More than 20% of population receiving Tier 2 interventions	
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Problems with Providing Tier 2 to False Positives (FP)	
Over-identification of FP students for Tier 2 is a costly error.	
It dilutes the effectiveness of intervention for the students who do require Tion 2. Tion 2. Tion 2. Tion 3. Tion 3.	

• It negatively affects FP students because they don't require Tier 2's foundational level remediation and should instead need instructional time

on more challenging material.

Solution: Robust Risk Verification

- Use at least **two other data sources to verify decisions** about whether a student is or is not at risk.
- Assess only students who fail or almost fail initial screen
- Consider data on classroom performance, performance on state assessments, diagnostic assessment data, short-term progress monitoring
- Limit Tier 2 interventions to no more than 15-20% of population (based on available resources)

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Why is risk verification important?

- The Stage 1 screen identified 72 false positives (students identified to enter Tier 2 who, according to year-end performance, did fine without Tier 2).
- Adding the additional data to the decision making decreased the number of false positives to 29.
- Administering additional assessments to the 72 students who failed the universal screen costs the school \$5,400 (72 students X .75hrs = 54 hrs X \$100 = \$5,400)
- But not tutoring 43 FPs saves the school \$23,800 (~14 triads X 34 hrs/triad = 238 hrs X 100/hr = 47,600)
- Savings: \$47,600 \$5,400 = \$42,200

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Pitfall 3: Failing to meaningfully distinguish between Tier 2 and 3

- Tier 3 students fail to receive required the clinical approach afforded by specialized teachers engaged in data-based individualization.
- Costly error because these students fall farther and farther behind if permitted to languish in Tier 2+, when they have already demonstrated inadequate response to validated (standard, non-individualized) programs.

Indicator: More than 7% of population receiving Tier 3 interventions, paras/volunteers delivering Tier 3, or a 'Tier 3 intervention list'

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- Reserving Tier 3 for students who prove unresponsive to Tier 2 delivered with fidelity (with quality Tier 1 and Tier 2, the expected rate in intensive intervention is 5-7% of the school population).
- Relying on the validated individualization process known as data-based individualization (DBI) to structure intensive intervention.
 - Provides indicator if students NEED specialized instruction

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How can you avoid these pitfalls?

- If more than 20% of students are identified as at-risk by your universal screening process, conduct a root cause analysis of Tier 1 and identify and implement approaches to improve Tier 1 instruction and support.
- Prior to identifying students for Tier 2 supports, determine the number of students your Tier 2 system can effectively support.
- Use validated approaches to identify students for participation in Tier 2 intervention.

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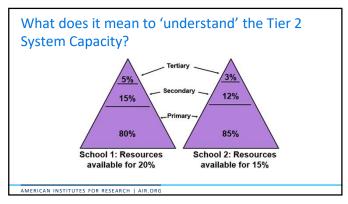
Assessing Tier 2 System Capacity AMERICAN INSTITUTES FOR RESEARCH | AIR.ORG

Why do we need to understand our Tier 2 System Capacity?

An overwhelmed Tier 2 system—one that attempts to serve more students than it has the capacity to serve—can result in limited or poor learning outcomes and ineffective use of staffing and resources.

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How do we determine Tier 2 capacity?

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Total Number of Students our System Can Support (last column from Step 1)	Total Number of Students in Target Grade(s)	Percentage of Students our Tier 2 Can Realistically Support

How do we determine Tier 2 capacity? Example

Total Number of Students our System Can Support	Total Number of Students in Target Grade(s)	Percentage of Students our Tier 2 Can Realistically Support
42	213	20%

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Considerations

- Which grades or schools need more 'intervention' opportunities? Is our capacity ensuring equitable access to intervention?
- Is our capacity sustainable? Is it realistic?
- Does our system address all areas of need?
- What do we do if more students need intervention than our Tier 2 can effectively support?

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Identifying and Verifying Risk Status

How do you identify students as at-risk?

- Written decision rules about risk identification can ensure teams make consistent and equitable decisions efficiently.
- Staff can articulate the risk identification and verification processes.
- Accurate risk identification depends on the use of valid and reliable screening tools and validated risk verification procedures.

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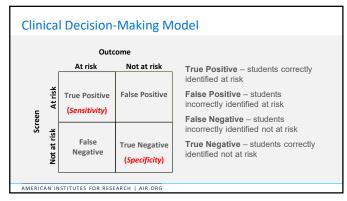
Identifying Students as At Risk

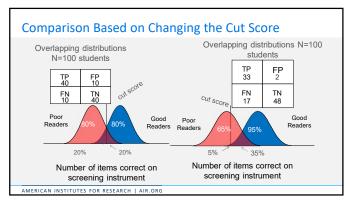
- Cut scores for universal screening tools are often set by publishers to overidentify students as at risk.
- MTSS success depends on accurate identification of the students identified as at risk.
- Perfect screening would result in 100% accurate identification of "True Positives" (those who need additional support) and "True Negatives" (those who do not need additional support), but there is no perfect screening tool.

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Defining Risk: Categorical Vs. Continuous 45 40 35 30 25 25 0 Sickle Cell Anemia No Sickle Cell Anemia





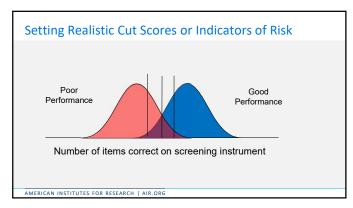
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Is it a good screening tool?

- 1. Sensitivity is the probability of correctly identifying a problem (i.e., the proportion of **true positives** that the screener correctly identifies).
- Specificity is the probability of correctly identifying that there is not a problem (i.e., the proportion of true negatives that the screener correctly identifies).

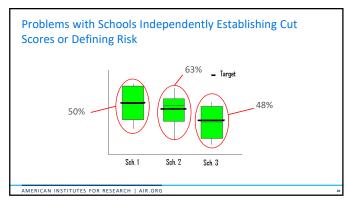
NCII screening tools charts rate a screening tool highest when it has a sensitivity rate of 70% or higher and a specificity rate of at least 80%

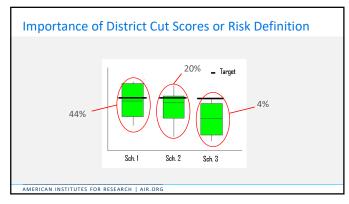
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Problems with Schools Independently Establishing Cut Scores

	School	Percent At or Above School Cut Score
	School 1	50%
	School 2	63%
	School 3	48%
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Developing Risk Identification and Verification Procedures Teaming Definition of Risk Primary Data Source Verification Making Risk identification and verification typically occurs following fall or winter screening. For incoming 9th graders, it may begin spring of 8th grade.

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What is the definition of a student at-risk for poor learning outcomes? Is there consensus among staff? Can staff articulate the definition? Using parent friendly language, define a student a risk. What is the target outcome?

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Primary Data Source

- What is the primary data source for risk identification?
- Is there evidence of the tool's classification accuracy, or ability to accurately identify students at risk and not at risk?



What is your target outcome? What is your primary data source for risk identification?

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Risk Verification

- What secondary and additional data sources will be used to verify risk status?
- What is the validity of these data sources?

What are your secondary and additional data sources for risk verification for the target outcome?

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Decision Making

- How will risk status be determined using the primary, secondary, and additional data sources?
- What happens when more than 20% of students are identified and confirmed as atrisk?
- How will these data be used to improve decision making processes overtime?



Sample Tool For Documentation Risk Verification

Student	Primary Data: Valid Screening Tool	Secondary: Ex. Common class assessment	Additional Data: Ex. State Assessment	Risk-Status Determination
Ex. Conner	Yes	No	Yes	At-risk
Ex. Jenny	No	Yes	No	Not At-Risk
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Identify Primary Indicator of Risk Status

- 1. Requires valid and reliable screening tool
- 2. Uses tools with high classification accuracy

Examples of Common Tools

a. AIMSweb, iReady, MAP, iSIP, SRSS, attendance, early warning system

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Step 2: Identify Valid Secondary Screener

- Progress Monitoring
 - 4-6 progress monitoring data points
- Most effective in K-2 Settings
- Additional Valid and Reliable Screener
 - $\,-\,$ AIMSweb, MAP, iSIP, SRSS, attendance
- $\,-\,$ Consider costs and implementation time
- Common Classroom Assessment
 - Core Assessments/Grades
 - Concerns about validity and reliability



Conduct scheduled screen for the form from form form form form form form	Primary Data Sour	ce:	Ide	ent	ify	ing	Initi	al Risk	
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		23515							
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	Initial Screener	Secondary Screener	Decision
Bill	Potentially At-Risk	Not At-Risk	
Bob	Potentially At-Risk	At-Risk	
James	Potentially At-Risk	Not At-Risk	
Sara	At-Risk	Not at-Risk	
Tina	At-Risk	At-Risk	
Lena	At-Risk	Not At Risk	
Sandy	At-Risk	At-Risk	
Frank	At-Risk	At-Risk	
Vivian	At-Risk	At-Risk	
Monty	At-Risk	At-Risk	
Ken	At-Risk	At-Risk	
Brian	At-Risk	At-Risk	

	Initial Screener	SECONDARY	Decision
Bill	Potentially At-Risk	Not At-Risk	Tier I+
Bob	Potentially At-Risk	At-Risk	?
James	Potentially At-Risk	Not At-Risk	Tier I +
Sara	At-Risk	Not at-Risk	?
Tina	At-Risk	At-Risk	Intervention
Lena	At-Risk	Not At Risk	?
Sandy	At-Risk	At-Risk	Intervention
Frank	At-Risk	At-Risk	Intervention
Vivian	At-Risk	At-Risk	Intervention
Monty	At-Risk	At-Risk	Intervention
Ken	At-Risk	At-Risk	Intervention
Brian	At-Risk	At-Risk	Intervention

Use Additional	Data	Sources	for	Risk	Verificati	on t	for Ve	ry F	ew
Students									

- 1. Not necessary when using progress monitoring for secondary screening or risk verification
- 2. Data should be readily accessible and generally valid and reliable
- 3. Consider progress monitoring or classroom assessment

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	Initial Screener	SECONDARY	ADDITIONAL DATA Source	Decision
Bill	Potentially At-Risk	Not At-Risk	-	Tier I+
Bob	Potentially At-Risk	At-Risk	At-Risk	?
James	Potentially At-Risk	Not At-Risk	-	Tier I +
Sara	At-Risk	Not at-Risk	At-Risk	?
Tina	At-Risk	At-Risk	-	Intervention
Lena	At-Risk	Not At Risk	At-Risk	?
Sandy	At-Risk	At-Risk	-	Intervention
Frank	At-Risk	At-Risk	-	Intervention
Vivian	At-Risk	At-Risk	-	Intervention
Monty	At-Risk	At-Risk	-	Intervention
Ken	At-Risk	At-Risk	-	Intervention
Brian	At-Risk	At-Risk		Intervention

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	Initial Screener	SECONDARY	ADDITIONAL DATA Source	Decision
Bill	Potentially At-Risk	Not At-Risk	-	Tier I+
Bob	Potentially At-Risk	At-Risk	At-Risk	Intervention
James	Potentially At-Risk	Not At-Risk	-	Tier I +
Sara	At-Risk	Not at-Risk	At-Risk	Intervention
Tina	At-Risk	At-Risk	-	Intervention
Lena	At-Risk	Not At Risk	At-Risk	Intervention
Sandy	At-Risk	At-Risk	-	Intervention
Frank	At-Risk	At-Risk	-	Intervention
Vivian	At-Risk	At-Risk	-	Intervention
Monty	At-Risk	At-Risk	-	Intervention
Ken	At-Risk	At-Risk	-	Intervention
Brian	At-Risk	At-Risk	-	Intervention

Reflection and Improvement	
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It is important to remember that being identified as an at-risk student does not mean the student needs a Tier 2 intervention.

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What will you do when your capacity is less than your number of at-risk students?

Considerations

- Progress monitor all students identified as at-risk.
- Provide additional supports in Tier 1, such as small group instruction.
- Focus on improving Tier 1 capacity to support more students.

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Considerations for Ongoing Improvement

- Does the current Tier 2 system continue to have the capacity to support the number of identified students? Are educators able to implement Tier 2 interventions and supports with fidelity?
- 2. Does progress monitoring data suggest that some identified students in Tier 2 intervention can move to less intensive supports?
- 3. Does progress monitoring data suggest that some students not initially identified for Tier 2 now need Tier 2 intervention?
- 4. Does the data suggest that the Tier 2 identification process was effective and efficient?
- 5. How can the efficiency and effectiveness of the risk verification and Tier 2 identification be improved?

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