

Overview

- Overview of Response to Intervention
- Implementing a Response to Intervention model
- Using DIBELS® for systems-wide consultation and evaluating response to intervention with an Outcomes-Driven Model

For Whom Would You Use RTI?

 Amy is a second grader who has been referred for a special education evaluation by her teacher due to low academic achievement.

- Miguel is a new bilingual student in Ms. Frizzle's first grade classroom (in a school with few other bilingual students). Ms. Frizzle does not know how to support Miguel in learning to read.
- Sander is a third grade student referred to the educational support team for behavior problems.
- Mica is a kindergarten child who has difficulty following directions and attending during group activities. His teacher has referred him for an "ADHD evaluation."

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What is Response to Intervention?

- 1. An alternative approach to determine eligibility for learning disability under IDEA 2004:
 - Response to intervention (RTI) functions as an alternative for learning disability (LD) evaluations within the general evaluation requirements of IDEA 2004 (20 U.S.C 1414 (B)(6)(A)).
 - IDEA 2004 adds a new concept in eligibility that prohibits children from being found eligible for special education if they have not received instruction in reading that includes the five essential components of reading instruction identified by the Reading First Program. RTI is included under this general umbrella.

What is Response to Intervention?

- 2. An approach for maximizing student learning/progress through sensitive measurement of effects of instruction:
 - Diagnostic teaching
 - Precision teaching
 - Problem-solving model
 - Outcomes-driven model

Description of RTI

- Students are provided with "generally effective" instruction by classroom teacher.
- Progress of students receiving general education is monitored.
- Students who do not respond are identified.
- "Nonresponders" to general education instruction receive something else or something more, either from teacher or someone else.
- Progress of students receiving "something else/more" is monitored.

Eligibility approach: Those who do not respond qualify for special education/evaluation.

Maximize learning approach:

Those who do not respond get "something else/more" until they respond.

Underlying Assumptions of RTI

Eligibility Model

- Disabilities are due to within child factors and are intractable.
- There are children who are "nonresponders."
- Goal is special education placement.

Maximize Learning Model

- Most children can learn when provided with effective instruction.
- There are children for whom we have not yet found effective interventions.
- Goal is to find the "match," i.e., instructional approach/stratgies effective for the individual student.

Our View:

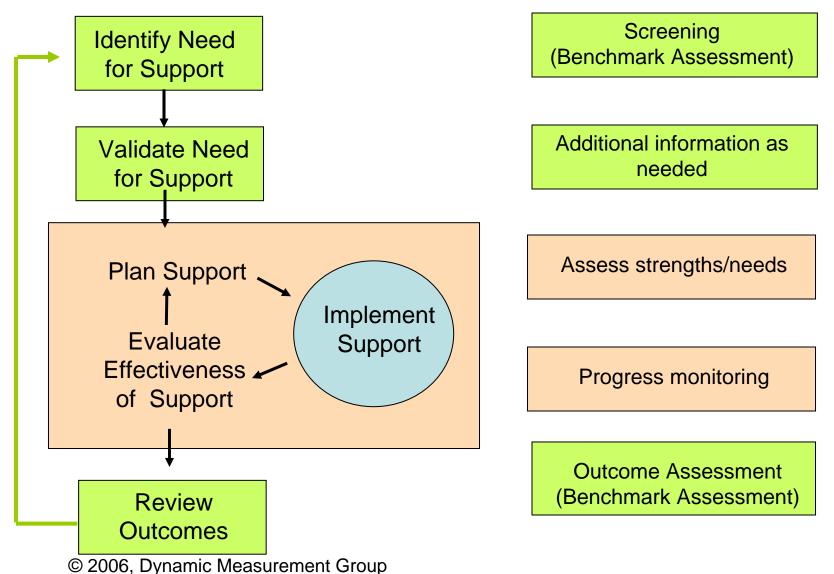
- Inadequate response to intervention is NOT a defensible endpoint.
- Response to intervention IS a defensible means to maximize student learning and progress.

When and for Whom Should RTI be Used?

- All students
- Within a prevention-oriented system of progress monitoring and evaluating system-wide effectiveness: Outcomes Driven Model

ODM Step	Decisions/Questions	Data			
1. Identify Need	Are there students who may need support? How many? Which students?	Screening data (DIBELS Benchmark data)			
2. Validate Need	Are we confident that the identified students need support?	Diagnostic assessment data and additional information as needed			
3. Plan and Implement Support	What level of support for which students? How to group students? What goals, specific skills, curriculum/program, instructional strategies?	Diagnostic assessment data and additional information as needed			
4. Evaluate and Modify Support	Is the support effective for individual students?	Progress Monitoring data (DIBELS progress monitoring data)			
5. Evaluate Outcomes	As a school/district: How effective is our core (benchmark) support? How effective is our supplemental (strategic) support? How effective is our intervention (intensive) support?	Outcome Assessment information (DIBELS Benchmark data)			

Outcomes-Driven Model



Why Use a RTI Approach? (Why Use the ODM?)

- Preventive: Provides help more quickly to more students
- Inclusive: Focuses on success for all students
- Instructionally relevant: Keeps focus on student learning; shift away from labeling
- Cost effective: Reduces need for special education
- Collaborative: Increases teaming and integration of services

What are Critical Components of an Effective RTI Model?

- Team approach
- Specification of system of support
- Specification of procedures for RTI
 - Model of RTI
 - Measurement
 - Intervention fidelity
 - Criteria for effectivness

Team Approach: Who Should be on the Team?

- Everyone who has a vested interest in this student's success, for example:
 - Classroom teachers
 - Parents
 - Title/Resource teachers
 - Special Education teachers
 - Speech/language pathologists
 - School psychologists
 - Reading coaches/specialists
 - Principals

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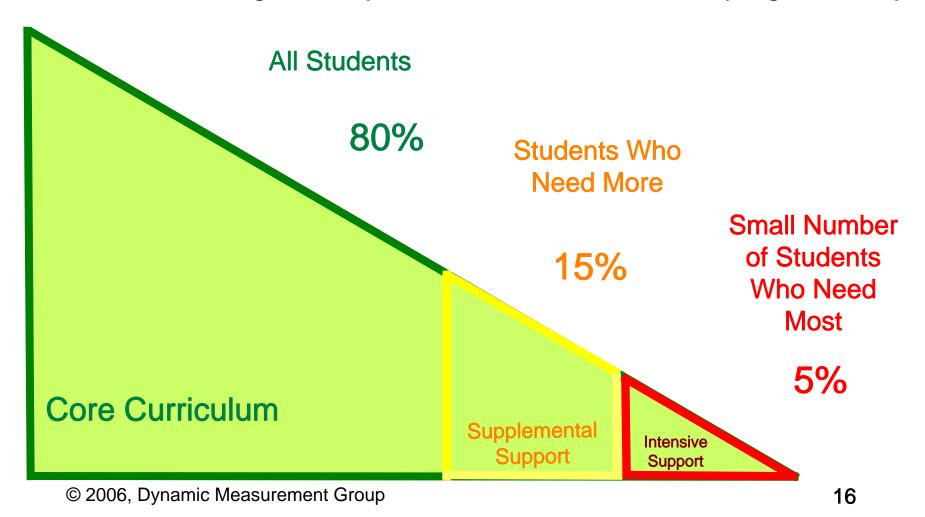


School-Wide System of Support

 We recommend that RTI be implemented within a clearly specified school-wide system of instruction and support.

School-wide System of Instruction and Support: Three Levels (Tiers) of Support

Continuum of generally effective services of varying intensity



Specifying a System of Support

- Who will receive what intervention, by whom, for what amount of time, when?
- What materials and strategies will be used?
- What measures will be used for progress monitoring?
- How frequently will progress monitoring occur?
- What criteria will be used to determine effectiveness of intervention?

Specify Procedures for RTI

- RTI Model
- Measures
- Intervention Fidelity
- Criteria for determining effectiveness (adequate responsiveness)

RTI Models

- Standard protocol
 - Student receives specified intervention program for specified amount of time (e.g., Read Well for 12 weeks)
- Individual Problem solving
 - Student receives individually designed intervention program

Measurement for RTI

- State-wide or group achievement tests
- Individually administered achievement tests
- Curriculum-based assessments
- General outcome measures
 - Curriculum-Based Measurement
 - Dynamic Indicators of Basic Early Literacy
 Skills
 - Individual Growth and Development Indicators

Fidelity of Intervention Implementation

- We must measure fidelity of implementation of interventions at <u>all</u> levels of the continuum
 - Who will measure treatment integrity?
 - How will treatment integrity be measured?

Determining Effectiveness

Option 1: Final status

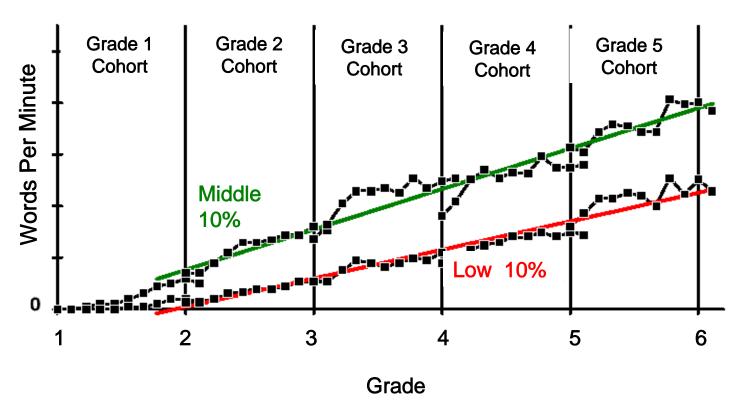
- Test students after intervention, apply a standard, and separate the "responders" from the "non-responders"
 - Ending in the average range on a normreferenced measure
 - Ending at or above an established benchmark criterion

Determining Effectiveness

Option 2: Growth Models

- Repeatedly test students during intervention, establish growth trajectories, and separate the "responders" from the "non-responders".
 - Compare the student's actual rate of progress to the expected rate of progress, based on a normative framework.
 - Compare the student's actual rate of progress to a limited normative framework (e.g., other students receiving intensive intervention).
 - Compare the student's actual rate of progress to the expected rate of progress, based on a criterion for acceptable growth.

Reading Trajectories of Low and Middle Readers Grades 1-6

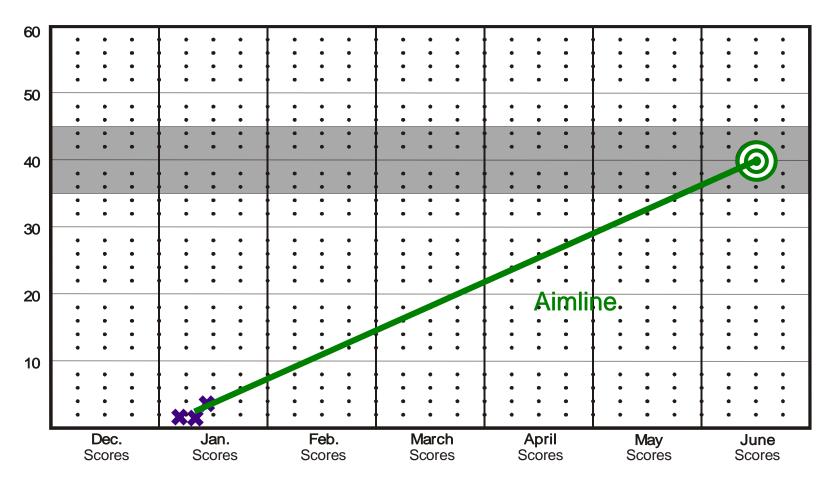


Example of Oral Reading Fluency Growth Rates*

Grade	Minimum growth rate	Slope of benchmark	Maximum growth rate		
		targets (growth	O		
		per week)			
1	0.84	1.36	1.88		
2	1.03	1.31	1.59		
3	0.75	1.03	1.31		
4	0.55	0.83	1.11		
5	0.50	0.78	1.06		
6	0.58	0.86	1.14		
7	0.30	0.58	0.86		
8	0.28	0.56	0.84		

^{*} Based on average growth rates.
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Plan Support: Aimline for Brandon



The <u>aimline</u> connects where you are to where you want to get to, and shows the course to follow to get there.

Effectiveness Report: Classroom Kindergarten Mid to End of Year

Sneezy Elementary: Ms. White PM Class

Dynamic Indicators of Basic Early Literacy Skills Summary of Effectiveness by Class

District: Seven Dwarfs Public Schools

School: Sneezy Elementary Date: January, 2004-2005 Class: Ms.WhitePM

Step: Middle of Kindergarten to End of Kindergarten

Effectiveness of Intensive Support Program		Effectiveness of Strategic Support Program			Effectiveness of Core Curriculum and Instruction						
Students at Intensive at Middle of Year	Middle PSF Score	End PSF Score	Check If Reached End PSF Goal of 35	Students at Strategic at Middle of Year	Middle PSF Score	End PSF Score	Check If Reached End PSF Goal of 35	Students at Benchmark at Middle of Year	Middle PSF Score	End PSF Score	Check If Reached End PSF Goal of 35
	0	17	\odot		8	17	•		53	60	√
	14	8			0	32	\odot		10	15	
	10	41	✓		20	41	✓		19	40	✓
					0	7			32	48	✓
					11	38	✓		44	42	✓
									34	42	✓
									51	42	✓
									25	14	
									38	56	✓
									29	59	✓
									47	59	✓
									43	37	✓

Determining Effectiveness

- Option 3: Dual Focus on Final Status and Growth
 - Combination of previous approaches; requires repeated assessment of student skills throughout intervention <u>and</u> assessment of final status after intervention
 - Evaluate responsiveness by comparing the student's actual rate of growth to an expected rate of growth based on a normative/criterion framework <u>and</u> considering whether the student's final status meets an established benchmark criterion

Our Thoughts

- To promote positive outcomes and reading success for all students:
 - We need to evaluate effectiveness of the instructional context, i.e., the system of support.
 - We need to use a standard-protocol approach in combination with a problemsolving approach.
 - We need to use established (I.e., normative and/or research-based) outcomes criteria.

How to Put it all Together

- DIBELS® as a tool for Systems-Wide Consultation and Evaluating Response to Intervention
 - Evaluating system effectiveness
 - Evaluating student responsiveness to intervention within a system

Using DIBELS in a Systems-Wide RTI Standard Protocol + Problem-Solving Approach

- Benchmark assess all students 3 times per year.
- Review effectiveness of system of support/intervention each benchmark period.
- Identify (and validate) students needing additional support each benchmark period.
- For students needing additional support, implement & monitor response to a predetermined research-based intervention.
- If response is not adequate, develop & implement an intervention designed for the individual needs of the student.
- If response is not adequate, modify intervention and continue implementation.
- If response continues to be inadequate, student may need special education support.
- Continue to modify intervention and evaluate responsiveness until the desired outcomes are achieved.

District: Test District School: All Schools

Data: 2001-2002

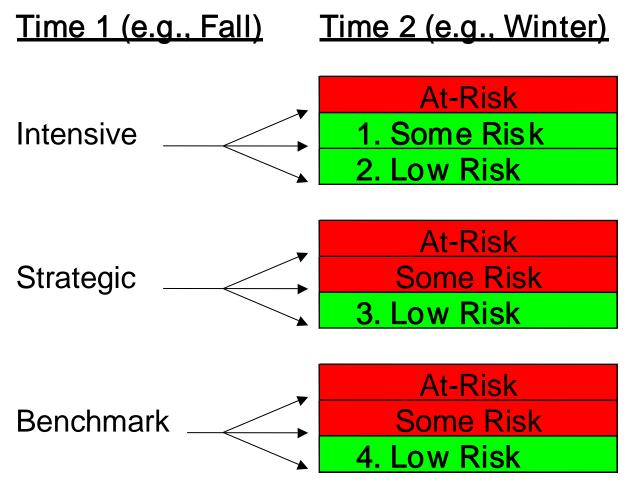
Step: Beginning of 1st Grade to Middle of 1st Grade

Report: m of support?

of Basic Early Literacy Skills Summary of Effectiveness by District

District: Test District School: All Schools **Benchmark** All 2001-2002 Intensive
Beginning of 1st Grade to Middle of 1st Grade Strategic Beginning of First Intensive at Beginning of Year Strategic at Beginning of Year Benchmark at Beginning of Year Instructional Recommendation Benchmark Status on NWF in Middle Middle of First Mid-Year Mid-Year Mid-Year Mid-Year Mid-Year Mid-Year Mid-Year Mid-Year Mid-Year Benchmark Status on NWF (Totals) Test District 49 Students Intensive at Beginning of 1st 101 Students Strategic at Beginning of 1st 256 Students Benchmark at Beginning of 1st N = 406**District Name** 12.1% of Total Students 24.9% of Total Students 63.1% of Total Students 11 Deficit 7.6% % of Instructional Recommendation 36.7% 30.6% 43.6% 45.5% 1.6% 16.8% 81.6% Emerging 25.9% 4.4% 2.7% 10.8% 10.6% 51.5% stablished Adams 5 Students Intensive at Beginning of 1st 18 Students Strategic at Beginning of 1st 50 Students Benchmark at Beginning of 1st 6.8% of Total Students 24.7% of Total Students 68.5% of Total Students Coun Deficit 6.8% % of Instructional Recommendation 20% 60% 20% 61.1% 22.2% Emerging 30.1% 1.4% 4.1% 1.4% 15.1% 5.5% 1.4% 11% 63% % of Tota 4.1% 56.2% Established Garfield 5 Students Intensive at Beginning of 1st 12 Students Strategic at Beginning of 1st 34 Students Benchmark at Beginning of 1st n = 51 9.8% of Total Students 23.5% of Total Students 66.7% of Total Students Coun Deficit 3.9% School Names % of Instructional Recommendation 40% 40% 20% 25% 75% 20.6% 79.4% Emerging 23.5% 3.9% 5.9% 13.7% 17.6% 52.9% 72.5% % of Tota Jefferson 14 Students Intensive at Beginning of 1st 18 Students Strategic at Beginning of 1st 36 Students Benchmark at Beginning of 1st 52.9% of Total Students 20.6% of Total Students 26.5% of Total Students Deficit 21.4% 64.3% 11.1% 38.9% 50% 19.4% 77.8% Emerging 23.5% % of Instructional Recommendation 14 3% 2.8% % of Total 2.9% 13.2% 10.3% 13.2% 41.2% Established 67.6% Lincoln 10 Students Intensive at Beginning of 1st 17 Students Strategic at Beginning of 1st 45 Students Benchmark at Beginning of 1st 13.9% of Total Students 23.6% of Total Students 62.5% of Total Students Deficit 6.9% % of Instructional Recommendation 41.2% Emerging 29.2% 4.2% 5.6% 4.2% 2.8% 11.1% 12.5% Established 63.9% 33 Students Benchmark at Beginning of 1st McKinley 10 Students Intensive at Beginning of 1st 12 Students Strategic at Beginning of 1st 18.2% of Total Students 21.8% of Total Student 60% of Total Students Deficit 12.7% Coun % of Instructional Recommendation 83.3% Emerging 43.6% % of Total 9.1% 7.3% 1.8% 1.8% 18.2% 1.8% 1.8% 18.2% 40% Established 43.6% Washington 5 Students Intensive at Beginning of 1st 24 Students Strategic at Beginning of 1st 58 Students Benchmark at Beginning of 1st 5.7% of Total Students 27.6% of Total Students 66.7% of Total Students Count 6.9% Deficit % of Instructional Recommendation 40% 60% 0% 12.5% 20.8% 66.7% 1.7% 3.4% 94.8% Emerging 11.5% 3.4% © 2006, Dynamic

4 Ways to Achieve Adequate Responsiveness to Intervention



What is an Effective System of Support?

Benchmark Students

- Effective core curriculum & instruction should:
 - support 95% of benchmark students to achieve each literacy goal.

Strategic Students

- Effective supplemental support should:
 - support 80% of strategic students to achieve each literacy goal.

Intensive Students

- Effective interventions should:
 - support 80% of intensive students to achieve the goal or achieve emerging or some risk status.

Example: Washington Elementary

First Grade Classroom #3 Cassandra

Using DIBELS in a Systems-Wide RTI Standard Protocol + Problem-Solving Approach

- Benchmark assess all students 3 times per year.
- Review effectiveness of system of support/intervention each benchmark period.
- Identify (and validate) students needing additional support each benchmark period.
- For students needing additional support, implement & monitor response to a predetermined research-based intervention.
- If response is not adequate, develop & implement an intervention designed for the individual needs of the student.
- If response is not adequate, modify intervention and continue implementation.
- If response continues to be inadequate, student may need special education support.
- Continue to modify intervention and evaluate responsiveness until the desired outcomes are achieved.

Dynamic Indicators of Basic Early Literacy Skills Summary of Effectiveness by District

District: Test District School: All Schools Date: 2001-2002

Step: Beginning of 1st Grade to Middle of 1st Grade

Beginning of First Instructional Recommendation	Intensive at Beginning of Year to			Strateg	ic at Beginning o	of Year	Benchma	Benchmark	k Status		
to Middle of First Benchmark Status on NWF	Mid-Year Deficit	Mid-Year Emerging	Mid-Year Established	Mid-Year Deficit	Mid-Year Emerging	Mid-Year Established	Mid-Year Deficit	Mid-Year Emerging	Mid-Year Established	on NWF in Middle of First (Totals)	
Test District		Intensive at Begi			s Strategic at Beg			Benchmark at Be			N = 406
Count	16	1% of Total Stude	ents 15	11	9% of Total Stude	ents 46	65.	% of Total Stude	209	Deficit	7.6%
% of Instructional Recommendation	32.7%	36.7%	30.6%	10.9%	43.6%	45.5%	1.6%	16.8%	81.6%	Emerging	
% of Total	3.9%	4.4%	3.7%	2.7%	10.8%	11.3%	1.6%	10.6%	51.5%	Established	
Adams		Intensive at Begin			Strategic at Begi			Benchmark at Beg		Established	n = 73
Adams		% of Total Stude			7% of Total Stude			5% of Total Stude		1	11 - 73
Count	1	3	1	3	11	4	1	8	41	Deficit	6.8%
% of Instructional Recommendation	20%	60%	20%	16.7%	61.1%	22.2%	2%	16%	82%	Emerging	30.1%
% of Total	1.4%	4.1%	1.4%	4.1%	15.1%	5.5%	1.4%	11%	56.2%	Established	63%
Garfield	5 Students Intensive at Beginning of 1st			12 Students Strategic at Beginning of 1st			34 Students Benchmark at Beginning of 1st				n = 51
Name and the second sec	9.8% of Total Students			23.5% of Total Students			66.7% of Total Students				
Count	2	2	1	0	3	9	0	7	27	Deficit	3.9%
% of Instructional Recommendation	40%	40%	20%	0%	25%	75%	0%	20.6%	79.4%	Emerging	23.5%
% of Total	3.9%	3.9%	2%	0%	5.9%	17.6%	0%	13.7%	52.9%	Established	72.5%
Jefferson	14 Students Intensive at Beginning of 1st			18 Students Strategic at Beginning of 1st			36 Students Benchmark at Beginning of 1st				n = 68
	20.6% of Total Students			26.5% of Total Students			52.9% of Total Students				
Count	3	2	9	2	7	9	1	7	28	Deficit	
% of Instructional Recommendation	21.4%	14.3%	64.3%	11.1%	38.9%	50%	2.8%	19.4%	77.8%	Emerging	23.5%
% of Total	4.4%	2.9%	13.2%	2.9%	10.3%	13.2%	1.5%	10.3%	41.2%	Established	
Lincoln	10 Students Intensive at Beginning of 1st			17 Students Strategic at Beginning of 1st			45 Students Benchmark at Beginning of 1st				n = 72
6000		9% of Total Stude			6% of Total Stude			5% of Total Stude			
Count	3	4	3	2	8	7	0	9	36	Deficit	
% of Instructional Recommendation	30%	40%	30%	11.8%	47.1%	41.2%	0%	20%	80%	Emerging	
% of Total	4.2%	5.6%	4.2%	2.8%	11.1%	9.7%	0%	12.5%	50%	Established	
McKinley	10 Students Intensive at Beginning of 1st			12 Students Strategic at Beginning of 1st			33 Students I		n = 55		
24 2		2% of Total Stude	ents		8% of Total Stude	ents	60	% of Total Stude			1000000
Count	5	4	1	1	10	1	1	10	22		12.7%
% of Instructional Recommendation	50%	40%	10%	8.3%	83.3%	8.3%	3%	30.3%	66.7%	Emerging	
% of Total	9.1%	7.3%	1.8%	1.8%	18.2%	1.8%		/		Established	13 601
Washington	5 Students Intensive at Beginning of 1st			24 Students Strategic at Beginning of 1st			58 Students Benchmark at Beginning of 1st				n = 87
Sa. 2013.00		% of Total Stude			6% of Total Stude	determinate and the second		% of Total Stude		h	
Count	2	3	0	3	20.87	16	1 70	2 400	55	Deficit	
% of Instructional Recommendation	40% 2.3%	60% 3.4%	0%	12.5% 3.4%	20.8% 5.7%	66.7%	1.7%	3.4% 2.3%	94.8%	Emerging	
% of Total	2.5%	5.4%	0%	5.4%	5.7%	18.4%	1.1%	2.5%	0.5.2%	Established	81.0%

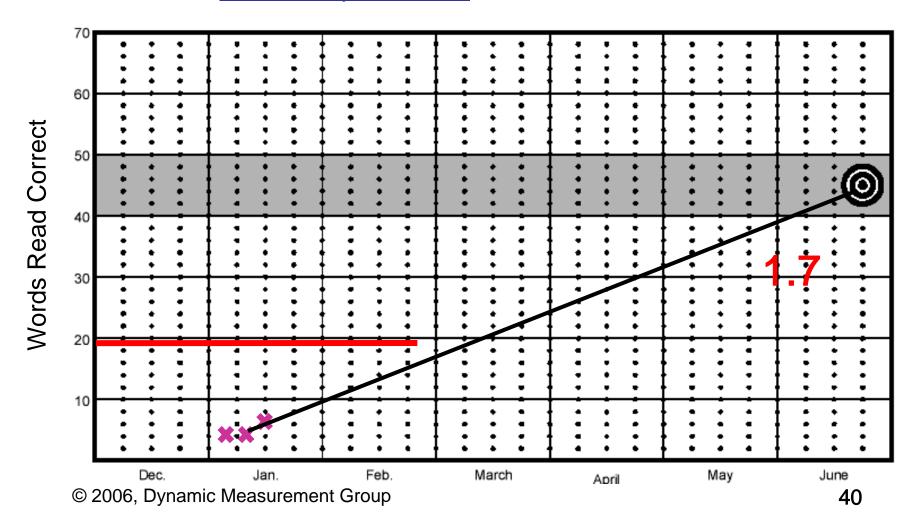
Washington School: Effectiveness of Core

58 Students I		n = 87		
66.				
1	2	55	Deficit	6.9%
1.7%	3.4%	94.8%	Emerging	11.5%
			Emerging Established	81.6%

- Benchmark assess all students 3 times per year.
- Review effectiveness of system of support/intervention each benchmark period.
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- For students needing additional support, implement & monitor response to a predetermined research-based intervention.
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Cassandra: Identify and Validate Need for Support

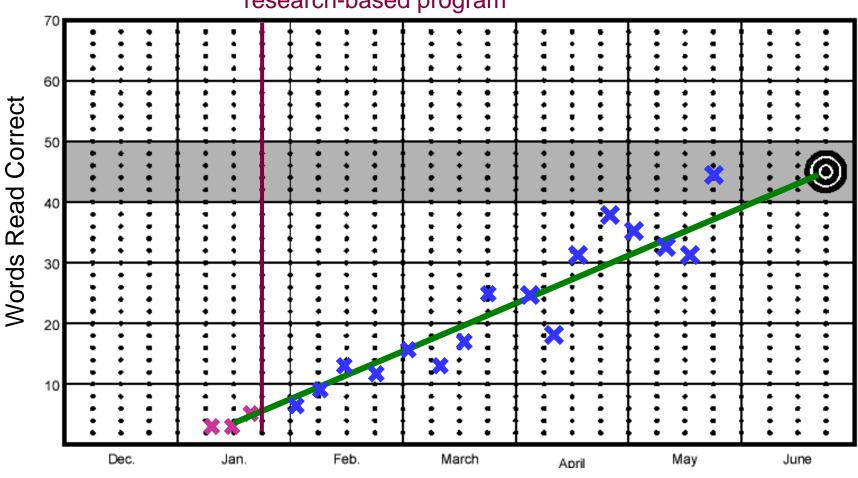
Verify Need for Instructional Support by Retesting with Different Forms Until We Are Reasonably Confident.



- Benchmark assess all students 3 times per year.
- Review effectiveness of system of support/intervention each benchmark period.
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Cassandra: Evaluating Responsiveness to Intervention

Tier 2 Support: add'l 30 min small group using research-based program



Example: McKinley Elementary

First Grade Classroom #5
Matthew, Tia

- Benchmark assess all students 3 times per year.
- Review effectiveness of system of support/intervention each benchmark period.
- Identify (and validate) students needing additional support each benchmark period.
- For students needing additional support, implement & monitor response to a predetermined research-based intervention.
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Dynamic Indicators of Basic Early Literacy Skills Summary of Effectiveness by District

District: Test District School: All Schools Date: 2001-2002

Step: Beginning of 1st Grade to Middle of 1st Grade

Beginning of First	Intensiv	ve at Beginning o	of Year	Strateg	ic at Beginning	of Year	Benchm				
Instructional Recommendation	to			to			to			Benchmark	k Status
to	100000								12 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	on NWF in Middle of First (Totals)	
Middle of First	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year		
Benchmark Status on NWF	Deficit	Emerging	Established	Deficit	Emerging	Established	Deficit	Emerging	Established		
Test District		Intensive at Begi			s Strategic at Begi			Benchmark at Be		10	N = 406
7,50		% of Total Stude			9% of Total Stude		63.	1% of Total Stude			
Count	16	18	15	11	44	46	4	43	209	Deficit	
% of Instructional Recommendation	32.7%	36.7%	30.6%	10.9%	43.6%	45.5%	1.6%	16.8%	81.6%	Emerging	25.9%
% of Total	3.9%	4.4%	3.7%	2.7%	10.8%	11.3%	1%	10.6%	51.5%	Established	66.5%
Adams	5 Students I	intensive at Begin	nning of 1st	18 Students	Strategic at Begi	nning of 1st	50 Students I	Benchmark at Beg	ginning of 1st		n = 73
	6.8	% of Total Stude	nts	24.	7% of Total Stude	ents	68.	5% of Total Stude	ents		
Count	1	3	1	3	11	4	1	8	41	Deficit	6.8%
% of Instructional Recommendation	20%	60%	20%	16.7%	61.1%	22.2%	2%	16%	82%	Emerging	30.1%
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% of Total	3.9%	3.9%	2%	0%	5.9%	17.6%	0%	13.7%	52.9%	Established	72.5%
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% of Total	4.4%	2.9%	13.2%	2.9%	10.3%	13.2%	1.5%	10.3%	41.2%	Established	67.6%
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	13.9% of Total Students			23.	6% of Total Stude	ents	62.5% of Total Students			l	MET THE
Count	3	4	3	2	8	7	0	9	36	Deficit	6.9%
% of Instructional Recommendation	30%	40%	30%	11.8%	47.1%	41.2%	0%	20%	80%	Emerging	29.2%
% of Total	4.2%	5.6%	4.2%	2.8%	11.1%	9.7%	0%	12.5%	50%	Established	63.9%
McKinley	10 Students Intensive at Beginning of 1st			12 Students Strategic at Beginning of 1st			33 Students I		n = 55		
	18.2% of Total Students		21.8% of Total Students			60	l				
Count	5	4	1	1	10	1	1	10	22	Deficit	12.7%
% of Instructional Recommendation	50%	40%	10%	8.3%	83.3%	8.3%	3%	30.3%	66.7%	Emerging	43.6%
% of Total	9.1%	7.3%	1.8%	1.8%	18.2%	1.8%	1.8%	18.2%		Established	
Washington	5 Students Intensive at Beginning of 1st			24 Students Strategic at Beginning of 1st			58 Students I		n = 87		
	5.7% of Total Students			27.6% of Total Students			66.	l			
Count	2	3	0	3	5	16	1	2	55	Deficit	6.9%
% of Instructional Recommendation	40%	60%	0%	12.5%	20.8%	66.7%	1.7%	3.4%	94.8%	Emerging	11.5%

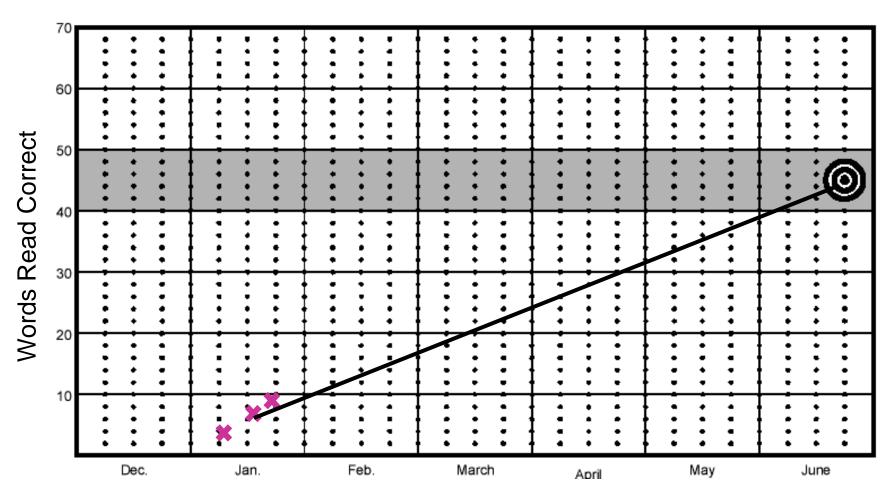
McKinley School Effectiveness of Core

33 Students I		n = 55		
60				
1	10	22	Deficit	12.7%
3%	30.3%	66.7%	Emerging Established	43.6%
			Established	43.6%

- Benchmark assess all students 3 times per year.
- Review effectiveness of system of support/intervention each benchmark period.
- Identify (and validate) students needing additional support each benchmark period.
- For students needing additional support, implement & monitor response to a predetermined research-based intervention.
- If response is not adequate, develop & implement an intervention designed for the individual needs of the student.
- If response is not adequate, modify intervention and continue implementation.
- If response continues to be inadequate, student may need special education support.
- Continue to modify intervention and evaluate responsiveness until the desired outcomes are achieved.

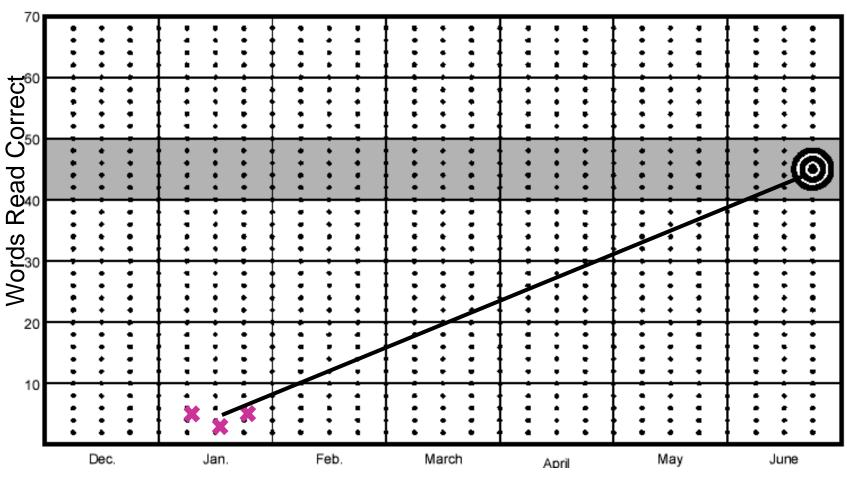
Matthew: Validate Need for Support

Verify Need for Instructional Support by Retesting with Different Forms Until We Are Reasonably Confident.



Tia: Validate Need for Support

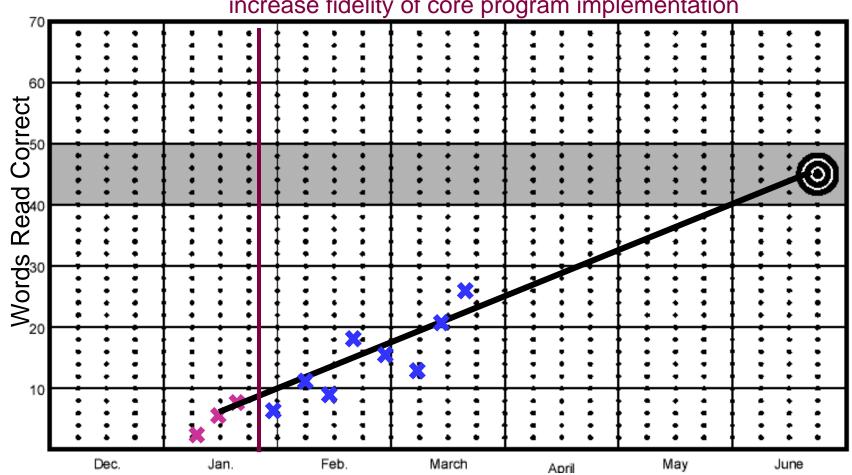
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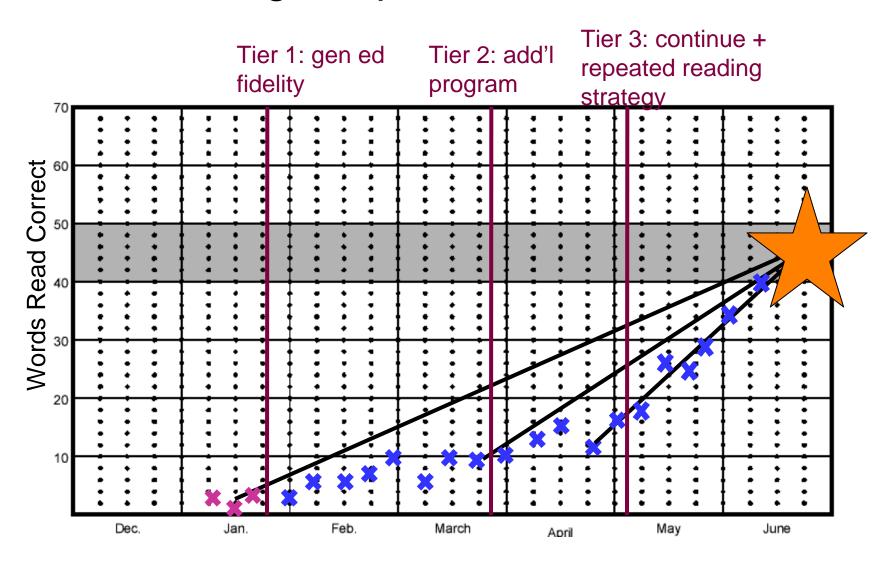
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Matthew: Evaluating Responsiveness to Intervention

Tier 1 Support: general education consultation to increase fidelity of core program implementation



Tia: Evaluating Responsiveness to Intervention

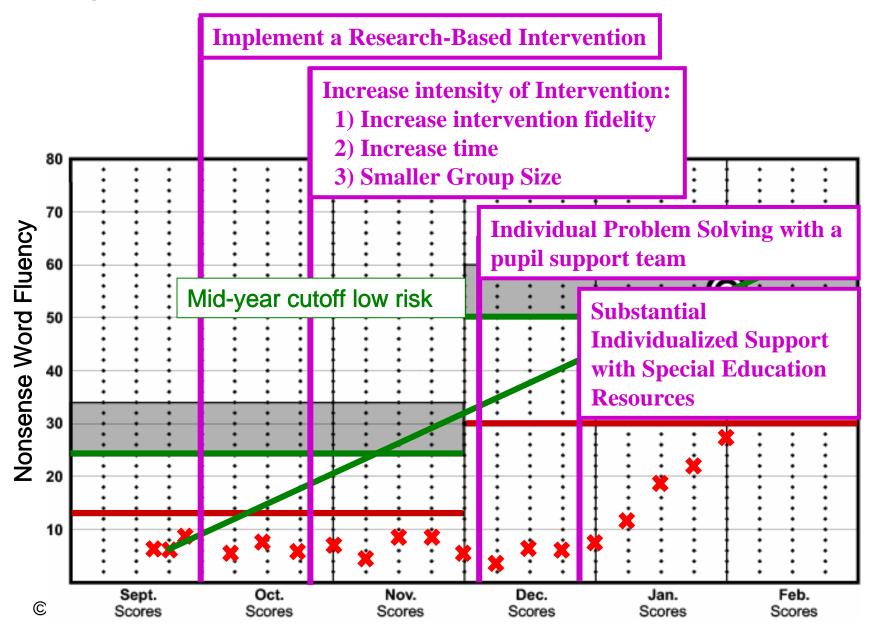


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Summary: RTI – A Viable Alternative

- An emerging alternative to traditional eligibility models that is encouraged (but not required) by the recent reauthorization of IDEA.
 - "Must permit the use of a process that determines if the child responds to scientific, research-based interventions as part of the evaluation procedures"
- Logic: Serious, sustained, stubborn lack of adequate progress when provided with generally effective instruction/intervention is indicative of a serious learning difficulty requiring special education support.

Outcomes Driven Model and RTI



RTI or PORTEI?

- RTI logic requires that the intervention is effective otherwise it indicates a <u>teaching problem</u> rather than a <u>learning</u> <u>problem</u>.
- Requires expertise in instruction and intervention as well as in assessment.
- We need to spend as much time assessing the quality of instruction as we spend assessing the response to the instruction.

Dynamic Indicators of Basic Early Literacy Skills Summary of Effectiveness by District

District: Test District School: All Schools Date: 2001-2002

Step: Beginning of 1st Grade to Middle of 1st Grade

Beginning of First	Intensive at Beginning of Year			Strateg	gic at Beginning	of Year	Benchma				
Instructional Recommendation	to			to				Benchmark Status			
to	20127	2012	20120	16.137	10.11	16.17	1011	2012	20127	on NWF in	
Middle of First	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	Mid-Year	of First	
Benchmark Status on NWF	Deficit	Emerging	Established	Deficit	Emerging	Established	Deficit	Emerging	Established	(Total	
Test District	49 Students Intensive at Beginning of 1st 12.1% of Total Students		101 Students Strategic at Beginning of 1st 24.9% of Total Students			256 Students I	N = 406				
Count	16	18	nts 15	11	9% of Total Stude	nts 46	4	% of Total Stude	209	Deficit	7.6%
% of Instructional Recommendation	32.7%	36.7%	30.6%	10.9%	43.6%	45.5%	1.6%	16.8%	81.6%	Emerging	
% of Total	3.9%	4.4%	3.7%	2.7%	10.8%	11.3%	1%	10.6%	51.5%	Established	66.5%
Adams		Intensive at Begin			Strategic at Begin			Benchmark at Beg		Established	n = 73
Adams		% of Total Stude			7% of Total Stude			5% of Total Stude			11 – 73
Count	1	3	1	3	11	4	1	8	41	Deficit	6.8%
% of Instructional Recommendation	20%	60%	20%	16.7%	61.1%	22.2%	2%	16%	82%	Emerging	30.1%
% of Total	1.4%	4.1%	1.4%	4.1%	15.1%	5.5%	1.4%	11%	56.2%	Established	63%
Garfield	5 Students	Intensive at Begir	ming of 1st	12 Students Strategic at Beginning of 1st			34 Students Benchmark at Beginning of 1st				n = 51
	9.8	% of Total Stude	nts	23.5% of Total Students			66.7% of Total Students			1	
Count	2	2	1	0	3	9	0	7	27	Deficit	3.9%
% of Instructional Recommendation	40%	40%	20%	0%	25%	75%	0%	20.6%	79.4%	Emerging	23.5%
% of Total	3.9%	3.9%	2%	0%	5.9%	17.6%	0%	13.7%	52.9%	Established	72.5%
Jefferson	14 Students	Intensive at Begi	nning of 1st	18 Students Strategic at Beginning of 1st			36 Students Benchmark at Beginning of 1st				n = 68
	20.0	5% of Total Stude	ents	26.5% of Total Students			52.9% of Total Students				
Count	3	2	9	2	7	9	1	7	28	Deficit	8.8%
% of Instructional Recommendation	21.4%	14.3%	64.3%	11.1%	38.9%	50%	2.8%	19.4%	77.8%	Emerging	
% of Total	4.4%	2.9%	13.2%	2.9%	10.3%	13.2%	1.5%	10.3%	41.2%	Established	
Lincoln		Intensive at Begin		17 Students Strategic at Beginning of 1st			45 Students Benchmark at Beginning of 1st				n = 72
		% of Total Stude	ents		6% of Total Stude	ents		5% of Total Stude			
Count	3	4	3	2	8	7	0	9	36	Deficit	- 1
% of Instructional Recommendation	30%	40%	30%	11.8%	47.1%	41.2%	0%	20%	80%	Emerging	
% of Total	4.2%	5.6%	4.2%	2.8%	11.1%	9.7%	0%	12.5%		Established	
McKinley		Intensive at Begin		12 Students Strategic at Beginning of 1st			33 Students B		n = 55		
		2% of Total Stude	ents	21.	8% of Total Stude	ents	60	% of Total Studer		D	10.70/
Count	5	400/	1.00/	1 9.20/	10	9.20/	20/	10	22		12.7%
% of Instructional Recommendation	50% 9.1%	40%	10%	8.3%	83.3%	8.3%	3%	30.3%	66.7%	Emerging	- 1
% of Total Washington		7.3%	1.8%	1.8%	18.2%	1.8%	1.8%	18.2% Benchmark at Beg	40%	Established	43.6% n = 87
wasnington	5 Students Intensive at Beginning of 1st 5.7% of Total Students			24 Students Strategic at Beginning of 1st					n = 87		
Count	2	2 2 2 2 2 2 2 2 2	0	27.6% of Total Students 3 5 16			66.7% of Total Students 1 2 55			Deficit	6.9%
% of Instructional Recommendation	40%	60%	0%	12.5%	20.8%	66.7%	1.7%	3.4%	94.8%	Emerging	
% of Instructional Recommendation % of Total	2.3%	3.4%	0%	3.4%	5.7%	18.4%	1.1%	2.3%		Established	
76 OI 10tai	2.370	3.470	U%0	3.4%	3.170	10.4%	1.170	2.370	03.270	Established	01.070

CSI Report – Identify Targets of Opportunity

- Core Curriculum and Instruction Benchmark Students
 - Strength 95% of Benchmark Students Achieve Goal
 - Relative Strength Upper Third
 - Needs Support Middle Third
 - Needs Substantial Support Lower Third
- Supplemental Instruction Strategic Support Students
 - Strength 80% of Strategic Students Achieve Goal
 - Relative Strength Upper Third
 - Needs Support Middle Third
 - Needs Substantial Support Lower Third
- Intensive Intervention Intensive Support Students
 - Strength 80% of Intensive Students are Emerging or Achieve Goal
 - Relative Strength Upper Third
 - Needs Support Middle Third
 - Needs Substantial Support Lower Third

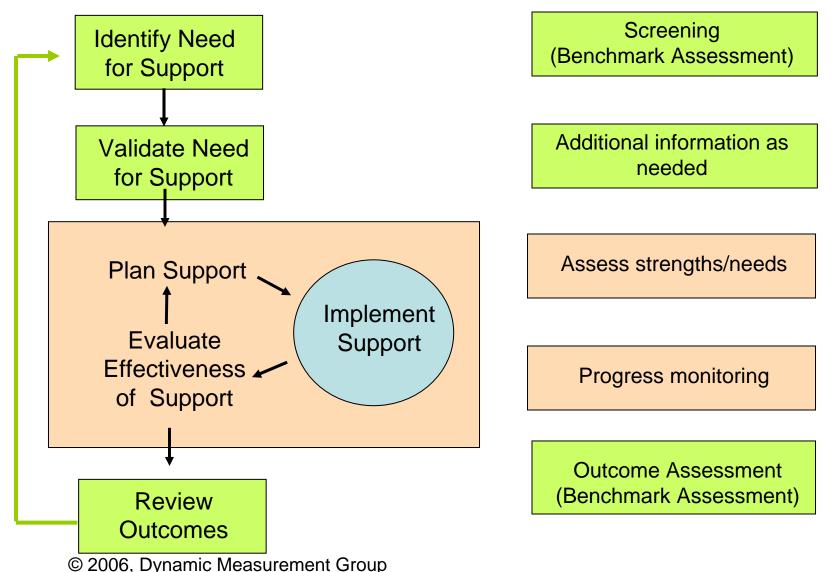
Meaningful Differences in Effectiveness of Core Curriculum and Instruction

- Schools differ in the percent of Benchmark Students who achieve literacy goals.
- Consistent and robust finding: Odds are in favor of achieving goals for benchmark students, but sometimes more in favor.
- 82% District wide
 - 82% Adams
 - 79% Garfield
 - 78% Jefferson
 - 80% Lincoln
 - 67% McKinley
 - 95% Washington

RTI or PORTEI?

- Most appropriate in a prevention-oriented framework.
- Previous disability models have been reactive and not proactive.
 - Wasted time, effort, and resources before investing in interventions for children
- Consistent with a continuum of support across general and special education like a <u>three tier model</u>.
- Rapidly escalating support.
- Focus on the level of support and resources to make adequate progress.

Prevention-Oriented Response to Intervention



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