



Identifying At-Risk Students in their Earlier Grades

Robert Dunn, Superintendent of Education
Samuel Zheng, Manager of MISA Data & Statistics

York Region District School Board

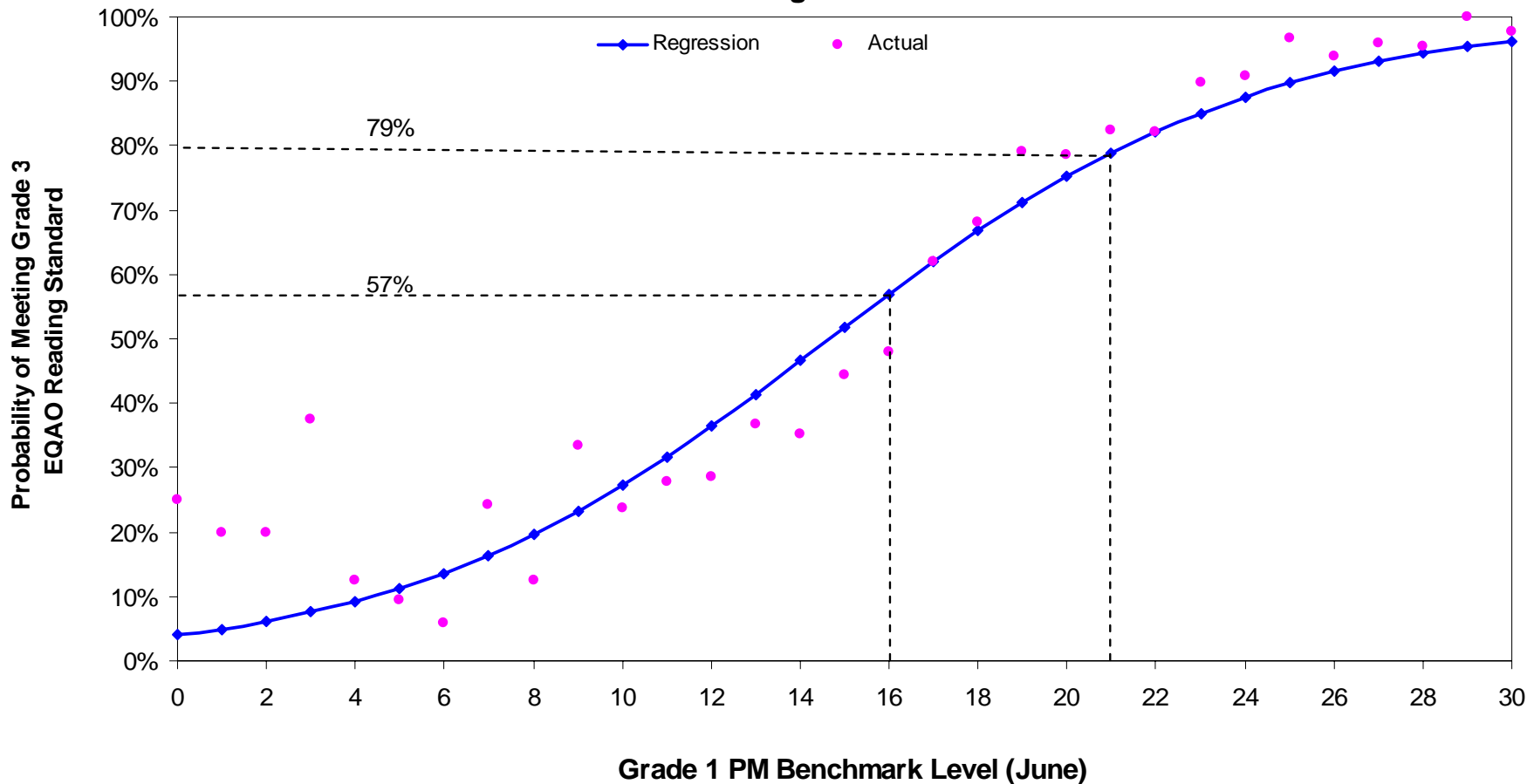
January 2007

Purposes

- The Ontario targets:
 - ✓ By 2008, 75% of 12 years old will achieve provincial standards in reading, writing & mathematics
 - ✓ By 2010, 85% of secondary students will graduate.
- Passing the *Ontario Secondary School Literacy Test (OSSLT)* is a requirement of the *Ontario Secondary School Diploma (OSSD)*.
- Identifying at-risk students in early school years becomes one of the key components of setting up proper intervention programs in the earlier grades.

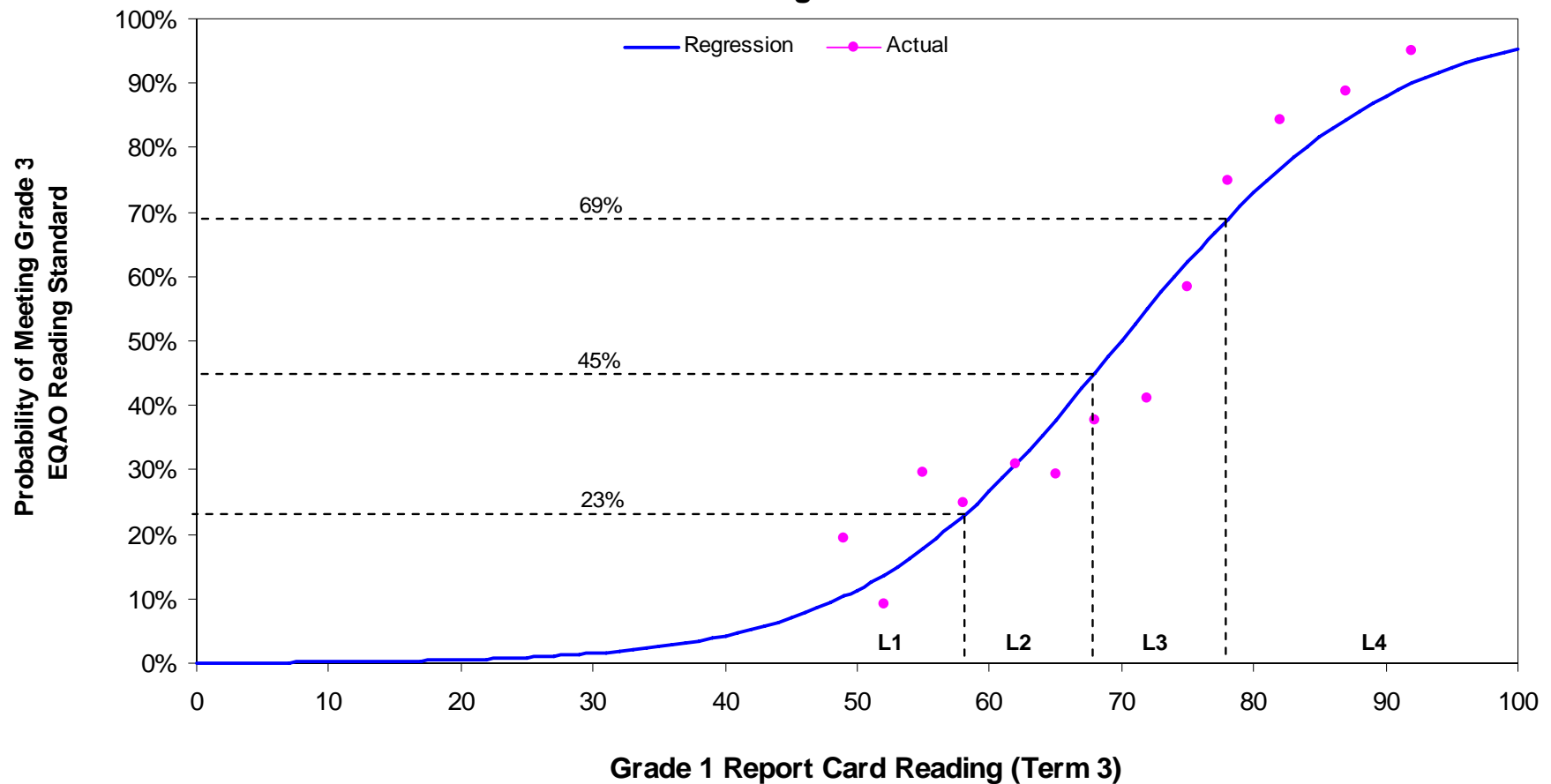
From the Research: The probability of meeting the Grade 3 EQAO standard is estimated to be less than 57% for students who achieve below expectation on Grade 1 PM Benchmark assessment.

Figure 3.4 Correlation of Students' Grade 1 PM Benchmark Achievement with Grade 3 EQAO Reading Outcomes



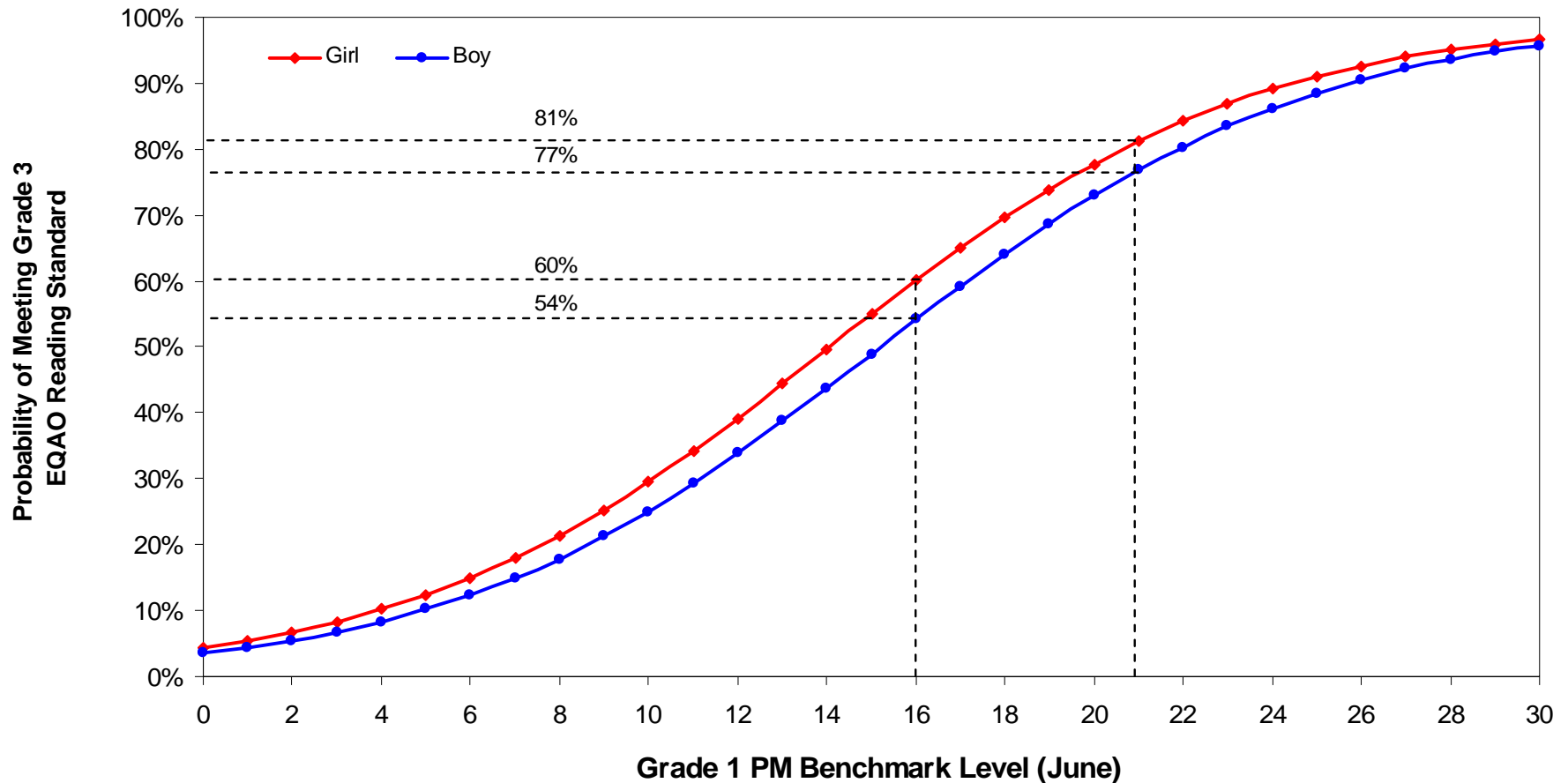
From the Research: For students who achieve Level 2 or below on Grade 1 report card, the probability of meeting the Grade 3 EQAO standard is estimated to be 45% or less.

Figure 3.6 Correlation of Students' Grade 1 Report Card Achievement with Grade 3 EQAO Reading Outcomes



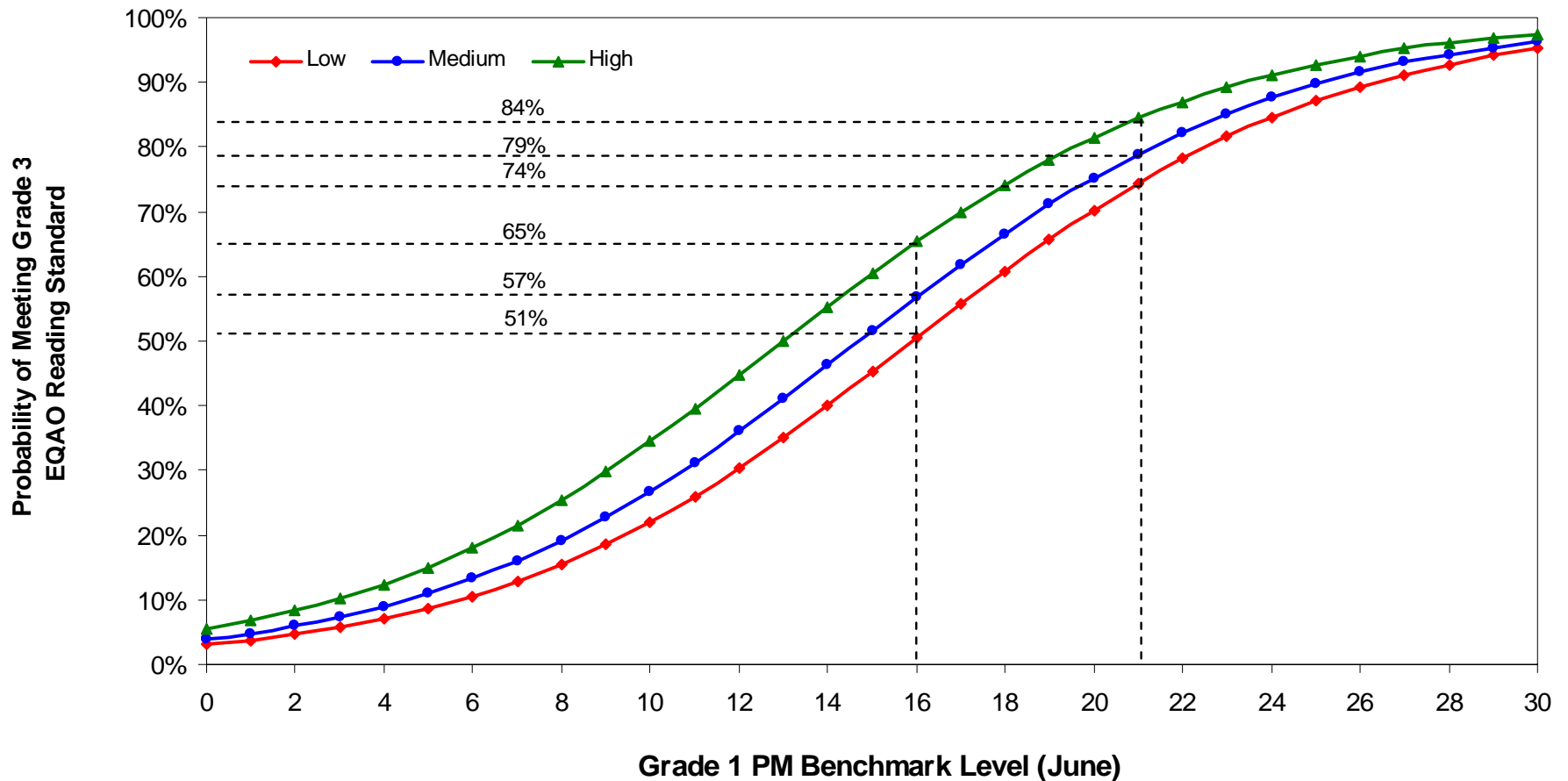
From the Research: Boys face more challenges to meet EQAO standards than girls when achieving below expectations on Grade 1 PM Benchmark assessment.

Figure 3.15 Impacts of Gender and Grade 1 PM Benchmark Achievement on Students' Grade 3 EQAO Reading Outcomes



From the Research: Students from low socioeconomic communities face more challenges to meet EQAO standards than others when achieving below expectations on Grade 1 PM Benchmark assessment.

Figure 3.17 Impacts of Socioeconomic Status and Grade 1 PM Benchmark Achievement on Students' Grade 3 EQAO Reading Outcomes



Triple Jeopardy

1. Below 16 in PM
 - Less than 57%
2. Male
 - 60% for girls
 - 54% for boys
3. Low SES
 - 65% for Highest SES
 - 51% for Lowest SES

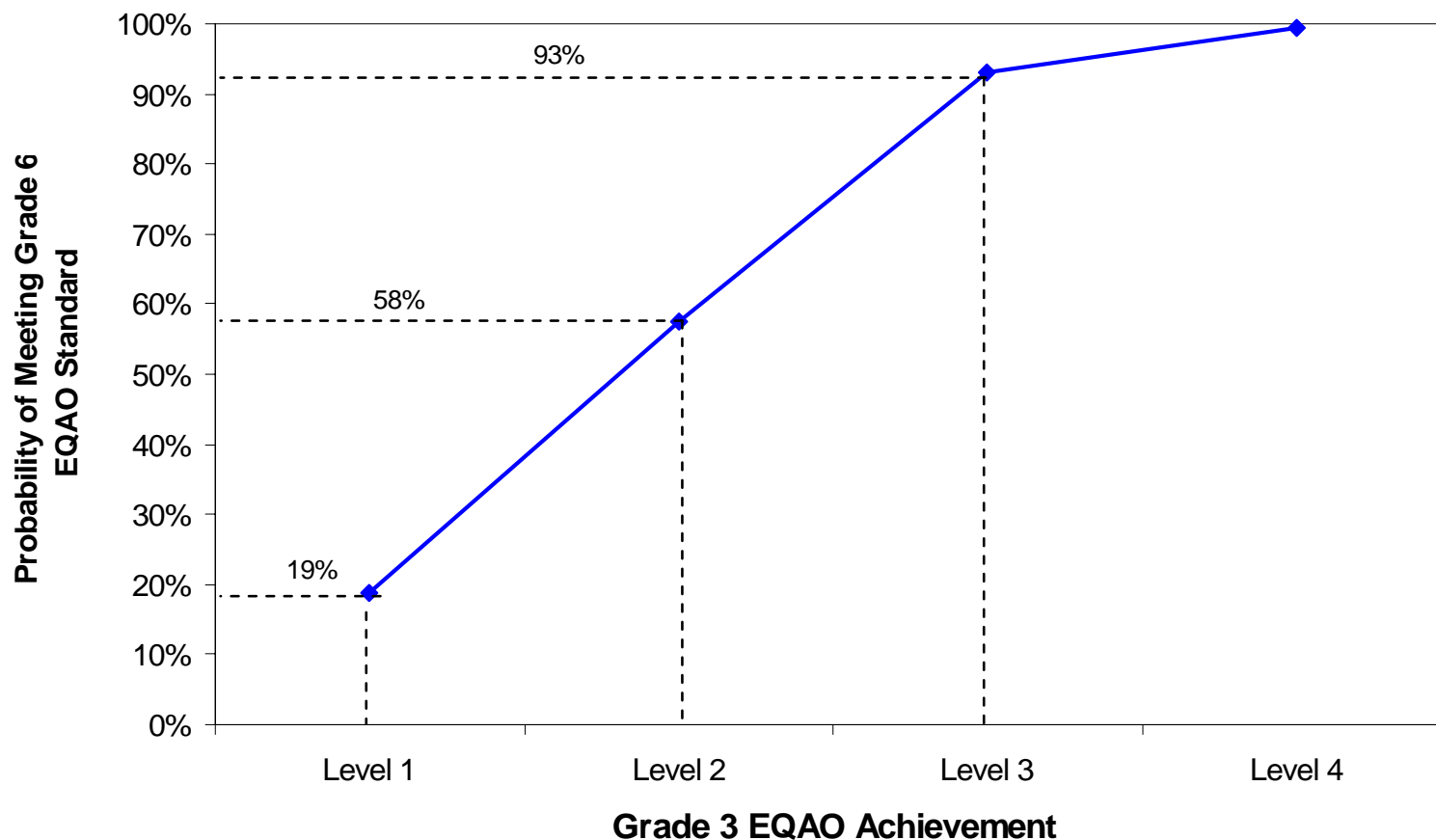
Student Profile: Steven (Grade 5)

- Steven is a current Grade 5 student from a high socioeconomic community who has been attending the same school since kindergarten.

	Report Card		EQAO			PM Benchmark (June)
	Reading	Writing	Reading	Writing	Math	
Gr. 5	D (Nov)	D- (Nov)				
Gr. 4	D+	C-				
Gr. 3	R	R	L 1	L 2	L 2	21
Gr. 2	D+	D+				14
Gr. 1	D+	D+				

From the Research: For students who achieve Level 2 on Grade 3 EQAO, the probability of meeting the Grade 6 EQAO standard is estimated to be 58%. The probability decreases to 19% when achieving Level 1 on Grade 3 EQAO.

Figure 4.2 Correlation of Students' Grade 3 EQAO Achievement with Grade 6 EQAO Outcomes



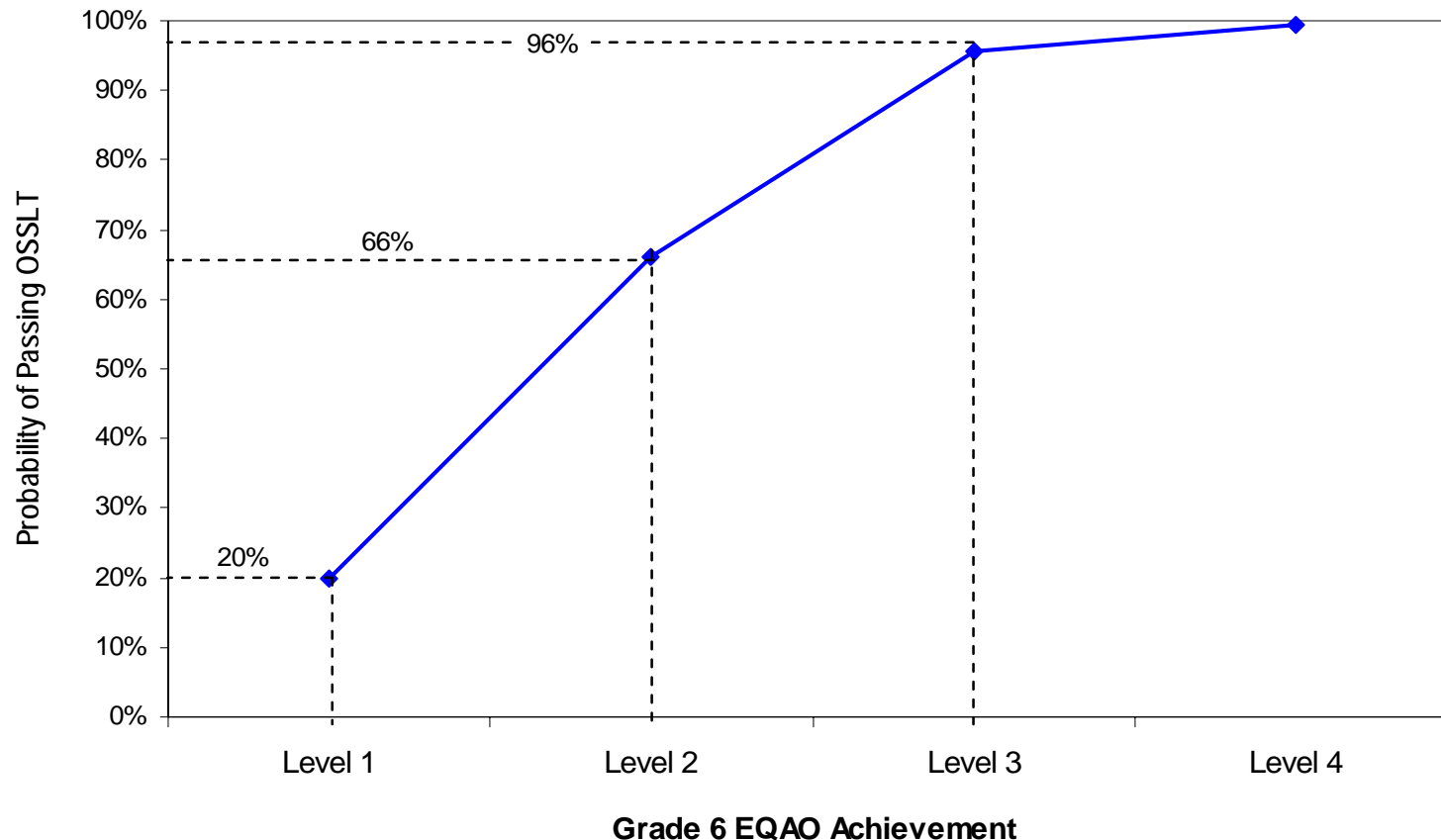
Student Profile: Olivia (Grade 7)

- Olivia is a current Grade 7 student from an average socioeconomic community who has been attending the same school since kindergarten.

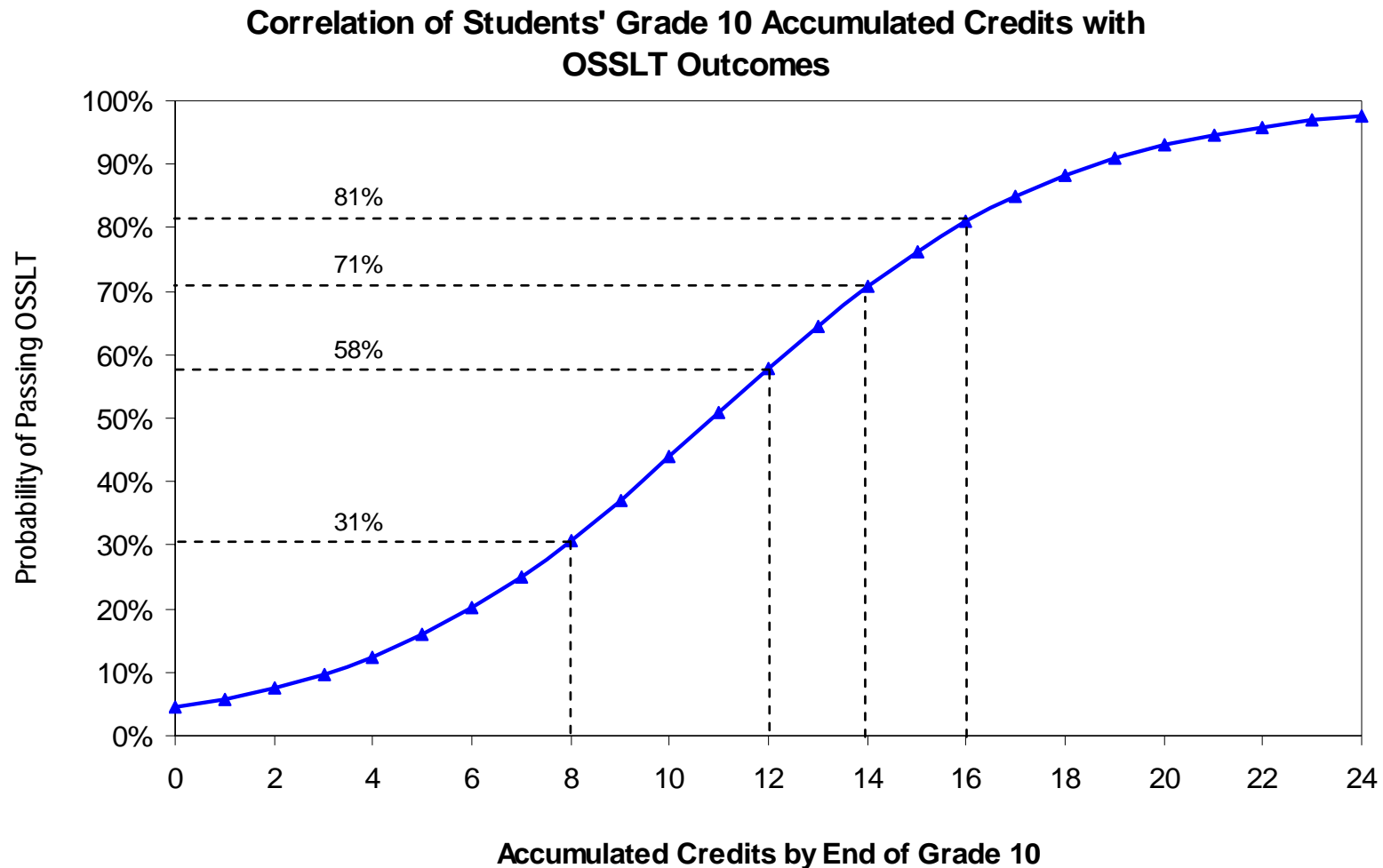
	Report Card		EQAO			PM Benchmark (June)	DRA (June)
	Reading	Writing	Reading	Writing	Math		
Gr. 6	C+	B-	L 1	L 2	L 1		30
Gr. 5	B-	B-					
Gr. 4	R	R					
Gr. 3	D+	D+	L 1	L 1	L 1	22	
Gr. 2	B-	C+				20	
Gr. 1	A-	C+				19	

From the Research: For students who achieve Level 2 on Grade 6 EQAO, the probability of passing the OSSLT is estimated to be 66%. The probability decreases to 20% when achieving Level 1 on Grade 6 EQAO.

Figure 5.2 Correlation of Students' Grade 6 EQAO Achievement with Grade 10 OSSLT Outcomes



From the Research: For students who accumulate 12 credits by the end of Grade 10 (half year behind), the probability of passing the OSSLT is estimated to be 58% or less.



Summary of Gr. 6 – OSSLT Student Cohort Study

- Students with low achievement in grades 6-9 tend to continue to struggle in Grade 10:
 - the probability of passing the OSSLT for students who achieve Level 1 on the Grade 6 EQAO assessments is estimated to be only 20%.
 - the probability of passing the OSSLT for students who achieve Level 2 on the Grade 6 EQAO is estimated to be 66%.
- An Ontario study indicates that the best indicators of dropout are the loss of key credits in grades 9 and 10 (King, 2004).

Student Profile: Travis (Grade 11)

- Travis is a current Grade 11 student from a low socioeconomic community.

	Report Card			Credits	EQAO		
	Reading	Writing	Math		Reading	Writing	Math
Gr. 10	40		38	11	Failed	Failed	
Gr. 9	50		52	7			L 0
Gr. 8	64	62	70				
Gr. 7	73	68	70				
Gr. 6	C+	C	B-		L 2	L 2	L 1
Gr. 5	C	C+	B-				
Gr. 4							
Gr. 3					L 2	L 2	L 2
Gr. 2							
Gr. 1							

From the Research....

- The research findings are based on three student cohort studies in YRDSB. If we **assume** that:
 - Younger student cohorts will follow the same trajectory as the older cohorts, and
 - No major educational reforms or new intervention programs introduced in students' schooling, then:
- For students who achieve Level 2 on the Grade 1 report card reading, the probability of passing the OSSLT for the first time is estimated to be **19%**;
- For students who achieve Level 2 on the Grade 3 EQAO reading, the probability of passing the OSSLT for the first time is estimated to be **44%**.
- For students who achieve Level 2 on the Grade 6 EQAO reading, the probability of passing the OSSLT for the first time is estimated to be **66%**.

Review

- Steven
- Olivia
- Travis

What is our response?

We can make a difference

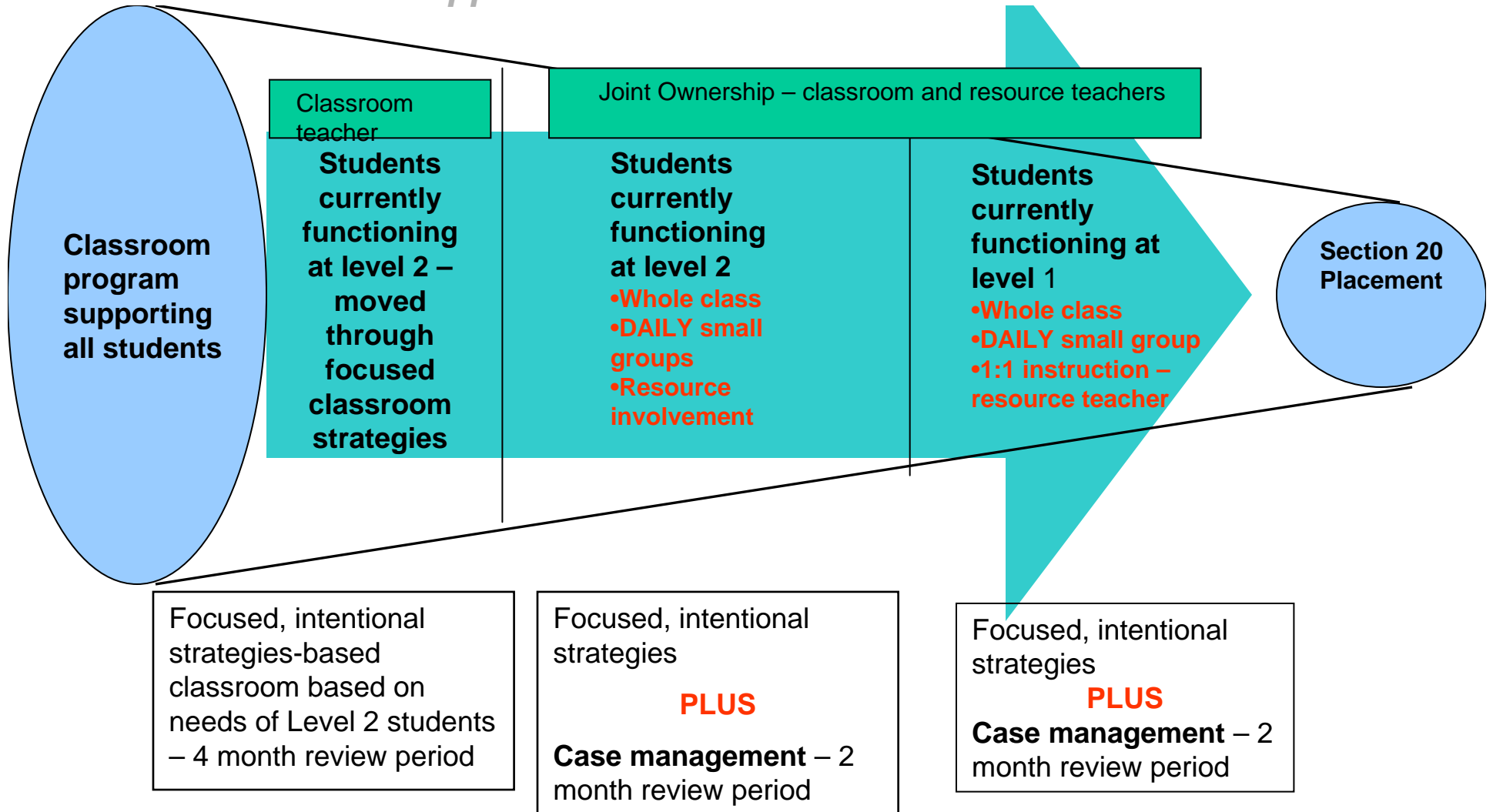
- Classroom instruction is the single greatest predictor of student success.
- Principal leadership is second only to classroom instruction on impacting on student achievement

Robert Marzano

Continuum of Support

“All Children Can Achieve High Standards,
Given significant Time and Support.”

Our aim is to support ALL children with a continuum of service



Our work matters

- Focused
- Intentional
- Evidence-based

If not now

WHEN!