

EQAO Assessment of Mathematics Upper Grand DSB Results

2009-2010

Grade 9 Assessment of Mathematics

- ❖ Assessment administered in two 50-minute blocks
- ❖ Booklets contain both field-test and operational items
- ❖ Different booklets for academic and applied students
- ❖ Schools may decide to include the results of the assessment in a student's mathematics mark

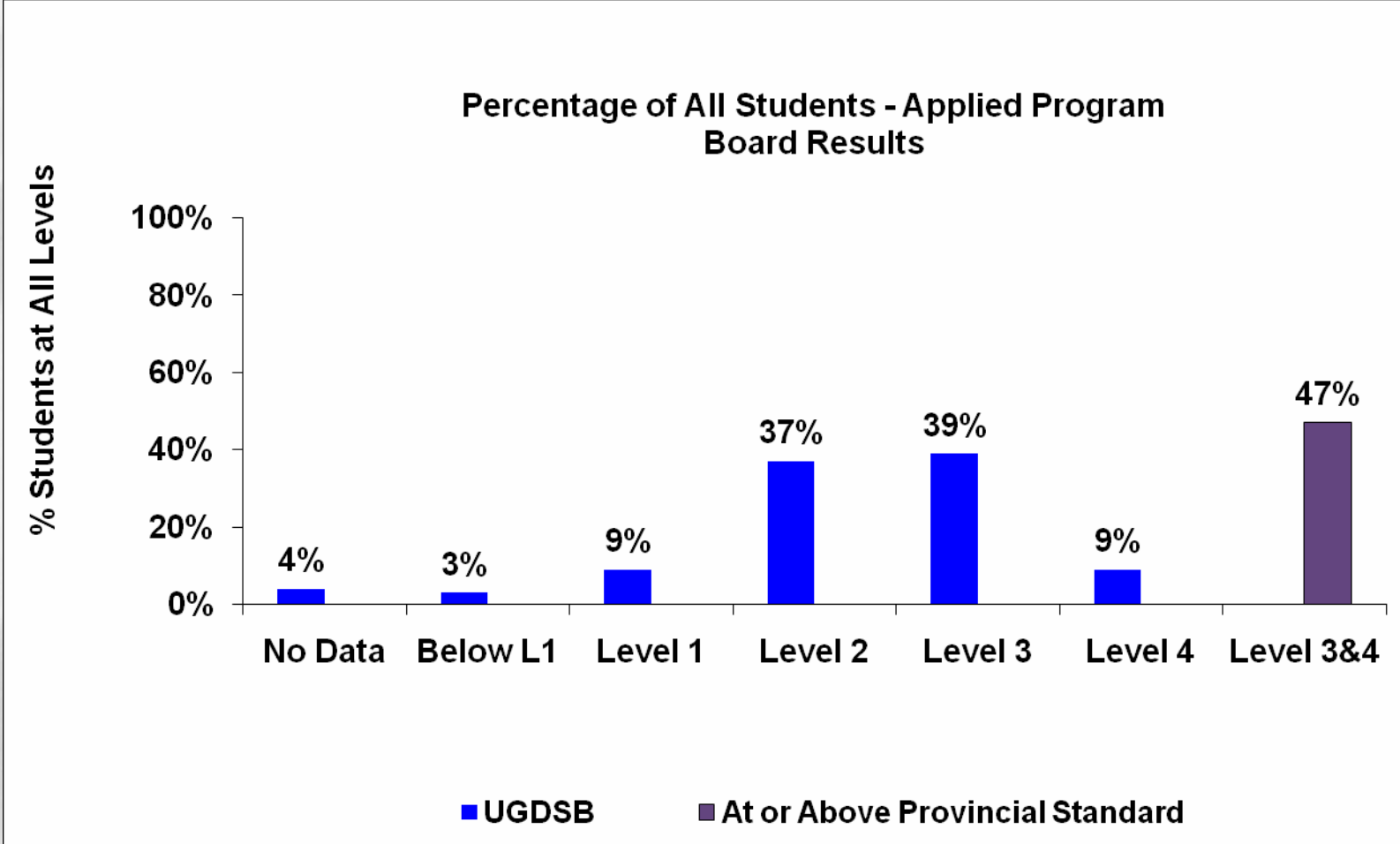
Contextual Information

	Applied	Academic
Number of Students	899	1656
Participated	96%	99%
No Data	4%	1%
Female	47%	49%
Male	53%	51%
English Language Learners	3%	<1%
Special Needs (excluding gifted)	23%	4%
Accommodations	13%	3%
Special Provisions	3%	<1%

Results by Program of Study

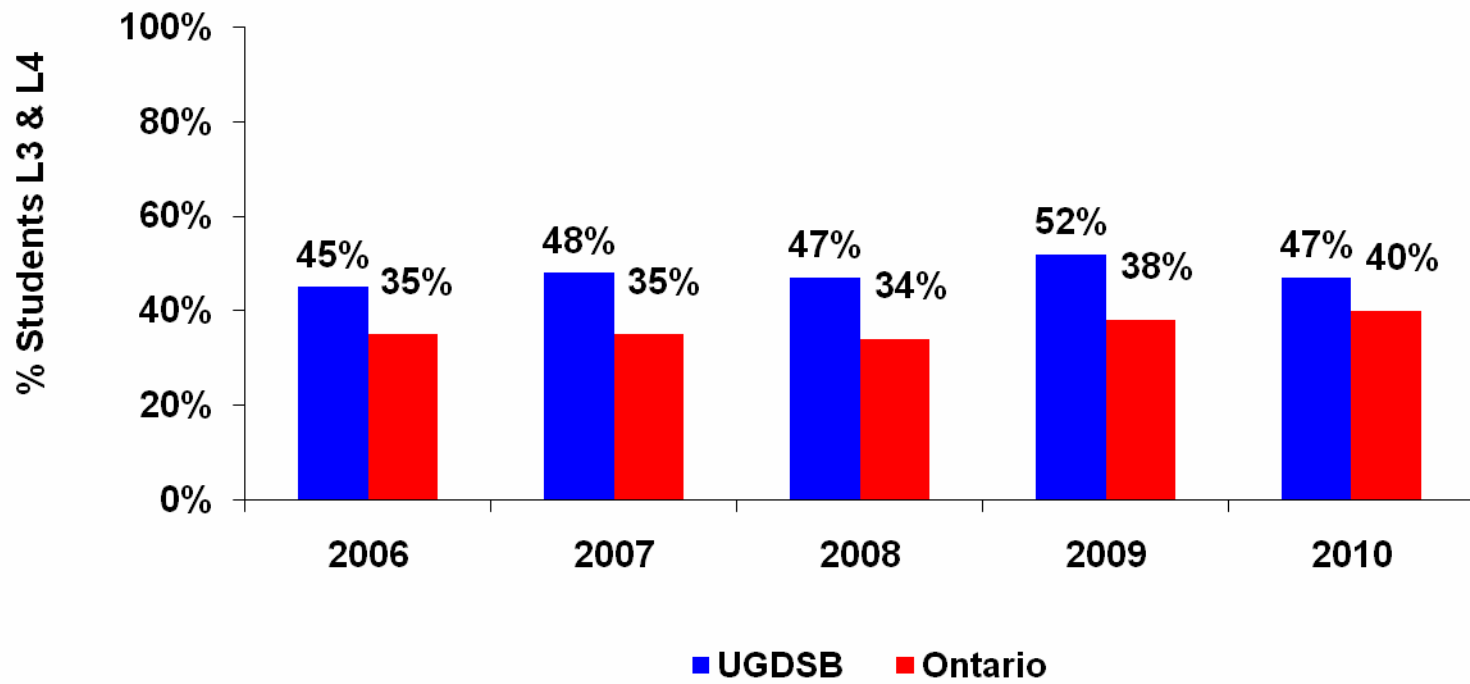
Applied

Results by Program of Study – Applied

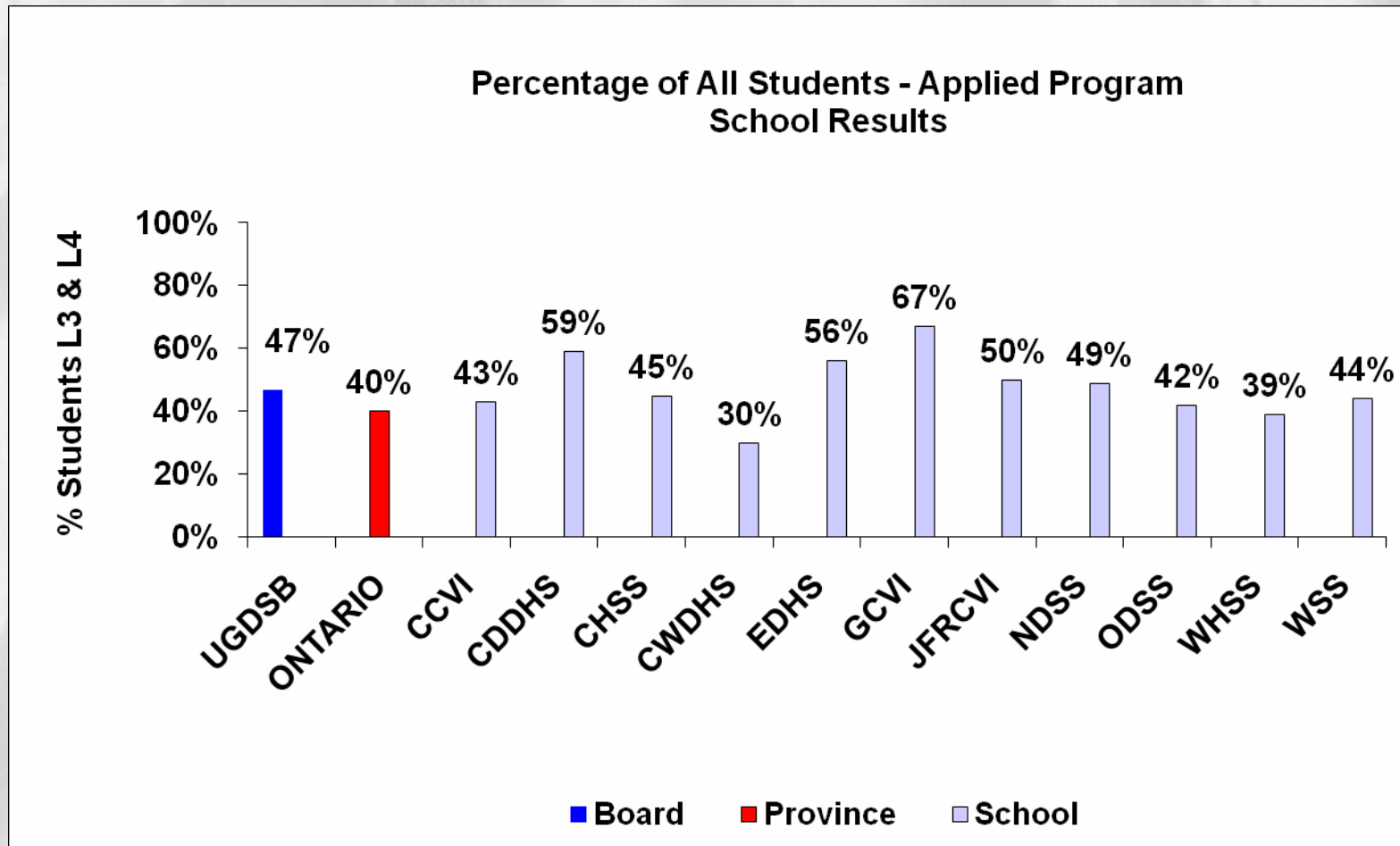


Results Over Time – Applied

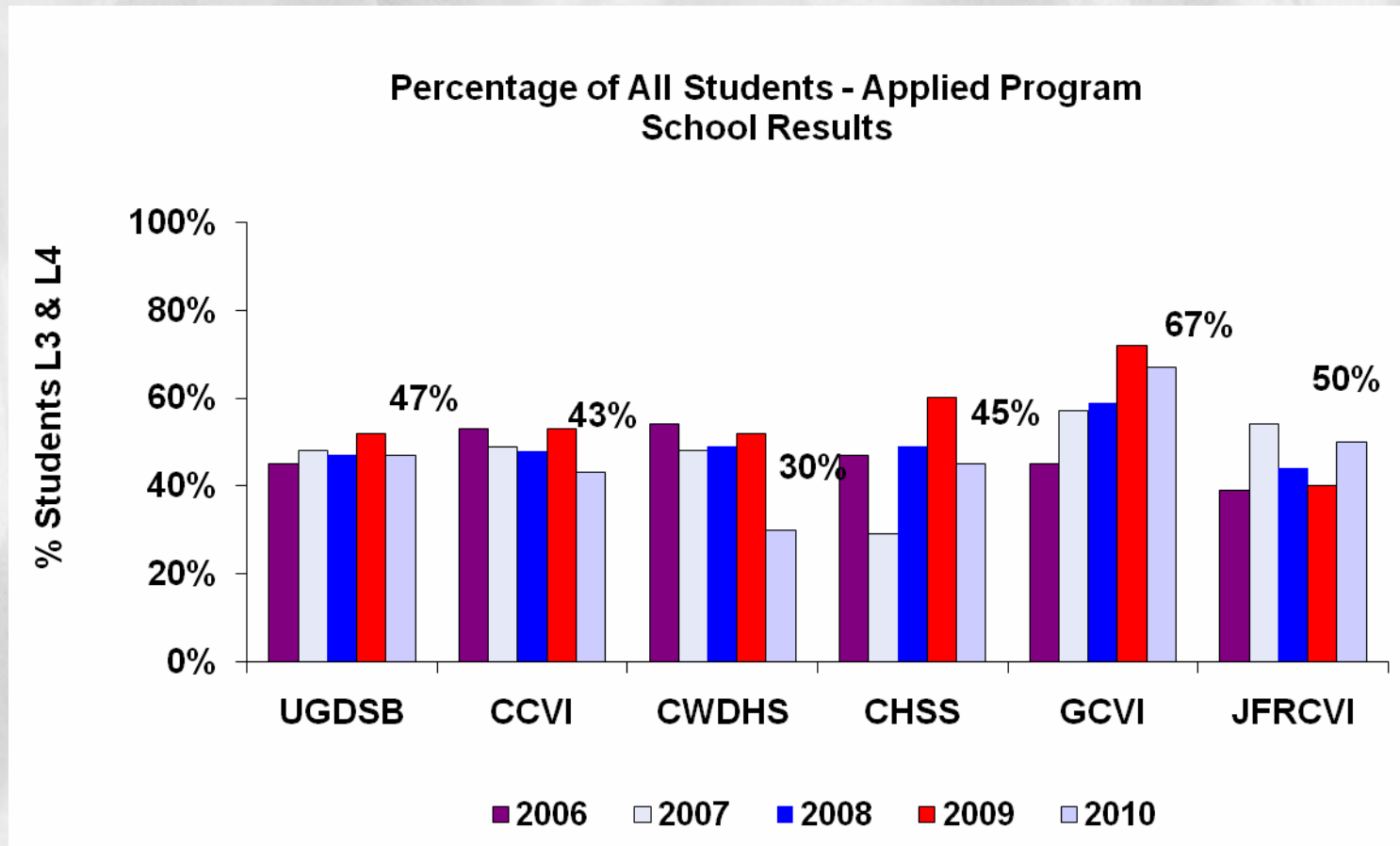
Trends Over Time - Applied Program
Upper Grand & Province



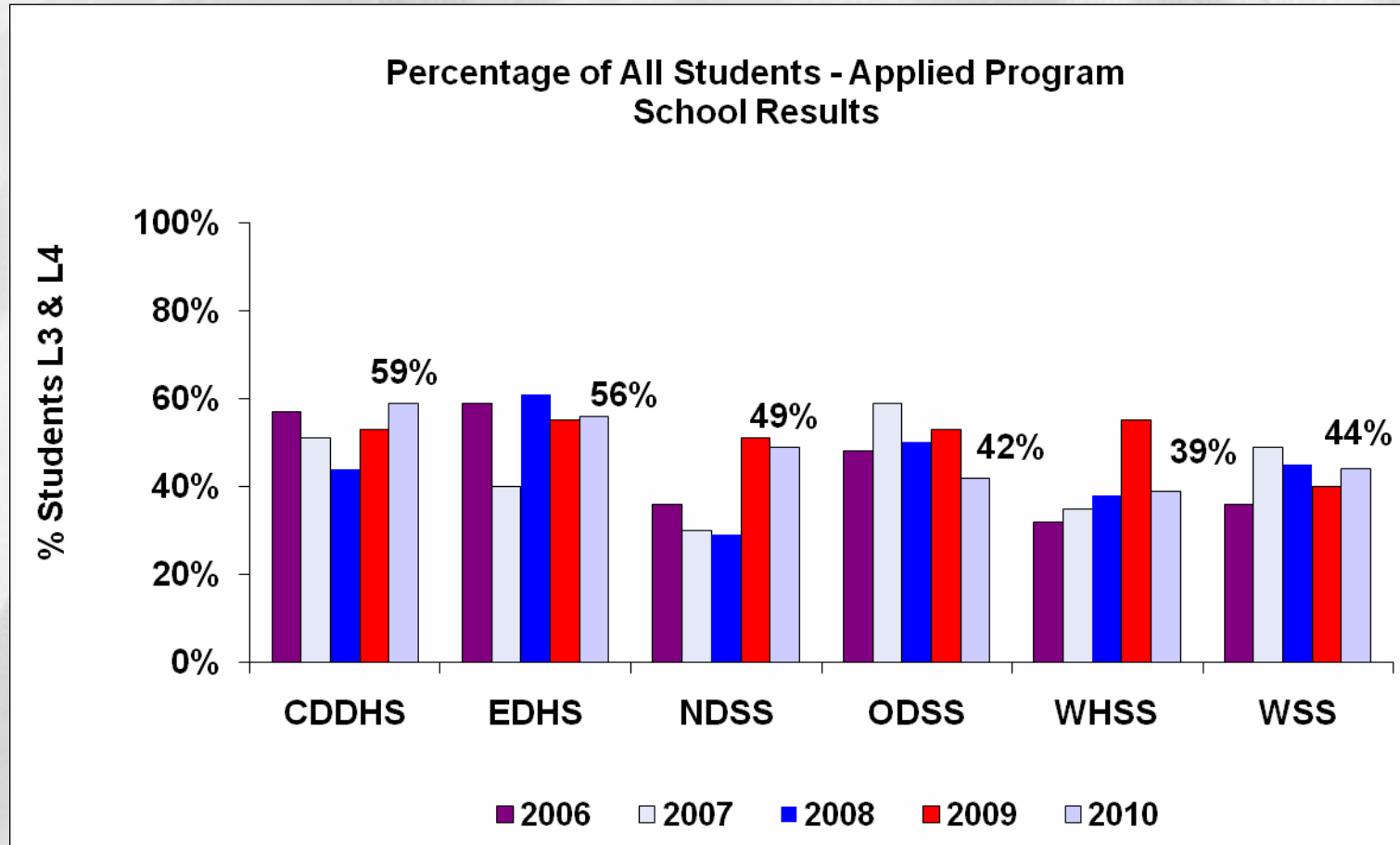
Results by School – Applied



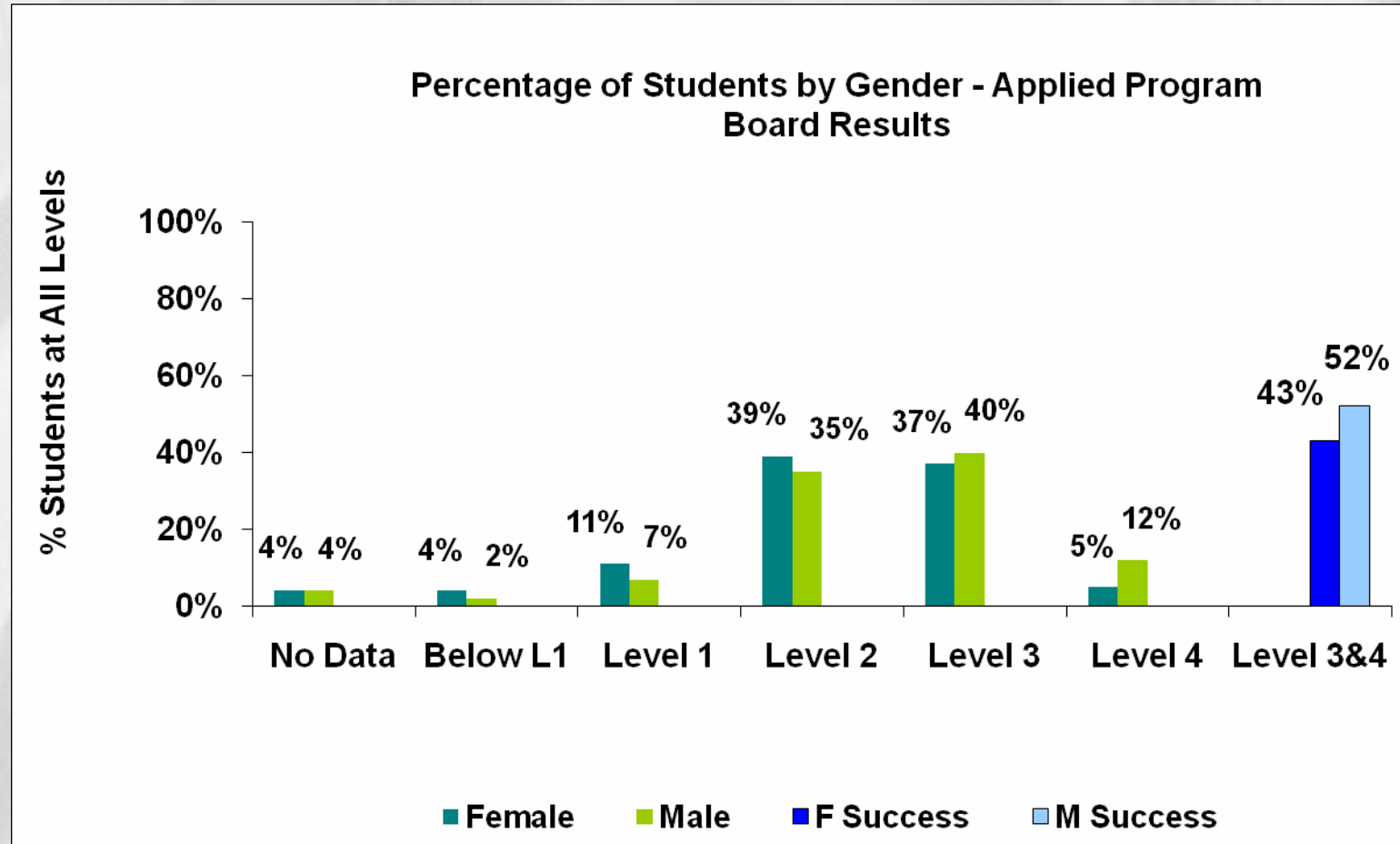
School Results Over Time – Applied



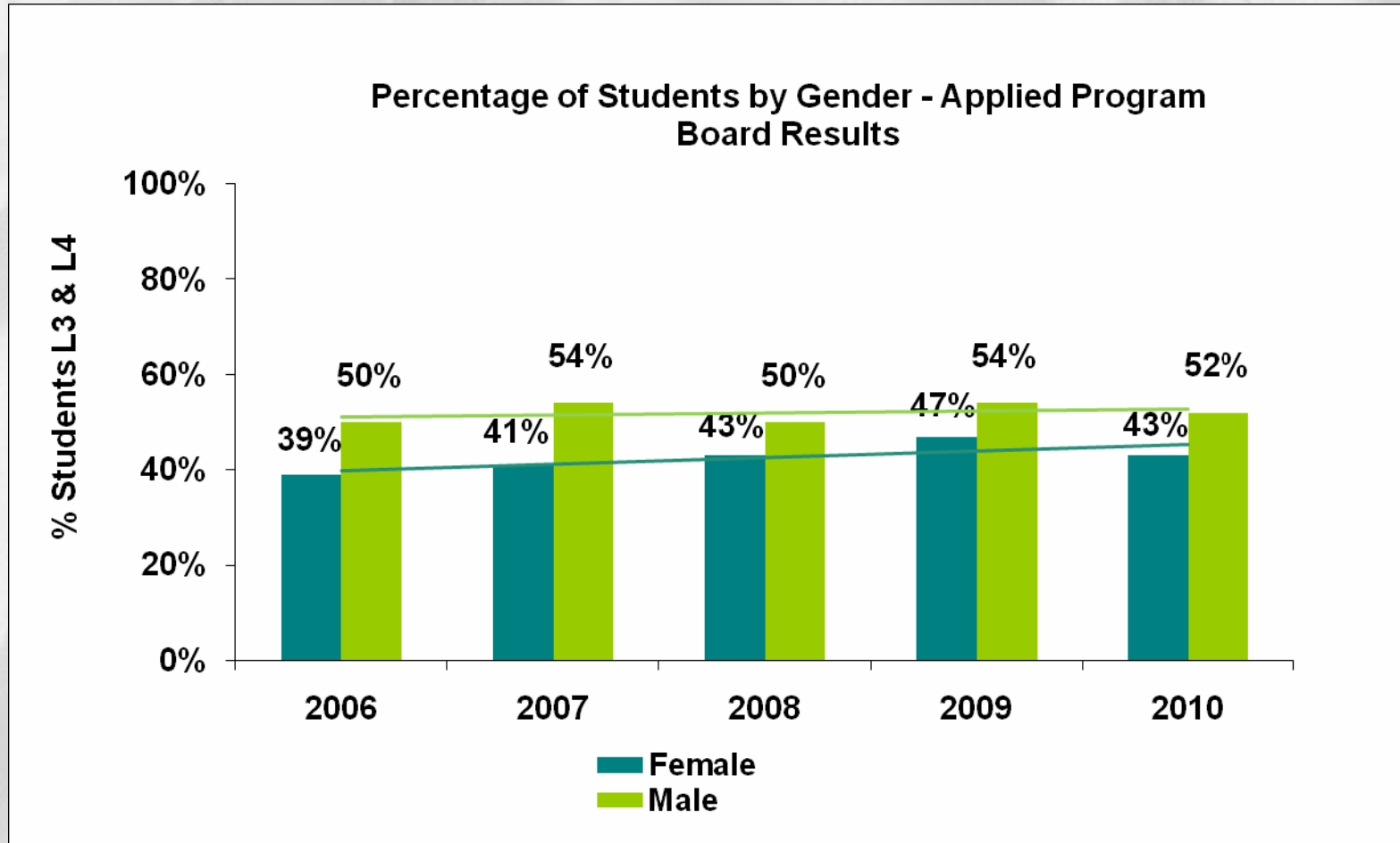
School Results Over Time – Applied



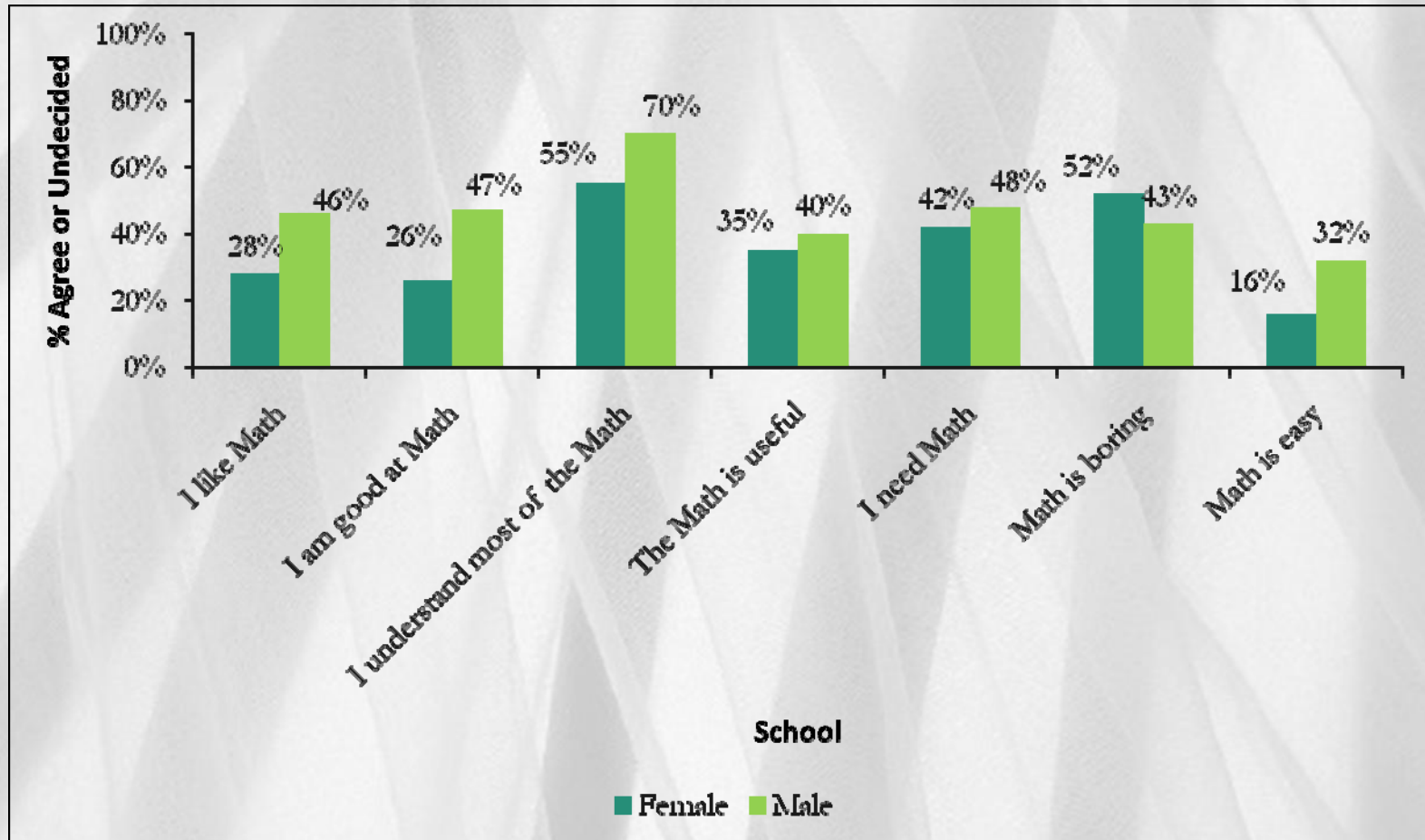
Results by Gender – Applied



Gender Results Over Time – Applied

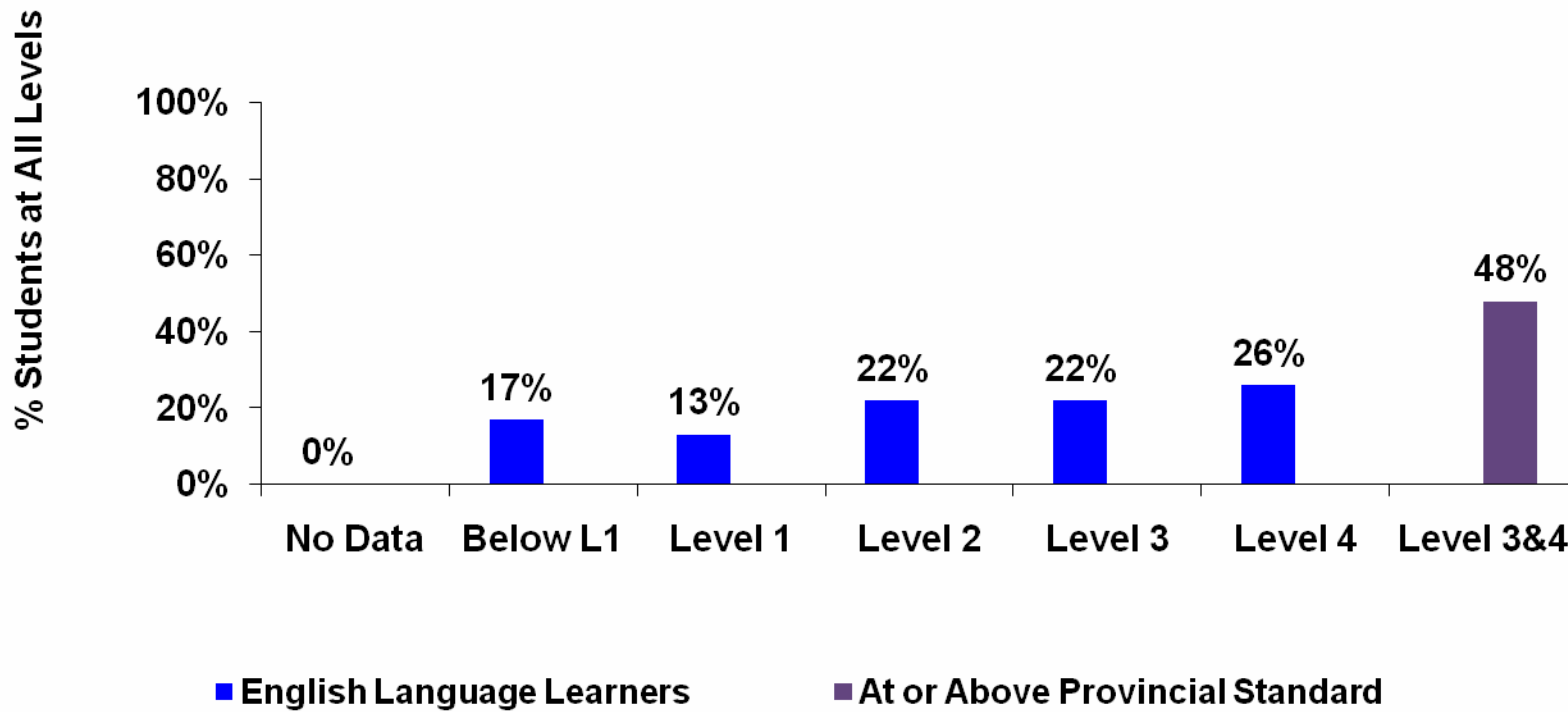


Gender Profile Student Questionnaire – Applied



English Language Learners Results – Applied

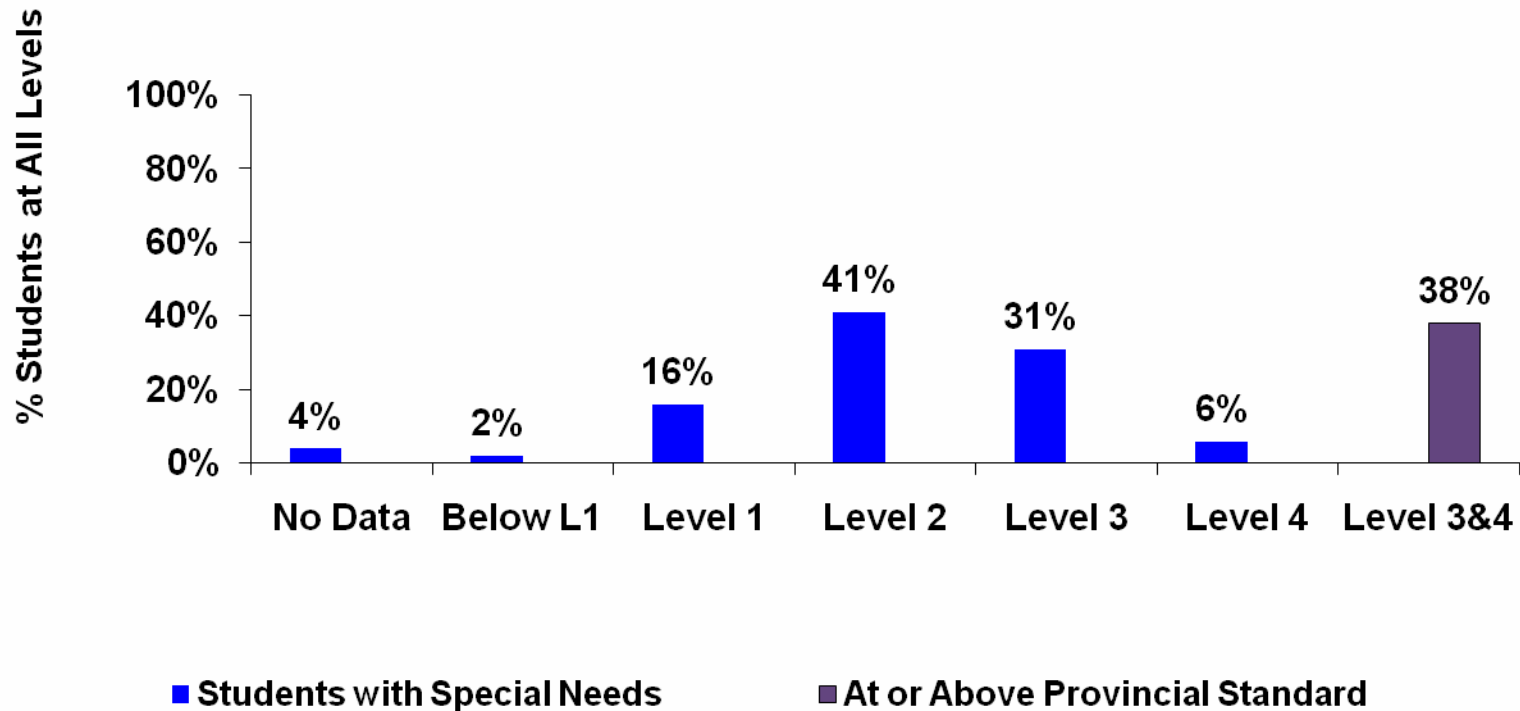
Percentage of English Language Learners - Applied Program Board Results



Special Needs Results – Applied

(Excluding Gifted)

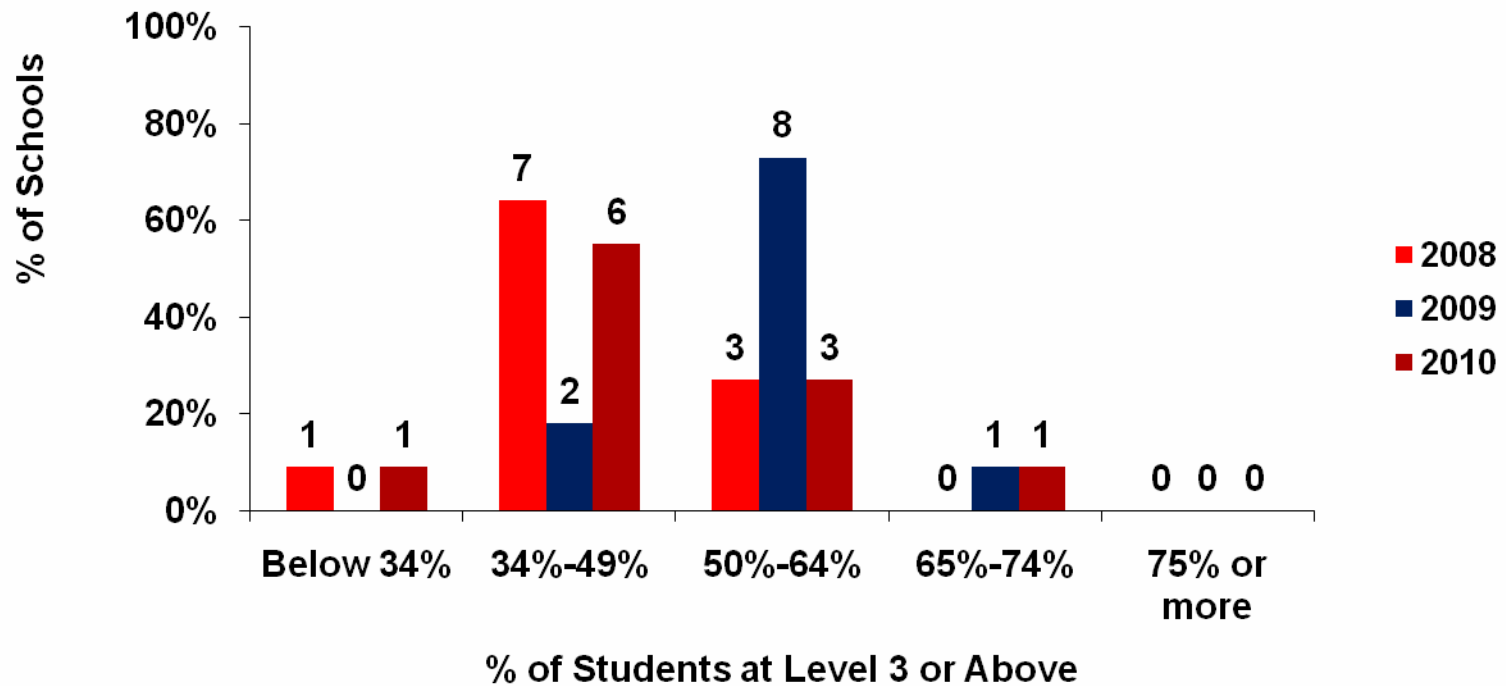
Percentage of Students with Special Needs
(excluding gifted) - Applied Program
Board Results



Distribution of School Results Over Time

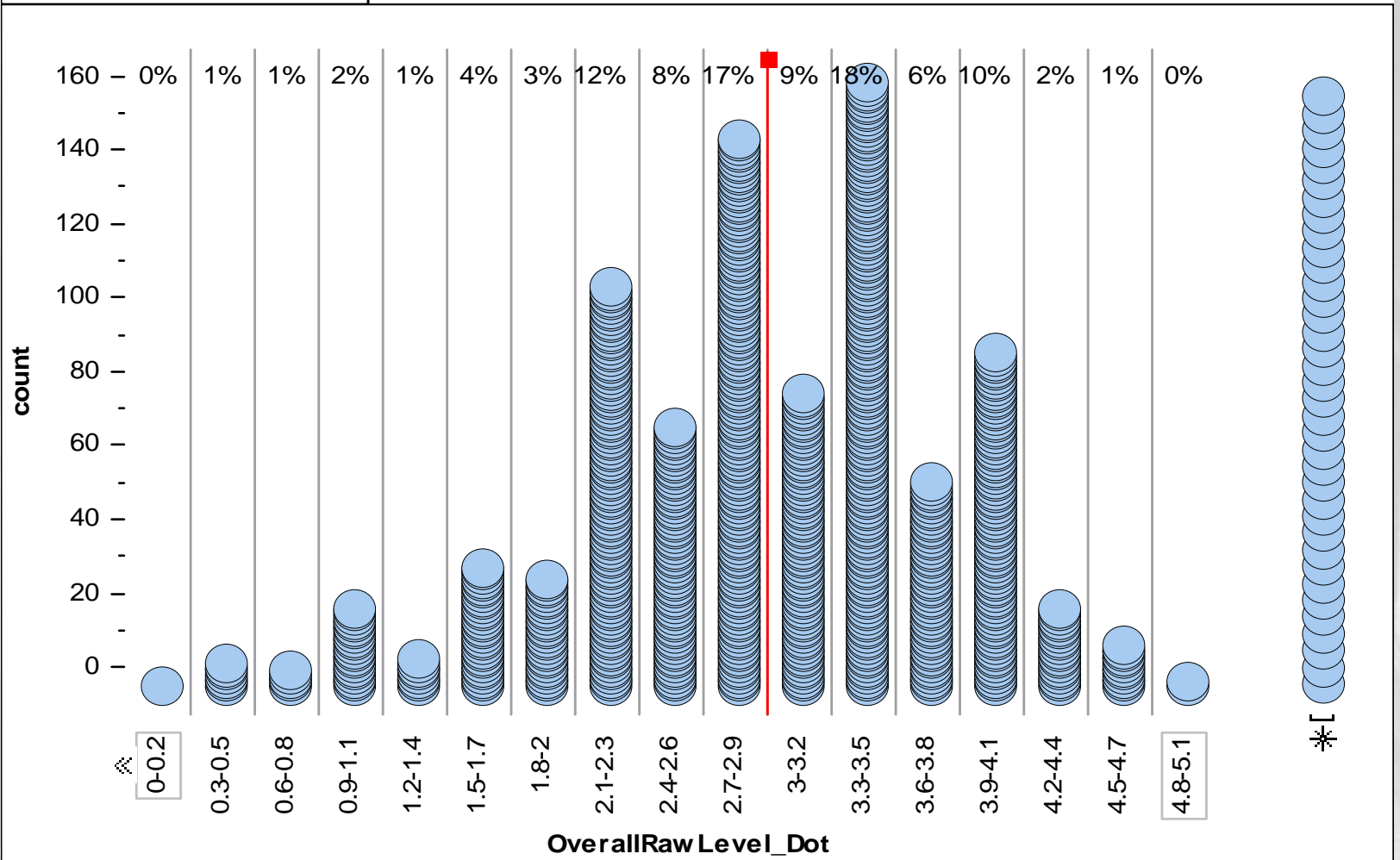
Applied

Percentage and Number of Schools with Results in Specified Ranges - Applied Program



Individual Student Data - Applied

UGDSB EQAO Math ISD 2010

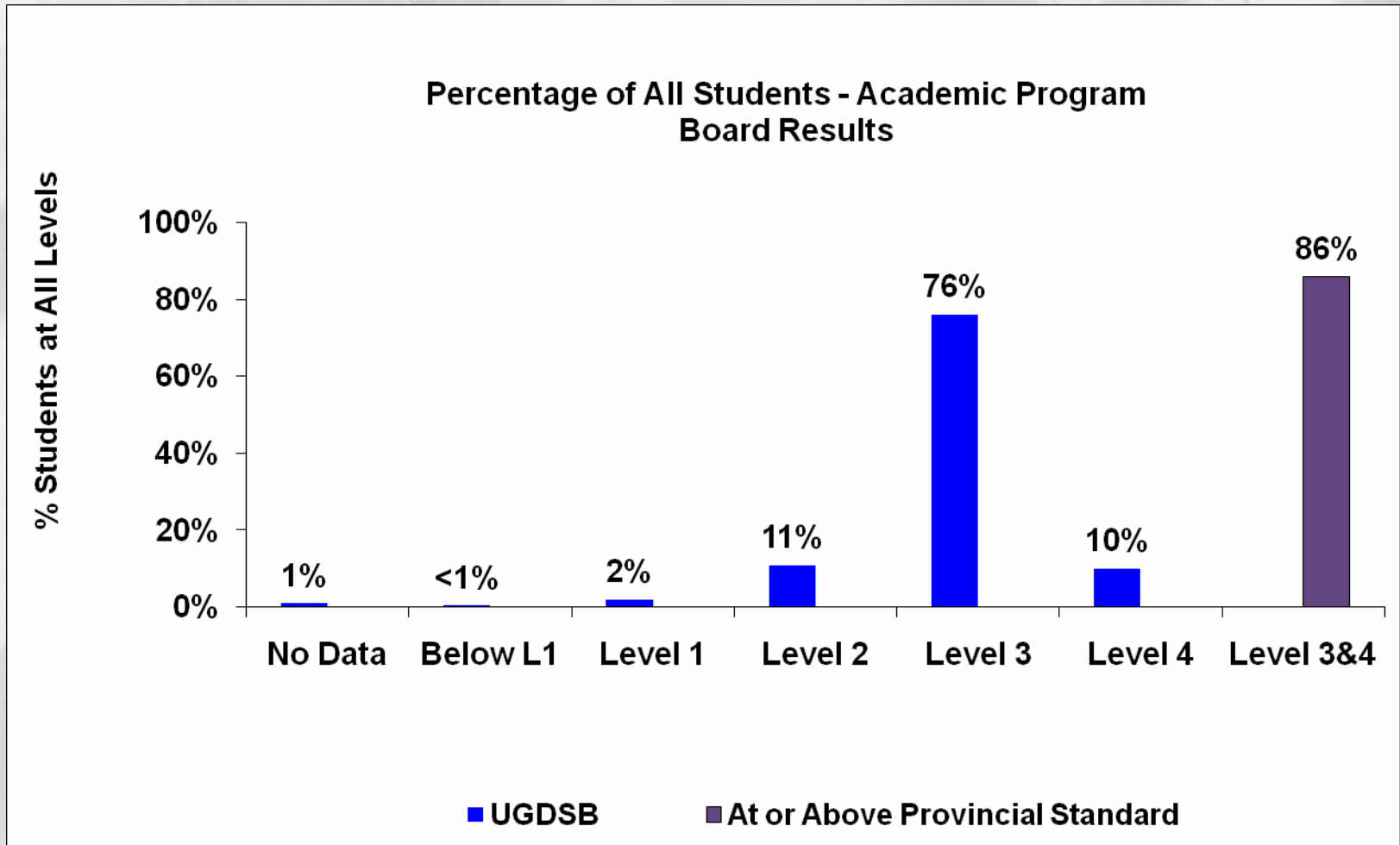


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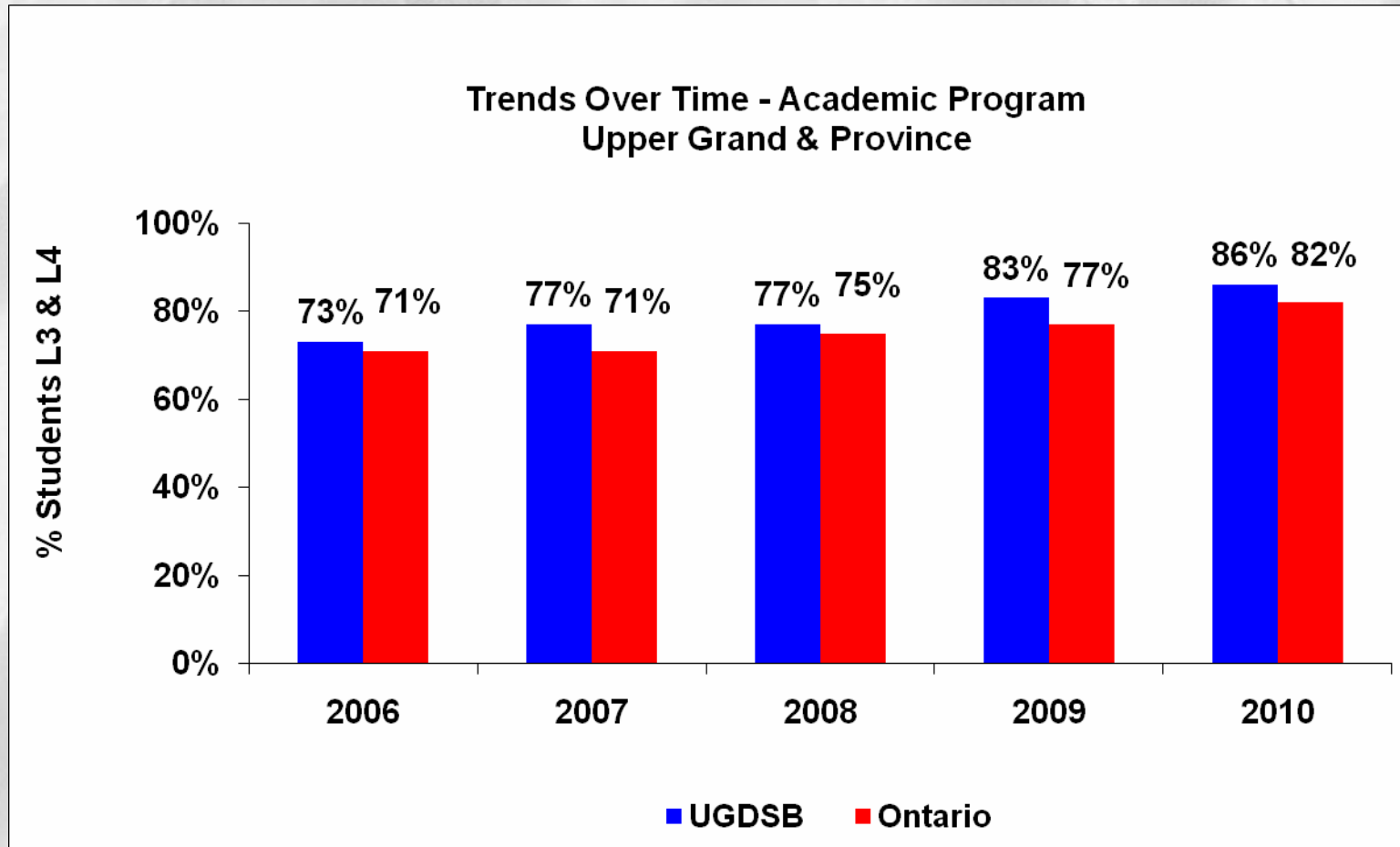
Results by Program of Study

Academic

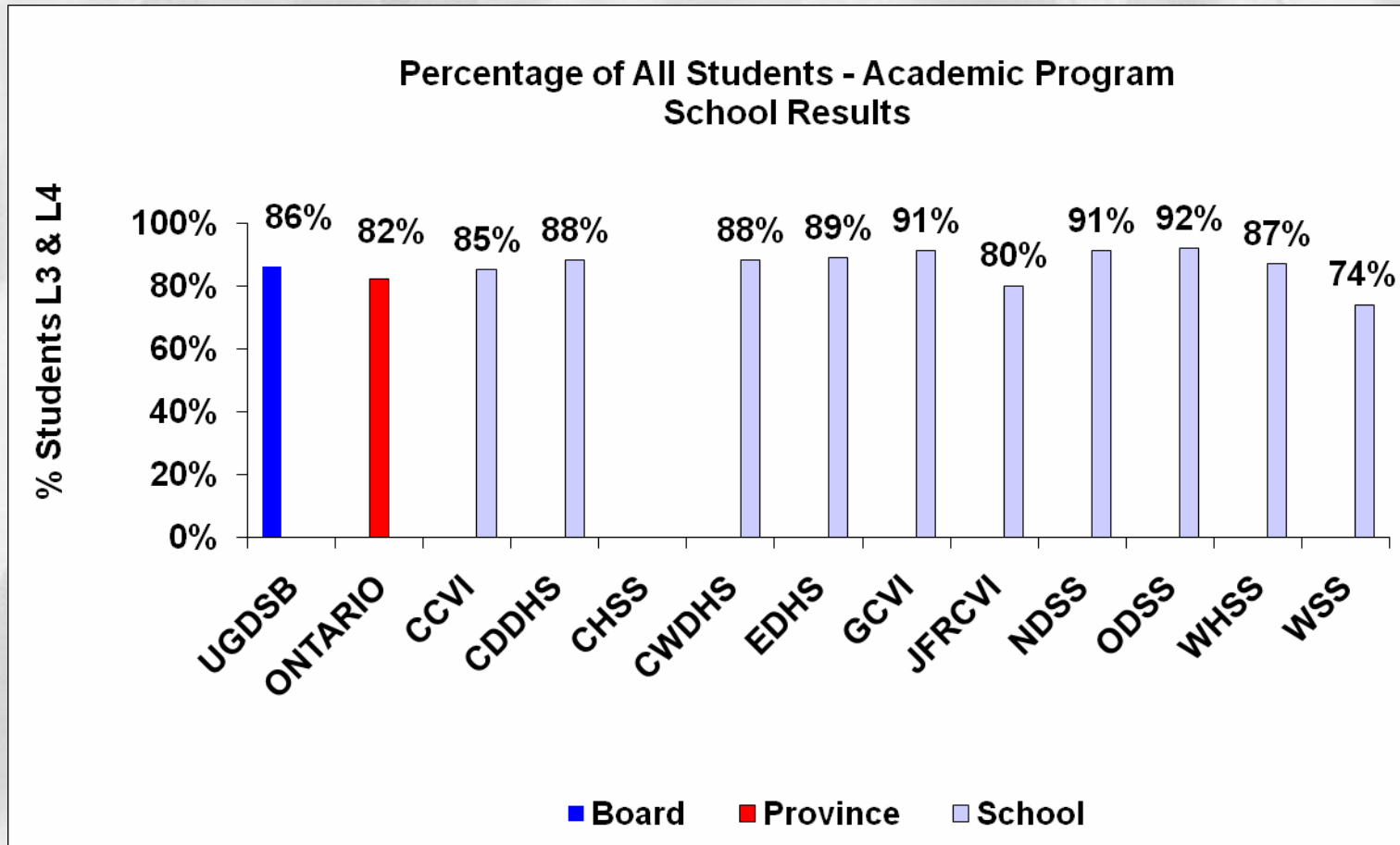
Results by Program of Study – Academic



Results Over Time – Academic

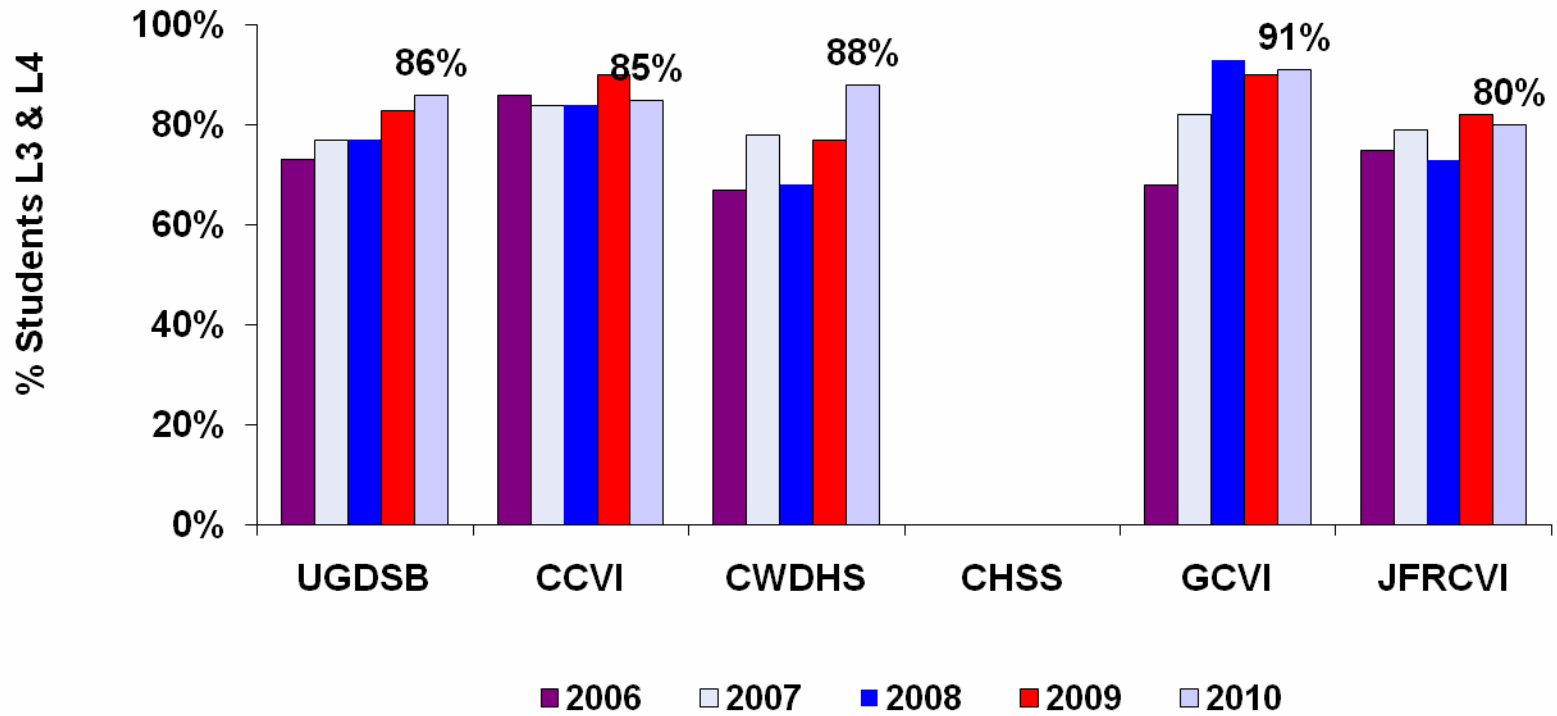


Results by School – Academic



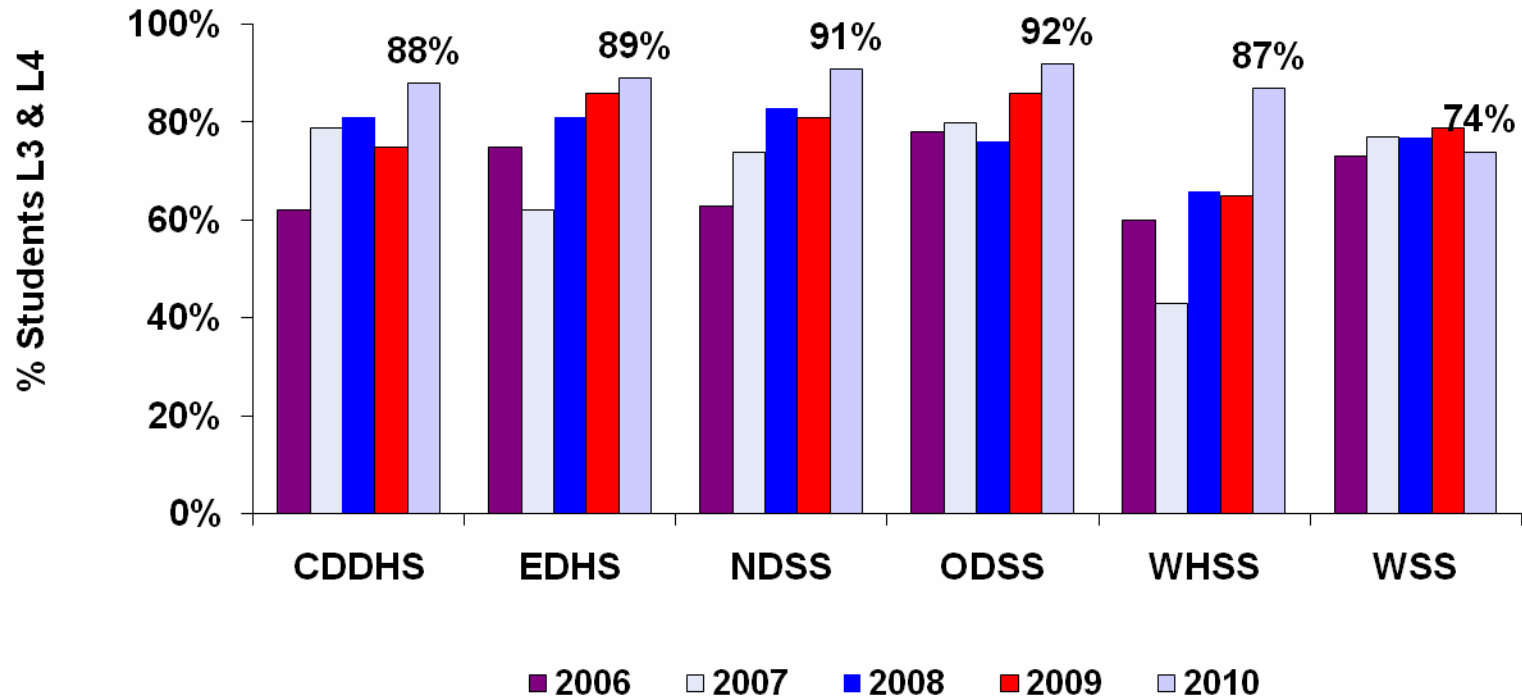
School Results Over Time – Academic

Percentage of All Students - Academic Program
School Results

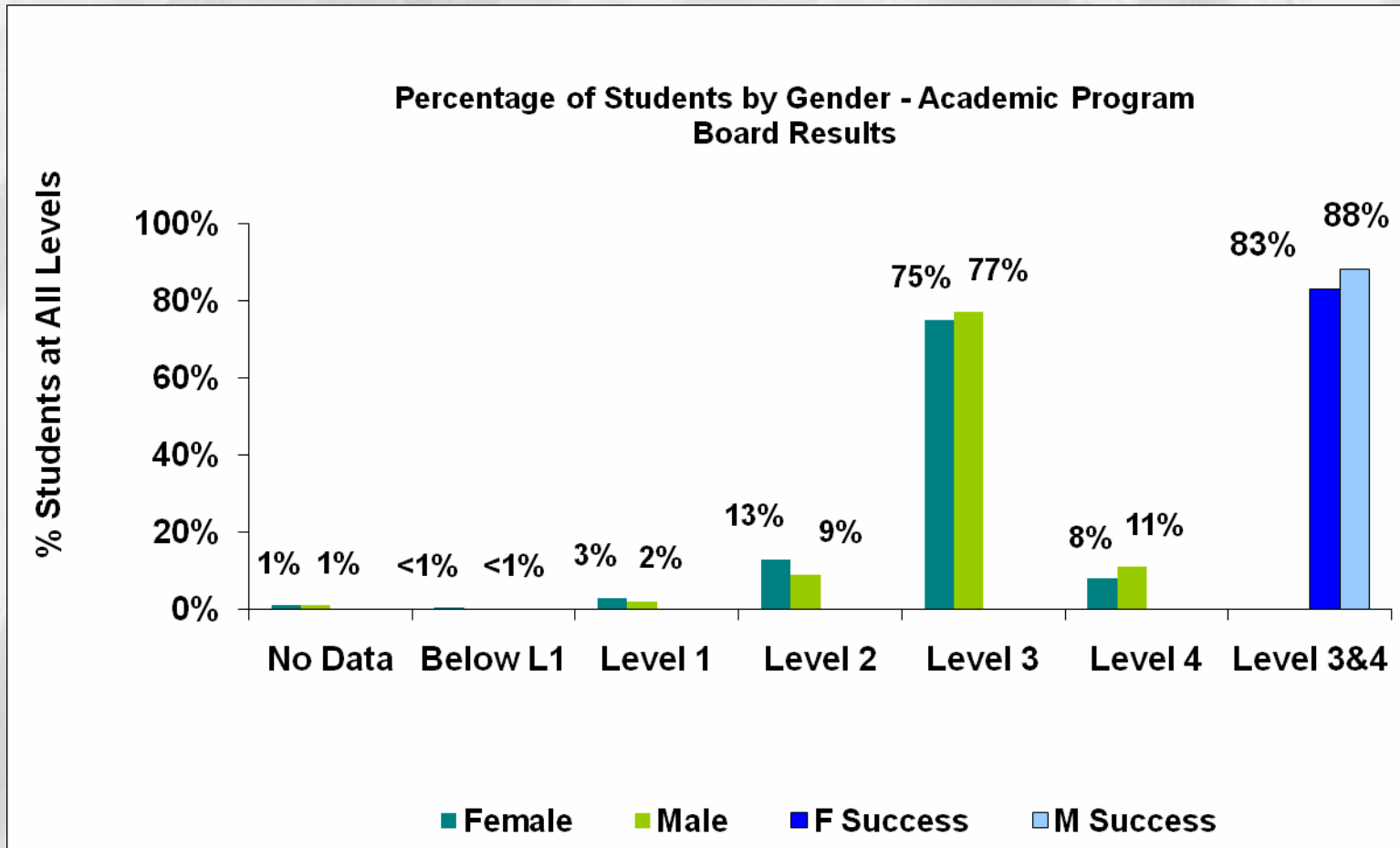


School Results Over Time – Academic

Percentage of All Students - Academic Program
School Results

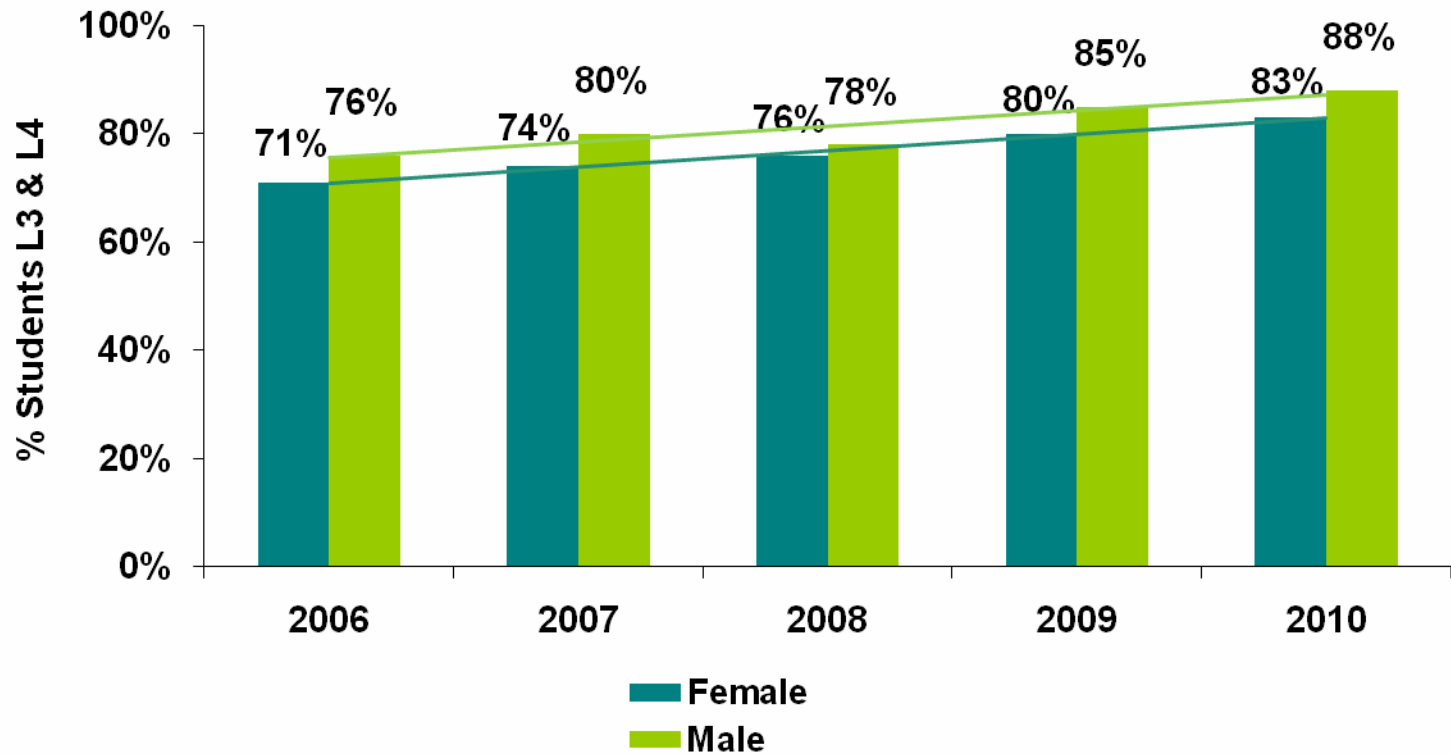


Results by Gender – Academic

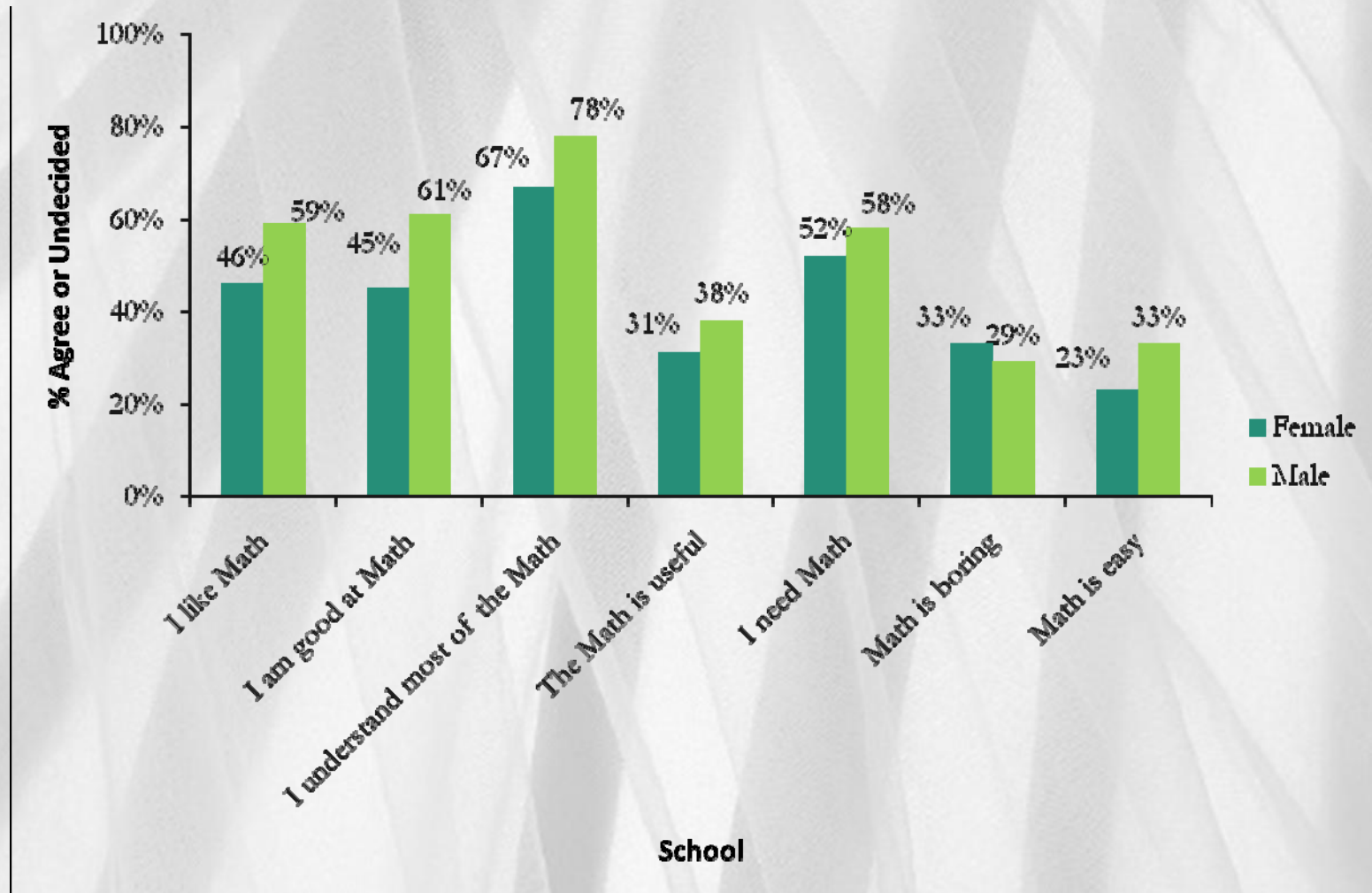


Gender Results Over Time – Academic

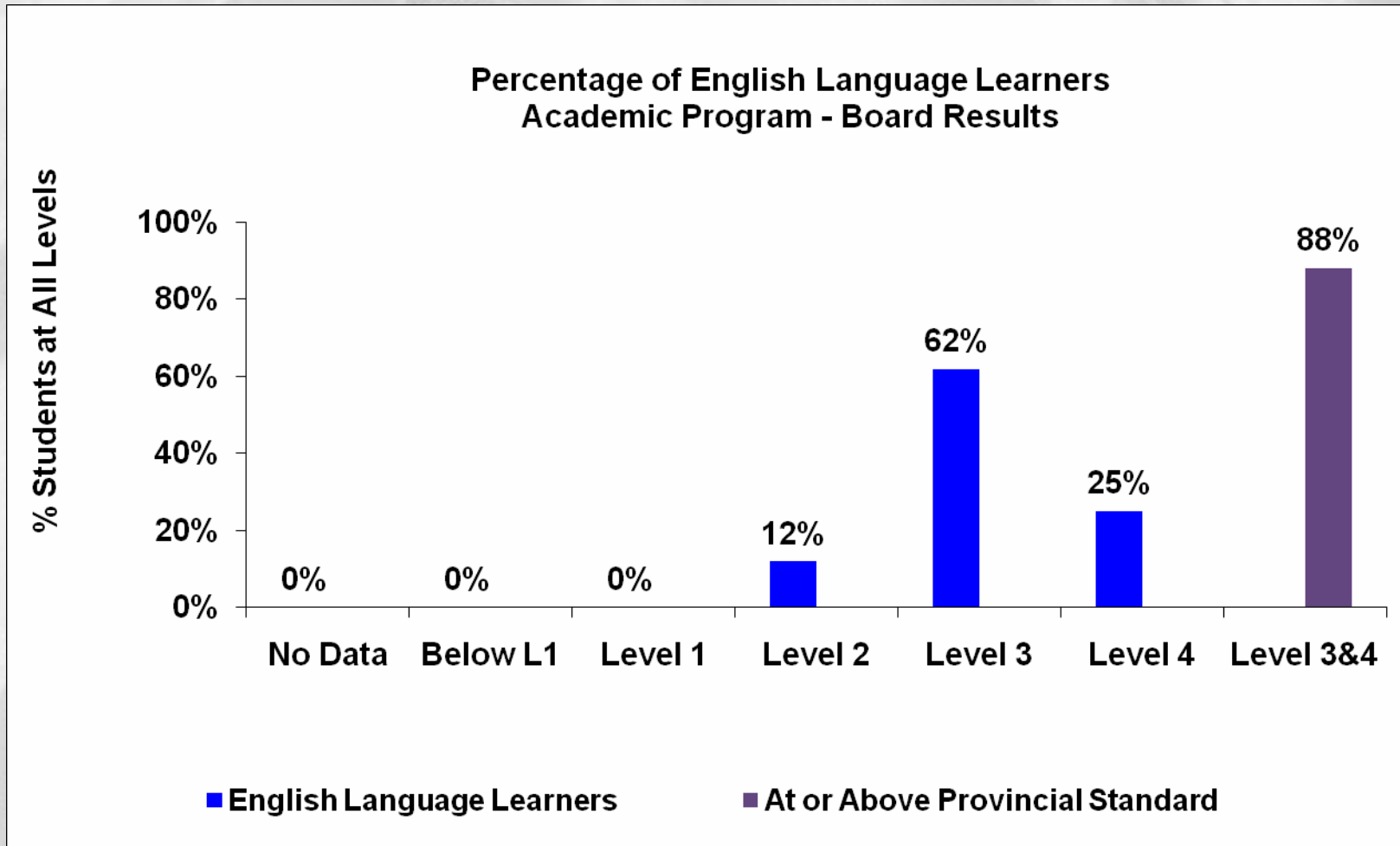
Percentage of Students by Gender - Academic Program Board Results



Gender Profile Student Questionnaire – Academic



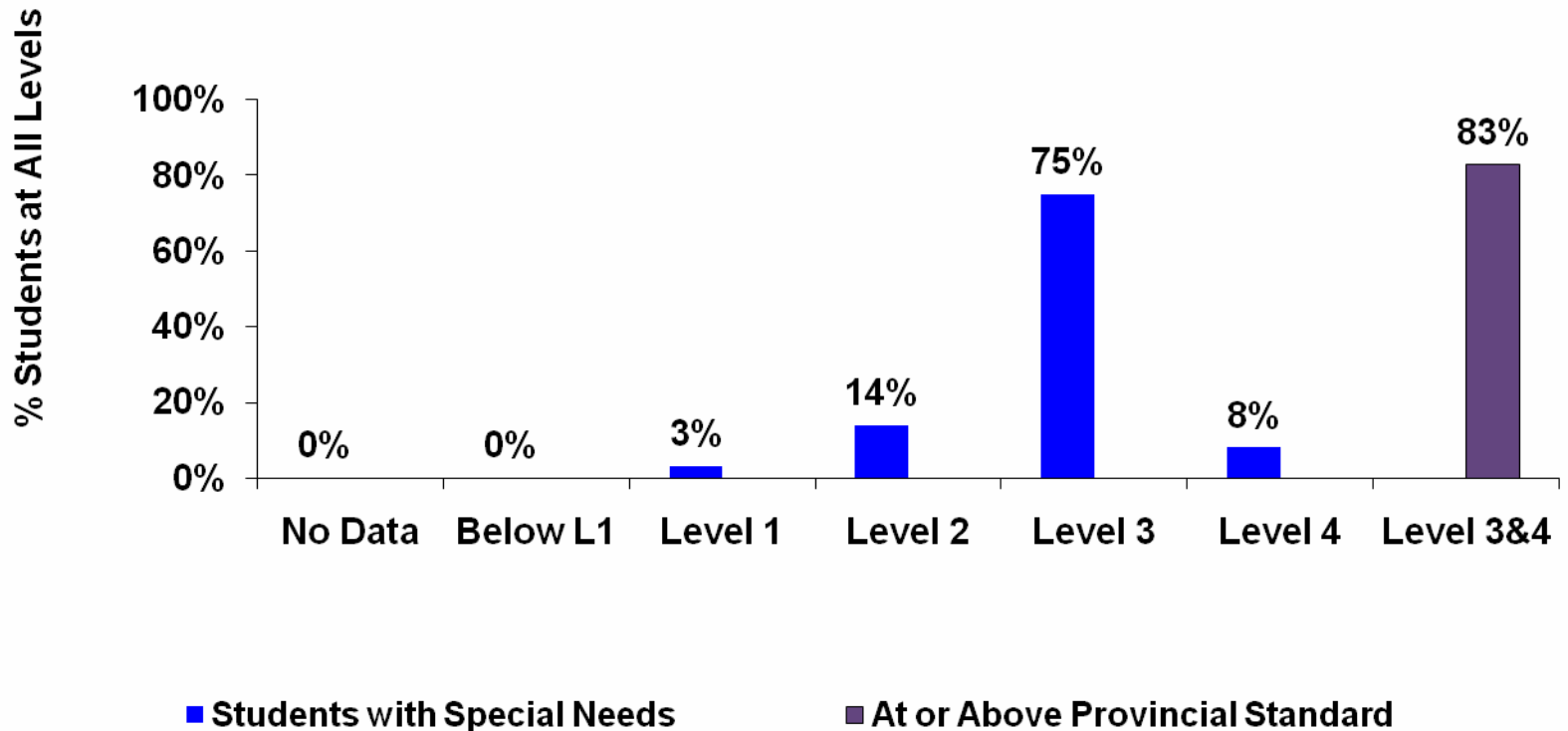
English Language Learners Results – Academic



Special Needs Results – Academic

(Excluding Gifted)

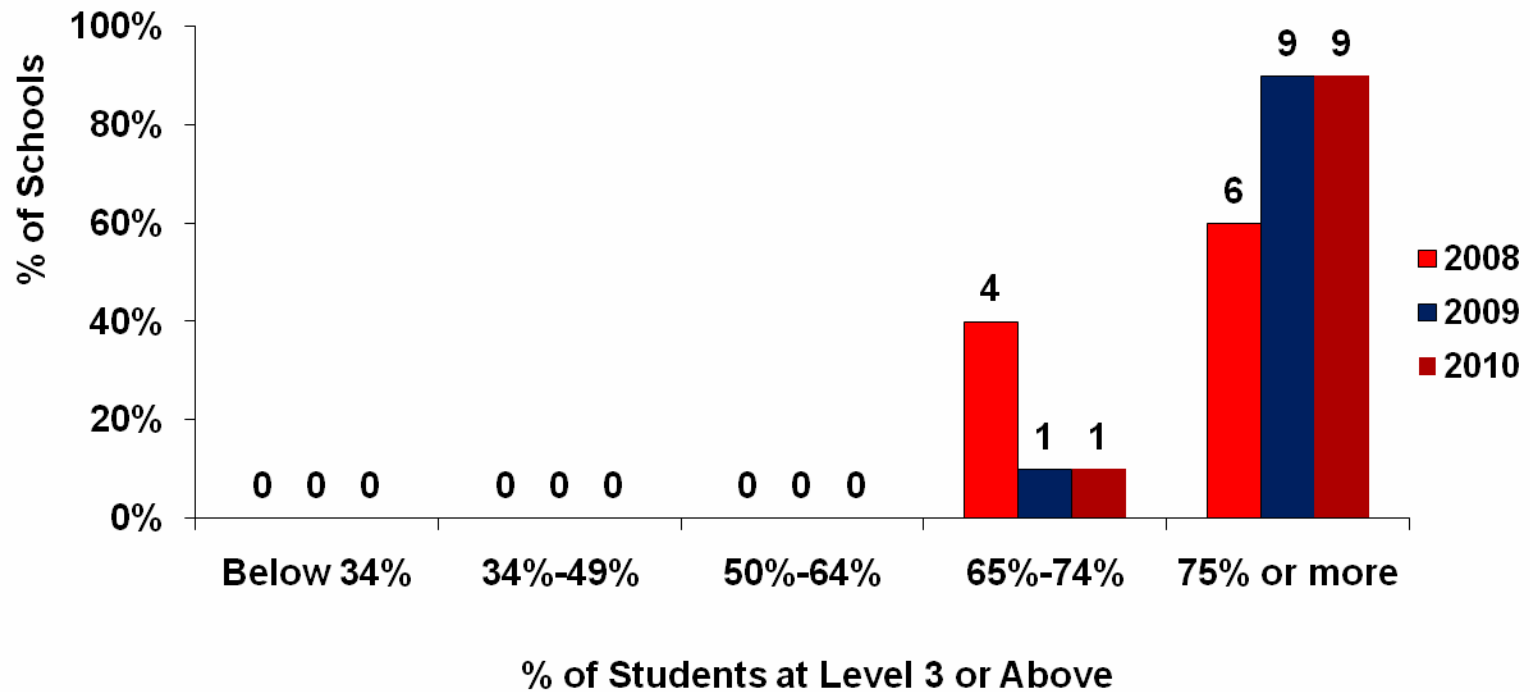
Percentage of Students with Special Needs
(excluding gifted) - Academic Program
Board Results



Distribution of School Results Over Time

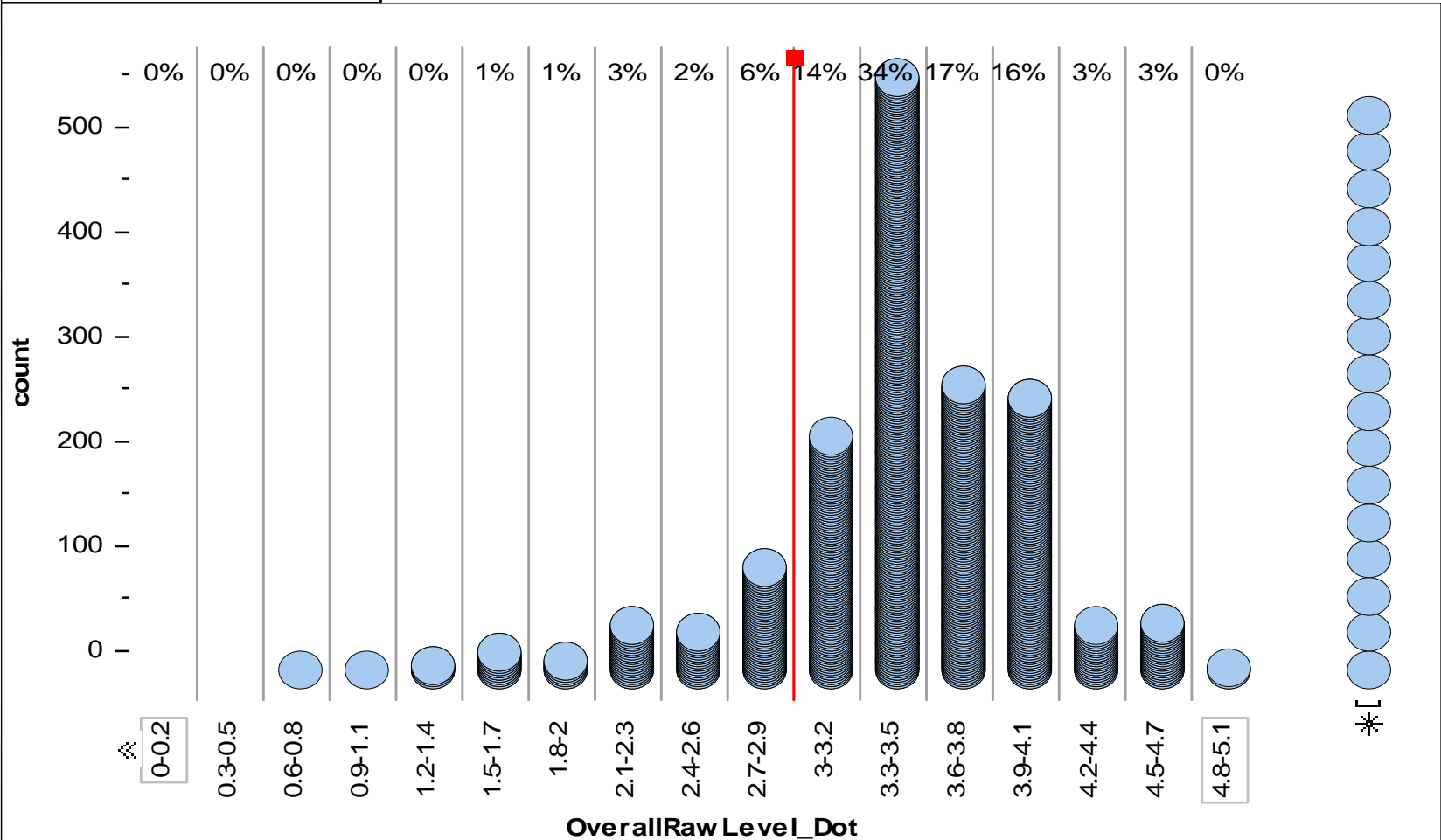
Academic

Percentage and Number of Schools with Results in Specified Ranges
- Academic Program



Individual Student Data - Academic

UGDSB EQAO Math ISD 2010



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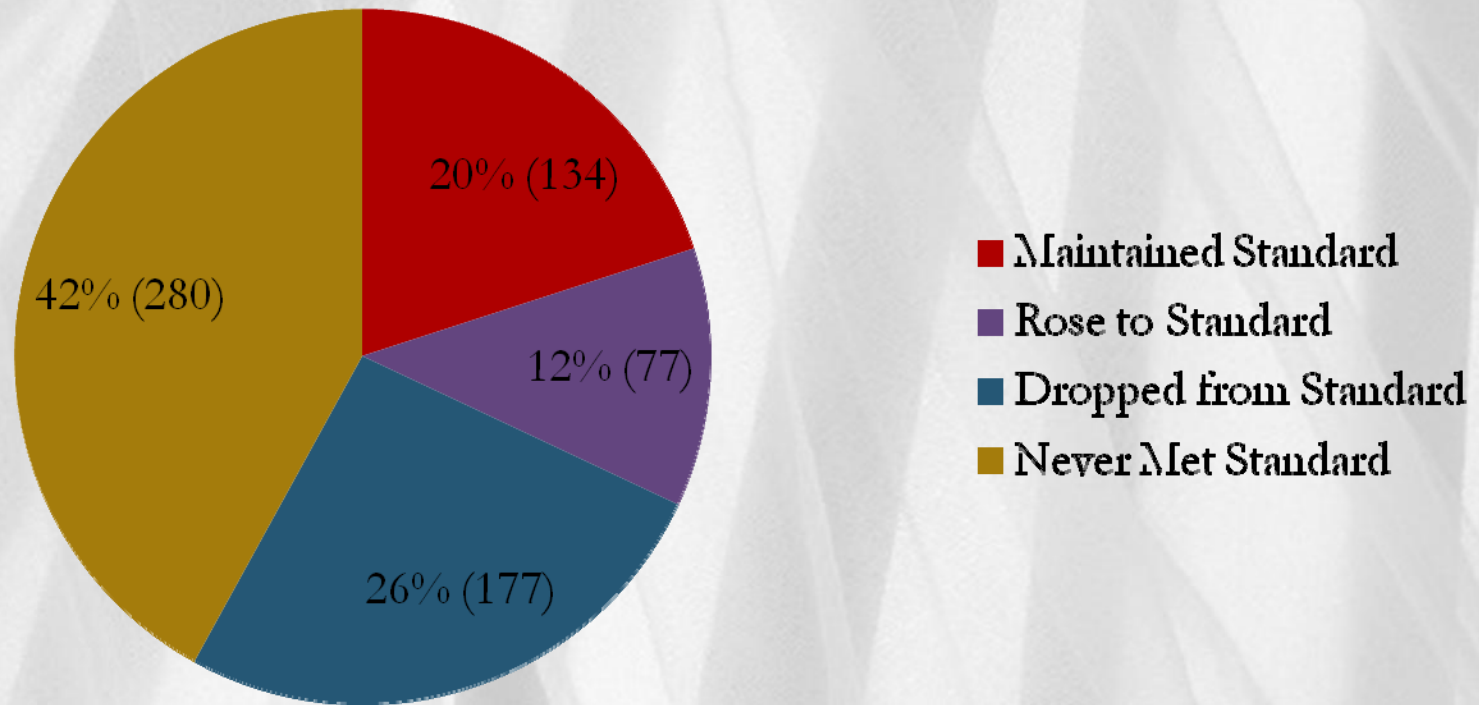
Program = 2

Intermediate Cohort Analysis

EQAO 2009-2010

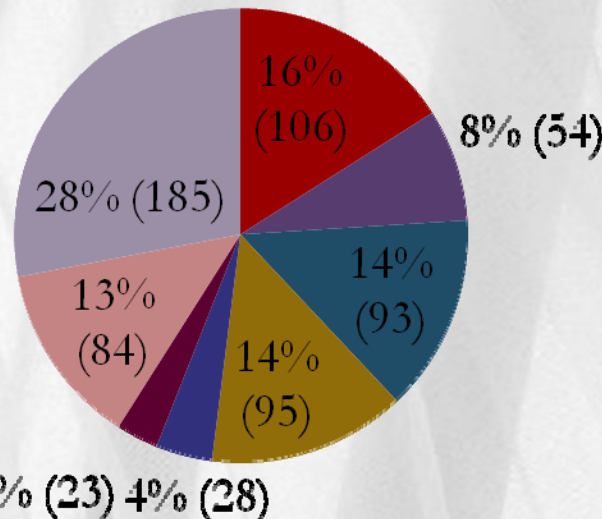
Mathematics: Applied Level Grade 9 Cohort 2009-2010

% Students Achievement from Primary to Junior



Mathematics: Applied Level Intermediate Cohort 2009-2010

% Students Achievement from Primary to Junior to Intermediate



■ S G3 Maintained Standard G6-9

■ NS G3 Maintained Standard G6-9

■ S G3 Rose to Standard G6-9

■ NS G3 Rose to Standard G6-9

■ S G3 Dropped from Standard G6-9

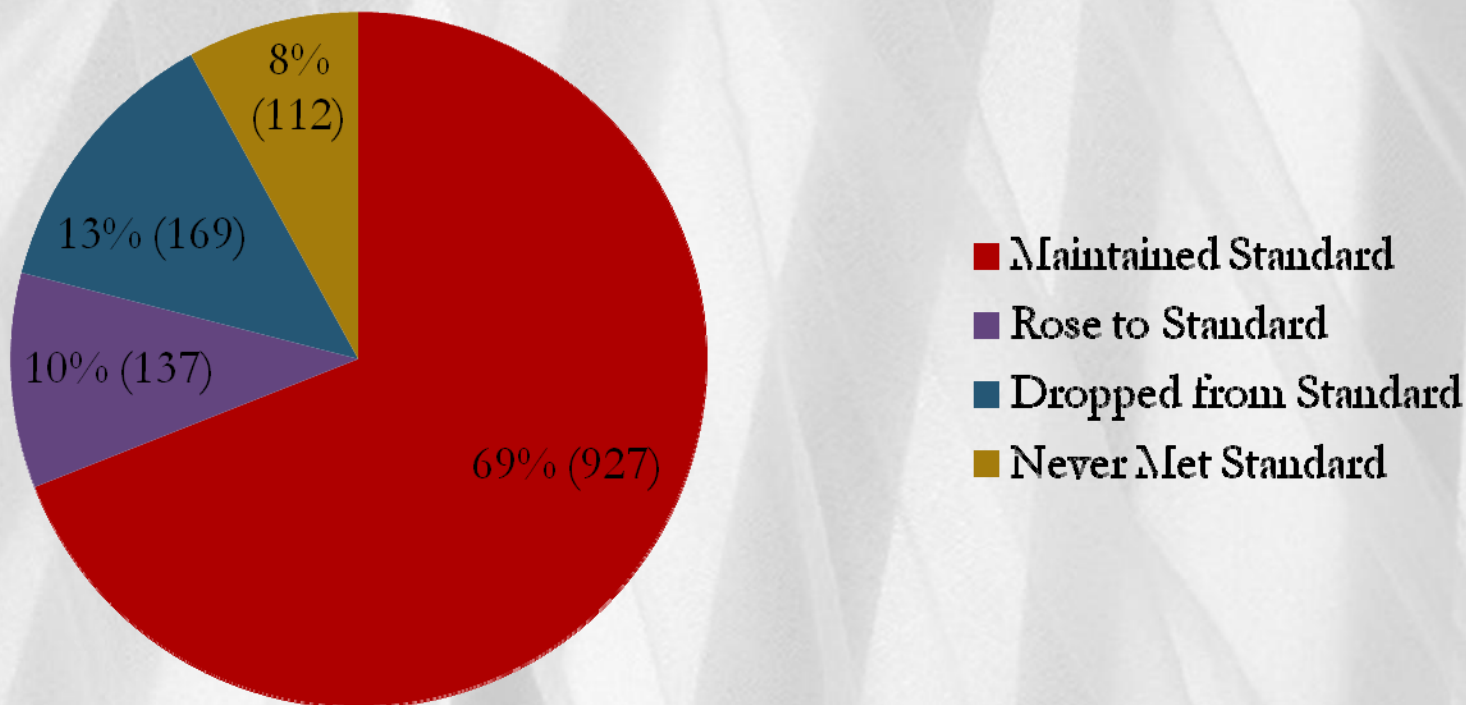
■ NS G3 Dropped from Standard G6-9

■ S G3 Never Met Standard G6-9

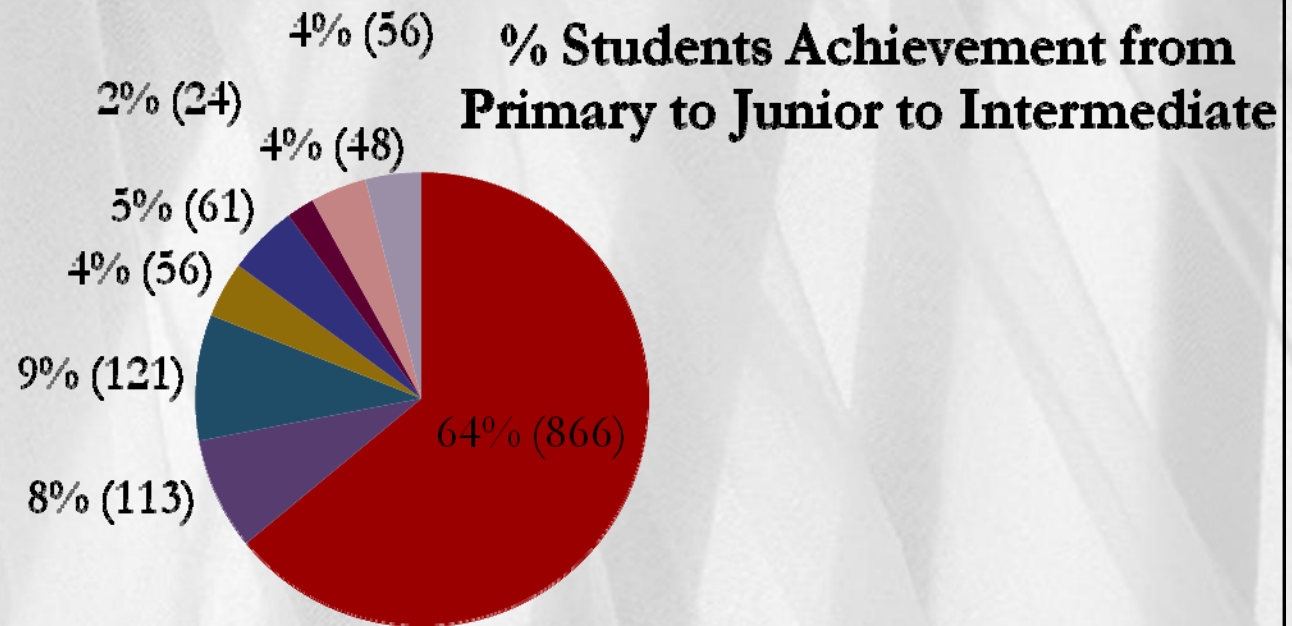
■ NS G3 Never Met Standard G6-9

Mathematics: Academic Level Grade 9 Cohort 2009-2010

% Students Achievement from Primary to Junior



Mathematics: Academic Level Intermediate Cohort 2009-2010



■ S G3 Maintained Standard G6-9

■ S G3 Rose to Standard G6-9

■ S G3 Dropped from Standard G6-9

■ S G3 Never Met Standard G6-9

■ NS G3 Maintained Standard G6-9

■ NS G3 Rose to Standard G6-9

■ NS G3 Dropped from Standard G6-9

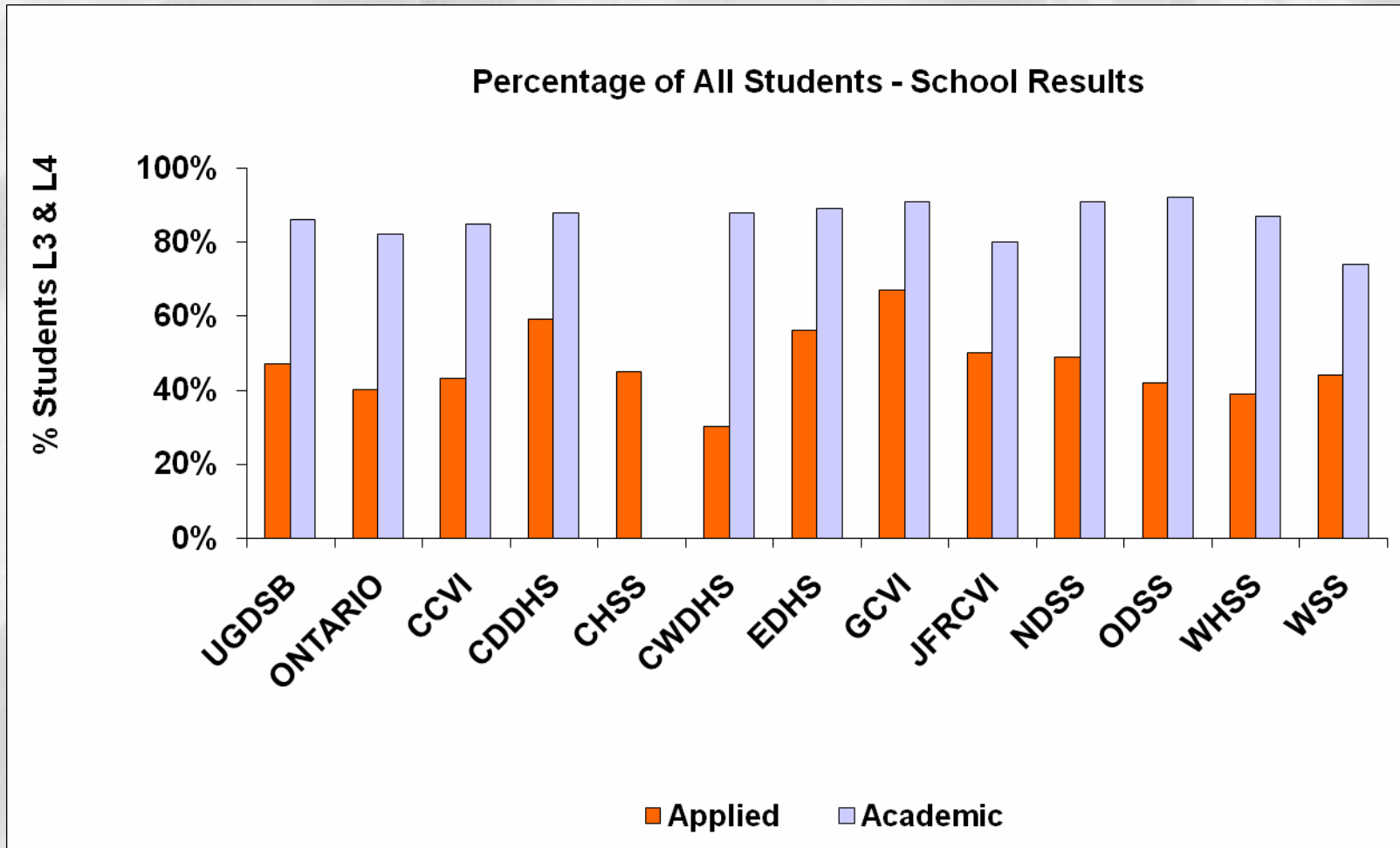
■ NS G3 Never Met Standard G6-9

Approaching Provincial Standard & Above

Percentage of students scoring at least Level 2:

	2006	2007	2008	2009	2010
Applied	80%	80%	81%	83%	84%
Academic	91%	93%	93%	95%	97%

Raising the Bar & Closing the Gap – Applied & Academic



Steps to Success

- ❖ Leading Student Achievement (LSA) project at CDDHS and JFRCVI focused on the Teaching-Learning Critical Pathway (TLCP) process for improving instructional practice in mathematics
- ❖ Targeted Implementation and Planning Supports (TIPS) student math binders used at CCVI, CWDHS, CDDHS, GCVI, JFRCVI and ODSS
- ❖ Professional Networked Communities (PNC) of Teachers focused on data analysis and the TLCP process, TIPS 3-part lesson writing, and open questions for Minds On and Consolidation parts of lesson

New Initiatives

- ❖ Continue to forge links between teachers of secondary schools and feeder elementary schools through data sharing and new Math Coaching Projects that will focus on the TLCP process
- ❖ Continue to encourage and support the use of TIPS student binders (grades 9-10) with summer writing project and expansion of program to 9 secondary schools
- ❖ Implement the Growing Success document through new Student Success Math initiative that will use Interactive Whiteboards and Student Response technology to create a comfort level with assessments for students (grades 8-10)

Next Steps

- ❖ Math Coaching: Share data analysis and the TLCP process with teachers of secondary and elementary schools

ODSS, GCVI

- ❖ Use TIPS books as a primary resource for students

CCVI, CWDHS, CDDHS, GCVI, JFRCVI, NDSS, ODSS, WHSS and WSS

Next Steps

- ❖ Student Success: lesson study and job-embedded practice
 - ◆ Workshop session given by Edcom Multimedia on level 1/2 SMART Notebook Math Tools and Response software
 - ◆ Webinar session given by SMART Technologies on Effective Digital Content Creation
 - ◆ Workshop session given by Dr. Marian Small on Good Questions
 - ◆ Professional Networked Communities co-planning 'assessment for learning' instruments and creating environments that give students comfort with assessment practices

All secondary schools, each with two feeder elementary schools, will be invited to participate