

# Provincial Assessment Program Overview of Results 2018-19

## Anglophone Sector

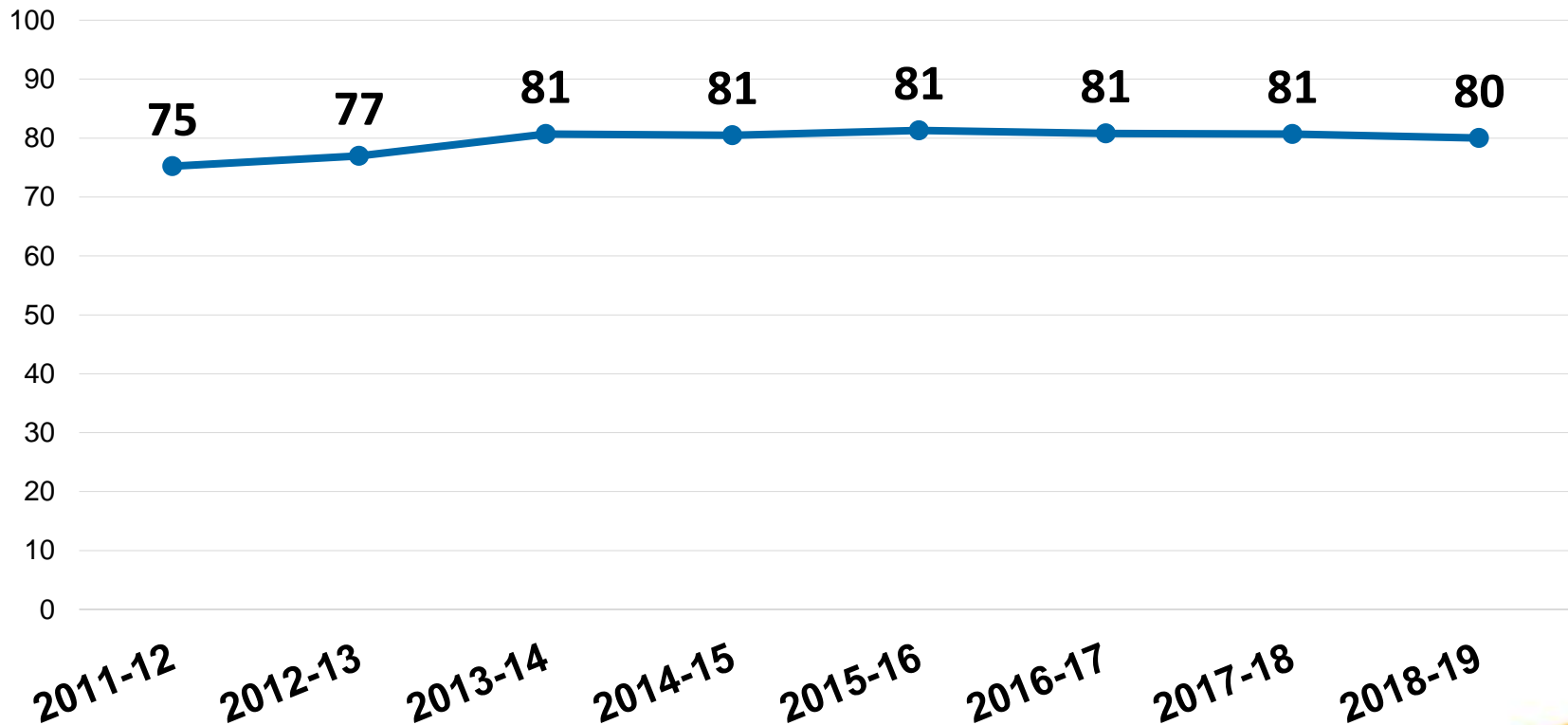
*Assessment, Analysis & Design Services Branch, November 6, 2019*

# EYE-DA assesses five developmental areas associated with readiness to learn at school:

Developmental Area	Examples of child's ability in each developmental area:
<b>Awareness of Self &amp; Environment</b>	<ul style="list-style-type: none"> <li>notice, think and talk about their world (e.g., identify: opposites, characteristics of common animals, colours, ...)</li> <li>understand and use home and community experiences (e.g., A police officer keeps you safe)</li> </ul>
<b>Cognitive Skills</b>	<ul style="list-style-type: none"> <li>name letters and sounds</li> <li>recognize rhyme</li> <li>name numbers and count sets of objects</li> <li>recognize same and different</li> </ul>
<b>Language and Communication</b>	<ul style="list-style-type: none"> <li>listen and understand instructions, discussions, and stories</li> <li>use full sentences (i.e., five to seven words) to explain their ideas</li> <li>talk so people can easily understand</li> </ul>
<b>Fine Motor Skills</b>	<ul style="list-style-type: none"> <li>use crayons and pencils, cut, and handle small objects (e.g., sort and rearrange pebbles)</li> </ul>
<b>Gross Motor Skills</b>	<ul style="list-style-type: none"> <li>balance, hop on one foot, and jump</li> </ul>

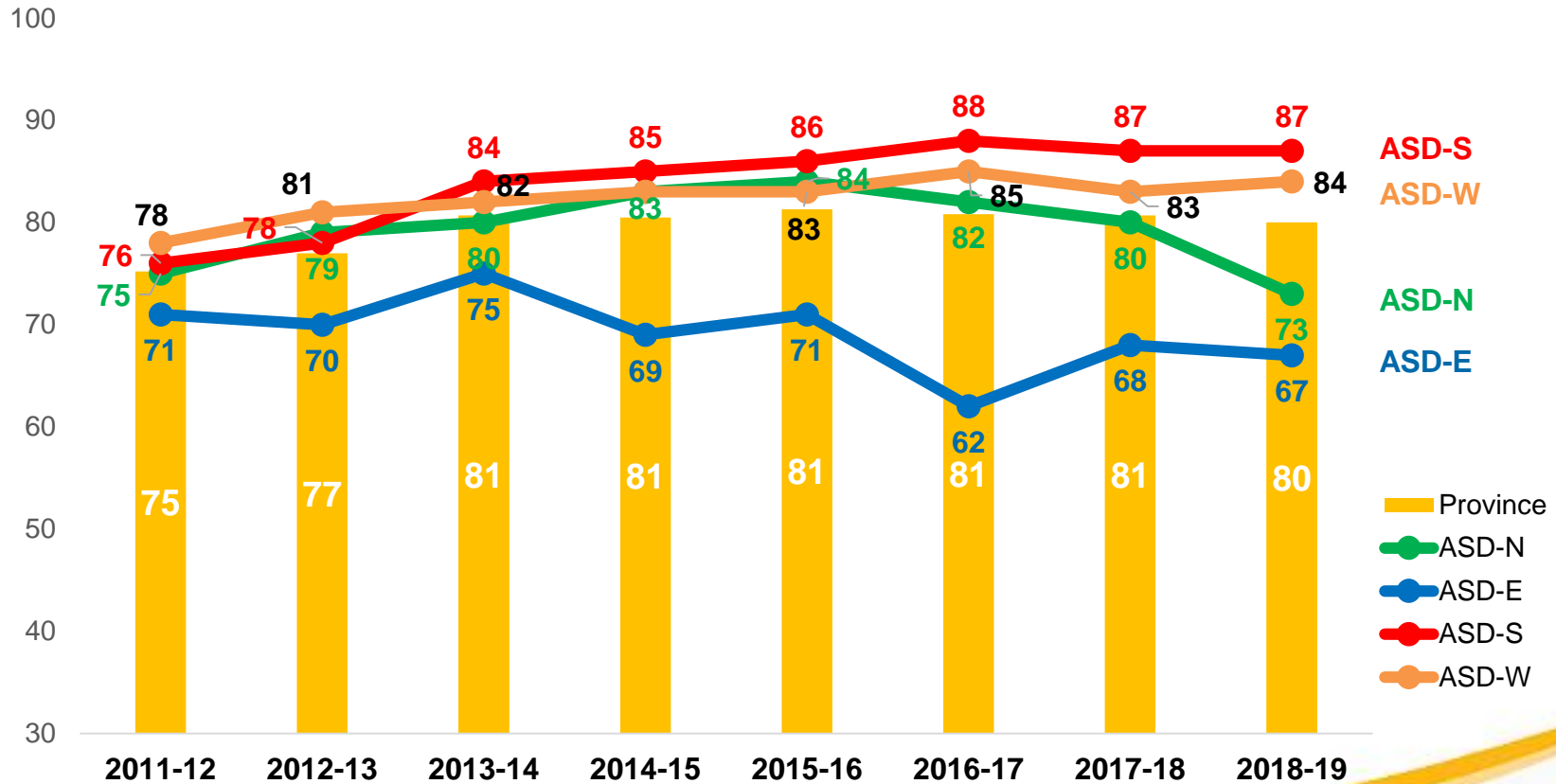
# EYE-DA Over Time: Language & Communication Domain

**% of Students at Appropriate Development**



# EYE-DA Over Time: District and Province

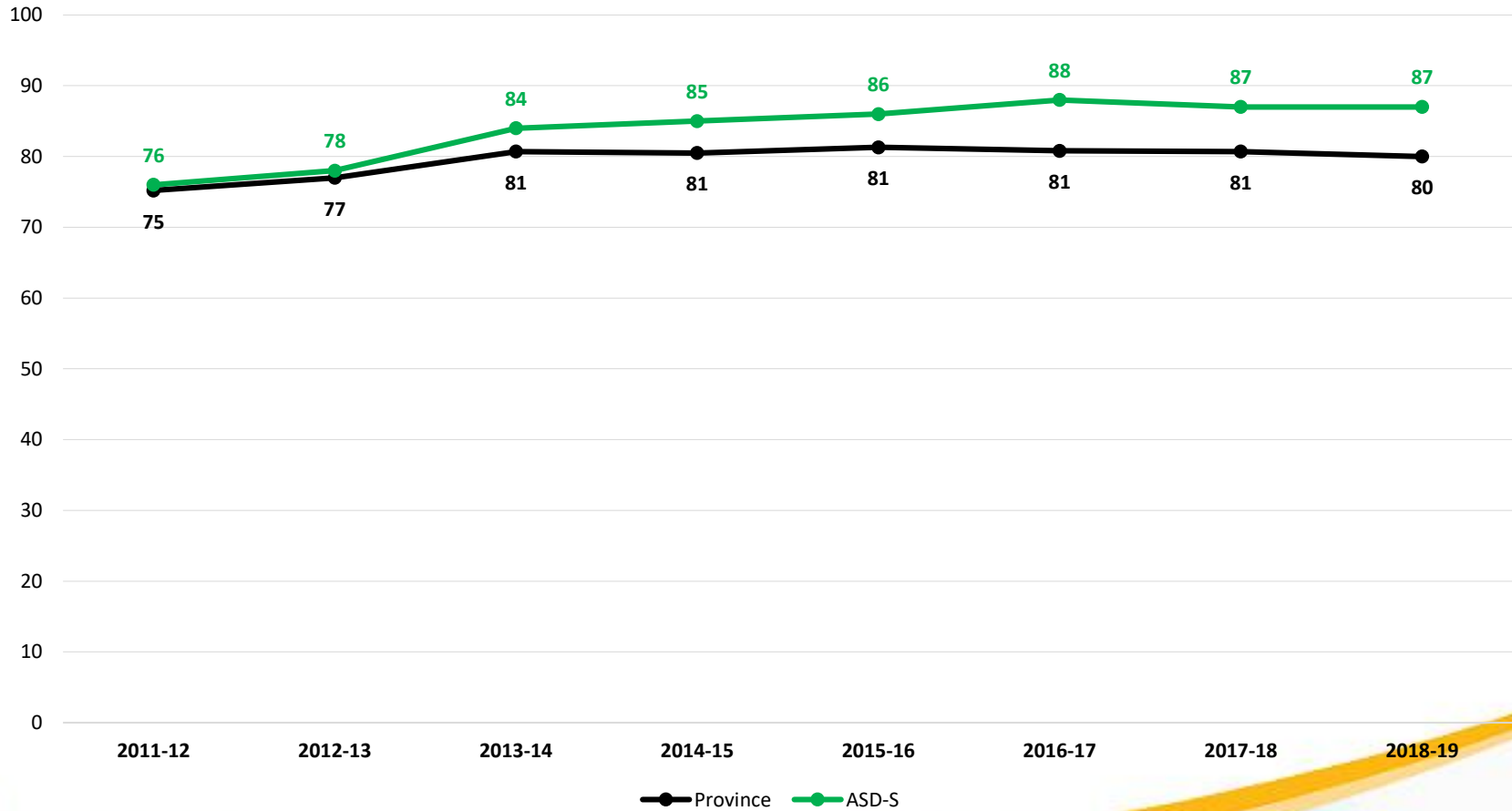
Language and Communication Domain:  
% Appropriate Development by District and Province





# EYE-DA Over Time in NB and ASD-S

Percentage Appropriate Development of ASD-S and Province



# English Reading Overview

	Success Rates	
	2017-2018	2018-2019
Grade 2	71%	-
Grade 4	-	<b>67.2%</b>
Grade 4 PIRLS	NB Anglophone on par with <b>Canada</b> 535 - 543	
Grade 6	61.1%	<b>71.7%</b>
Grade 8 PCAP	NB tied for 7 <sup>th</sup> (last) place with SK, NF, MB	
Grade 9 ELPA	80.6%	<b>73.6%</b>
PISA (15 year-olds)	NB Ranking 7 <sup>th</sup> (Anglophone is higher)	

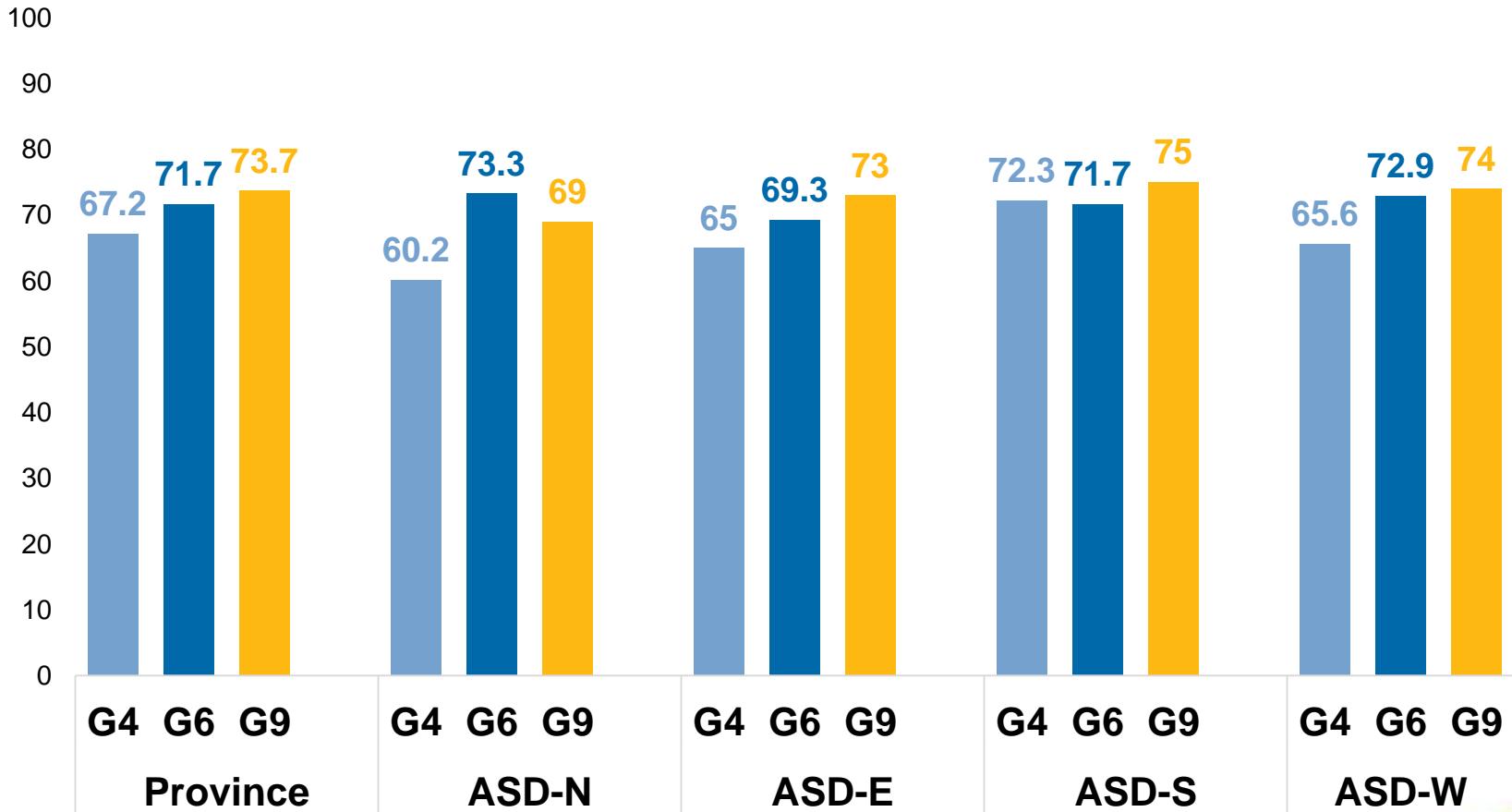
PIRLS 2016 = *Progress in International Reading Literacy Study*

PCAP 2016 = *Pan-Canadian Assessment Program*

PISA 2015 = *Program for International Student Assessment*

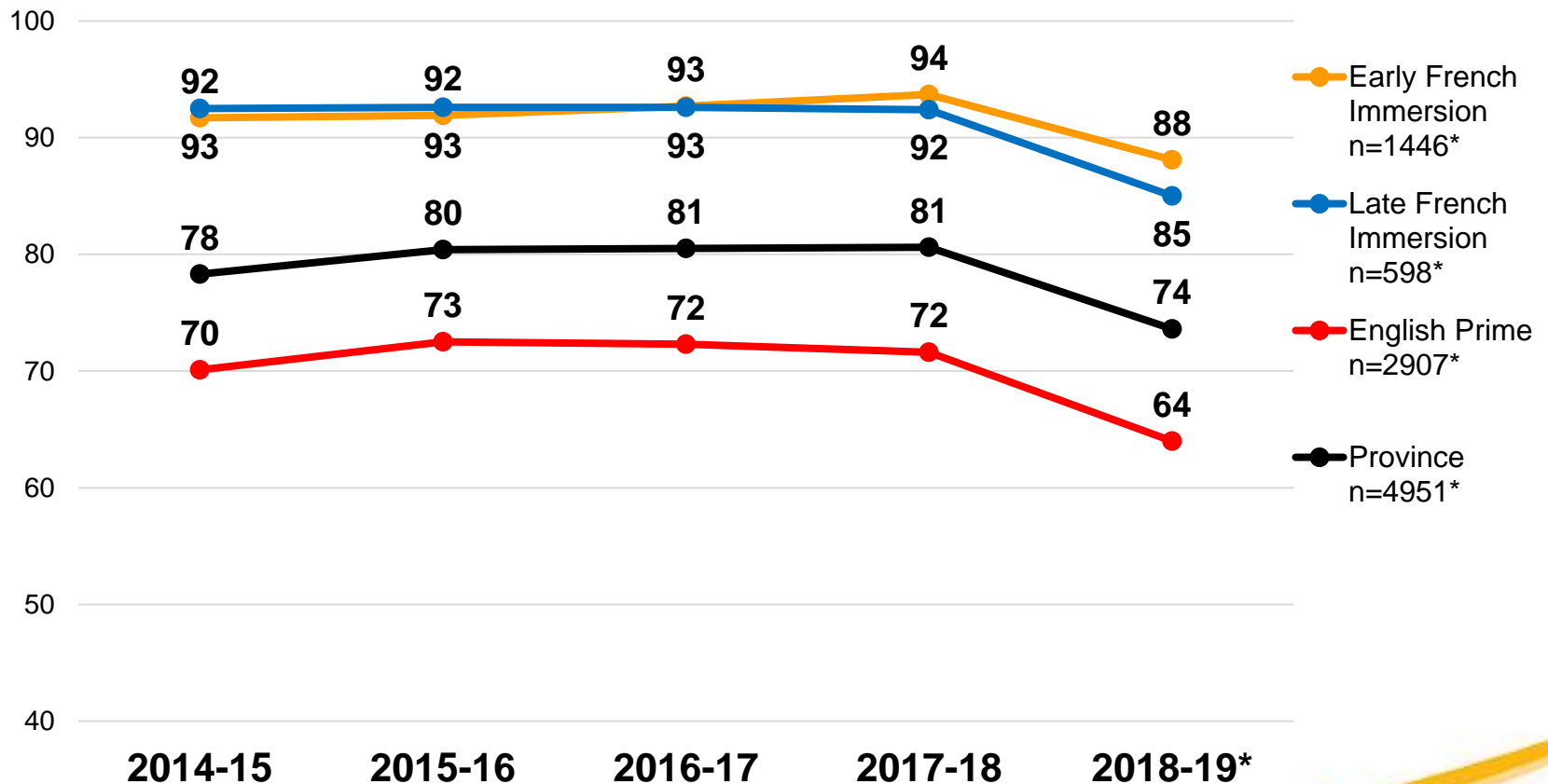
# Grade 4, 6 and 9: English Reading 2018-19

## % Successful by District and Grade level



# Grade 9 ELPA 2018-19

## % Successful Students by Program Over Time

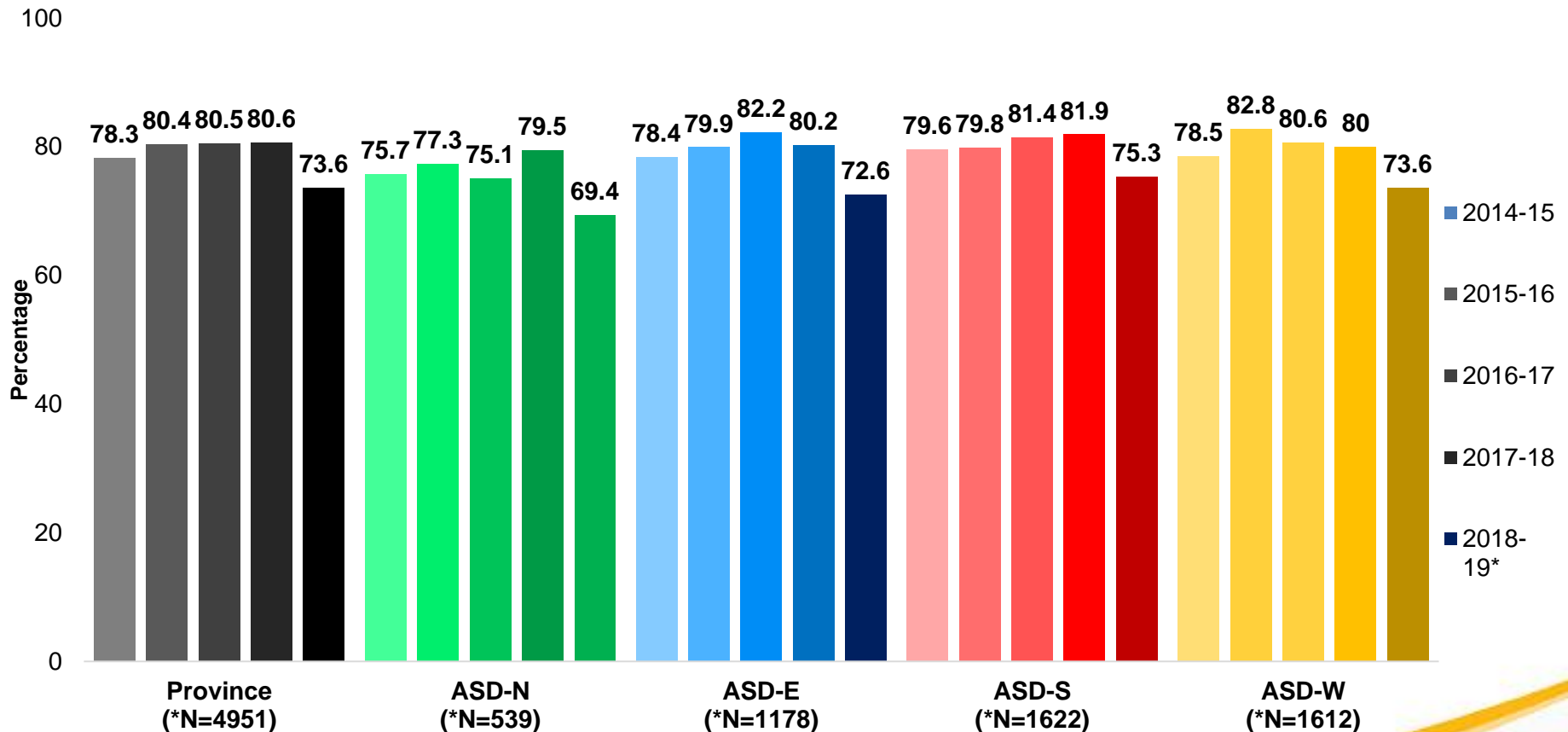


(n) refers to the number of students included in each district



# Grade 9 ELPA – 2018-2019

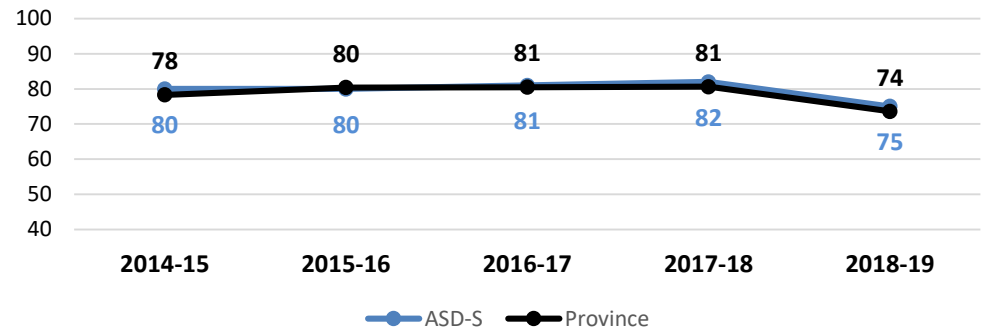
## % Successful Students by District Over Time



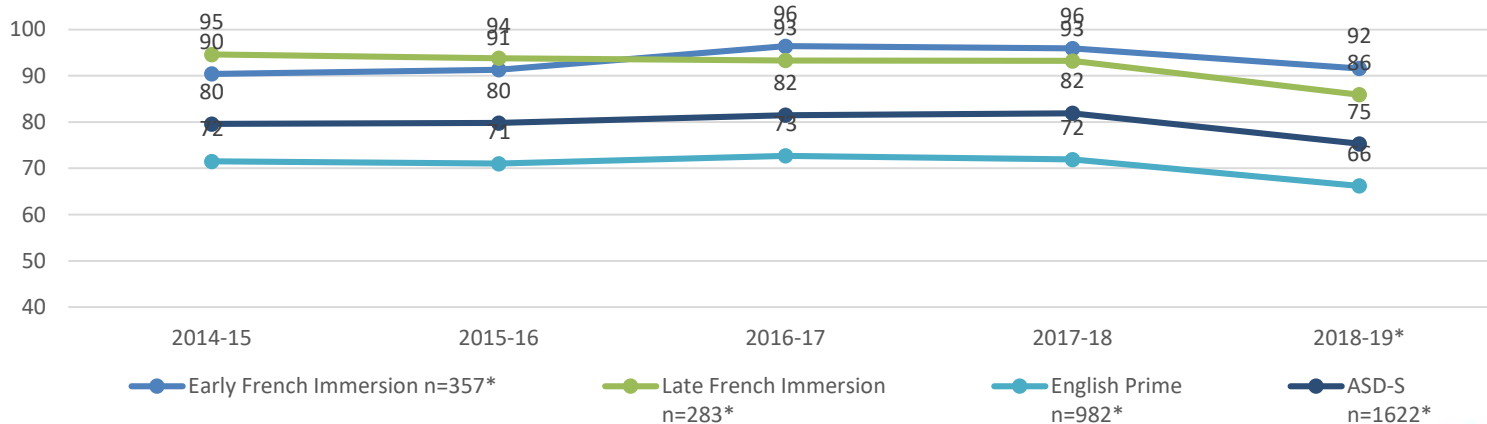
(n) refers to the number of students included in each district

# ELPA- ASD-S

## Percentage of Successful Students Over Time in ASD-S

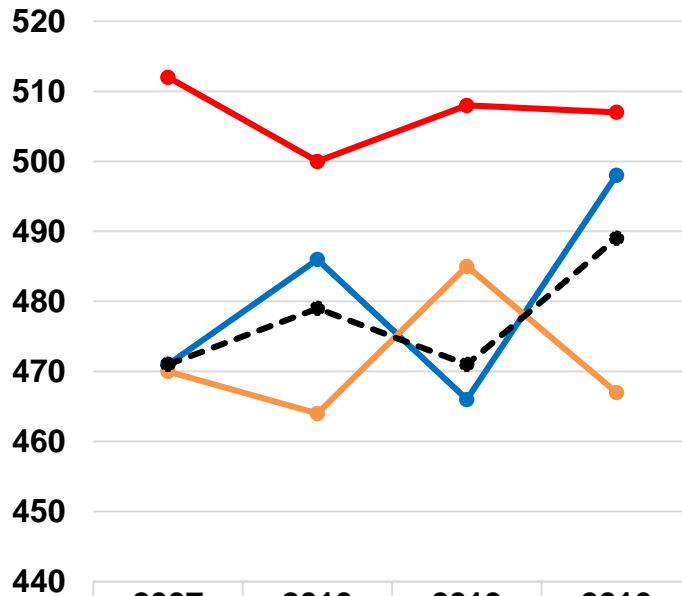


## ASD-S Percentage of Successful Students by Program



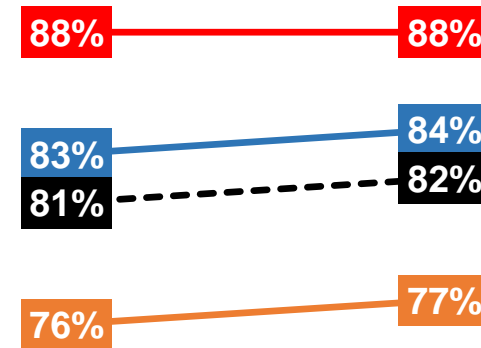
# Grade 8 PCAP Reading

## Reading Scores 2007-2016



	2007	2010	2013	2016
—●— Anglophone	471	486	466	498
—●— Francophone	470	464	485	467
-●- New Brunswick (combined)	471	479	471	489
—●— Canada	512	500	508	507

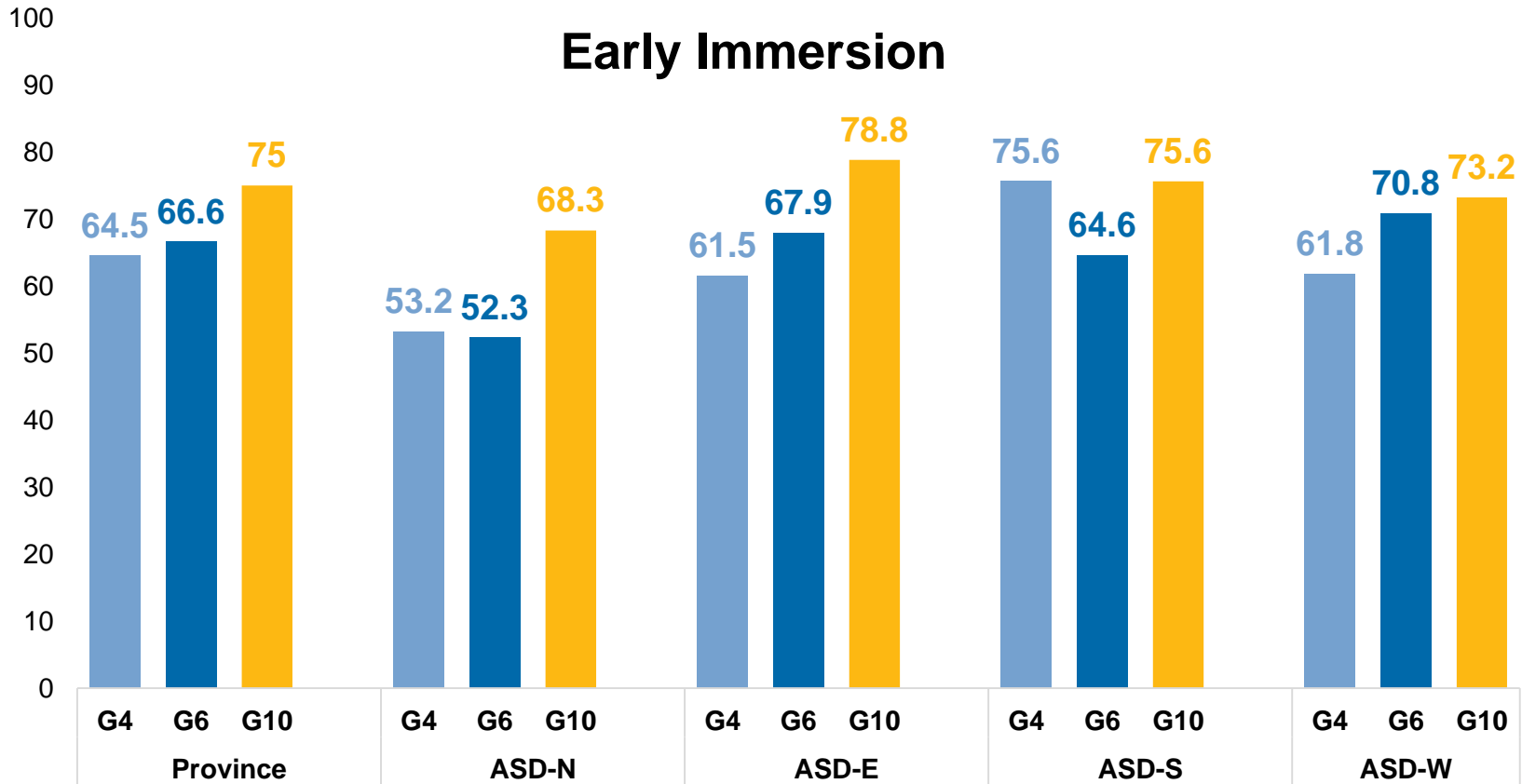
## Reading: % of Students at Level 2 or Above





# French Second Language Reading Assessment

% Successful by District by Grade level

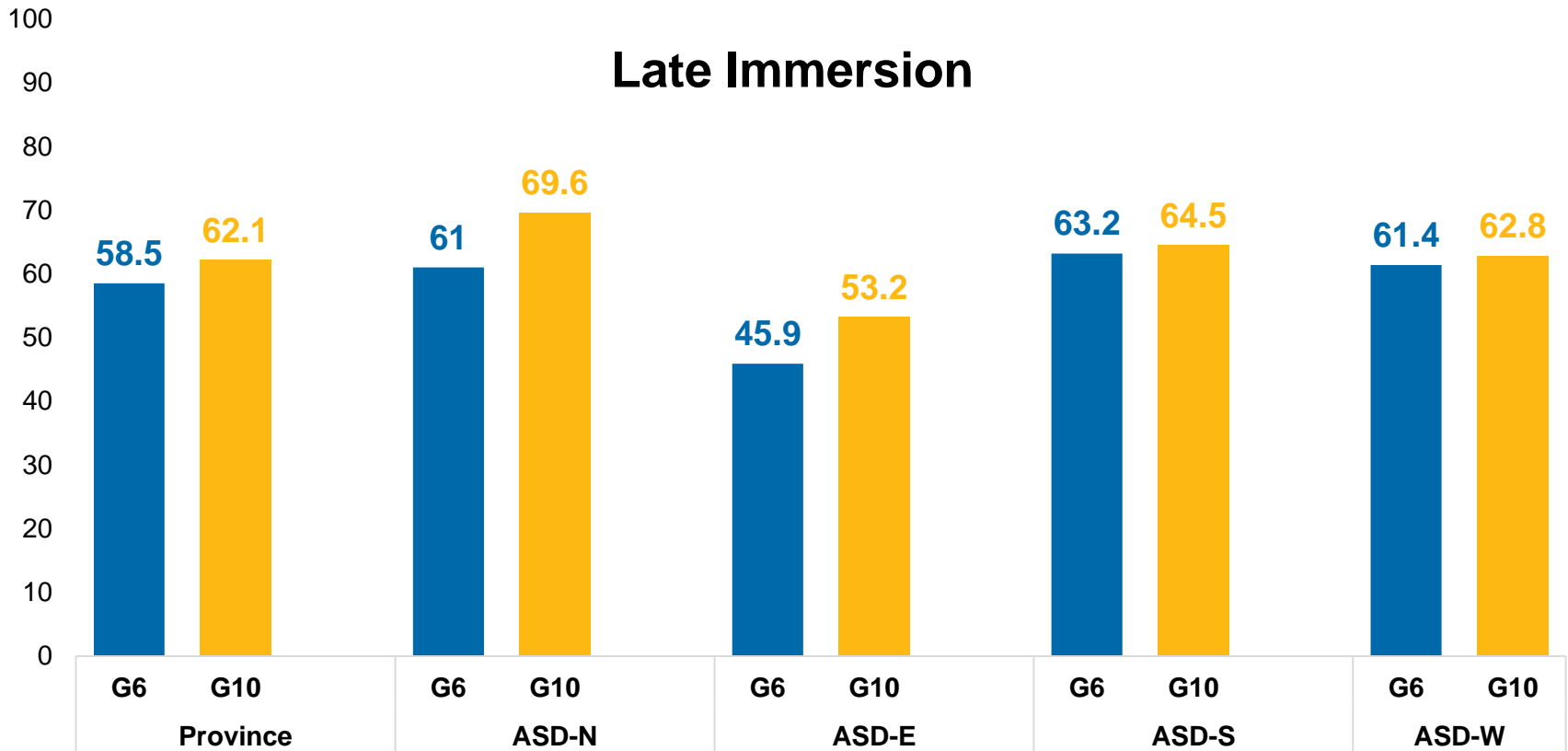


*Note: All students writing these assessments began FI in Grade 3.*



# French Second Language Reading Assessment

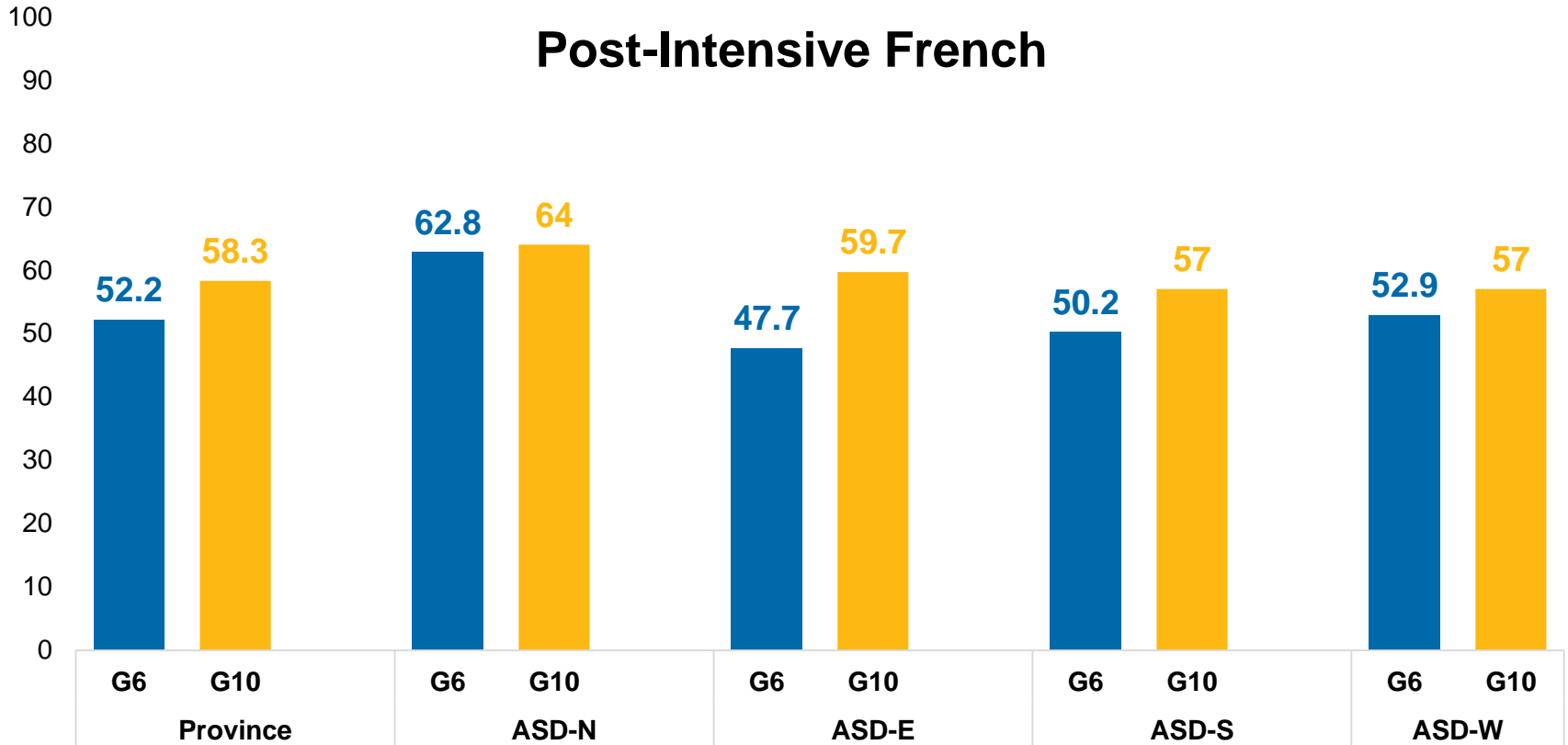
% Successful by District by Grade level



*Note: All students writing these assessments began FI in Grade 6.*

# French Second Language Reading Assessment

% Successful by District by Grade level



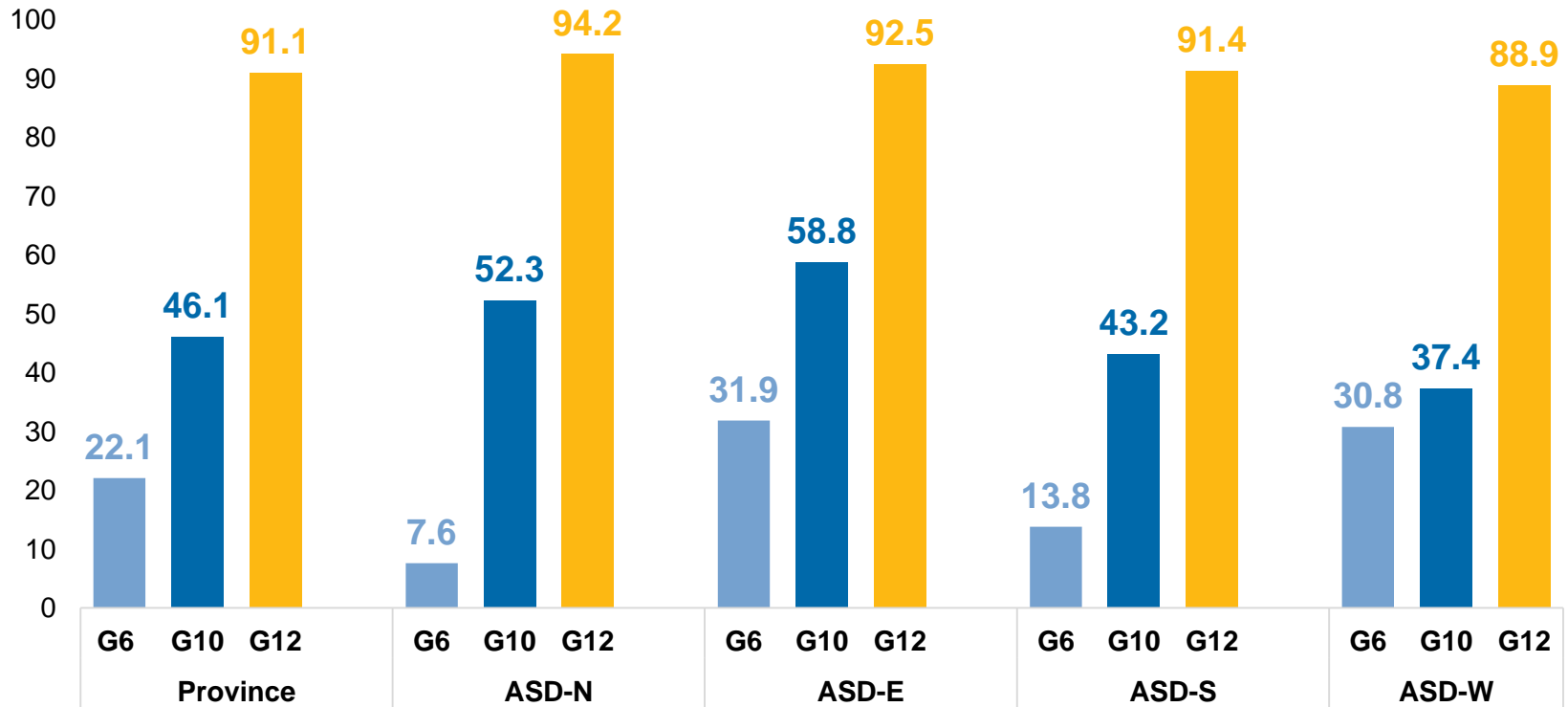
*Note: All students writing these assessments participated in the Grade 5 Intensive French Program.*

# NB Second Language Oral Proficiency Scale Performance Description for **Intermediate** Level (B1.1)

- The student is able to satisfy routine social demands and limited requirements in school/work settings with a speaking vocabulary sufficient for simple conversation, with some paraphrasing.
- The student can:
  - ✓ provide information and give explanations with some degree of accuracy;
  - ✓ handle most common social situations, including introductions and casual conversations about events in school and community;
  - ✓ provide autobiographical information in some detail;
  - ✓ give directions from one place to another; and
  - ✓ give accurate instructions in a field of personal expertise.

# French Second Language Oral Proficiency

% Intermediate and Above by District by Grade level – all Programs

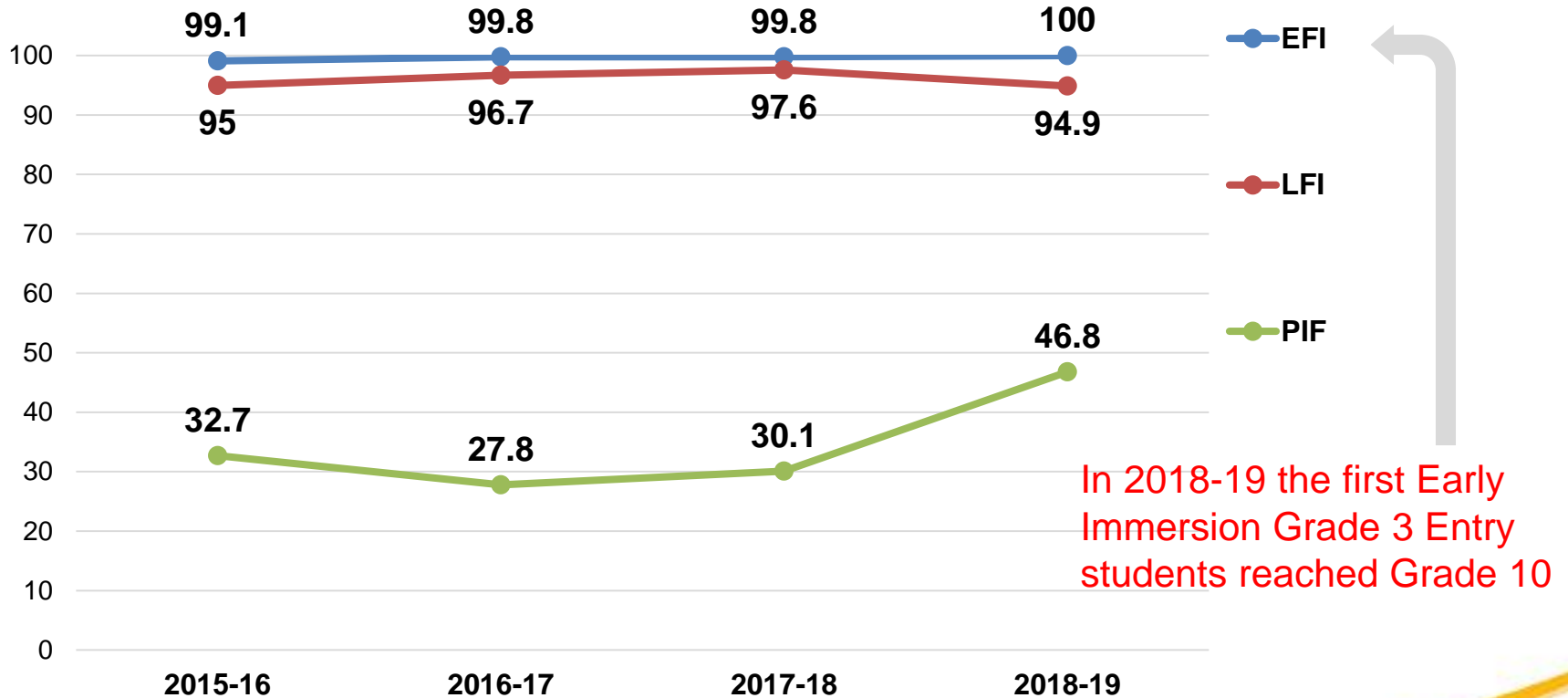


Students assessed in Grade 6 and 10 began FI in Grade 3  
Students assessed in Grade 12 began FI in Grade 1

Note: the Grade 10 assessment was administered in 2017-18

# Grade 10 French Second Language Oral Proficiency over time by Program (2017-18)

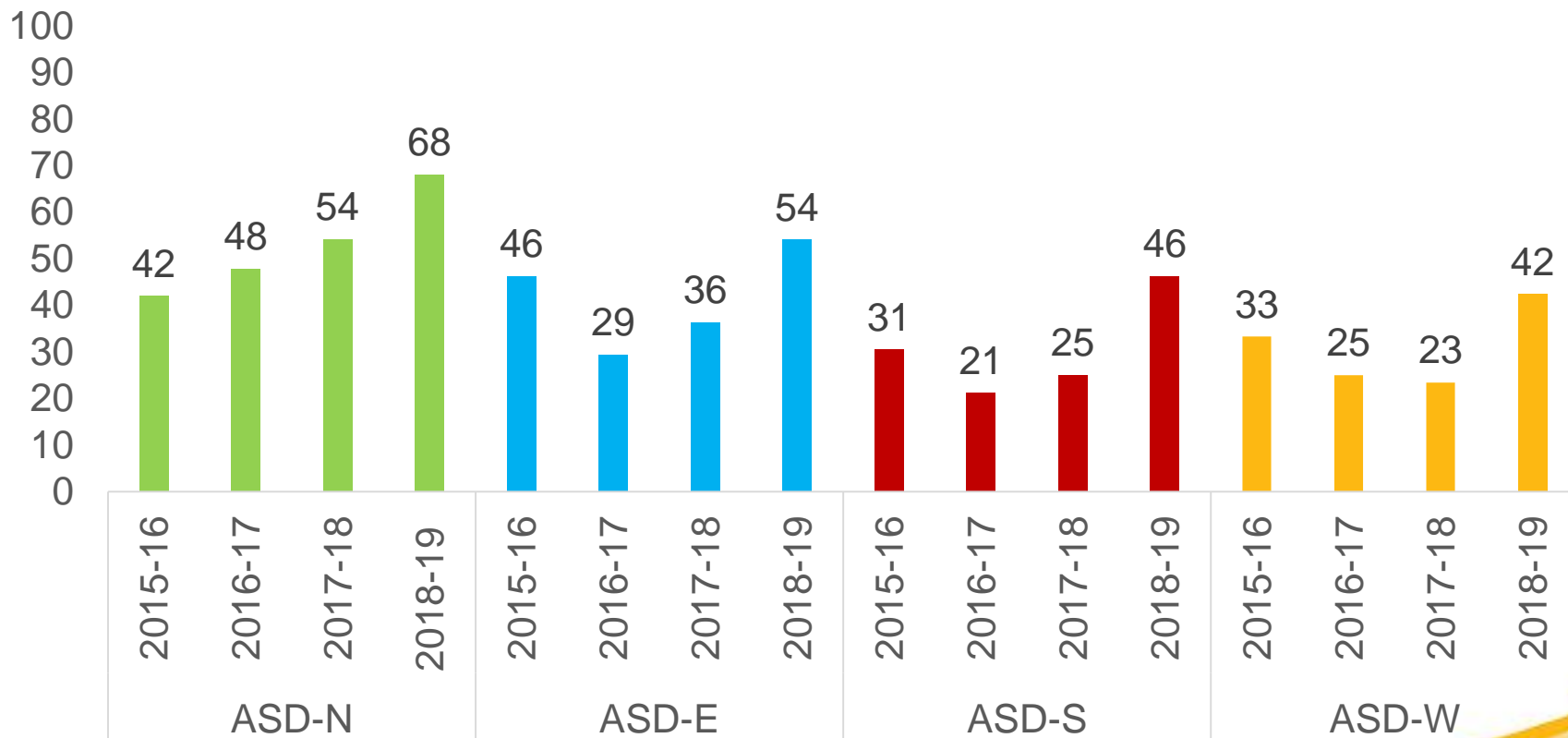
## Intermediate and Above





# Grade 12 French Second Language Oral Proficiency

## Post Intensive French - % attaining Intermediate and Above





# Mathematics Overview

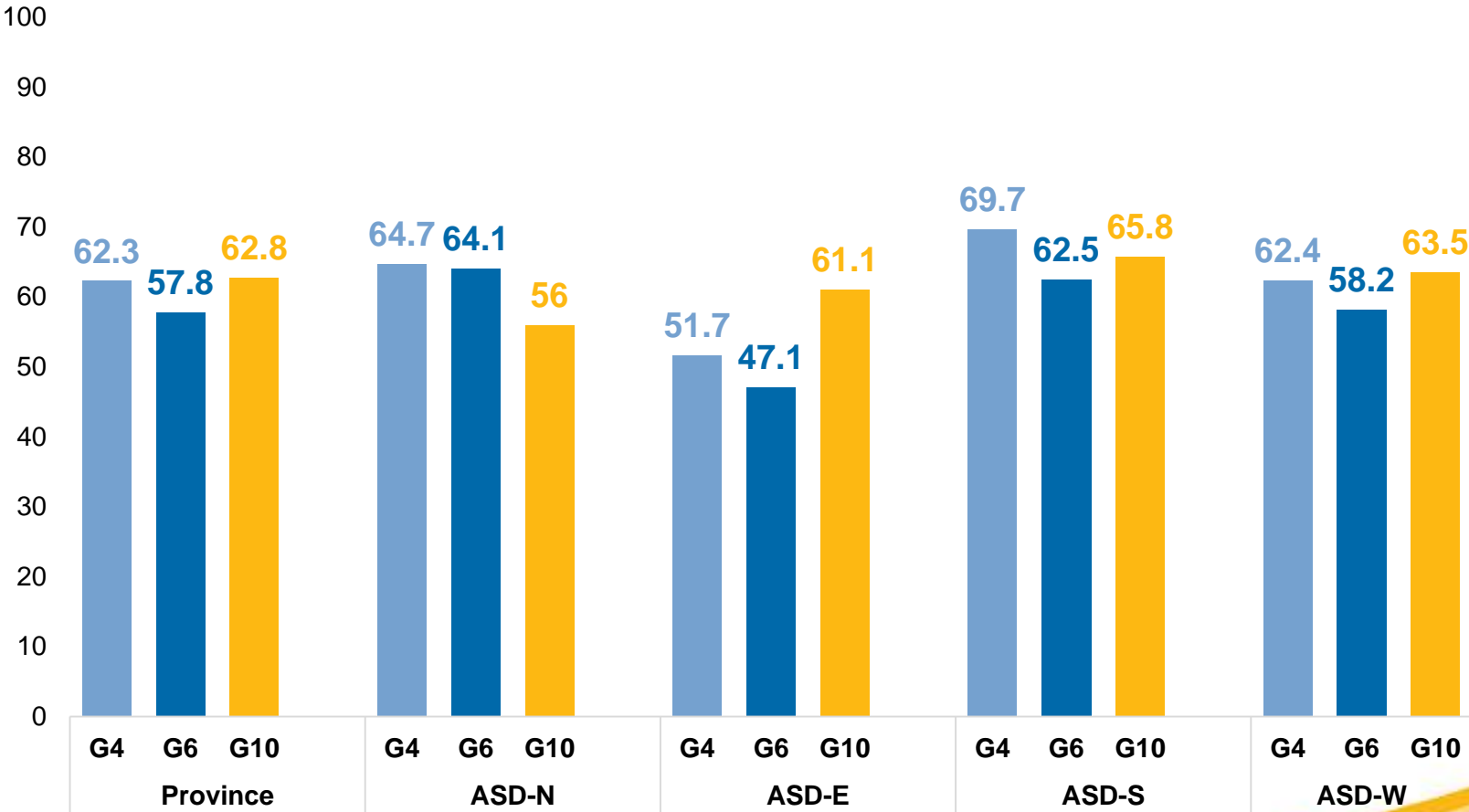
	Success Rates	
	2017-2018	2018-2019
Grade 4	-	<b>62.3%</b>
Grade 6	37.1%	<b>57.8%</b>
Grade 8 PCAP	NB tied for 4 <sup>th</sup> place with PEI, NS, BC	
Grade 10	64.5%	<b>62.8%</b>
PISA (15 year-olds)	NB Ranking 19 <sup>th</sup> (Anglophone is lower)	

PCAP 2016 = *Pan-Canadian Assessment Program*

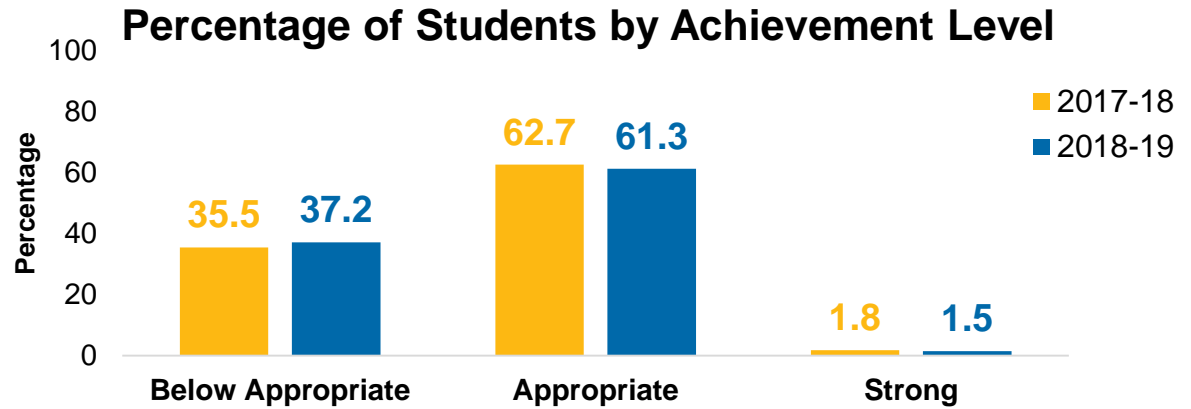
PISA 2015 = *Program for International Student Assessment*

# Mathematics – 2018-2019

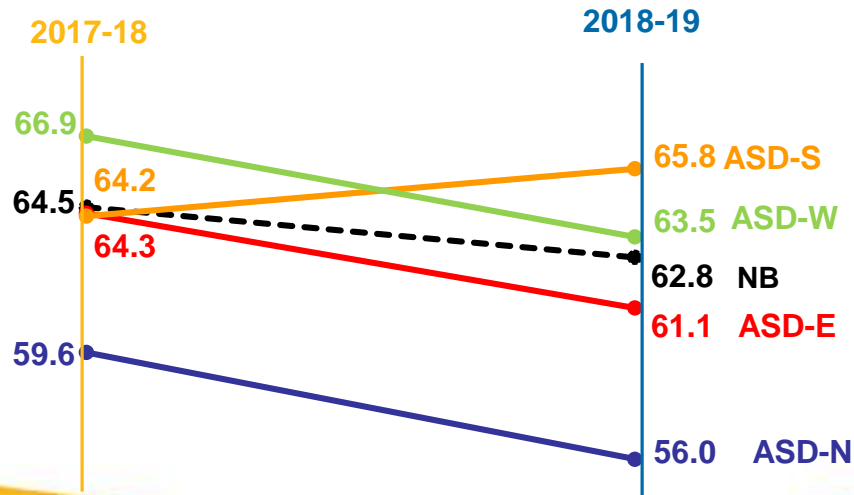
## % Successful by District by Grade level



# Grade 10 Mathematics



### Percentage of Successful Students by District







# Scientific Literacy Overview

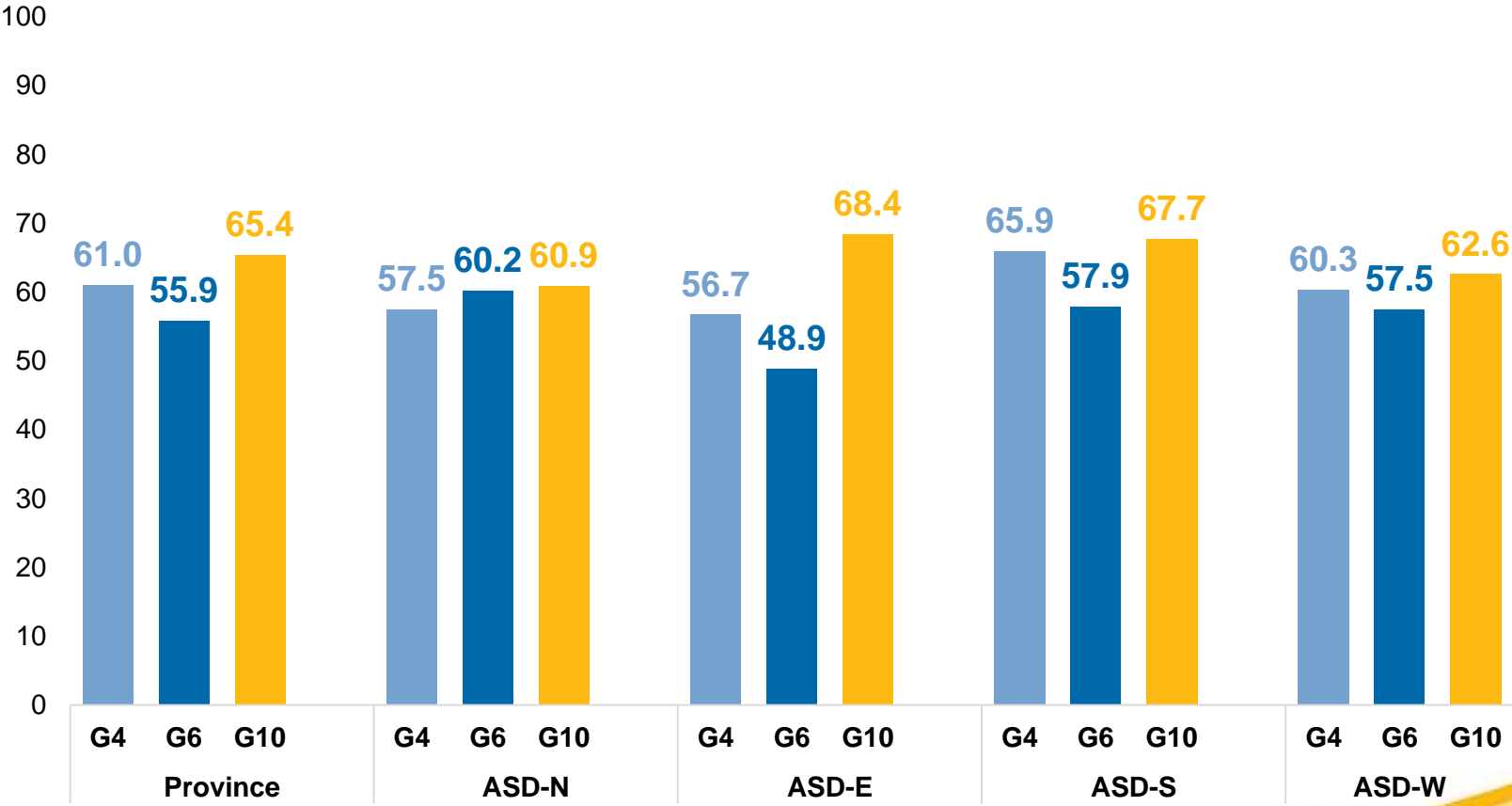
	Success Rates	
	2017-2018	2018-2019
Grade 4	-	<b>61.0%</b>
Grade 6	35.1%	<b>55.9%</b>
Grade 8 PCAP	NB tied for 8 <sup>th</sup> place with NS, SK, MB	
Grade 10	64.7%	<b>65.4%</b>
PISA (15 year-olds)	NB Ranking 10 <sup>th</sup> (Anglo and Franco are the same)	

PCAP 2016 = *Pan-Canadian Assessment Program*

PISA 2015 = *Program for International Student Assessment*

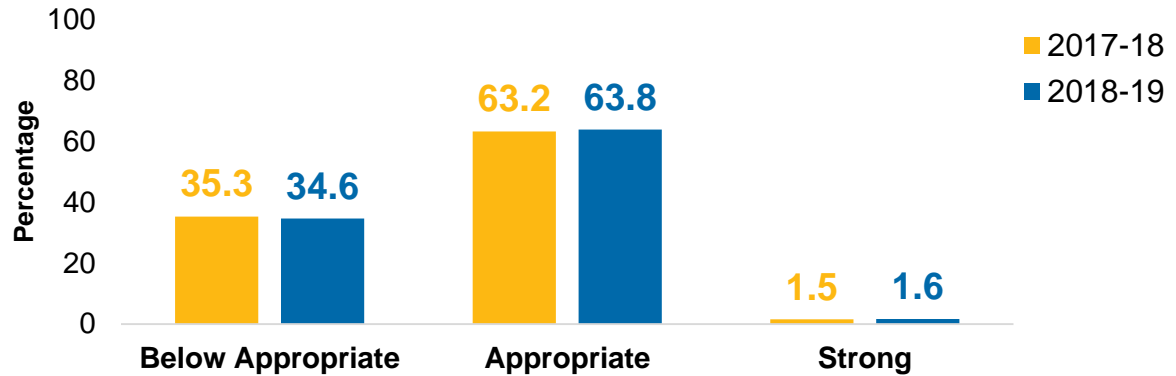
# Scientific Literacy 2018-19

## % Successful by District by Grade level

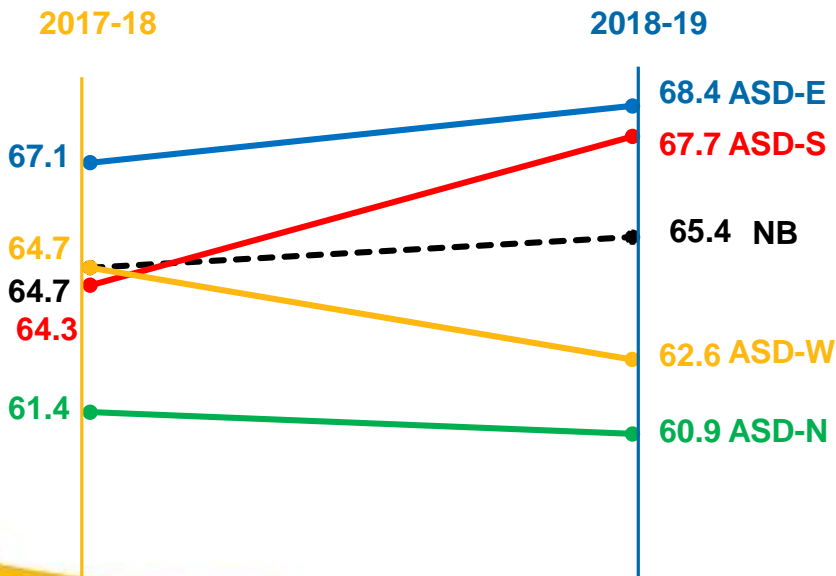


# Grade 10 Scientific Literacy

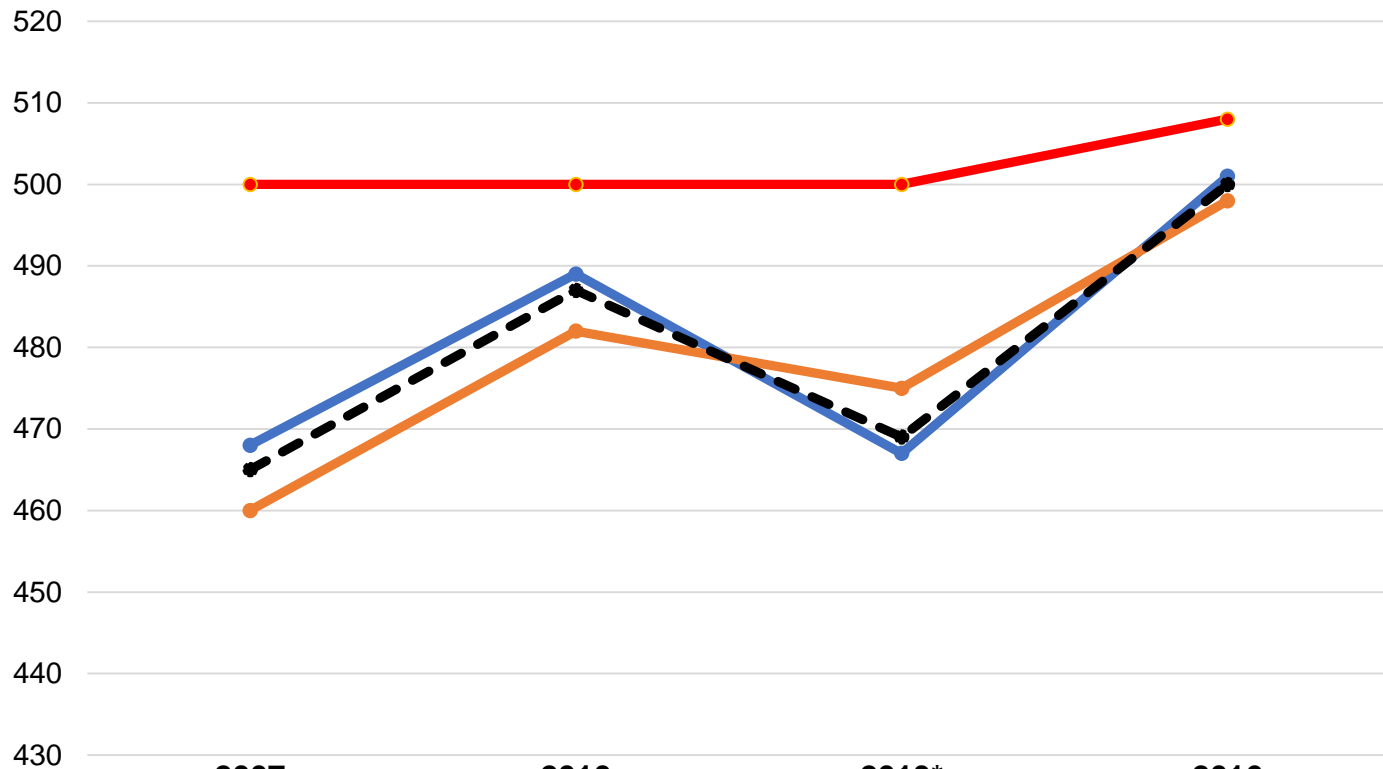
Percentage of Students by Achievement Level



Percentage of Successful Students by District



# Grade 8 PCAP Science



	2007	2010	2013*	2016
Anglophone	468	489	467	501
Francophone	460	482	475	498
New Brunswick	465	487	469	500
Canada	500	500	500	508





# Student Perception Survey

By Grade 12 ...

- 60% of students report having a positive sense of belonging (Province Aver = 56%)
- 70% value school outcomes (Province Aver = 57%)
- 36% are interested and motivated (Province Aver = 36%)
- In Grades 6 to 12, on average 30% of students report moderate or high levels of anxiety or depression (Province Aver = 30%)

Source: *OurSCHOOL Student Survey, 2018-19*

# Assessment Program Contextual Questions

- 18 survey questions are included in the assessment booklets for Grades 4, 6, & 10
- These were adapted from the PISA contextual survey, selected for their relatively strong correlation with math performance
- They cover 4 domains:
  - **Student self-perception** (e.g., I understand things quickly.)
  - **Learning environment** (e.g., The teacher tells us at the beginning of the lesson what we should know by the end of the lesson.)
  - **Student personal characteristics** (e.g., number of times late for school)
  - **Socio-economic status** (e.g., number of books in home)

# Assessment Program Contextual Questions *Highest Correlations with Grade 10 Math Achievement*

Q503 - I like to solve hard problems (+0.491)

Q501 - I understand things quickly (+0.465)

Q520 - Do the adults you live with have a university degree? (+0.122)

Q515 - How many books in your home? (+0.273)

Q502 - I can easily make connections between facts (+0.434)

Q513 - Teacher asks us to explain our steps for answers/what info. we used (+0.133)

Q514 - In the last two weeks, how many times were you late for school? (+0.149)

Q517 - How many computers in your home? (+0.206)

All other items have either negative or no correlation.

Source: NB Provincial Assessment Program Grade 10 *Contextual Survey*,  
2018-19