

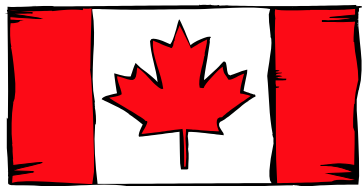
Prince Edward Island PCAP 2016 Results

April 30, 2016

PCAP 2016

Report on the Pan-Canadian Assessment of
Reading, Mathematics, and Science





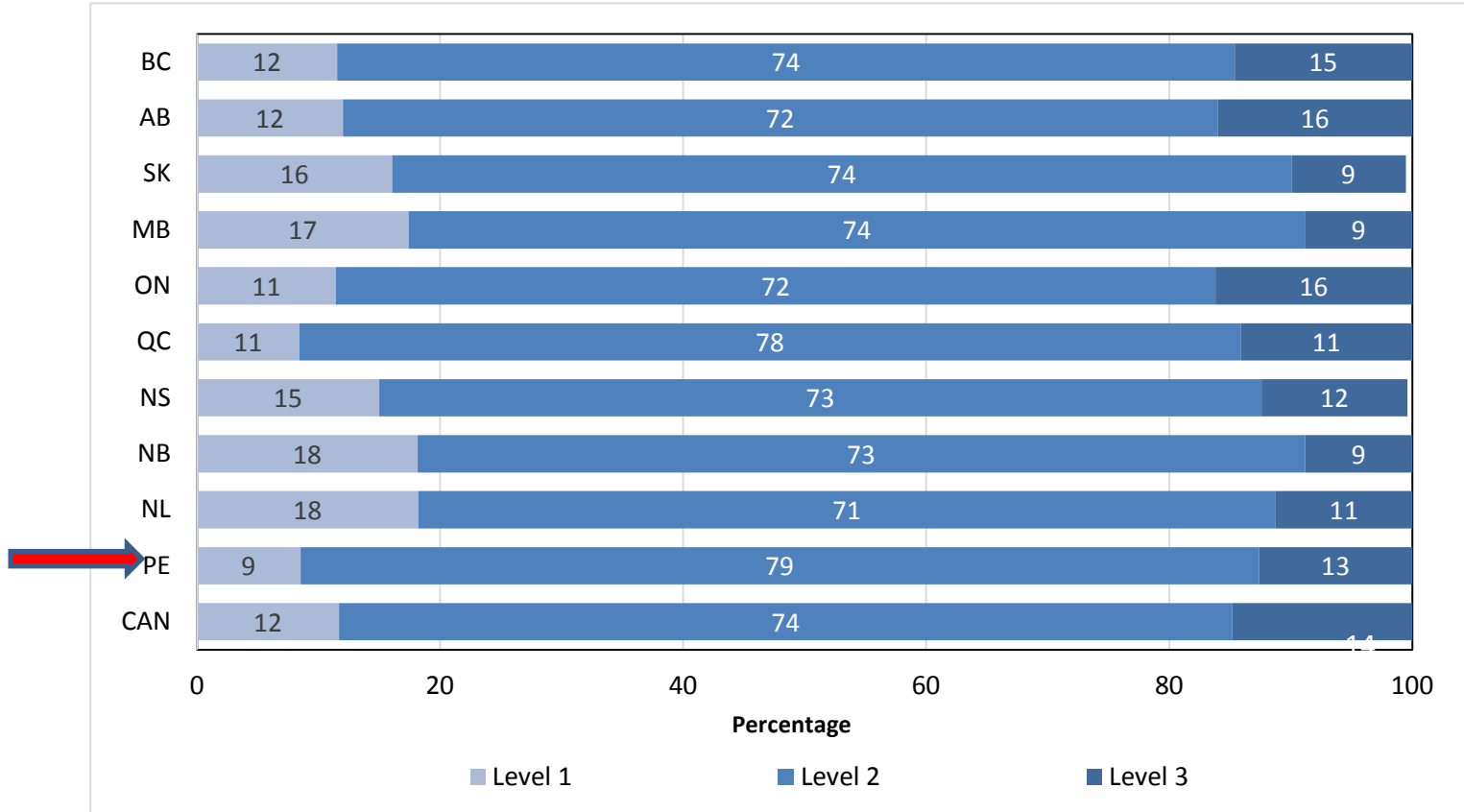
Facts about PCAP?

Pan-Canadian Assessment Program

- Based on common curriculum outcomes across provinces and territories
- Developed by CMEC and provinces/territories
- Initiated in 2007, administered every three years
- Sample of over 32,000 students from over 1,500 schools
- 435 Grade 8 students participated from PEI
- One major domain (reading) and two minor domains (mathematics and science)
- Full report provides results for Canada overall, by jurisdiction, by language, and by gender

PCAP Reading 2016

Distribution of students by level of performance in Reading



Level 2 is considered baseline proficiency or the level at which students demonstrate the reading skills that would enable them to participate effectively and productively in daily life. In Prince Edward Island, 91% of students achieve the expected level of performance or above. This is 3% above the performance of Canada overall and higher than any other province.

* denotes significant difference

Performance by Gender

Table 1.7 Comparison of Canadian and provincial results for percentage of students achieving at or above Level 2 by gender

Girls		
Higher* percentage than Canada	The same percentage as Canada	Lower* percentage than Canada
Prince Edward Island	British Columbia, Alberta, Ontario, Quebec, Nova Scotia	Saskatchewan, Manitoba, New Brunswick, Newfoundland and Labrador
Boys		
	British Columbia, Alberta, Ontario, Quebec, Prince Edward Island	Saskatchewan, Manitoba, Ontario, New Brunswick, Nova Scotia, Newfoundland and Labrador

PCAP 2016 Reading

Pan-Canadian results in reading by jurisdiction

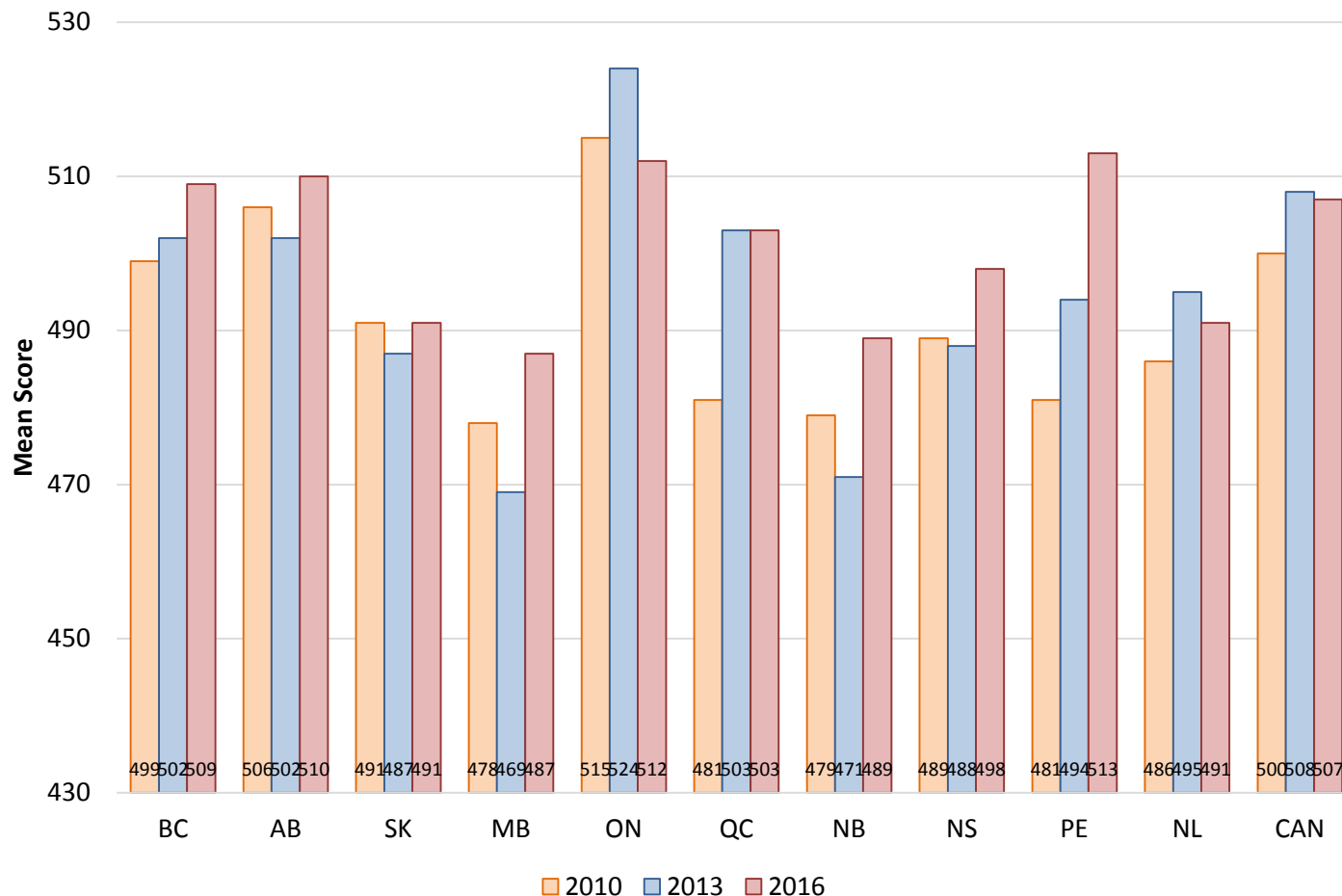
Achievement scores in reading by province		
Province	Mean score	Difference
British Columbia	509	2
Alberta	510	3
Saskatchewan	491	-16*
Manitoba	487	-20*
Ontario	512	5
Quebec	503	-4
New Brunswick	489	-18*
Nova Scotia	498	-9*
Prince Edward Island	513	6
Newfoundland and Labrador	491	-16*
Canada	507	

* *Significant difference compared to Canada*

PCAP Reading 2010, 2013, 2016

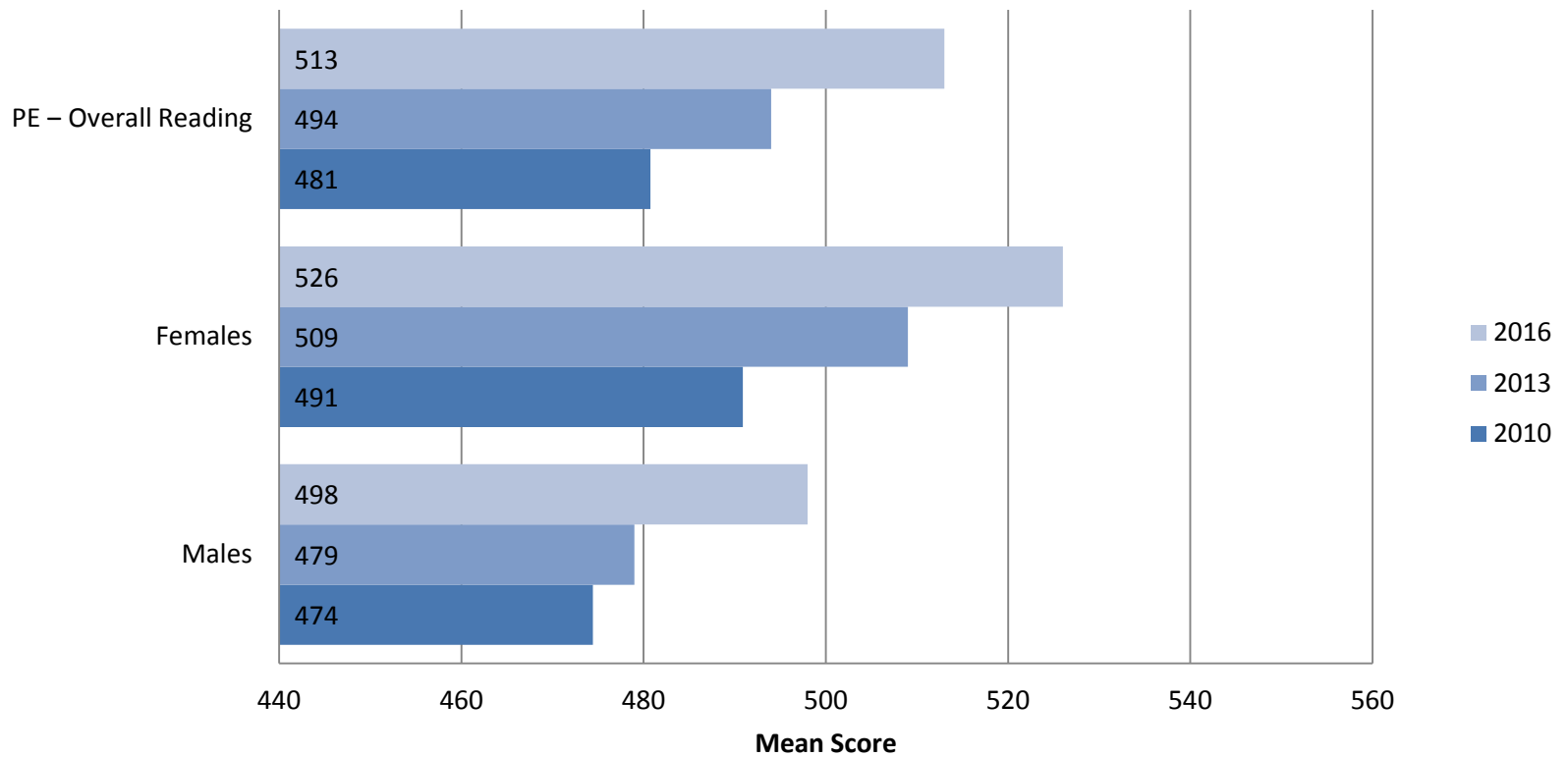
Pan-Canadian results in reading by jurisdiction over time

PEI students have made significant improvements in reading. In fact, PEI students showed more improvement than any other province (32 points).

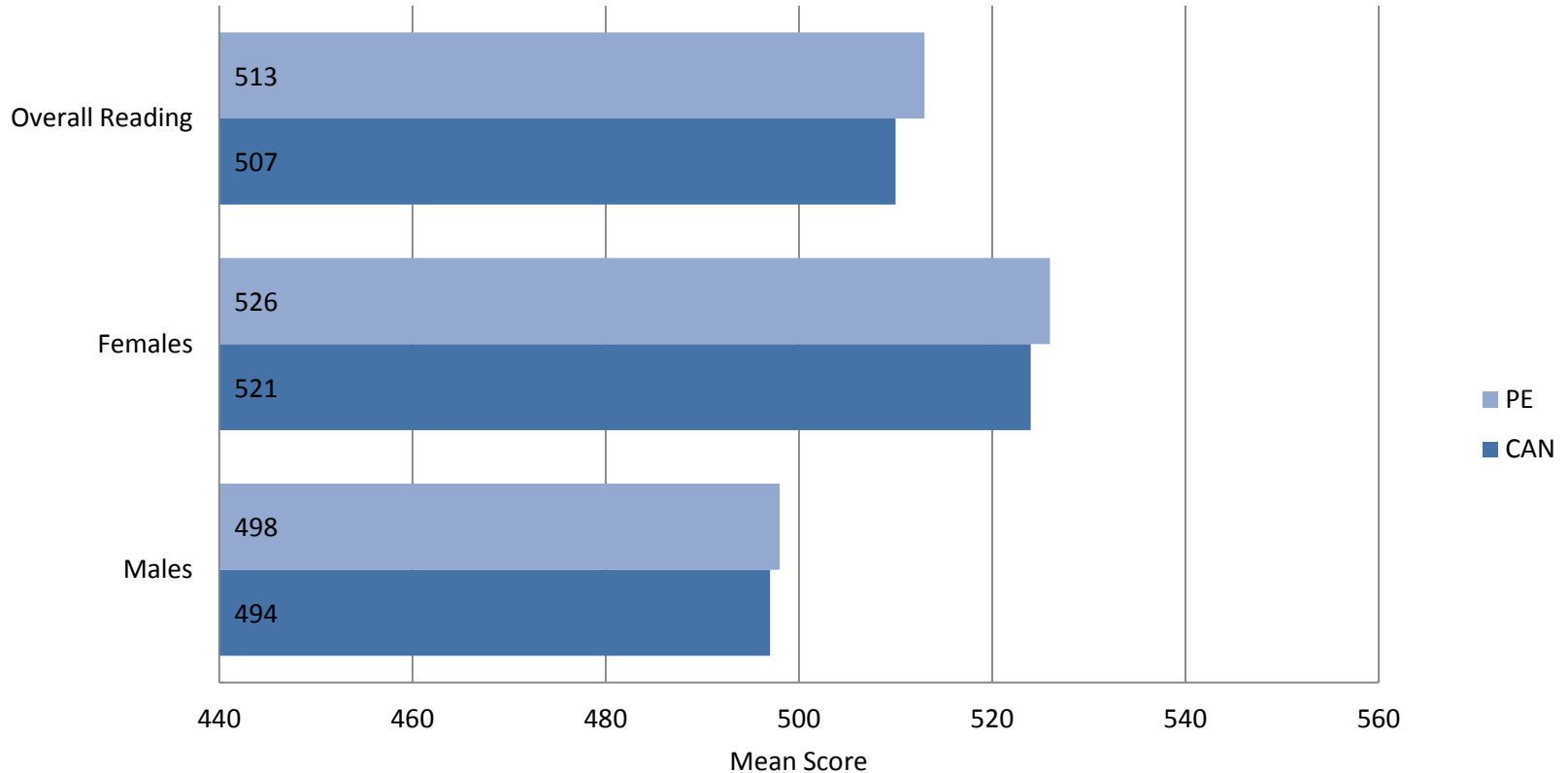


PEI: Reading Over Time

Figure PE.4 Prince Edward Island: results in reading over time



PEI: Results in reading by gender compared to Canada



PCAP 2016 Mathematics

Pan-Canadian results in mathematics by jurisdiction

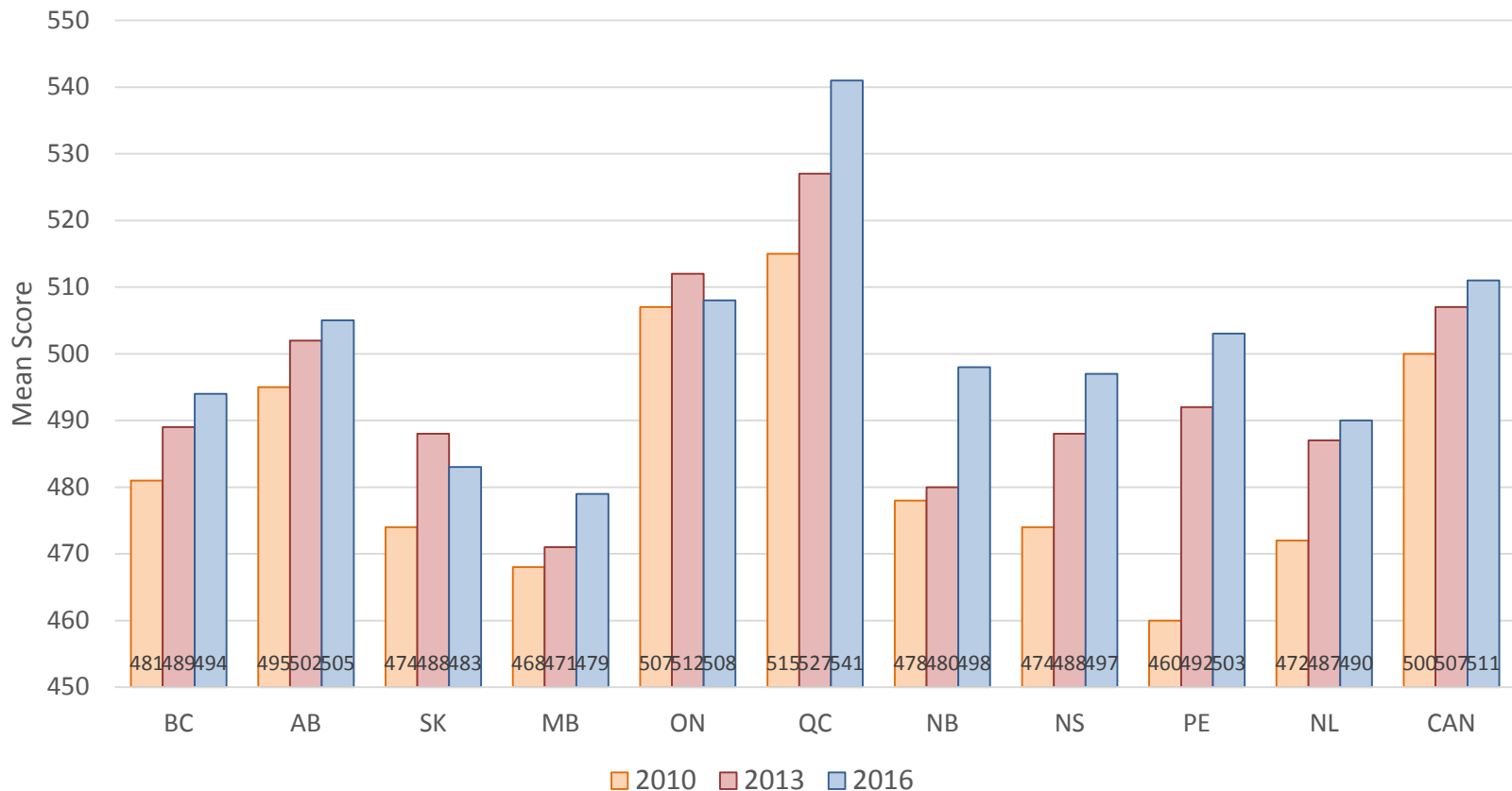
Achievement scores in mathematics by province		
Province	Mean score	Difference
British Columbia	494	-17*
Alberta	505	-6*
Saskatchewan	483	-28*
Manitoba	479	-32*
Ontario	508	-3
Quebec	541	30*
New Brunswick	498	-13*
Nova Scotia	497	-14*
Prince Edward Island	503	-8
Newfoundland and Labrador	490	-21*
Canada	511	

* *Significant difference compared to Canada*

PCAP 2010, 2013, 2016

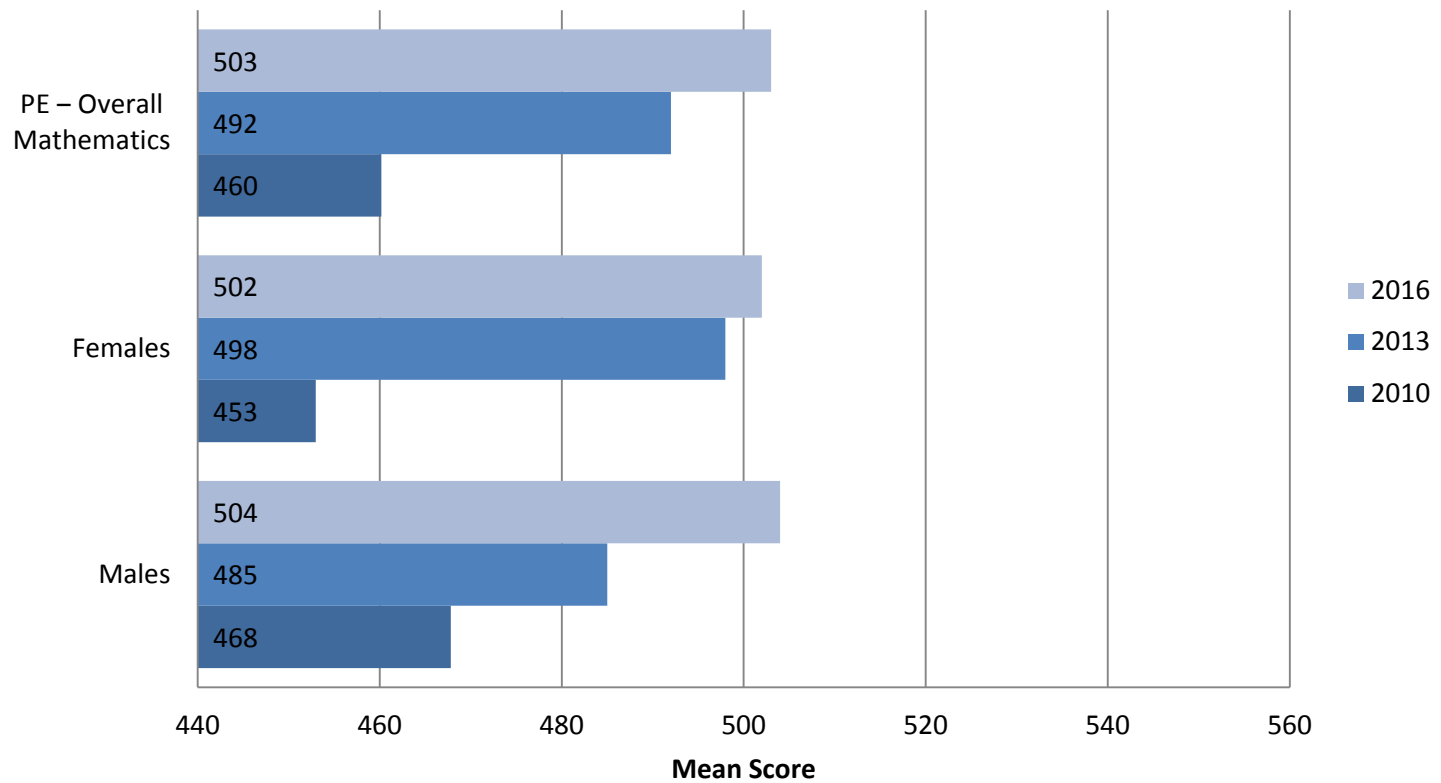
Pan-Canadian results in Math by jurisdiction over time

Between 2010 and 2016, there has been a slight increase in achievement across Canada and in most jurisdictions. PEI has more than doubled the improvement seen in any other province (43 points).



PEI: Mathematics Over Time

Figure PE. 6



PCAP 2016 Science

Pan-Canadian results in science by jurisdiction

Achievement scores in science by province		
Province	Mean score	Difference
British Columbia	505	-3
Alberta	518	10*
Saskatchewan	491	-17*
Manitoba	491	-17*
Ontario	510	2
Quebec	507	-1
New Brunswick	500	-8*
Nova Scotia	499	-9*
Prince Edward Island	516	8
Newfoundland and Labrador	501	-7
Canada	508	

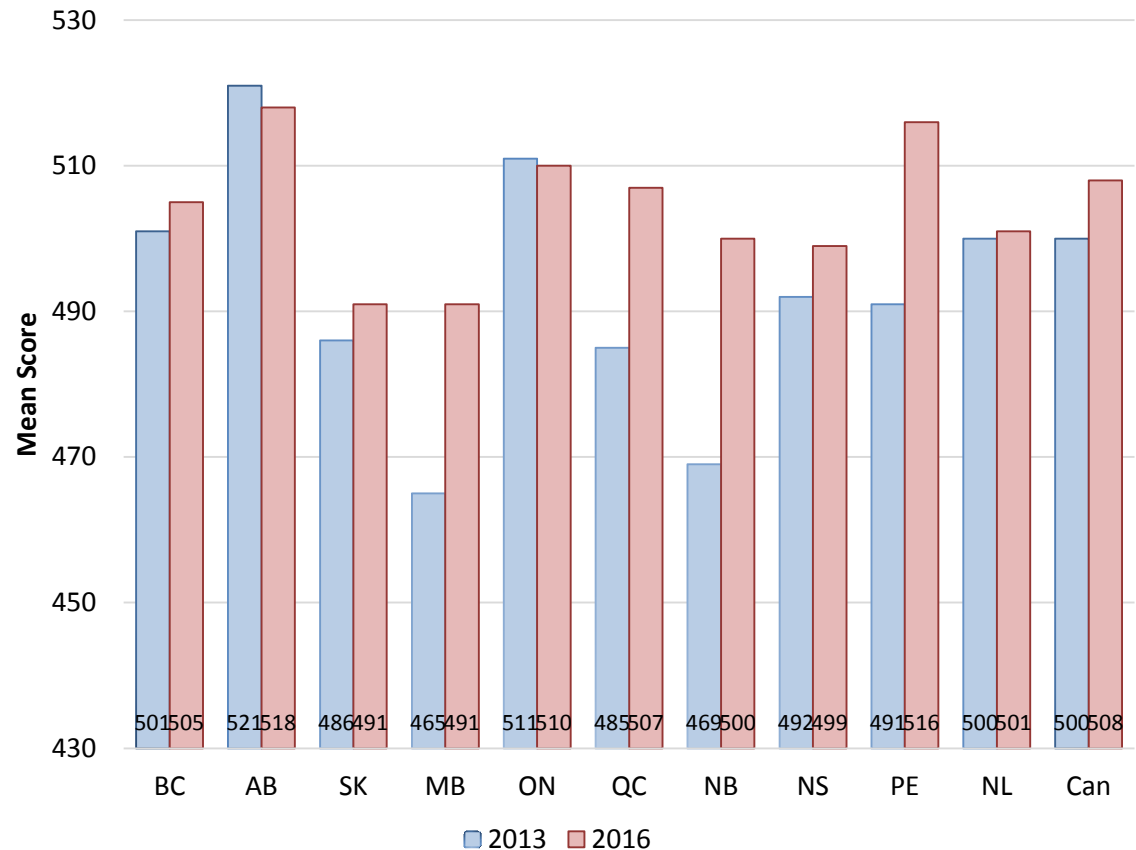
* *Significant difference compared to Canada*

PCAP 2013 and 2016

Pan-Canadian results in Science by jurisdiction over time

In Canada, between 2013 and 2016, there has not been a significant change in science achievement.

Between 2013 and 2016, PEI has shown significant improvement in science (25 points).



Response Rates

Exemption Rates:

Year	Canadian Exemption Rate	PEI Exemption Rate	Range of Canadian Exemption Rates
PCAP 2010	3.3	6.8	0.7 - 6.8
PCAP 2013	3	English – 6 French – 2	English 0- 6 French 0 - 11
PCAP 2016	English – 3.6 French – 1.7	English – 5.1 French – 3.4	English 1.3 - 5.7 French 0.6 -5.1

Participation Rates:

PEI: 94.3% (E) and 91.2 (F)
Canada: 92%

School Response Rates:

PEI: 100%
Canada: 92%

PCAP 2016 – Reading Highlights

- 91% of students in PEI achieved the expected level of performance in reading (Level 2) compared to 88% in Canada. PEI had more students reach this level than any other province.
- Between **2010 and 2016**, there was a significant increase in reading from 481 to 513 (+32 points).
- PEI students performed at the Canadian mean in reading.
- Overall in Canada, and in all provinces, girls outperform boys in reading.
- In PEI, both boys' and girls' scores are similar to their Canadian counterparts.
- Since 2010, Island students show more improvement in reading than any other province in Canada.

PCAP 2016 – Math Highlights

- Between **2010 and 2016**, there was a significant increase in mathematics performance from 460 to 503 (43 points).
- Results of PEI students are at the Canadian average.
- In PEI both girls and boys achieved improved scores.
- There is no difference in achievement between boys and girls in PEI.
- Similar to reading, Island students show more improvement in math than students in any other province in Canada. In fact, Island students attained close to double the improvement of students in any other province in Canada.

PCAP 2016 – Science Highlights

- Students in PEI achieved significantly higher scores in science than **in 2013** which was the first year that science was the major domain (25 points).
- Both boys and girls show improvement in science since 2013.
- No statistical difference between boys and girls.
- Results of PEI students in science are at the Canadian average.

Pan-Canadian Assessment Program

PCAP 2016

Report on the Pan-Canadian Assessment of
Reading, Mathematics, and Science



cmec
Council of Ministers
of Education,
Canada

Thank you!