



## **CAT-4 Multi-Year Trend Report, Spring 2019**

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## INTRODUCTION AND EXPLANATION OF TERMINOLOGY

The data presented in this document represents a compilation of Canadian Achievement Test (CAT-4) results for Sudbury Christian Academy (SCA) from the past six academic calendar years. This year (spring 2019) was the second consecutive year when all grade levels from K-8 were tested. Prior to 2015, only grades 3 through 6 were tested. As such, data for some grades and cohorts of students do not exist for previous years.

Four sets of 6-year comparative data are presented for each class: a) a table which represents the composition of the class; b) the percentage of students at **Stanine 4** and above; c) the **mean national percentile rank** for the class; and the **mean grade equivalent** for the class.

### EXPLANATION OF TERMINOLOGY

The CAT-4 test measures student achievement on a nine-step scale (see image at right). **Stanine 4** is the low end of average achievement for any student tested. The percentage of students above Stanine 4 is the percentage of students who test at or above average by national standards.

The **mean national percentile rank** is essentially a comparison of class average achievement against the national average. By definition, the national average is 50% on a percentile scale, so any class average achievement above 50% is above the national average.

The **mean grade equivalent** is arguably the simplest measurement to comprehend. It is the grade at which a class is testing, which may or may not match the actual grade placement of the students in the class. Students at SCA often test up to three years ahead of grade level.

### WHAT DOES IT ALL MEAN?

Ultimately, the data in this report stands as evidence of the superior education that students receive at SCA. According to their own measurements, public schools are seeing precipitous declines in standardized test results, most notably in mathematics. Thankfully, there is an alternative. Enrol your child at SCA today!



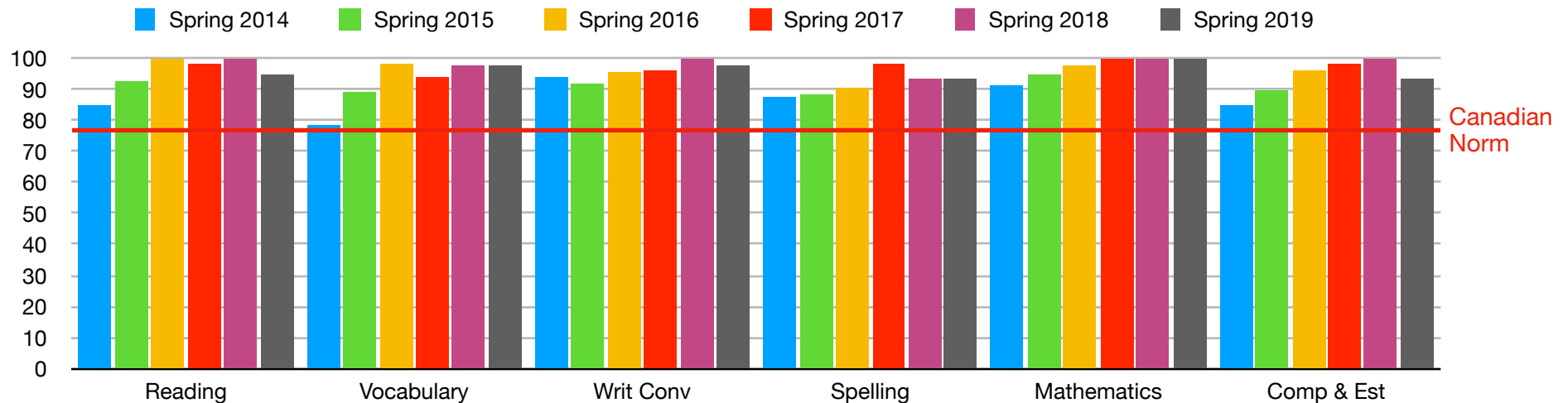


## **SECTION I: OVERALL RESULTS, GRADES 3 THROUGH 8**

## OVERALL RESULTS, GRADES 3 THROUGH 8

**Table 1: Students Tested, Grades 3-8**

|              | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|------|------|------|------|------|------|
| <b>BOYS</b>  | 12   | 20   | 22   | 18   | 16   | 11   |
| <b>GIRLS</b> | 10   | 16   | 19   | 20   | 19   | 18   |
| <b>TOTAL</b> | 22   | 36   | 41   | 38   | 35   | 29   |



**Figure 1: Percentage of Students at Stanine 4 and Above (Grades 3-8)**

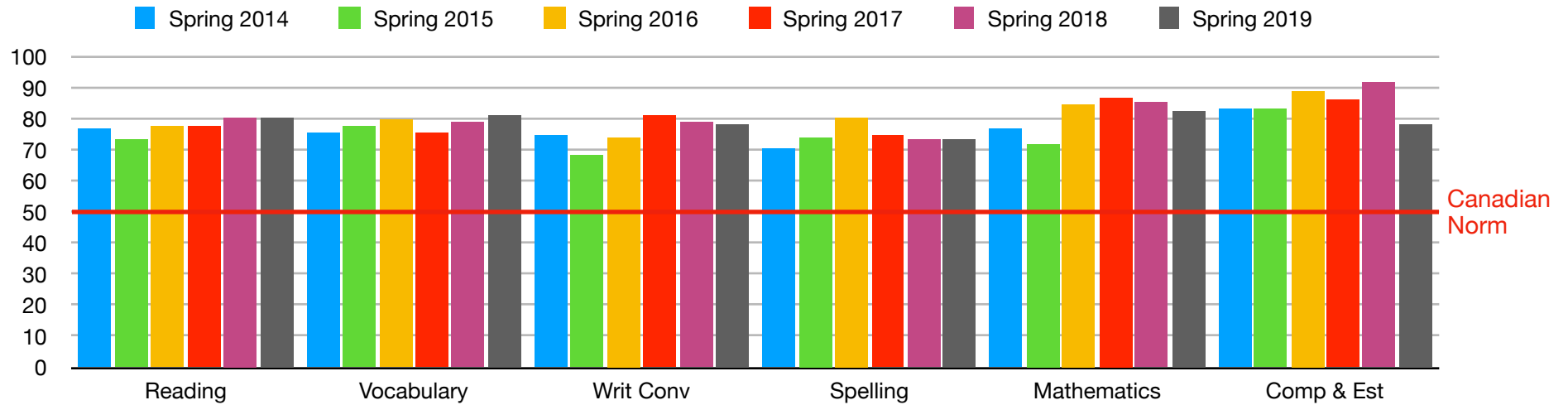


Figure 2: Mean National Percentile Rank (Grades 3-8)

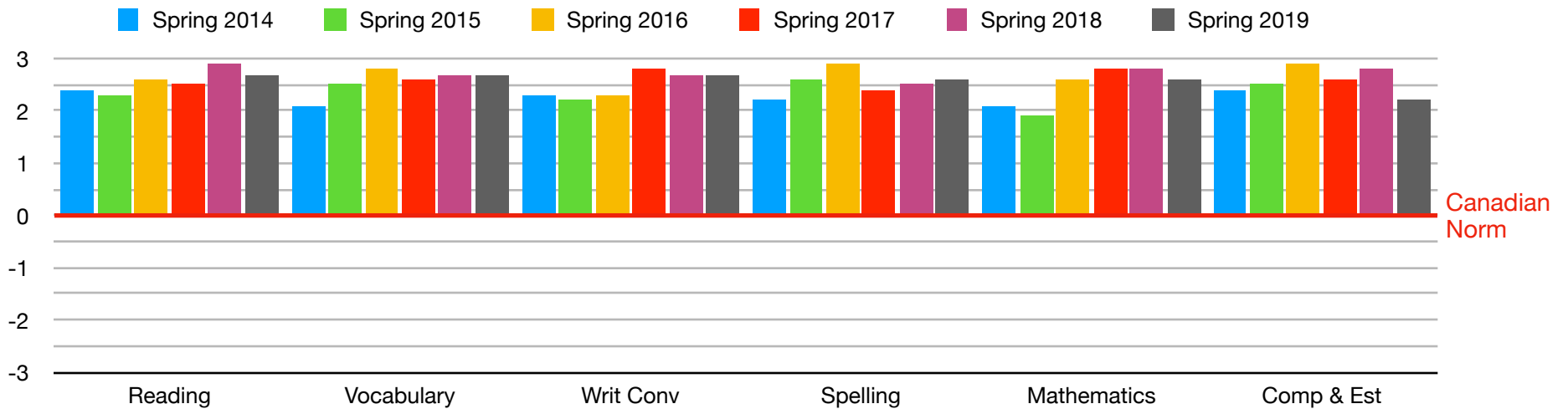


Figure 3: Mean Grade Equivalent (Grades 3-8)



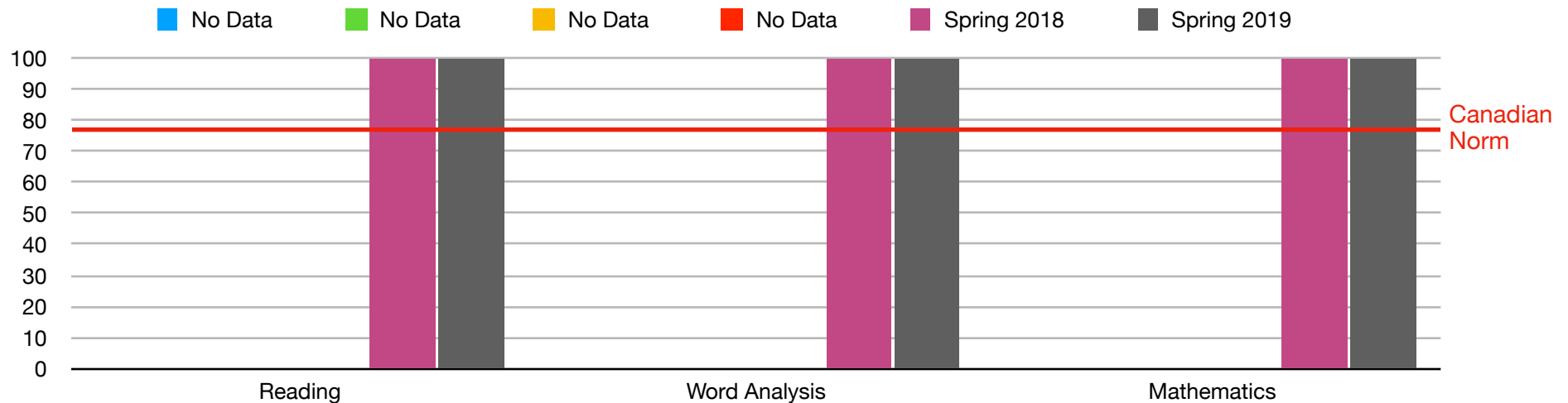


## **SECTION II: COMPARATIVE RESULTS BY GRADE LEVEL**

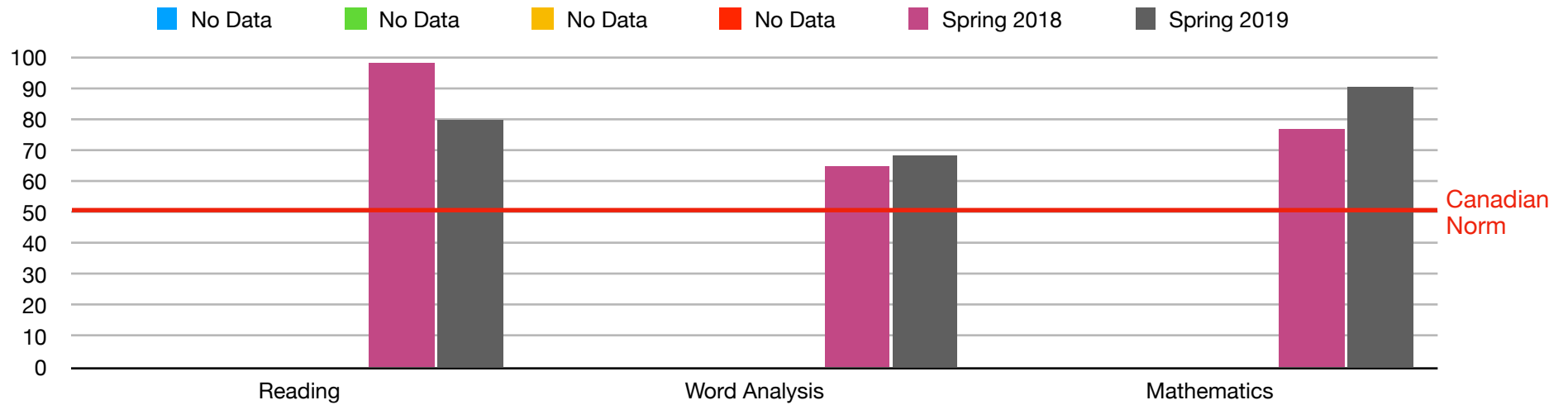
## SENIOR KINDERGARTEN (SK) CLASS, SPRING 2014-2019

**Table 2: Senior Kindergarten Students Tested**

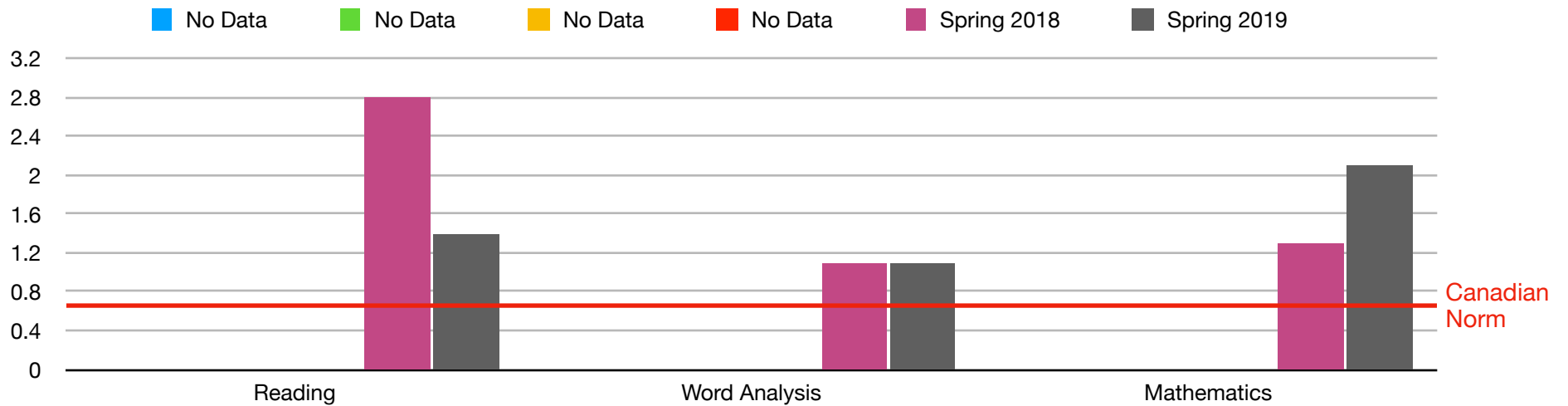
|              | 2014    | 2015    | 2016    | 2017    | 2018 | 2019 |
|--------------|---------|---------|---------|---------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | N/A     | N/A     | 1    | 1    |
| <b>GIRLS</b> | N/A     | N/A     | N/A     | N/A     | 3    | 1    |
| <b>TOTAL</b> | NO DATA | NO DATA | NO DATA | NO DATA | 4    | 2    |



**Figure 4: Percentage of SK Students at Stanine 4 and Above**



**Figure 5: Mean National Percentile Rank (SK)**

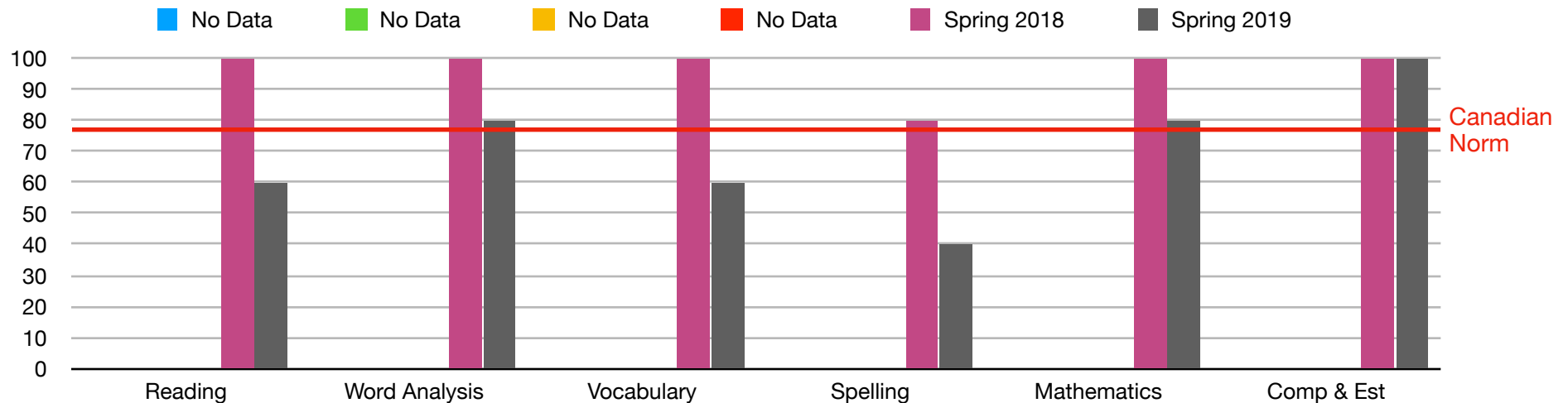


**Figure 6: Mean Grade Equivalent (SK)**

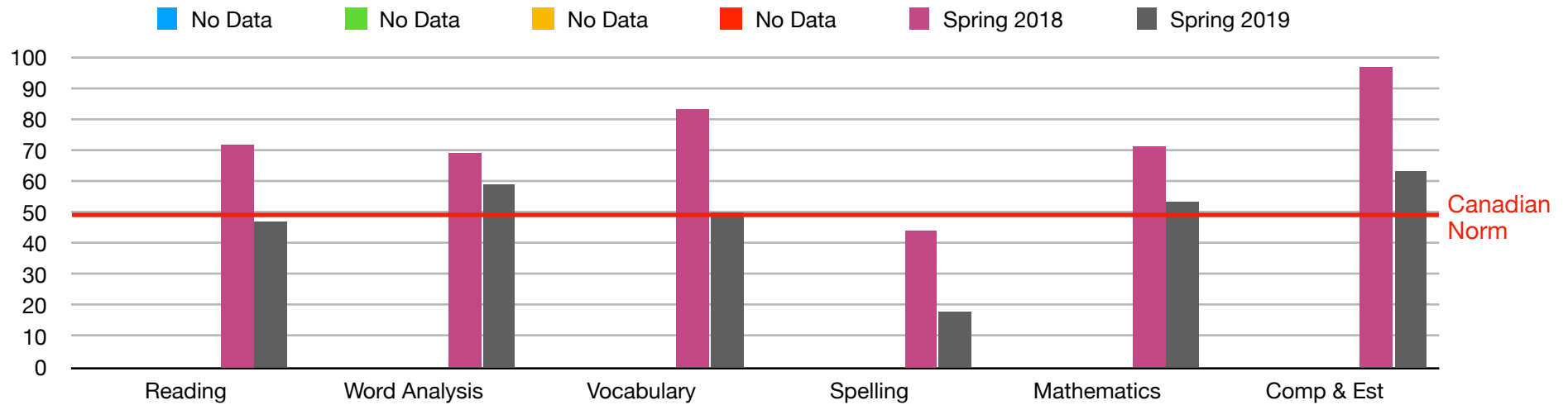
## GRADE 1 CLASS, SPRING 2014-2019

**Table 3: Grade 1 Students Tested**

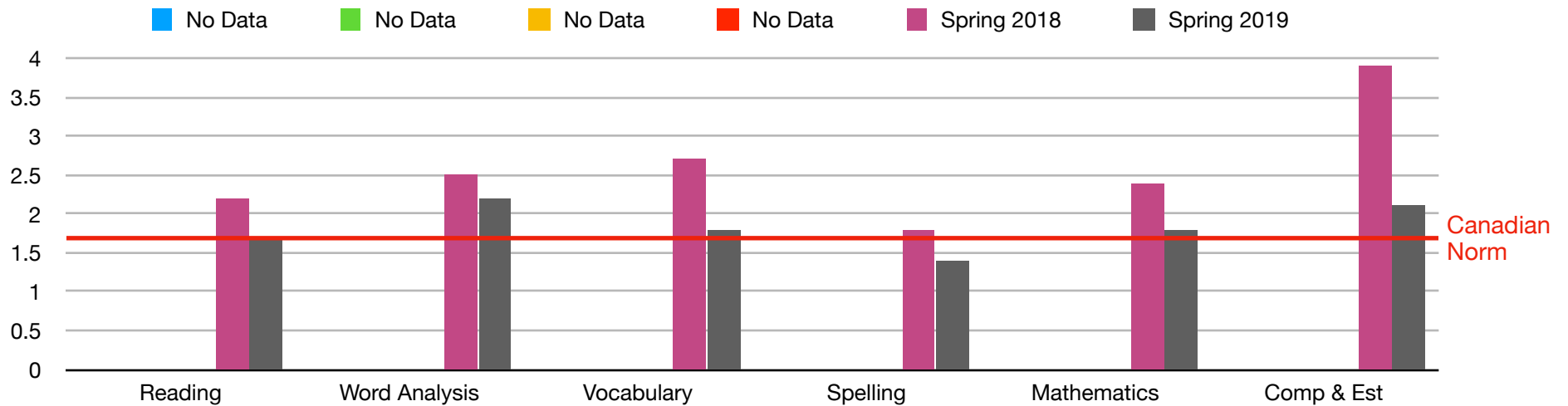
|              | 2014    | 2015    | 2016    | 2017    | 2018 | 2019 |
|--------------|---------|---------|---------|---------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | N/A     | N/A     | 3    | 2    |
| <b>GIRLS</b> | N/A     | N/A     | N/A     | N/A     | 2    | 3    |
| <b>TOTAL</b> | NO DATA | NO DATA | NO DATA | NO DATA | 5    | 5    |



**Figure 7: Percentage of Grade 1 Students at Stanine 4 and Above**



**Figure 8: Mean National Percentile Rank (Grade 1)**

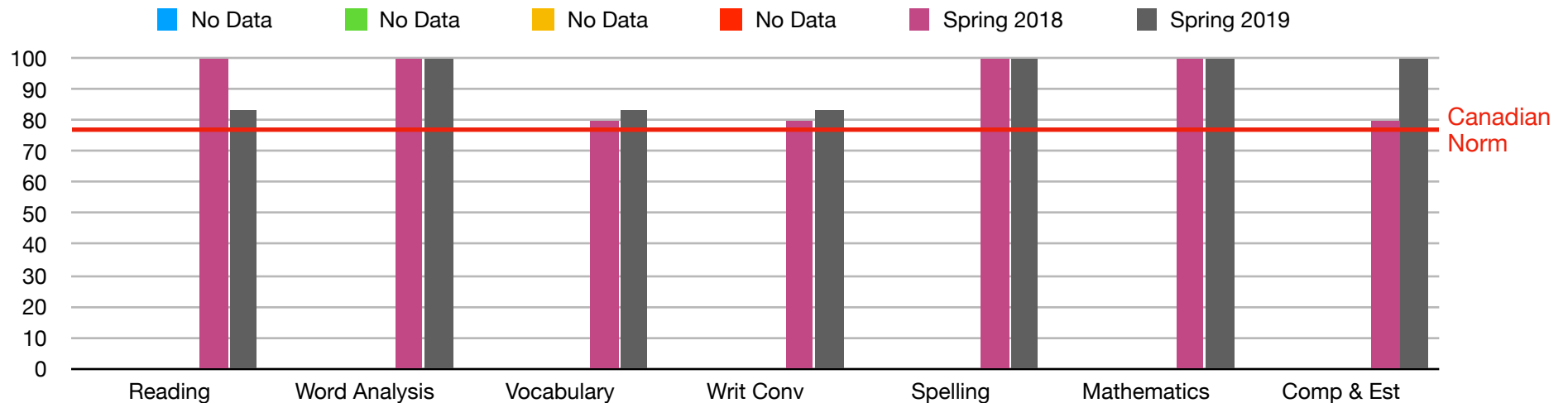


**Figure 9: Mean Grade Equivalent (Grade 1)**

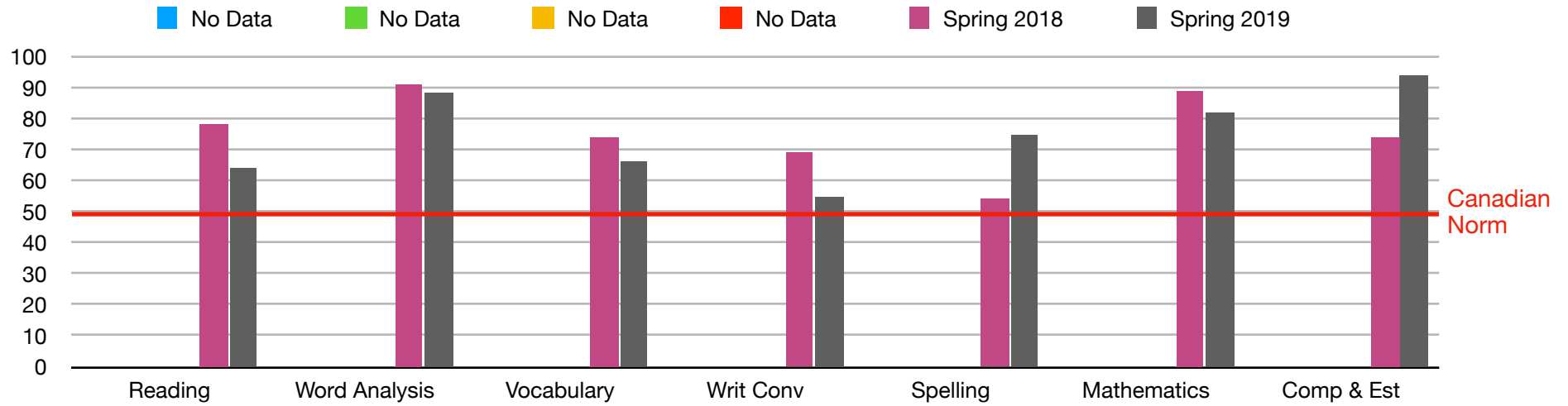
## GRADE 2 CLASS, SPRING 2014-2019

**Table 4: Grade 2 Students Tested**

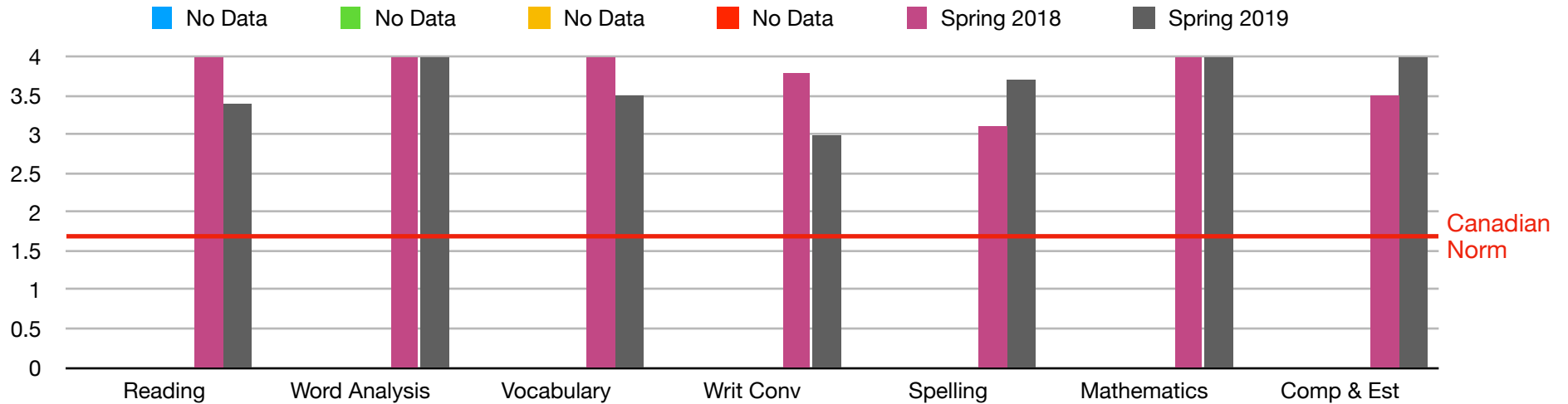
|              | 2014    | 2015    | 2016    | 2017    | 2018 | 2019 |
|--------------|---------|---------|---------|---------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | N/A     | N/A     | 2    | 5    |
| <b>GIRLS</b> | N/A     | N/A     | N/A     | N/A     | 3    | 1    |
| <b>TOTAL</b> | NO DATA | NO DATA | NO DATA | NO DATA | 5    | 6    |



**Figure 10: Percentage of Grade 2 Students at Stanine 4 and Above**



**Figure 11: Mean National Percentile Rank (Grade 2)**

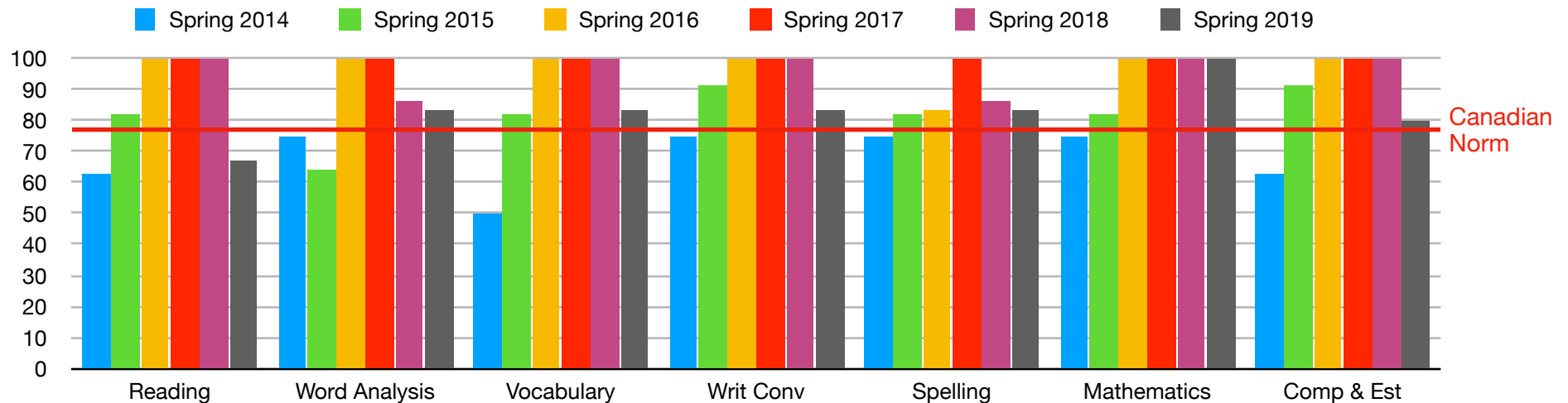


**Figure 12: Mean Grade Equivalent (Grade 2)**

## GRADE 3 CLASS, SPRING 2014-2019

**Table 5: Grade 3 Students Tested**

|              | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|------|------|------|------|------|------|
| <b>BOYS</b>  | 3    | 7    | 2    | 4    | 4    | 3    |
| <b>GIRLS</b> | 5    | 4    | 4    | 1    | 3    | 3    |
| <b>TOTAL</b> | 8    | 11   | 6    | 5    | 7    | 6    |



**Figure 13: Percentage of Grade 3 Students at Stanine 4 and Above**



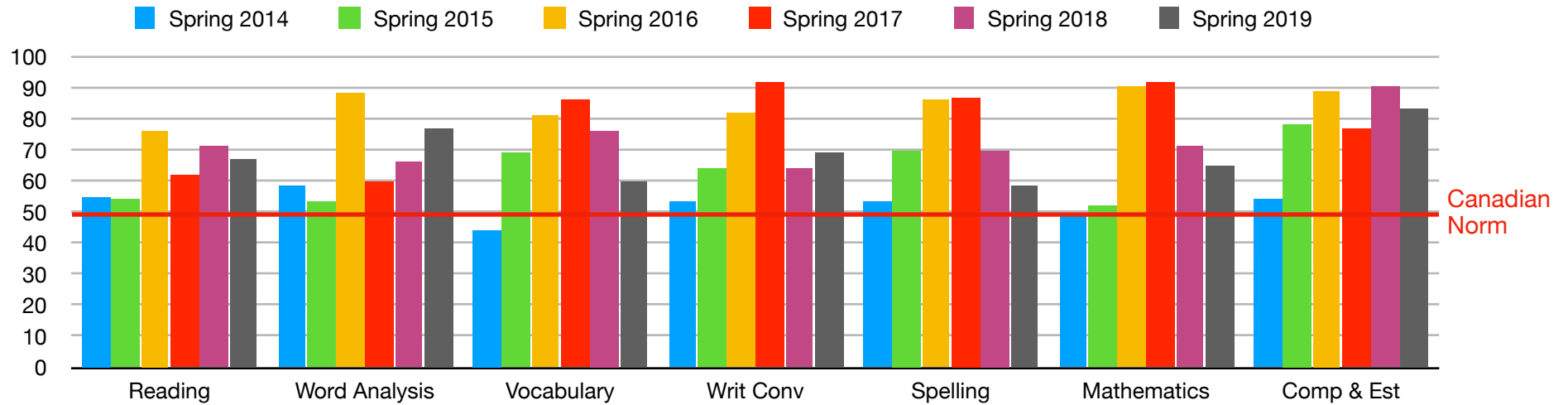


Figure 14: Mean National Percentile Rank (Grade 3)

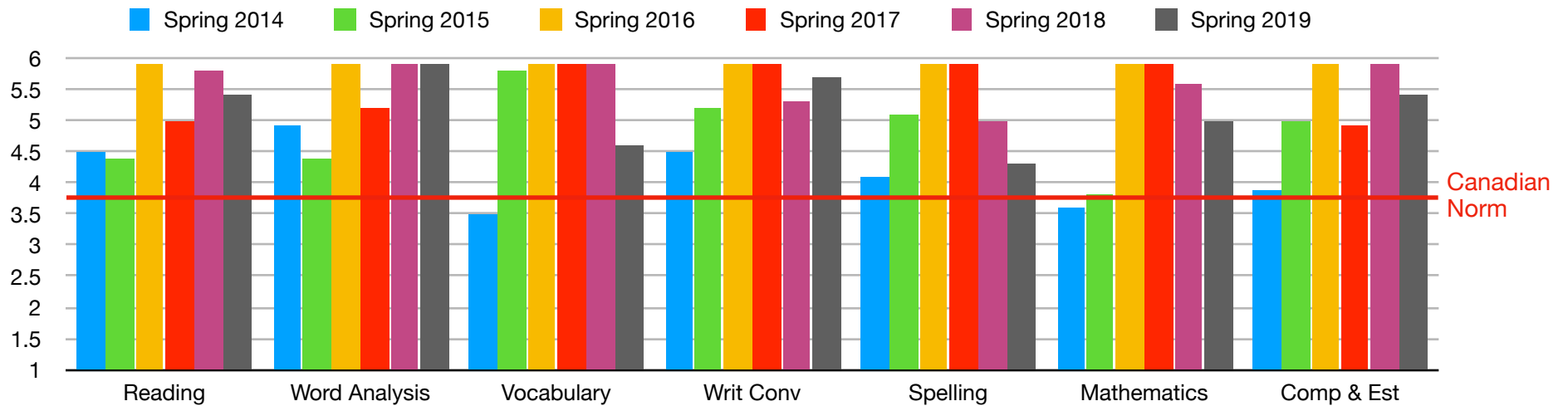
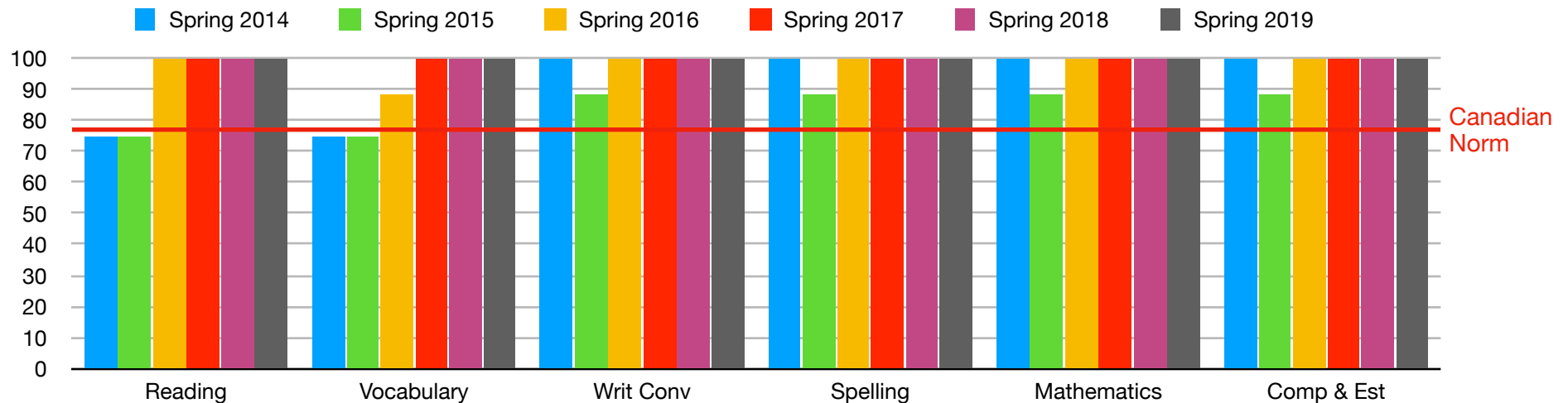


Figure 15: Mean Grade Equivalent (Grade 3)

## GRADE 4 CLASS, SPRING 2014-2019

**Table 6: Grade 4 Students Tested**

|              | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|------|------|------|------|------|------|
| <b>BOYS</b>  | 4    | 3    | 5    | 1    | 2    | 4    |
| <b>GIRLS</b> | 0    | 5    | 3    | 4    | 1    | 1    |
| <b>TOTAL</b> | 4    | 8    | 8    | 5    | 3    | 5    |



**Figure 16: Percentage of Grade 4 Students at Stanine 4 and Above**

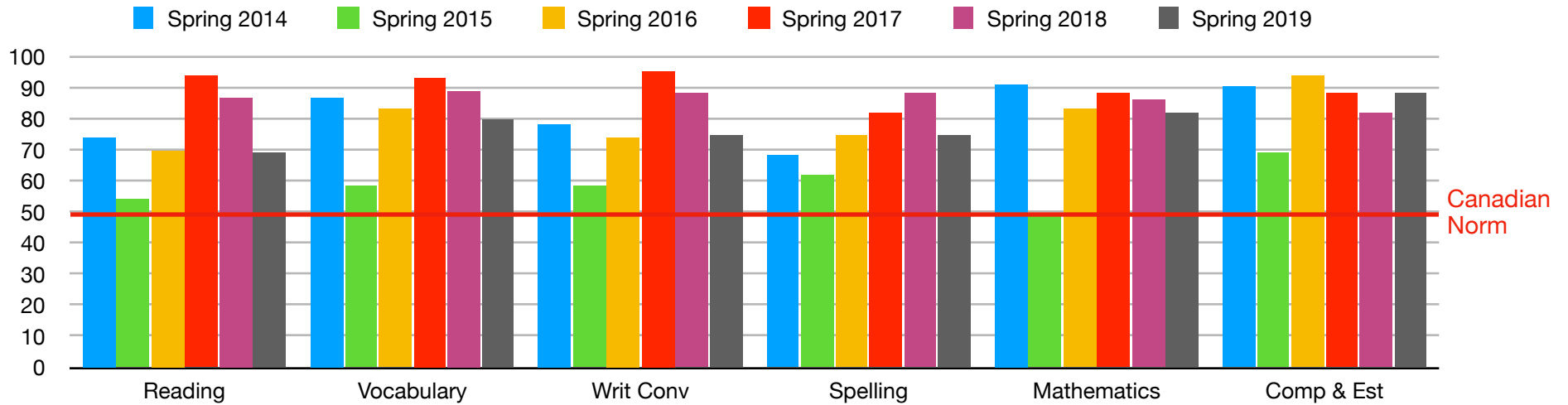


Figure 17: Mean National Percentile Rank (Grade 4)

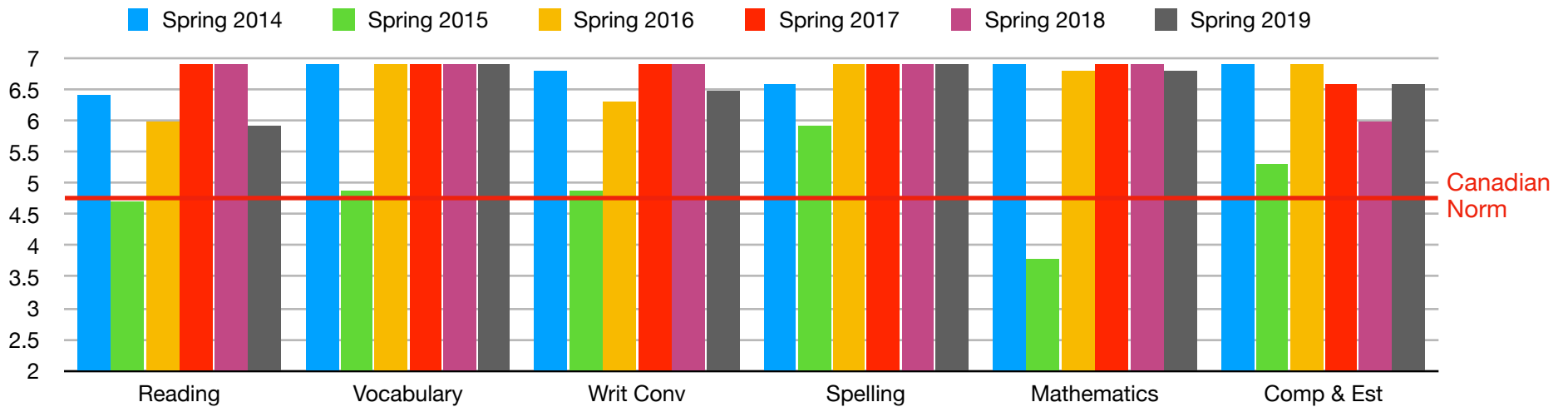
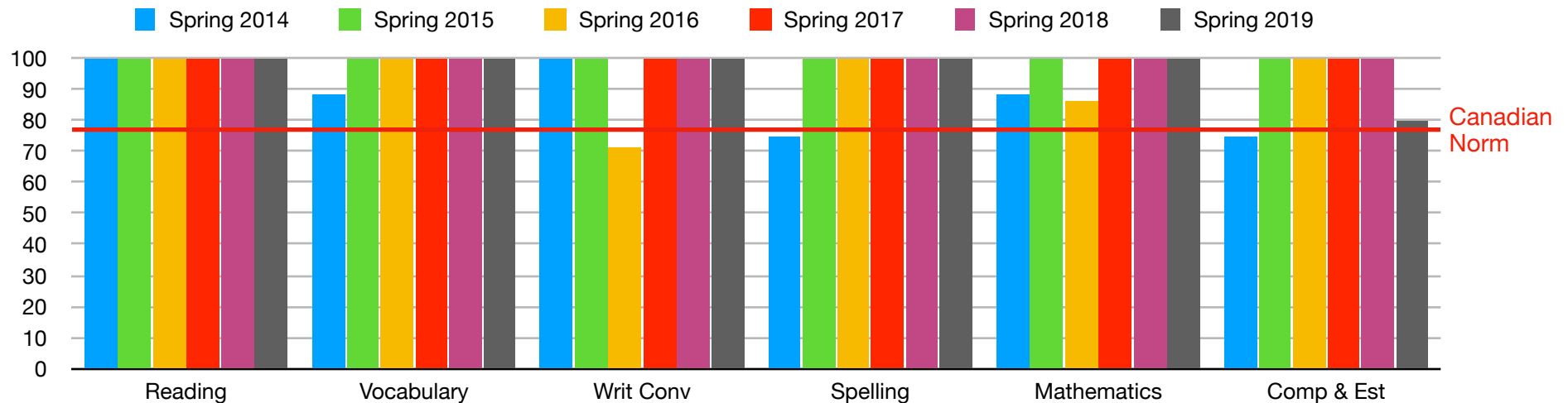


Figure 18: Mean Grade Equivalent (Grade 4)

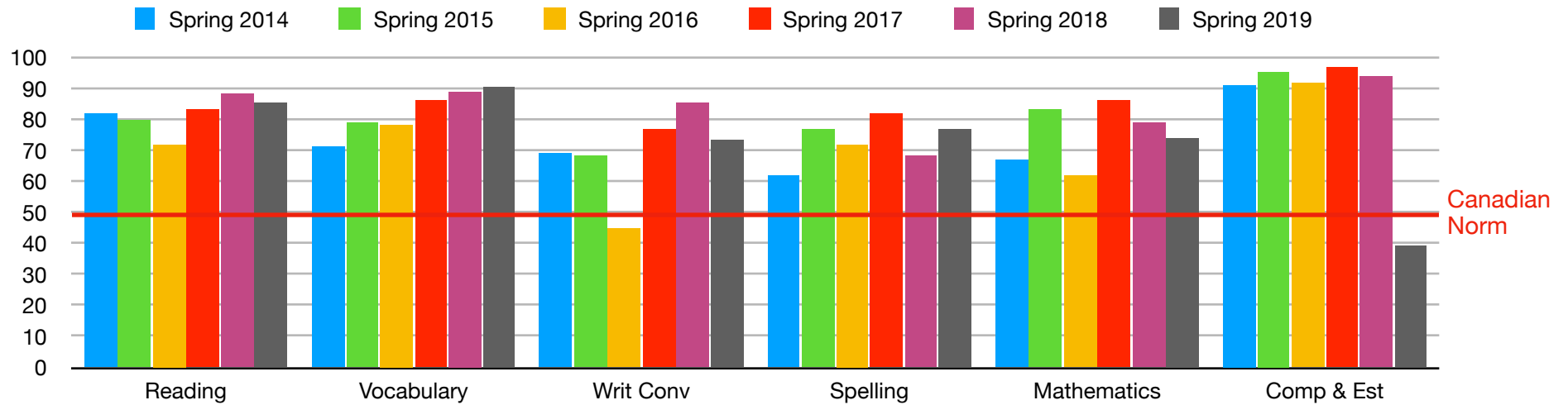
## GRADE 5 CLASS, SPRING 2014-2019

**Table 7: Grade 5 Students Tested**

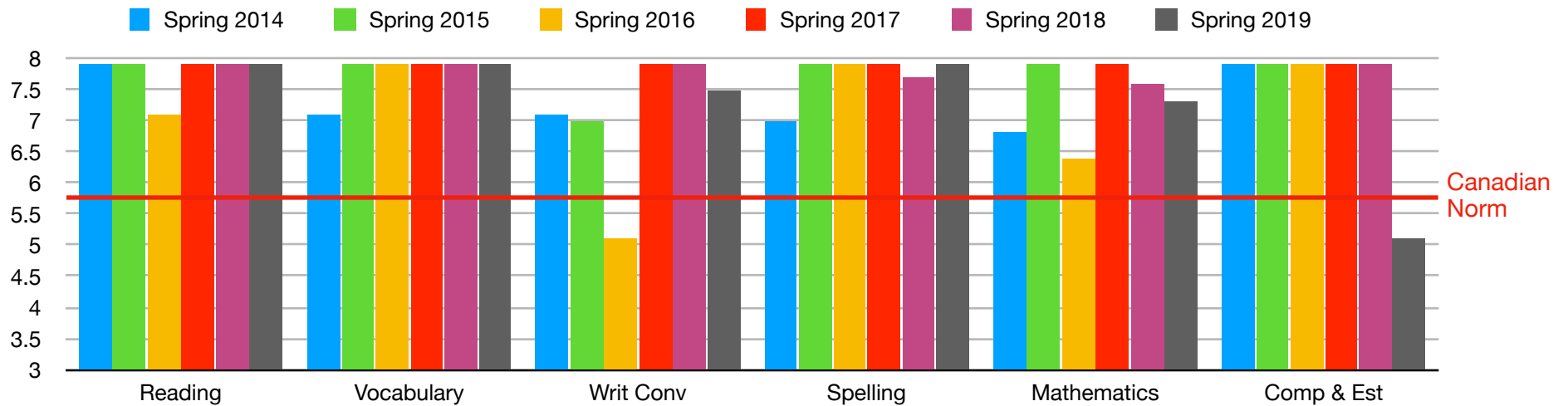
|              | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|------|------|------|------|------|------|
| <b>BOYS</b>  | 3    | 5    | 2    | 2    | 1    | 4    |
| <b>GIRLS</b> | 5    | 1    | 5    | 5    | 4    | 1    |
| <b>TOTAL</b> | 8    | 6    | 7    | 7    | 5    | 5    |



**Figure 19: Percentage of Grade 5 Students at Stanine 4 and Above**



**Figure 20: Mean National Percentile Rank (Grade 5)**

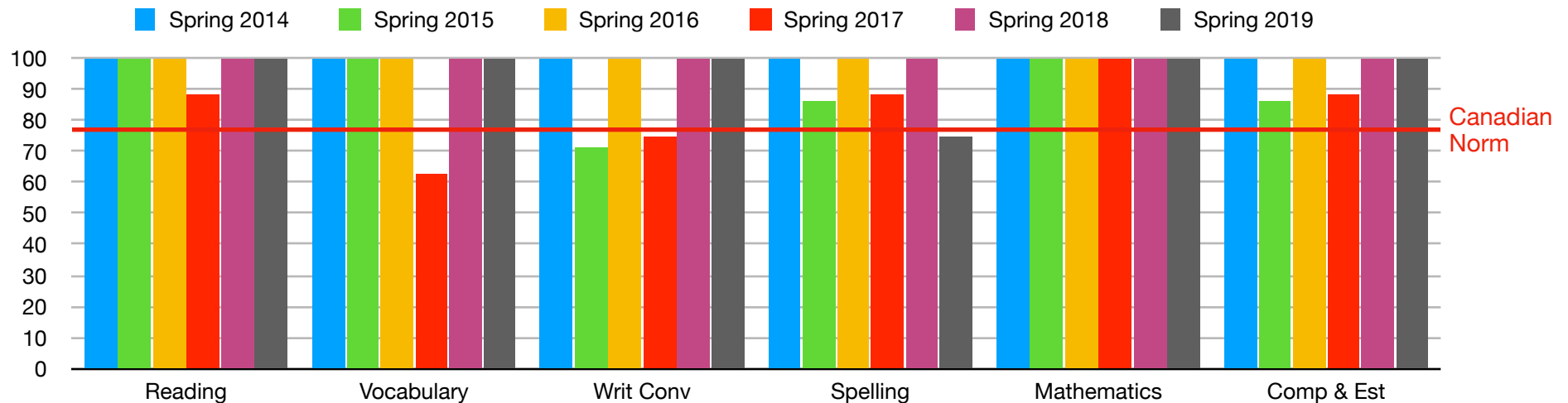


**Figure 21: Mean Grade Equivalent (Grade 5)**

## GRADE 6 CLASS, SPRING 2014-2019

**Table 8: Grade 6 Students Tested**

|              | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|------|------|------|------|------|------|
| <b>BOYS</b>  | 2    | 3    | 5    | 2    | 2    | 0    |
| <b>GIRLS</b> | 0    | 4    | 1    | 6    | 4    | 4    |
| <b>TOTAL</b> | 2    | 7    | 6    | 8    | 6    | 4    |



**Figure 22: Percentage of Grade 6 Students at Stanine 4 and Above**

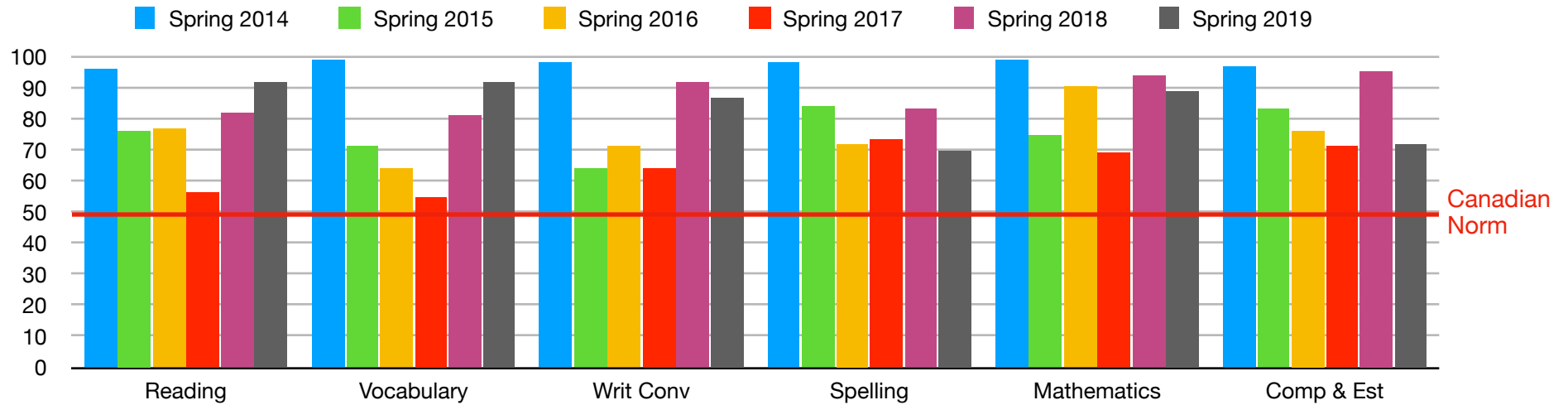


Figure 23: Mean National Percentile Rank (Grade 6)

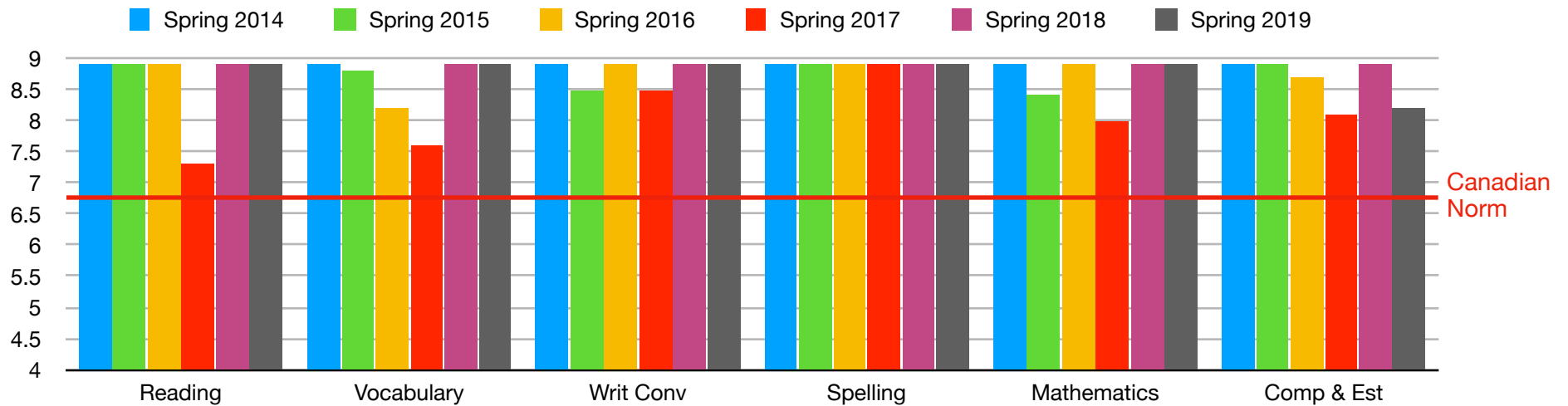


Figure 24: Mean Grade Equivalent (Grade 6)

## GRADE 7 CLASS, SPRING 2014-2019

Table 9: Grade 7 Students Tested

|              | 2014    | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|---------|------|------|------|------|------|
| <b>BOYS</b>  | N/A     | 2    | 3    | 2    | 1    | 3    |
| <b>GIRLS</b> | N/A     | 2    | 4    | 1    | 6    | 4    |
| <b>TOTAL</b> | NO DATA | 4    | 7    | 3    | 7    | 7    |

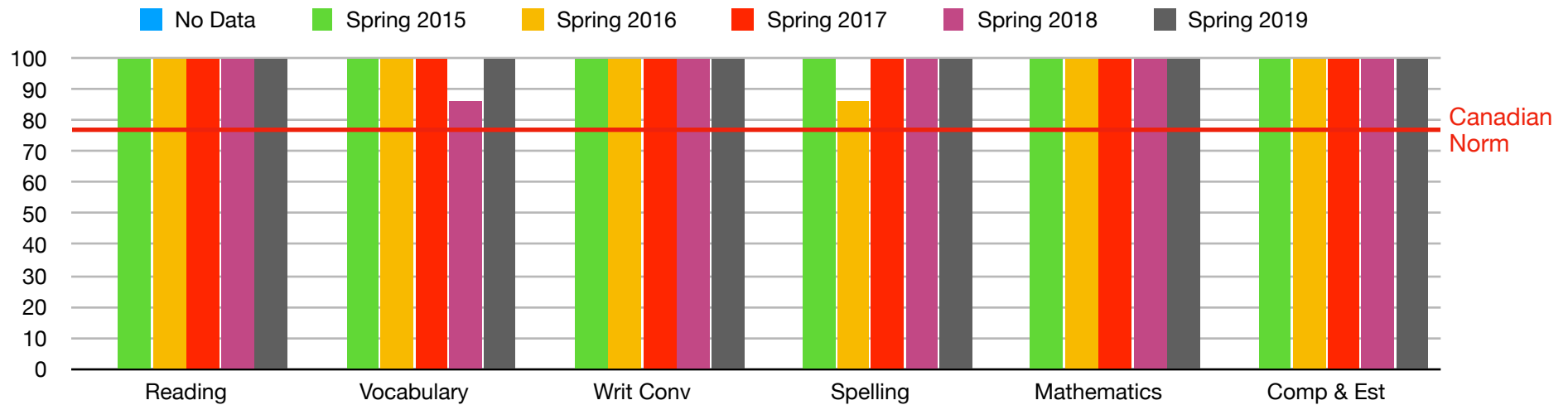


Figure 25: Percentage of Grade 7 Students at Stanine 4 and Above



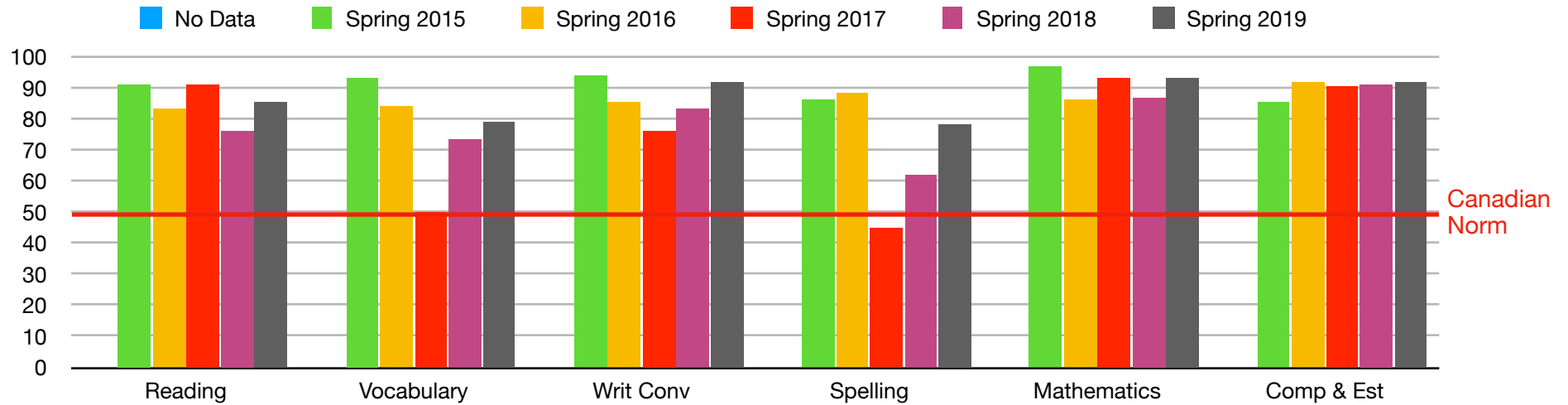


Figure 26: Mean National Percentile Rank (Grade 7)

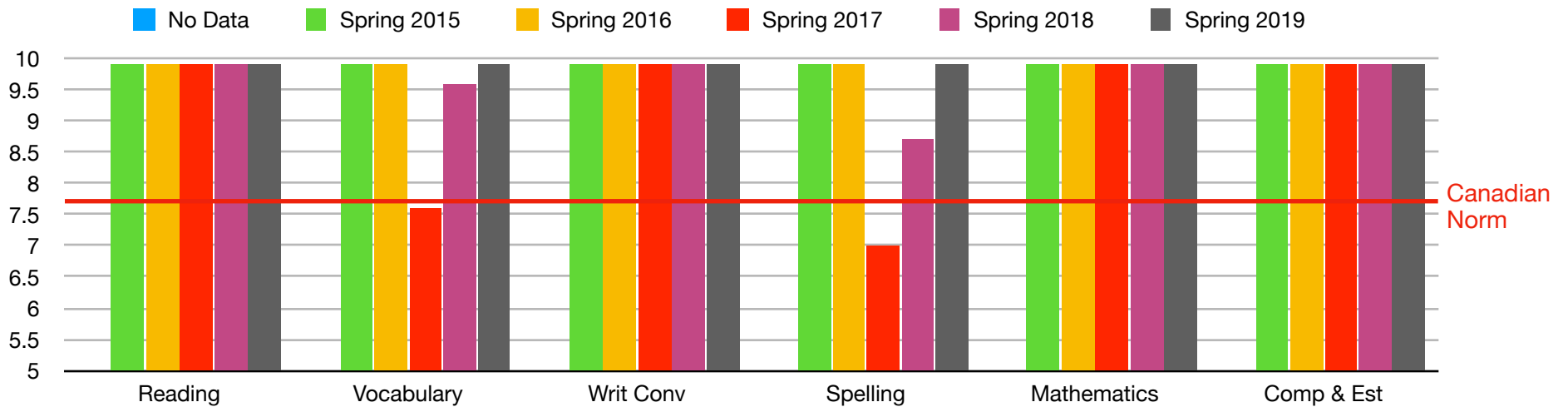


Figure 27: Mean Grade Equivalent (Grade 7)

## GRADE 8 CLASS, SPRING 2014-2019

Table 10: Grade 8 Students Tested

|              | 2014    | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|---------|------|------|------|------|------|
| <b>BOYS</b>  | N/A     | 4    | 2    | 4    | 3    | 0    |
| <b>GIRLS</b> | N/A     | 0    | 2    | 3    | 1    | 5    |
| <b>TOTAL</b> | NO DATA | 4    | 4    | 7    | 4    | 5    |

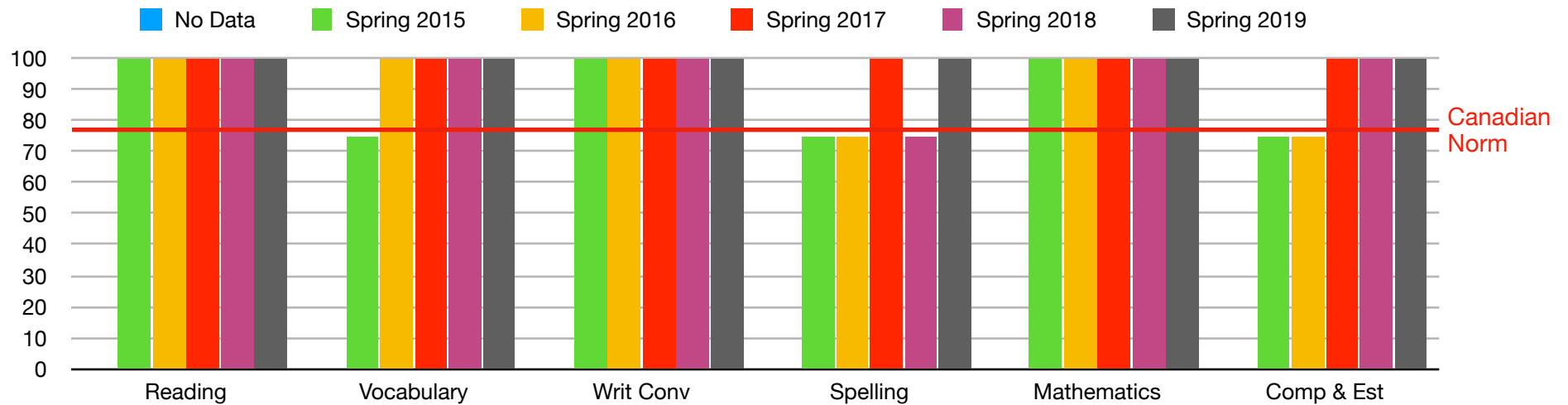


Figure 28: Percentage of Grade 8 Students at Stanine 4 and Above

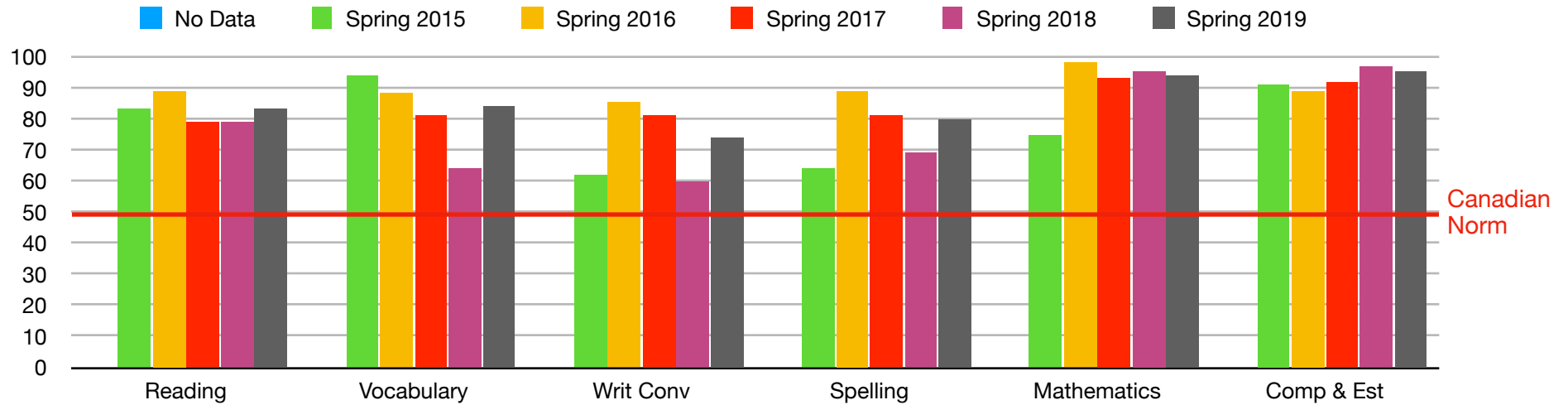


Figure 29: Mean National Percentile Rank (Grade 8)

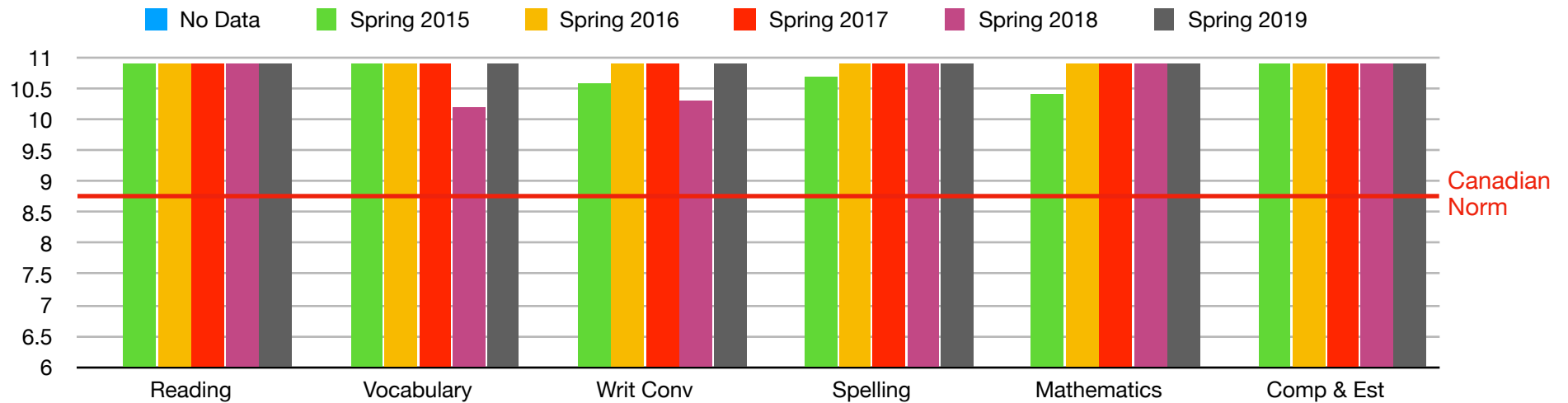


Figure 30: Mean Grade Equivalent (Grade 8)



## **SECTION III: COMPARATIVE RESULTS BY STUDENT COHORT**

## CLASS OF 2019 (CURRENT GRADE 8), SPRING 2014-2019

Table 11: Students Tested (Class of 2019)

|              | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|------|------|------|------|------|------|
| <b>BOYS</b>  | 3    | 3    | 2    | 2    | 1    | 0    |
| <b>GIRLS</b> | 5    | 5    | 5    | 6    | 6    | 5    |
| <b>TOTAL</b> | 8    | 8    | 7    | 8    | 7    | 5    |

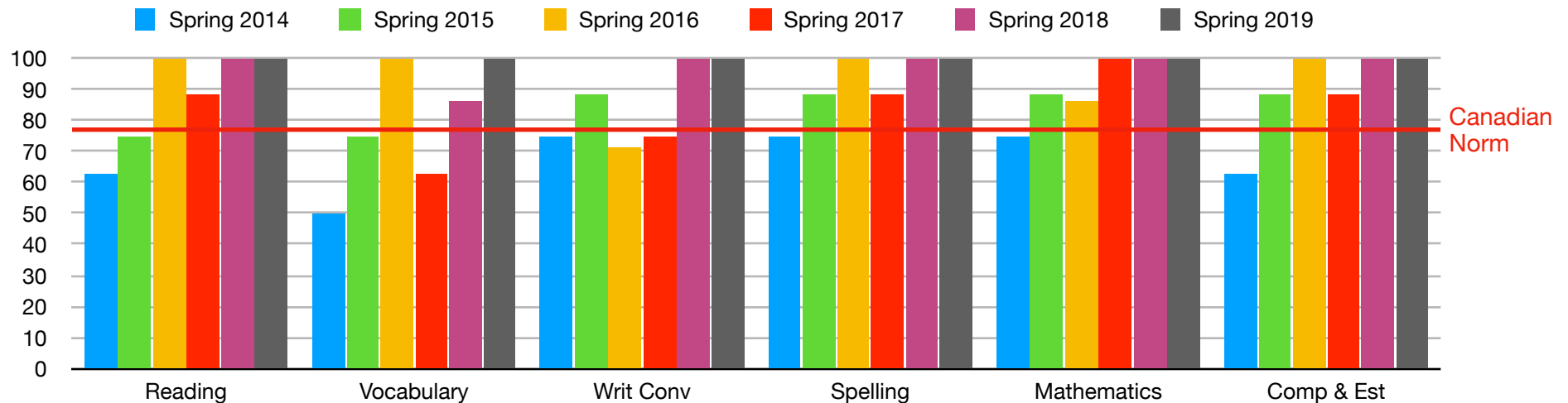


Figure 31: Percentage of Students at Stanine 4 and Above (Class of 2019)

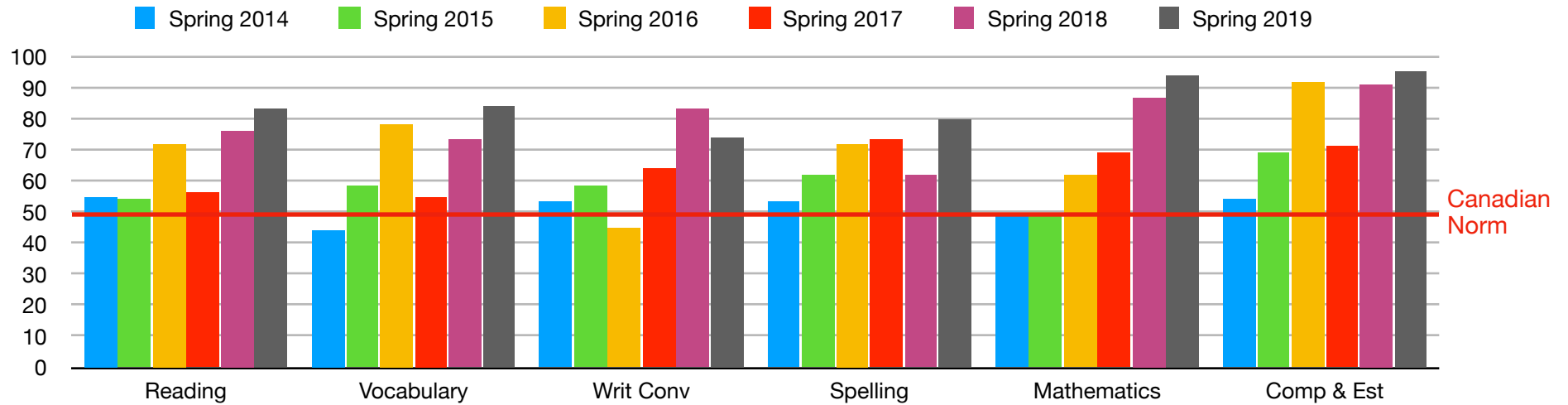


Figure 32: Mean National Percentile Rank (Class of 2019)

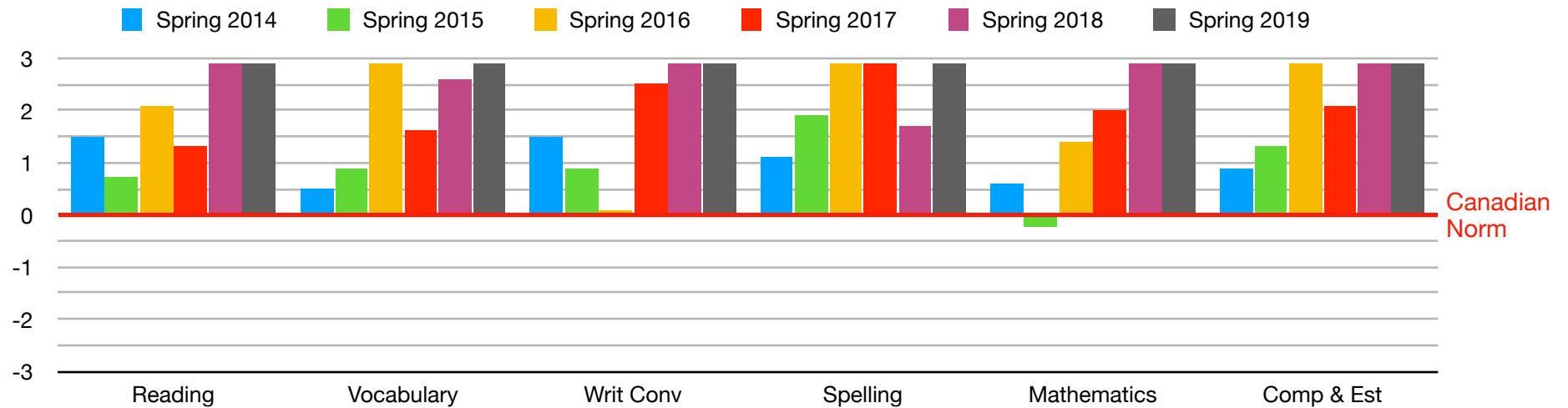


Figure 33: Mean Grade Equivalent (Class of 2019)

## CLASS OF 2020 (CURRENT GRADE 7), SPRING 2014-2019

Table 12: Students Tested (Class of 2020)

|              | 2014    | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|---------|------|------|------|------|------|
| <b>BOYS</b>  | N/A     | 7    | 5    | 3    | 2    | 3    |
| <b>GIRLS</b> | N/A     | 4    | 3    | 4    | 4    | 4    |
| <b>TOTAL</b> | NO DATA | 11   | 8    | 7    | 6    | 7    |

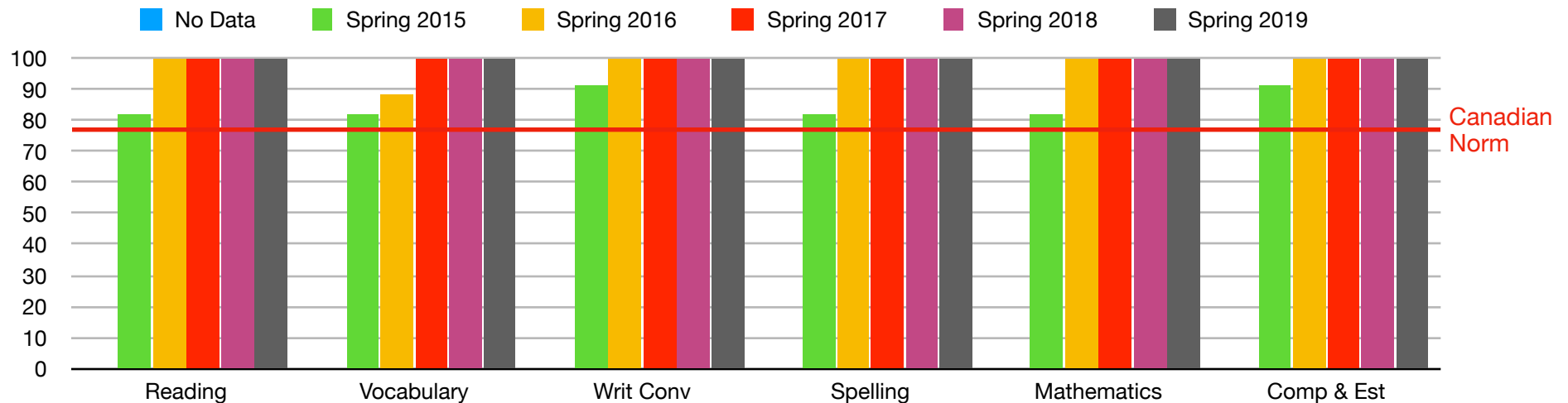


Figure 34: Percentage of Students at Stanine 4 and Above (Class of 2020)



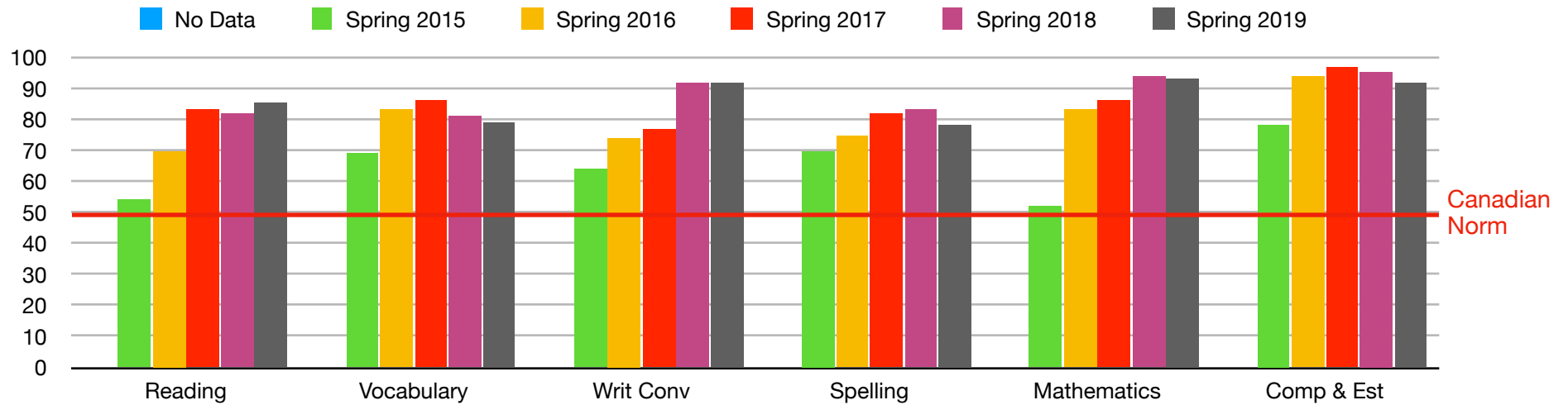


Figure 35: Mean National Percentile Rank (Class of 2020)

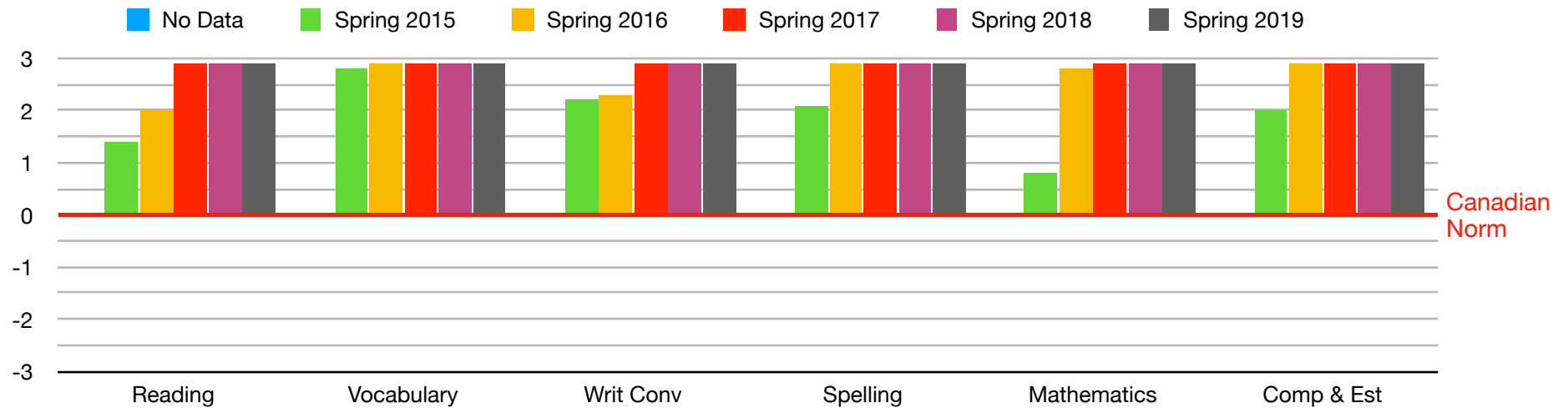


Figure 36: Mean Grade Equivalent (Class of 2020)

## CLASS OF 2021 (CURRENT GRADE 6), SPRING 2014-2019

Table 13: Students Tested (Class of 2021)

|              | 2014    | 2015    | 2016 | 2017 | 2018 | 2019 |
|--------------|---------|---------|------|------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | 2    | 1    | 1    | 0    |
| <b>GIRLS</b> | N/A     | N/A     | 4    | 4    | 4    | 4    |
| <b>TOTAL</b> | NO DATA | NO DATA | 6    | 5    | 5    | 4    |

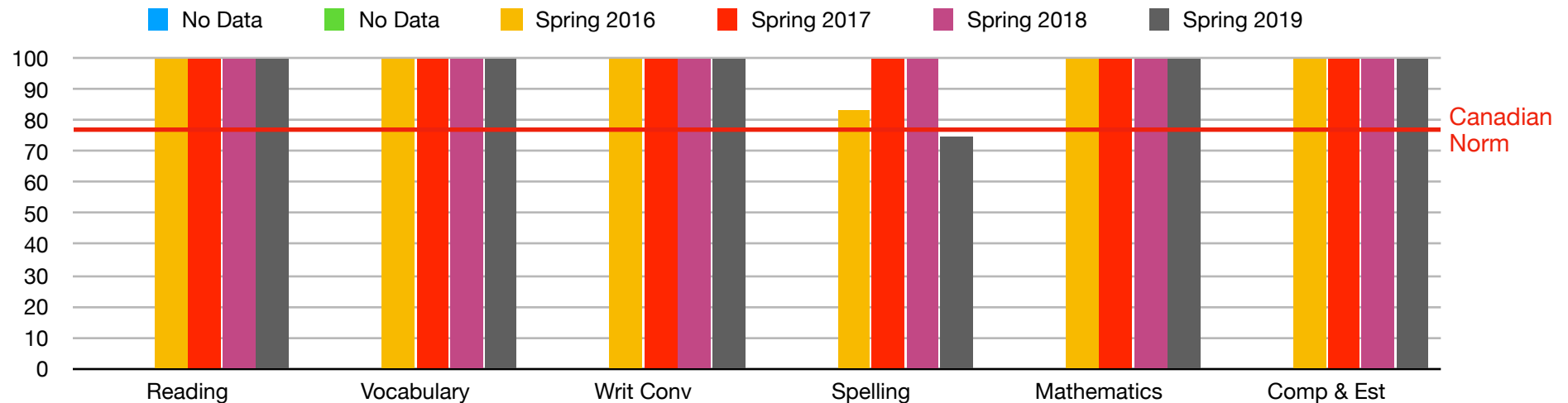


Figure 37: Percentage of Students at Stanine 4 and Above (Class of 2021)

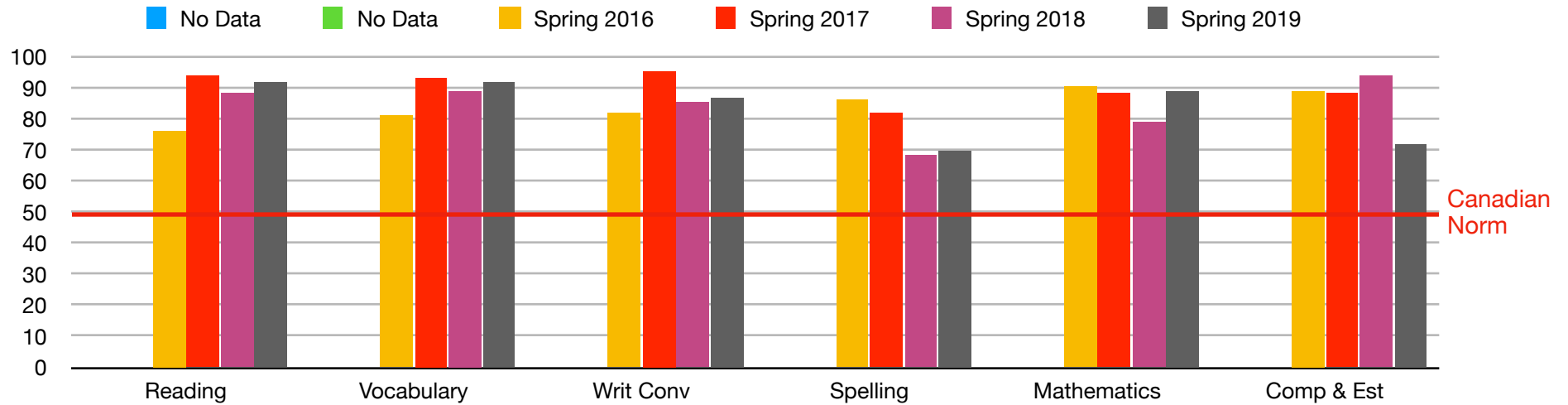


Figure 38: Mean National Percentile Rank (Class of 2021)

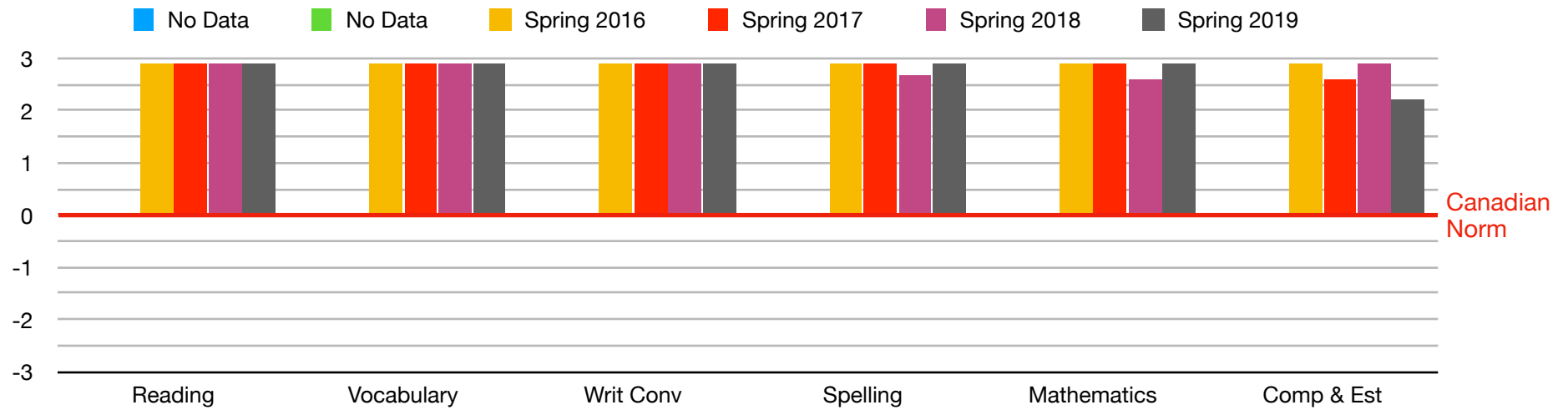


Figure 39: Mean Grade Equivalent (Class of 2021)

## CLASS OF 2022 (CURRENT GRADE 5), SPRING 2014-2019

Table 14: Students Tested (Class of 2022)

|              | 2014    | 2015    | 2016    | 2017 | 2018 | 2019 |
|--------------|---------|---------|---------|------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | N/A     | 4    | 2    | 4    |
| <b>GIRLS</b> | N/A     | N/A     | N/A     | 1    | 1    | 1    |
| <b>TOTAL</b> | NO DATA | NO DATA | NO DATA | 5    | 3    | 5    |

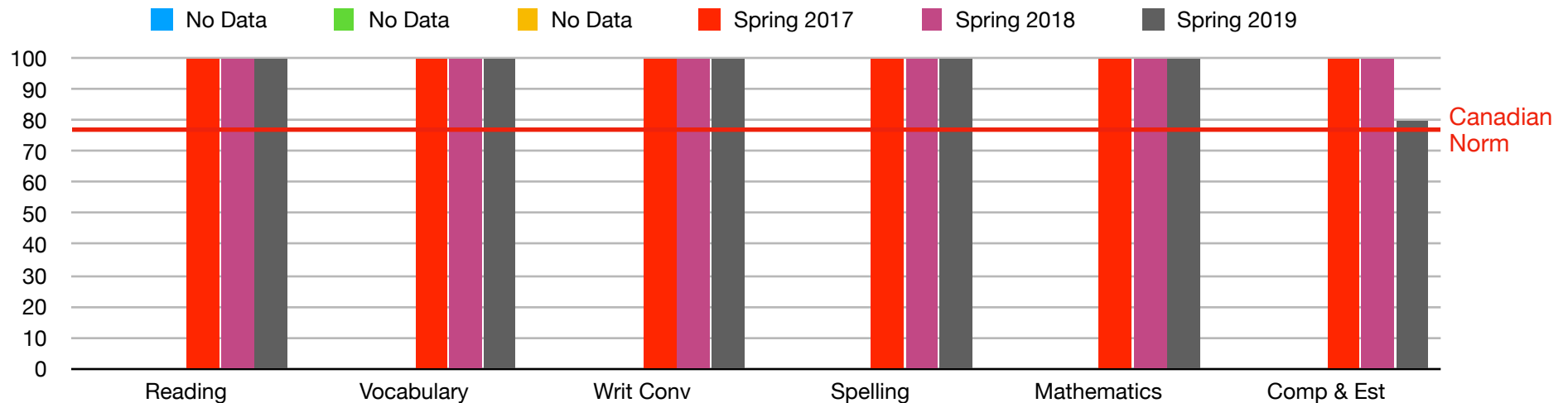
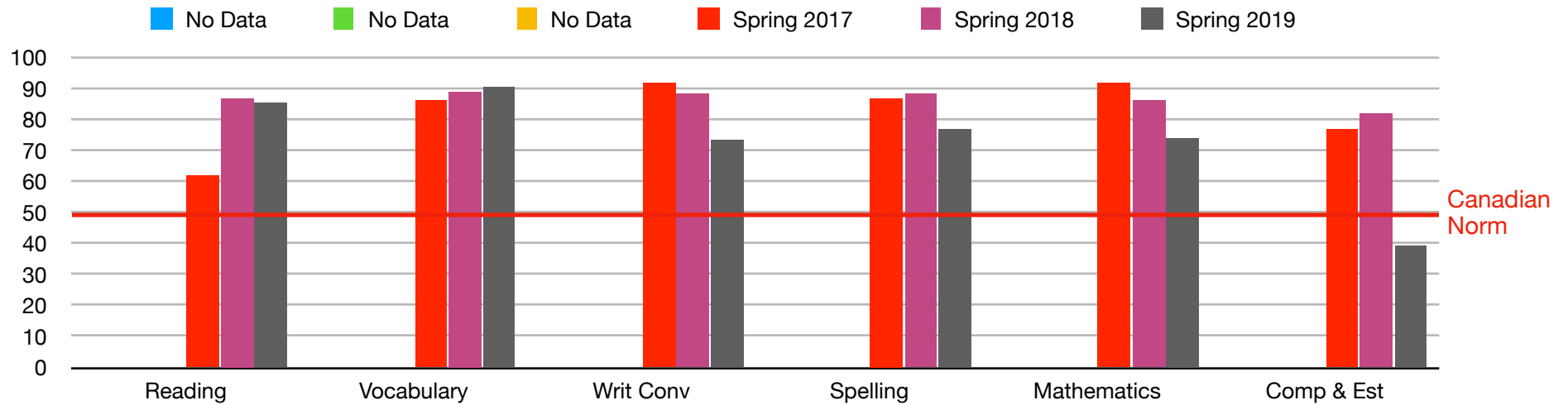
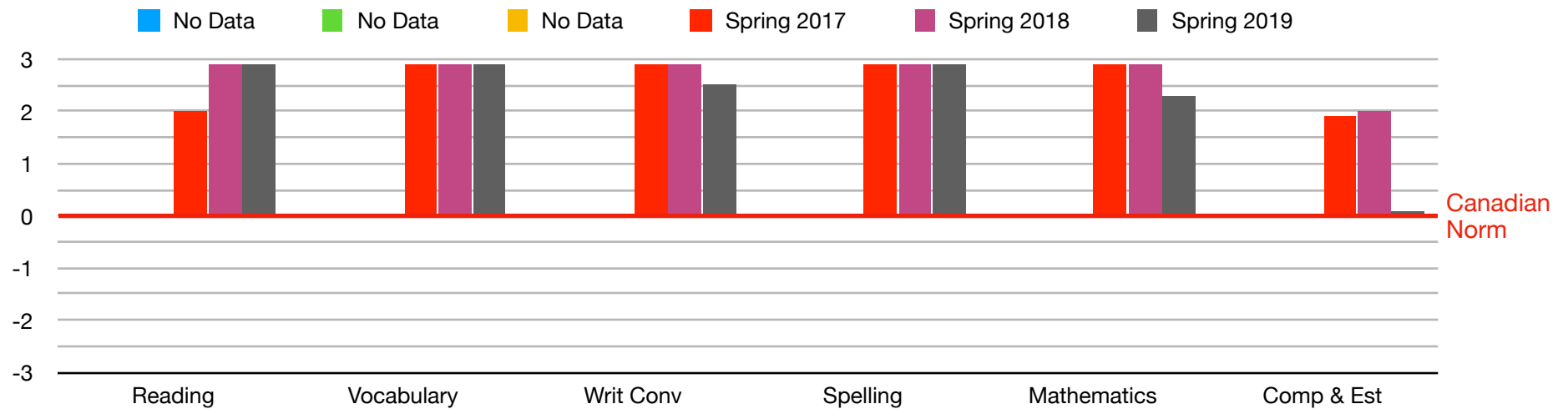


Figure 40: Percentage of Students at Stanine 4 and Above (Class of 2022)



**Figure 41: Mean National Percentile Rank (Class of 2022)**



**Figure 42: Mean Grade Equivalent (Class of 2022)**

## CLASS OF 2023 (CURRENT GRADE 4), SPRING 2014-2019

Table 15: Students Tested (Class of 2023)

|              | 2014    | 2015    | 2016    | 2017    | 2018 | 2019 |
|--------------|---------|---------|---------|---------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | N/A     | N/A     | 4    | 4    |
| <b>GIRLS</b> | N/A     | N/A     | N/A     | N/A     | 3    | 1    |
| <b>TOTAL</b> | NO DATA | NO DATA | NO DATA | NO DATA | 7    | 5    |

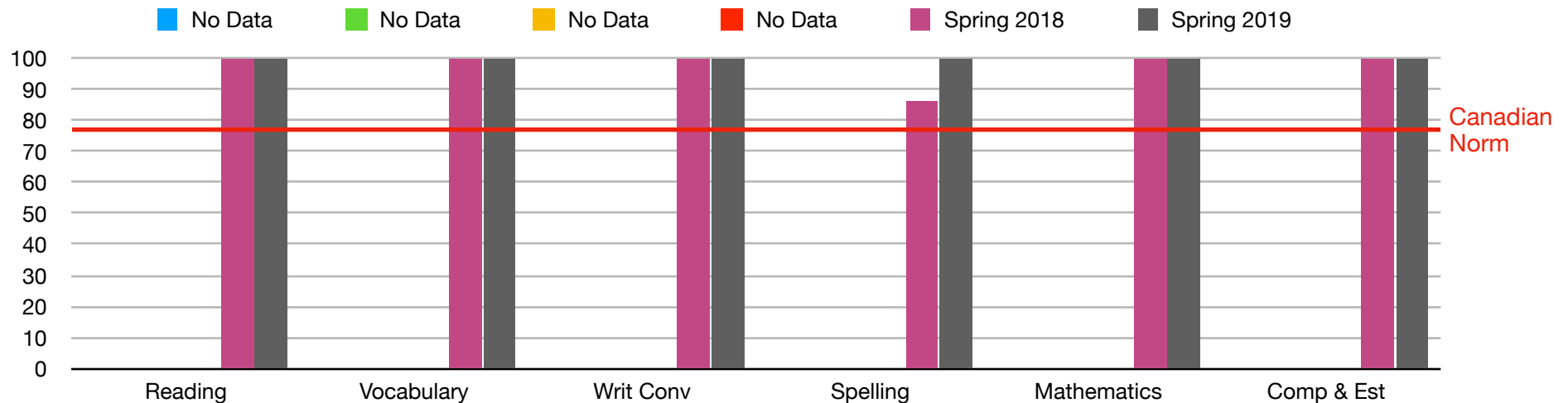
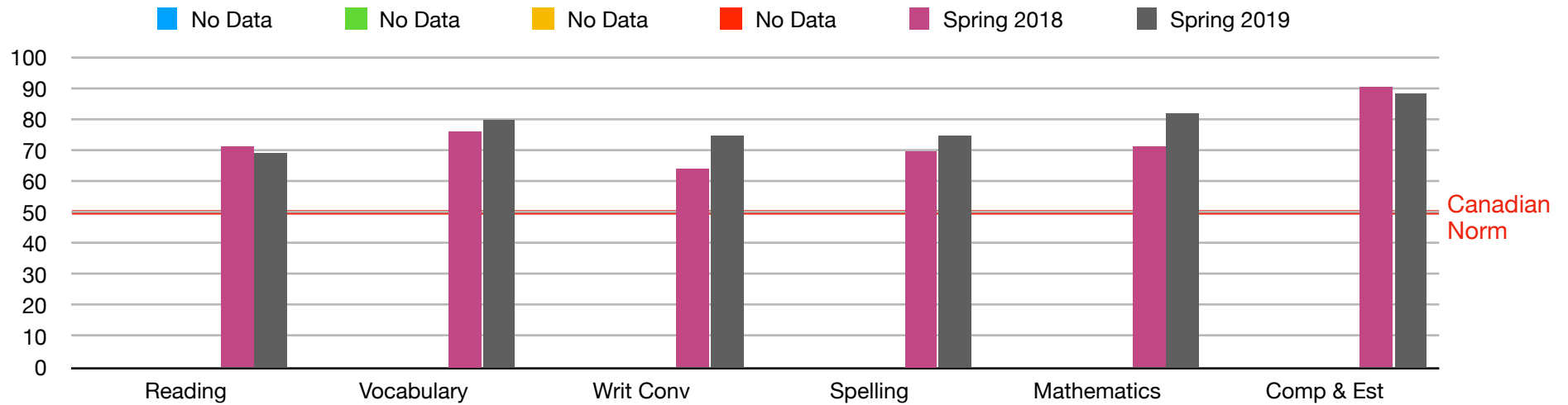
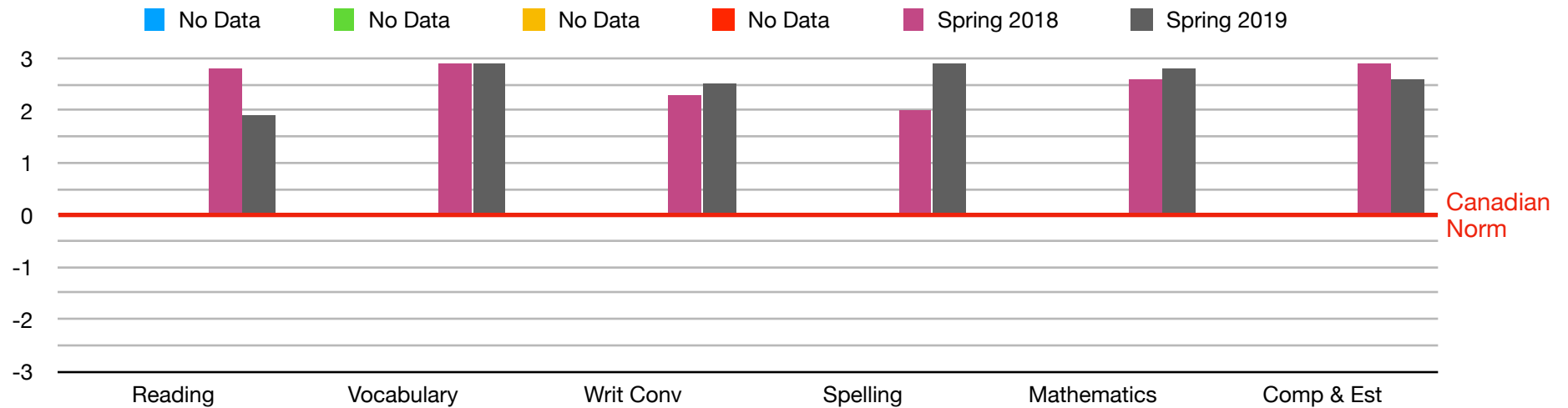


Figure 43: Percentage of Students at Stanine 4 and Above (Class of 2023)



**Figure 44: Mean National Percentile Rank (Class of 2023)**



**Figure 45: Mean Grade Equivalent (Class of 2023)**

## CLASS OF 2024 (CURRENT GRADE 3), SPRING 2014-2019

Table 16: Students Tested (Class of 2023)

|              | 2014    | 2015    | 2016    | 2017    | 2018 | 2019 |
|--------------|---------|---------|---------|---------|------|------|
| <b>BOYS</b>  | N/A     | N/A     | N/A     | N/A     | 4    | 3    |
| <b>GIRLS</b> | N/A     | N/A     | N/A     | N/A     | 3    | 3    |
| <b>TOTAL</b> | NO DATA | NO DATA | NO DATA | NO DATA | 7    | 6    |

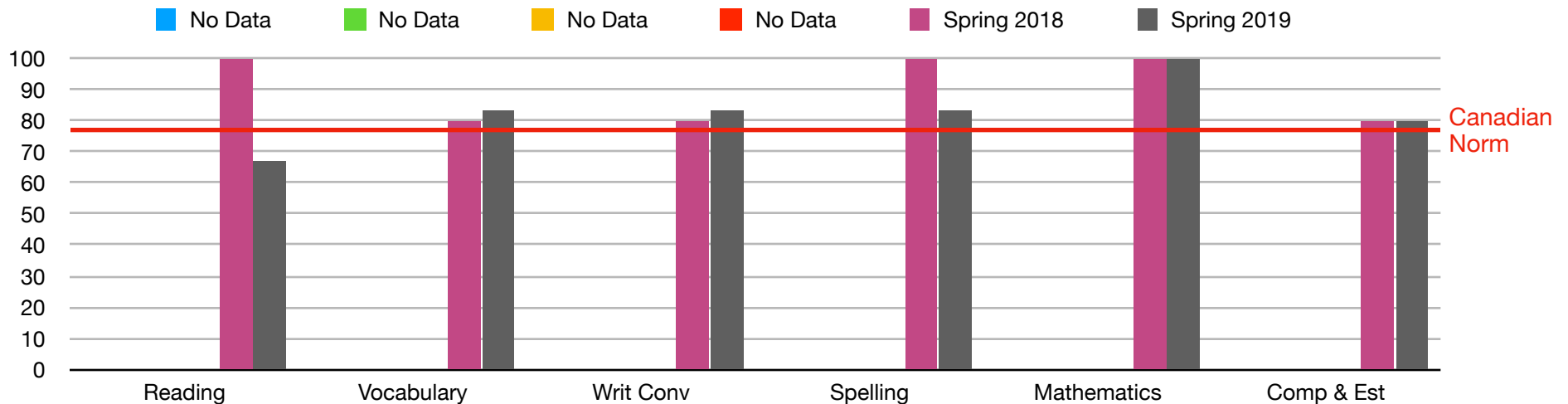
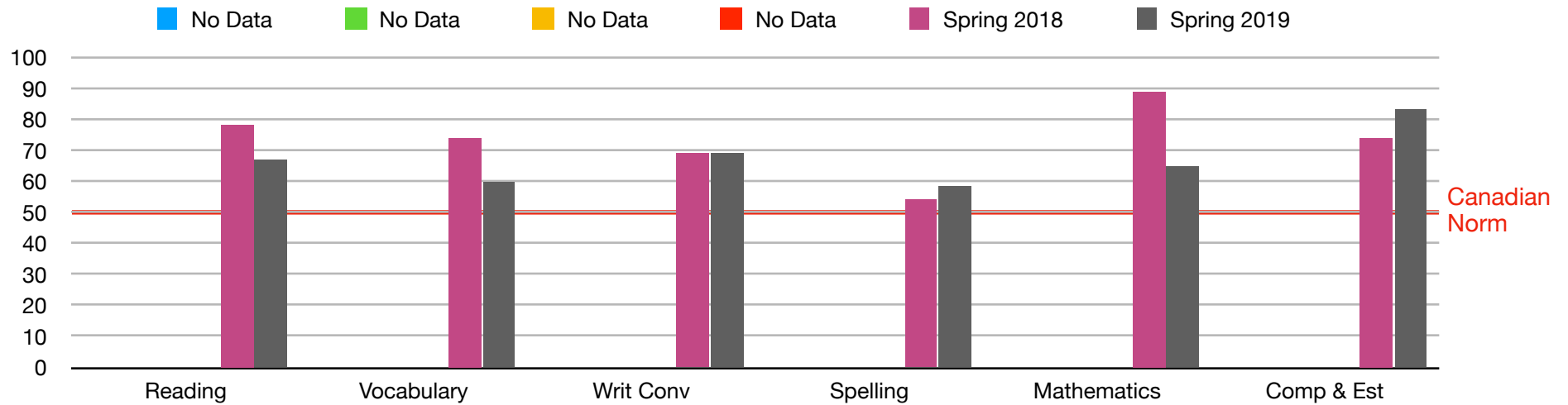
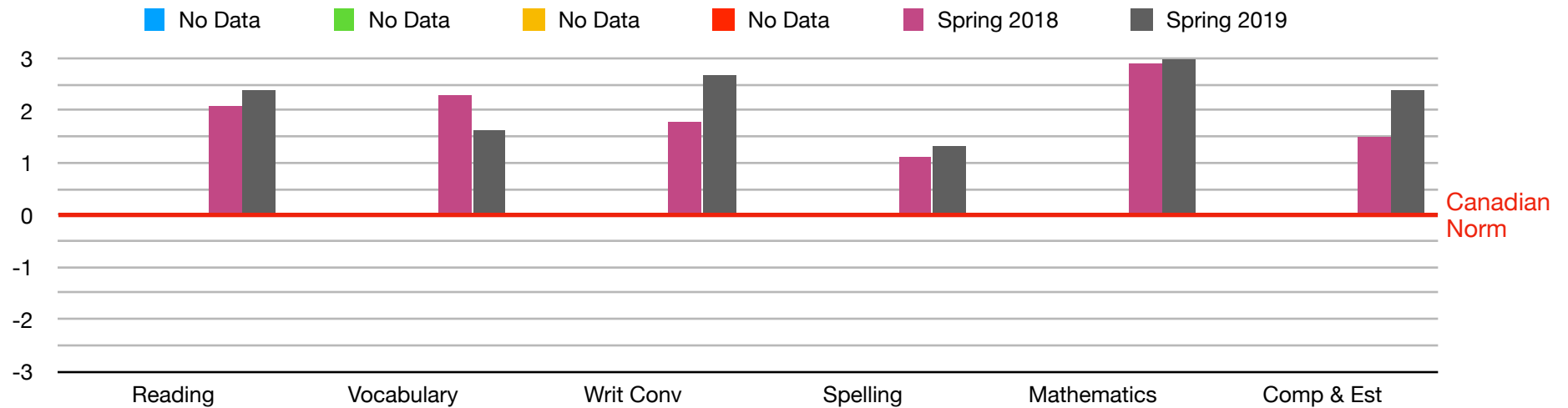


Figure 46: Percentage of Students at Stanine 4 and Above (Class of 2024)





**Figure 47: Mean National Percentile Rank (Class of 2024)**



**Figure 48: Mean Grade Equivalent (Class of 2024)**