

Beginning of Year (BOY) 2021 Literacy and Mathematics Screening Data

BOE Student Achievement Meeting
November 10, 2201



BPS screening, Diagnostic, & Interim Assessment Tools

Universal Screening Tools:

- iStation (PK Literacy and Mathematics)
- iReady (Mathematics)
- DIBELS 8 (Literacy)

Diagnostic:

- iReady (Mathematics)
- Phonological Awareness Screening Test (PAST), Orton Gillingham Level 1-3 Assessments (Literacy)

Interim: RFP

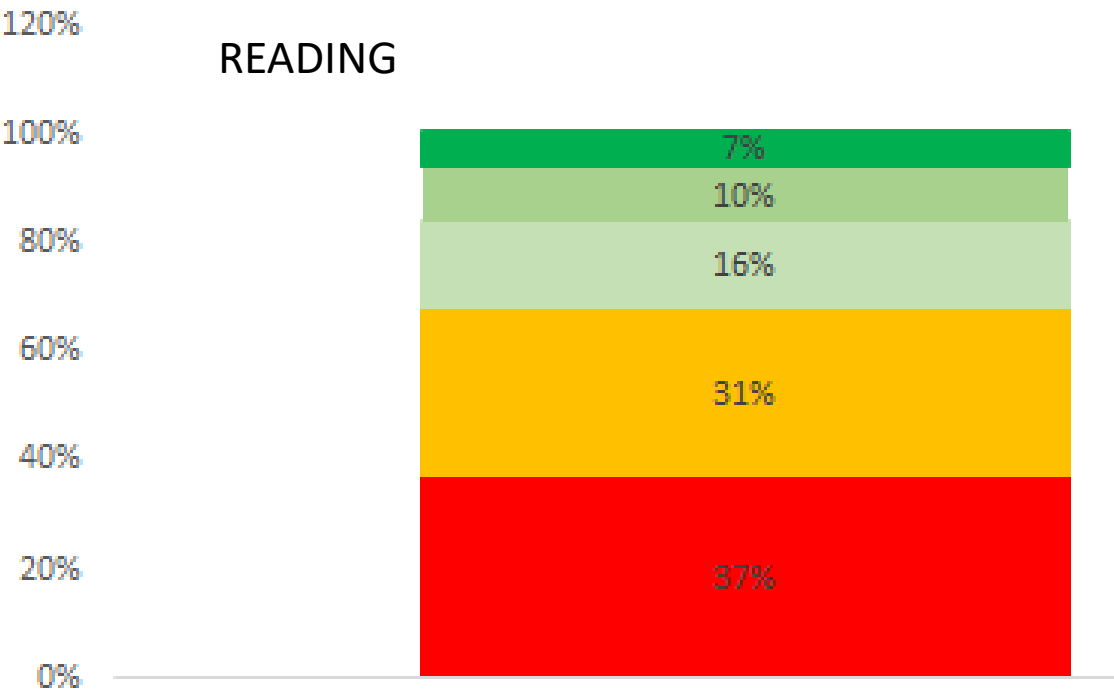


PK iStation BOY Data

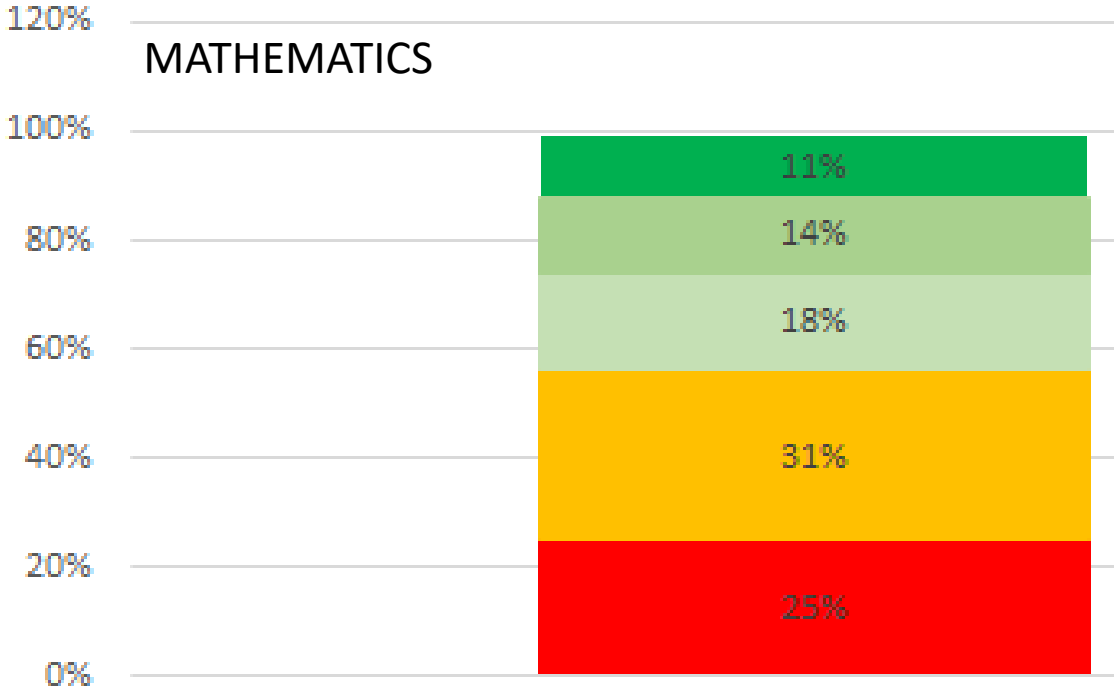
Students are considered kindergarten ready if they test within Levels 3-5 on both iStation literacy and mathematics screening measures.



READING



MATHEMATICS



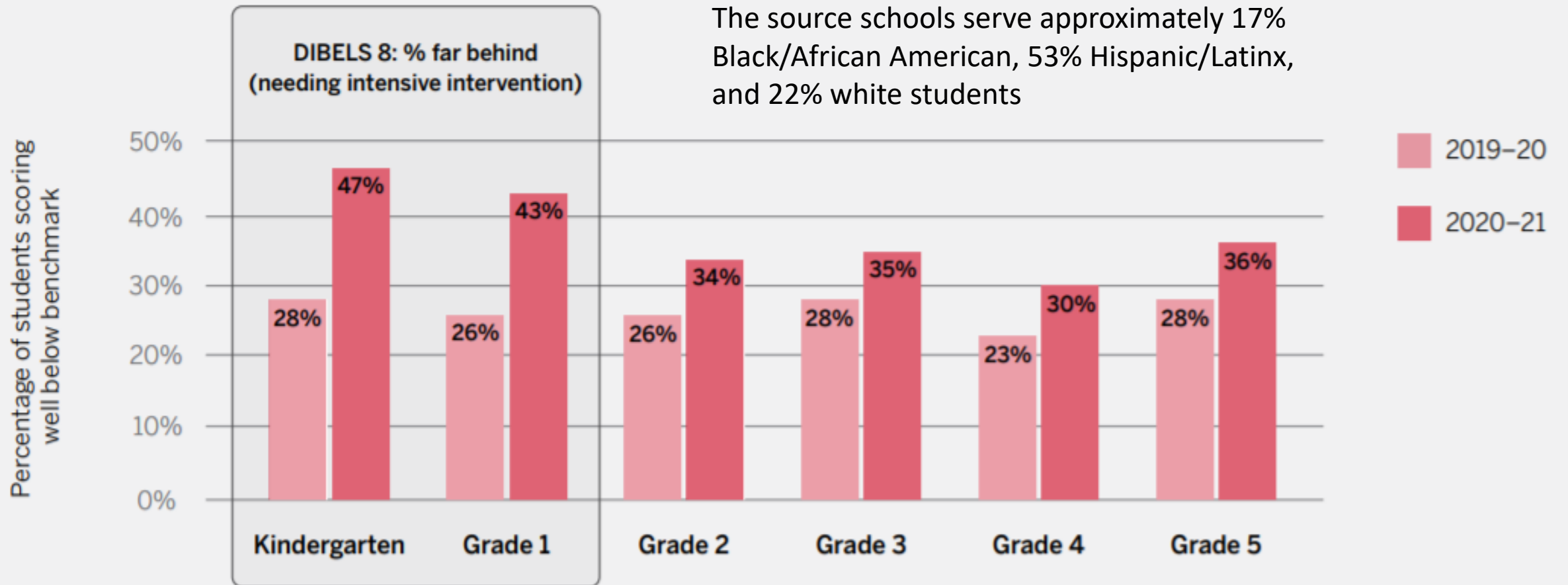
Measures listening comprehension, letter knowledge and vocabulary (EOY adds phonemic awareness)

Measures foundational skills in mathematics, like number sense, geometry, sequence

NATIONAL CONTEXT 2019-20 vs 2020-21

mCLASS® DIBELS® 8 comparison to the prior middle-of-school-year (pre-COVID)

The source schools serve approximately 17% Black/African American, 53% Hispanic/Latinx, and 22% white students



BPS BOY DIBELS Student Data

Measures		20%	40%	60%	80%	Total Students
Gr K	Composite Score	21-22 BOY 1203(66%)			246(14%) 186(10%) 185(10%)	1820 /1931
Gr 1	Composite Score	21-22 BOY 1444(69%)			218(11%) 239(12%) 171(8%)	2072 /2139
Gr 2	Composite Score	21-22 BOY 1345(64%)		184(9%)	354(17%) 217(10%)	2100 /2154
Gr 3	Composite Score	21-22 BOY 1025(48%)		319(15%)	481(23%) 290(14%)	2115 /2178
Gr 4	Composite Score	21-22 BOY 830(39%)		517(24%)	630(30%) 138(7%)	2115 /2168
Gr 5	Composite Score	21-22 BOY 880(45%)		391(20%)	492(25%) 198(10%)	1961 /2017
Gr 6	Composite Score	21-22 BOY 935(46%)		388(19%)	412(20%) 306(15%)	2041 /2145

Literacy Supports and Learning Acceleration

Instructional Priorities (K-12)

Professional Development:

- LETRS (K-4)
- Orton Gillingham (K-8 SE, reading)

Curriculum:

- Reading Acceleration Guide (2-6)
- Heggerty Phonemic Awareness lessons (K-2)
- LETRS-based phonics lessons (K-3)
 - Additional decodables, LETRS toolkits
- *HOT!* Items (2-6)
- Vocabulary program RFP (5-8)
- Step Up to Writing (K-12)

Supplemental resources:

- OSMO (PK)
- Raising a Reader (PK)
- myON (K-12)

RTI intervention and enrichment:

- Summer school
- Corrective Reading/Reading Mastery (K-6)
- Lexia (K-12)
- ENL online program (Entering/Emerging)
- Bilingual online program RFP
- Orton Gillingham (K-8)
- Junior Great Books (2-6)



NATIONAL CONTEXT BOY iReady Math Data

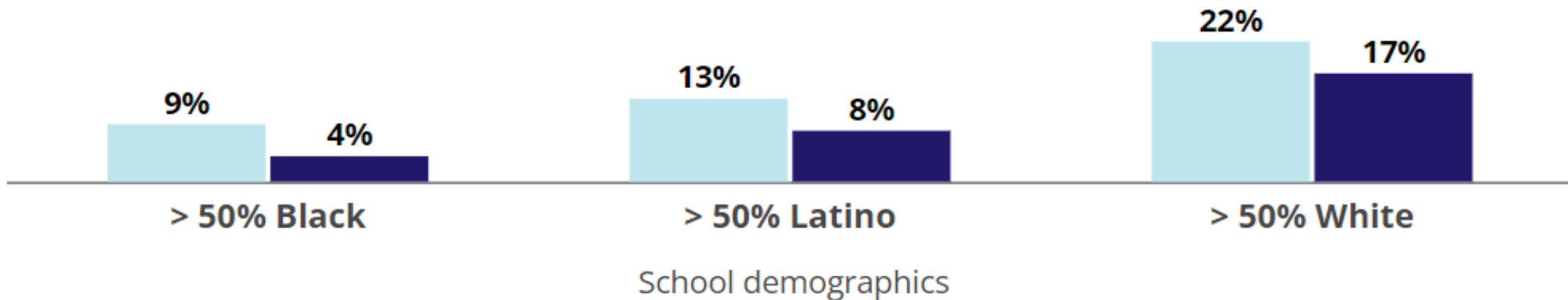
Mathematics

● Average of Fall 2017, 2018, 2019 ● Fall 2021

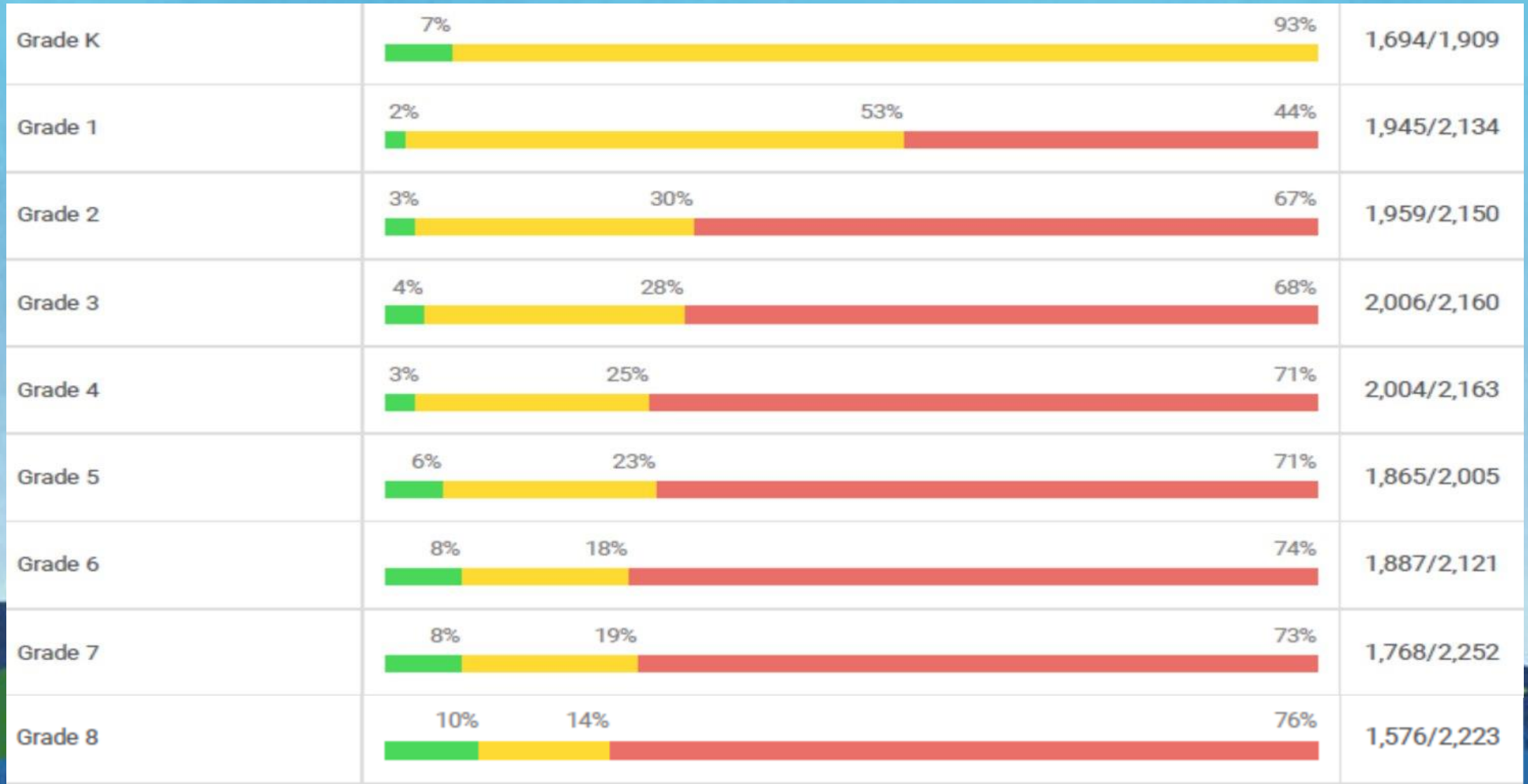
% of students on grade level

Sample size approx 3.4 million

The percentage of students who are on grade level is not yet reaching pre-pandemic levels in most grades, and the gaps are largest in upper-elementary and middle school grades.



BPS BOY iReady Math Student Data



NB: Students who are One Grade Level Below on their First Diagnostic Window are performing consistently with students who have just begun their academic year.

Mathematics Supports and Learning Acceleration

Instructional Priorities (K-12)

Professional Development:

- NUMBERS (K-6)
- Gates/TNTP (6)

Curriculum:

- Adjusted to provide additional practice and small group supports
- Think Tanks (K-5)
- Zearn (K-8)

Supplemental Resources:

- OSMO (PK)
- Number of the Day (K-3)
- Math Minutes Calendar

RTI intervention and enrichment:

- Summer school
- Moby Max (K-9), Finishline (7-8), IXL (Algebra)
- ECEP STEAM (K-1) - engineering, animation, OSMO, generation genius
- CTE – drones, 3D printing, robotics

