2023-24

Report on Student Learning in Math

Agenda

- Some quick points about iReady
- High-level trends from 2022-23 data
- Selected charts from 2022-23
- Preliminary trends (and chart) from 2023-24 data
- Final take-aways

Some quick points about iReady

- Dynamic math diagnostic given at the beginning, middle, and end of year
- Students receive a score, are given a grade-level placement, are ranked against a nationally representative sample, and are assigned annual expected and stretch growth targets
- The way iReady classifies students can be frustrating
  - For example, an 8th grader in the 67th percentile in the fall is considered below grade level because they have not yet mastered 8th grade content
- My analysis emphasized proficiency scores and growth scores over classifications

High-level trends from 2022-23 data

- Correlation between iReady scores and MCAS scores is greater at LS than at HS but decreases in higher grades
- Beginning in 3rd grade, there is a disparity between LS and HS proficiency scores, but minimal disparity between LS and HS growth scores
- For growth scores, there is more variation between grades at the same school than between schools
- For growth scores, there is variation between achievement groups at each school, but the patterns are not consistent
- There are disparities and patterns for different racial groups, but they are more pronounced for proficiency than growth and vary by school

2022-23 EOY iReady and MCAS Scores by Grade

Grade	HS % Met Mid Score	LS % Met Mid Score	HS % Met or Exceed MCAS	LS % Met or Exceed MCAS
K	63%	86%	NA	NA
1	68%	64%	NA	NA
2	64%	59%	NA	NA
3	26%	62%	19%	65%
4	35%	61%	50%	63%
5	33%	52%	43%	57%
6	23%	52%	38%	69%
7	10%	49%	29%	65%
8	15%	57%	23%	82%

2022-23 EOY iReady Growth Summaries by Grade

Grade	HS % Met Expected Growth	HS % Met Stretch Growth	LS % Met Expected Growth	LS % Met Stretch Growth
K-2	67%	38%	65%	45%
3-5	44%	19%	58%	39%
6-8	67%	26%	68%	38%
Schoolwide	59%	27%	64%	41%

2022-23 EOY iReady Growth Summaries by Percentile

LS Only Grades 1-5				HS Only Grades 1-5		
Fall Percentile	Met Expected Growth	Met Stretch Growth		Fall Percentile	Met Expected Growth	Met Stretch Growth
1-25%	61%	32%		1-25%	52%	30%
26-50%	63%	40%		26-50%	62%	38%
51-75%	66%	26%		51-75%	51%	23%
76-90%	46%	26%		76-90%	57%	20%
91-99%	65%	44%		91-99%	43%	29%

2022-23 EOY iReady Growth Summaries by Percentile

LS Only 6-8				HS Only 6-8		
Fall Percentile	Met Expected Growth	Met Stretch Growth		Fall Percentile	Met Expected Growth	Met Stretch Growth
1-25%	69%	50%		1-25%	57%	29%
26-50%	56%	30%		26-50%	76%	30%
51-75%	68%	32%		51-75%	67%	27%
76-90%	71%	51%		76-90%	56%	11%
91-99%	73%	57%		91-99%	67%	0%

2022-23 EOY iReady Growth Summaries by Percentile

LS Only					HS Only			
Race	At Mid Level	Met Expected Growth	Met Stretch Growth		Race	At Mid Level	Met Expected Growth	Met Stretch Growth
Asian	64%	74%	55%		Asian	54%	62%	38%
Black or African American	25%	55%	30%		Black or African American	29%	59%	35%
Hispanic	50%	59%	45%		Hispanic	21%	45%	17%
Two or More Races	55%	59%	35%		Two or More Races	40%	63%	25%
White	71%	66%	39%		White	40%	59%	28%

Preliminary trends in 2023-24

- Too early to look at proficiency, but there are some clear growth patterns
- Big-picture growth patterns at mid-year do not look remarkably different than 2022-23 end-of-year patterns
- There continues to be more variation in growth between grades at the same school than between schools
- Some growth patterns look similar from year to year, while others vary from year to year (e.g., 1st grade at HS and 8th grade at LS)

2023-24 MOY iReady Growth Summaries by Grade

Grade	HS % Met Expected Growth	HS % Met Stretch Growth	LS % Met Expected Growth	LS % Met Stretch Growth
K-2	59%	39%	54%	38%
3-5	54%	25%	56%	40%
6-8	61%	22%	68%	47%
Schoolwide	59%	36%	59%	41%

Final take-aways

- Having a district standardized assessment given multiple times during the year allows for more actionable and analyzable information
- Pulling out and analyzing iReady data is currently a chore – making the data accessible and actionable will require some better tools
- Growth data feels more relevant and actionable than proficiency data
- Variation within grade levels suggests room for productive action – across the two schools, seven teams had year-end growth data above 70%, and three teams had growth data at 75% or higher
- It will be important to look at sub-groups over multiple years to identify true patterns