Start Strong Assessment Presentation 2021

Results, Considerations, and Action Steps

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Overview

- State assessment presentation required as per NJSA 6A:8-4.3(a)

- Start Strong Fall 2022 Details

  - Satisfied Federal testing requirement in ELA, math, and science for 2020-2021
  - Based on a small number of prior-year academic standards
  - Designed to provide actionable data and minimize impact on instructional time

- Information Presented

  - Assessment overview, results, and considerations
  - Actions taken and next steps

Assessment Overview

	ELA	Math	Science
Students Assessed	Grades 4-10	Grades 4-8 plus those in Alg 1, Geom, Alg 2	Grades 6, 9, 12
Standards Assessed	NJSLS-ELA Grades 3-9	NJSLS-M Grades 3-8 plus Algebra	NJSLS-S Grades 5, 8, 11
Performance Levels	*Lower Performance* -- *Higher Performance* Strong Support Needed → Some Support Needed → Less Support Needed		

Executive Summary

- Overall assessment results indicate many positive signs and some results that demonstrate the need for continued improvement through MTSS

- In comparison, Star growth scores from the Fall indicate that all students showed meaningful growth over the last year

- There is no comparison data available (e.g., results over time, results from comparable districts) to provide context for student performance

- Released Start Strong questions have been made available and are being used by staff to examine curriculum progressions and assessment items

State Results

Grade/ Course	Level 1: Strong Support May Be Needed		Level 2: Some Support May Be Needed		Level 3: Less Support May Be Needed	
	ELA	Math	ELA	Math	ELA	Math
Grade 4	41.5%	49.3%	21.8%	22.2%	36.7%	28.5%
Grade 5	26.9%	55.0%	25.3%	21.0%	47.8%	24.0%
Grade 6	33.1%	53.7%	26.2%	24.3%	40.7%	22.1%
Grade 7	28.2%	42.5%	24.5%	33.0%	47.3%	24.4%
Grade 8	30.6%	47.0%	19.9%	34.8%	49.5%	18.1%
Grade 9	31.7%	-	14.8%	-	53.5%	-
Grade 10	25.9%	-	19.5%	-	54.6%	-
Algebra 1	-	60.4%	-	24.0%	-	15.6%
Geometry	-	47.3%	-	23.8%	-	29.0%
Algebra 2	-	30.9%	-	28.9%	-	40.2%

Start Strong 2021: Overall Performance

Math Performance Analyses

MPS Performance by Assessment

Test	n
Math 4	181
Math 5	179
Math 6	181
Math 7	193
Math 8	96
Alg 1 MS	86
Alg 1 HS	97
Geom MS	14
Geom HS	156
Alg 2	228

Math Assessment Results

Assessment	Strong Support Needed	Some Support Needed	Less Support Needed
Math 4	20%	26%	54%
Math 5	17%	22%	61%
Math 6	18%	28%	54%
Math 7	12%	31%	56%
Math 8	26%	43%	31%
Algebra 1 MS	14%	41%	45%
Algebra 1 HS	44%	35%	21%
Geometry MS	0%		100%
Geometry HS	21%	23%	56%
Algebra 2	10%	20%	70%
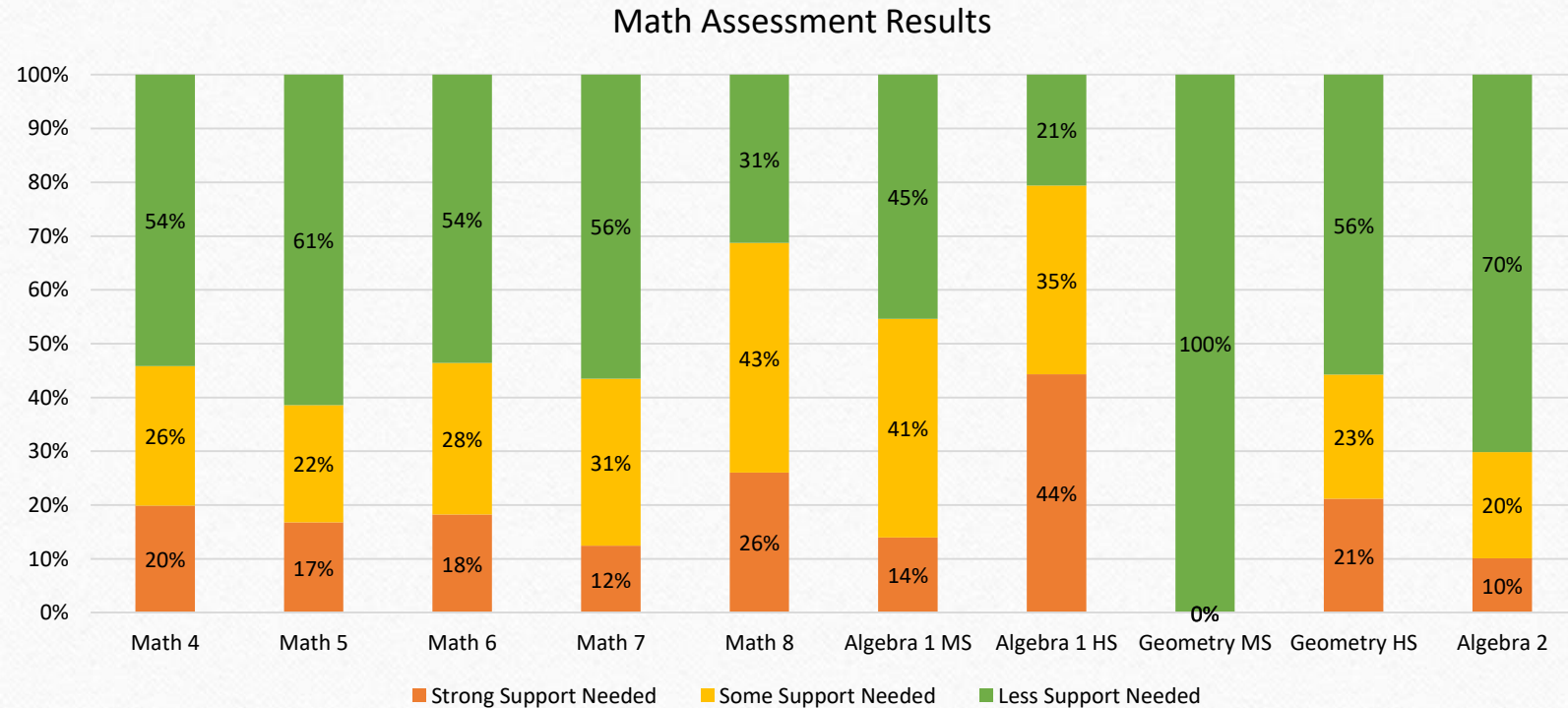
ELA Performance Analyses

MPS Performance by Assessment

Test	n
ELA 4	180
ELA 5	177
ELA 6	181
ELA 7	204
ELA 8	188
ELA 9	181
ELA 10	216

ELA Assessment Results

	Strong Support Needed	Some Support Needed	Less Support Needed
ELA 4	23%	20%	57%
ELA 5	11%	14%	75%
ELA 6	17%	30%	53%
ELA 7	10%	20%	70%
ELA 8	15%	18%	66%
ELA 9	19%	8%	73%
ELA 10	13%	16%	71%

Legend: Strong Support Needed, Some Support Needed, Less Support Needed
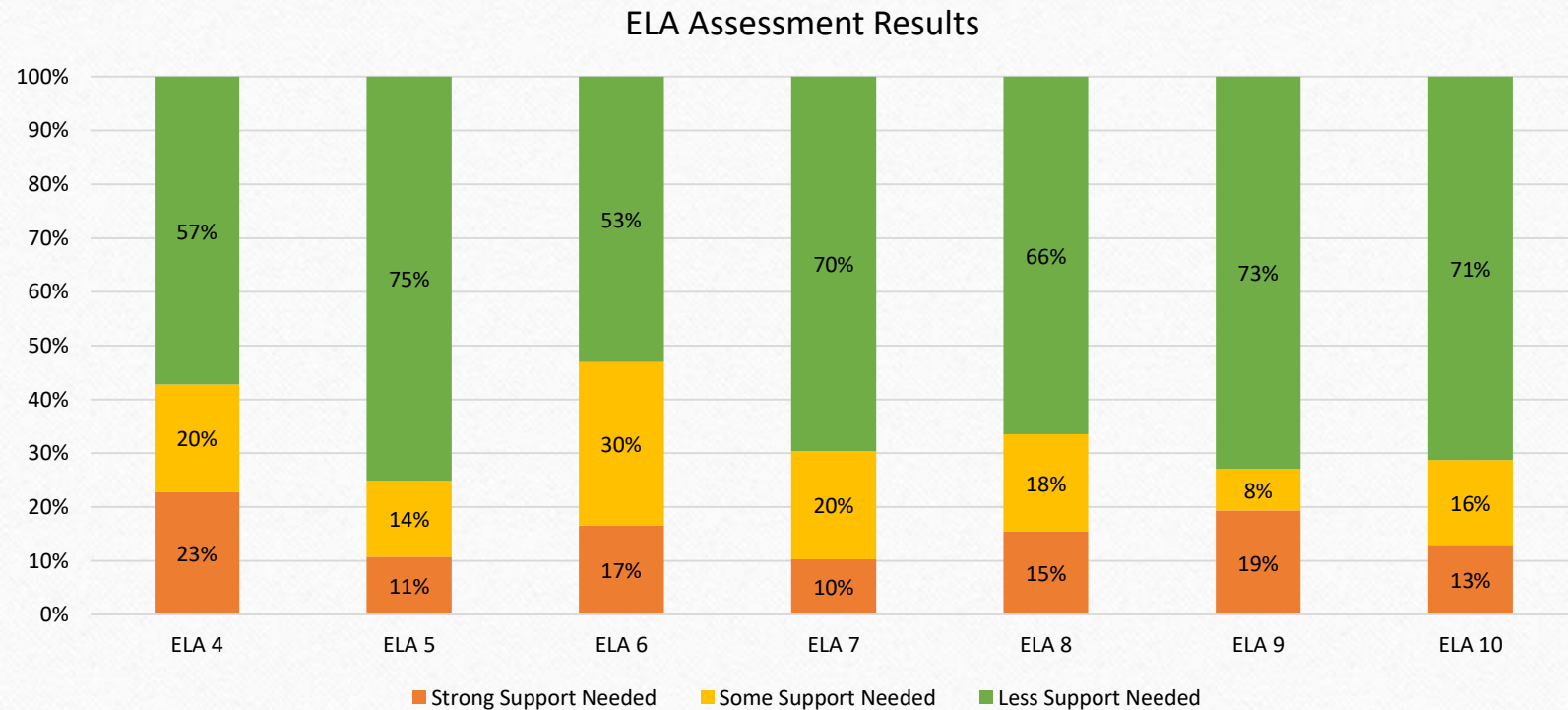
Science Performance Analyses

MPS Performance by Assessment

Test	n
Science 6	181
Science 9	181
Science 12	142

Science Assessment Results

Science 6: Strong Support Needed 25%, Some Support Needed 41%, Less Support Needed 34%

Science 9: Strong Support Needed 22%, Some Support Needed 43%, Less Support Needed 35%

Science 12: Strong Support Needed 46%, Some Support Needed 19%, Less Support Needed 35%

Legend: ■ Strong Support Needed ■ Some Support Needed ■ Less Support Needed
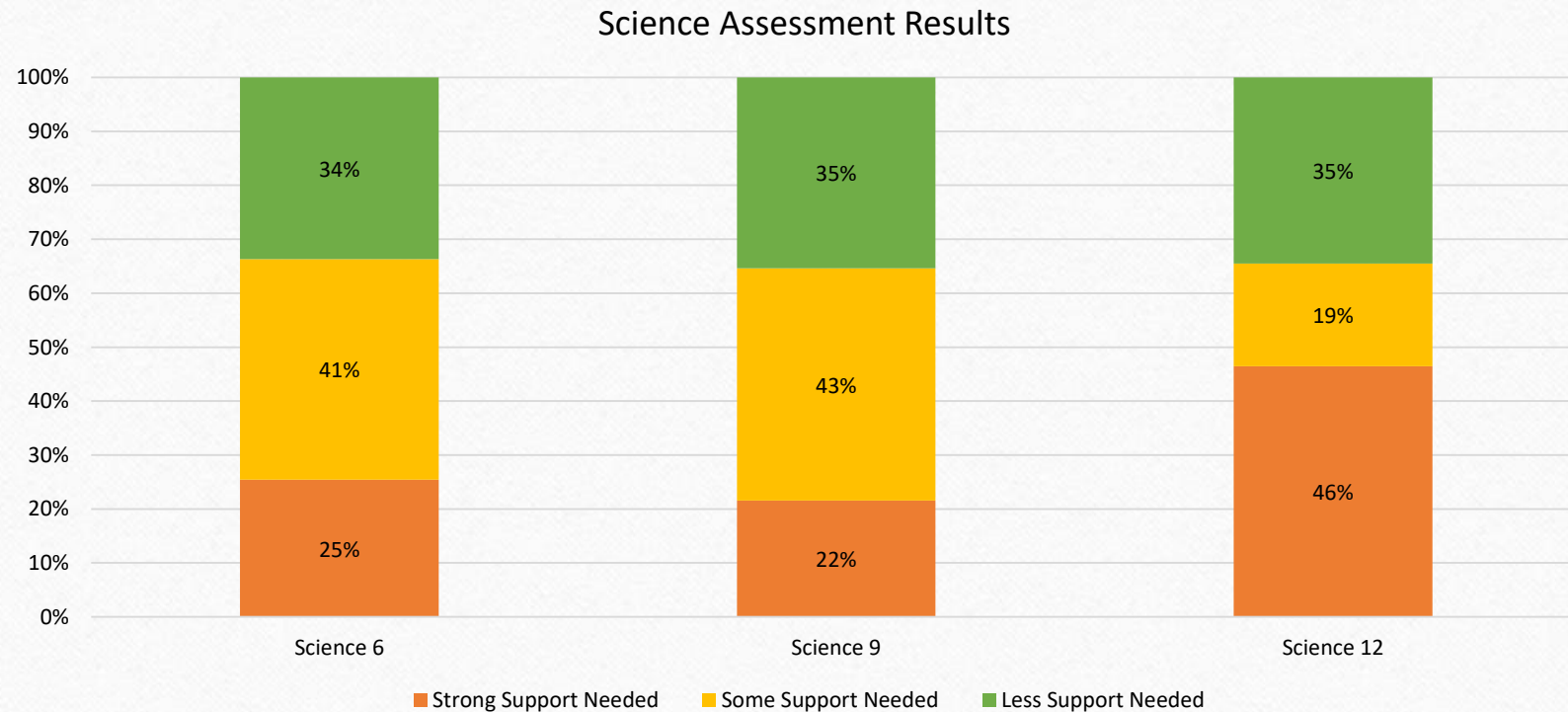
Start Strong 2021:
Subgroup Performance

Math Subgroup Analyses

Economic Status

	Ec Dis	Non ED
Less Support Needed	12%	57%
Some Support Needed	37%	27%
Strong Support Needed	51%	16%

Legend: ■ Less Support Needed ■ Some Support Needed ■ Strong Support Needed

Category	Ec Dis	Non Ec Dis
n	98	1313

Gender

	Male	Female
Less Support Needed	56%	53%
Some Support Needed	26%	29%
Strong Support Needed	18%	18%

Legend: ■ Less Support Needed ■ Some Support Needed ■ Strong Support Needed
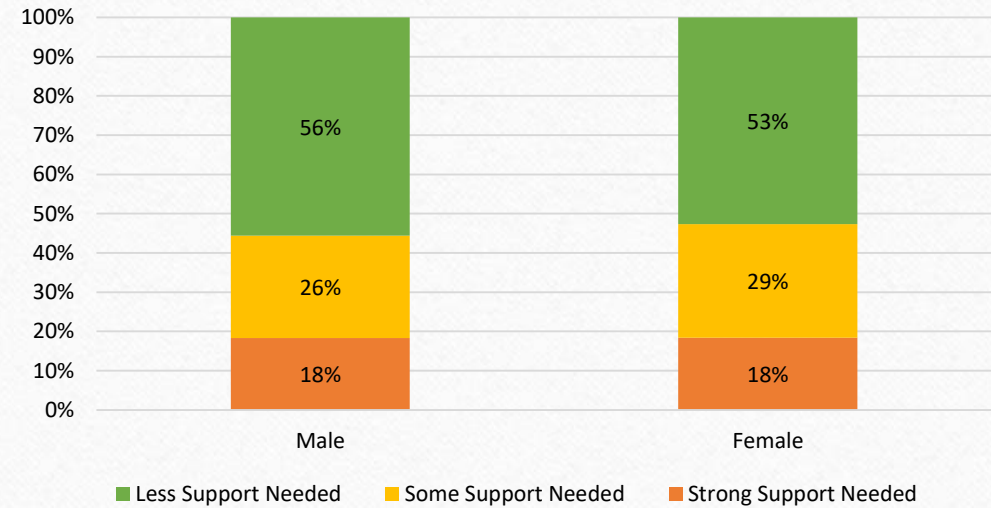
Category	Male	Female
n	720	691
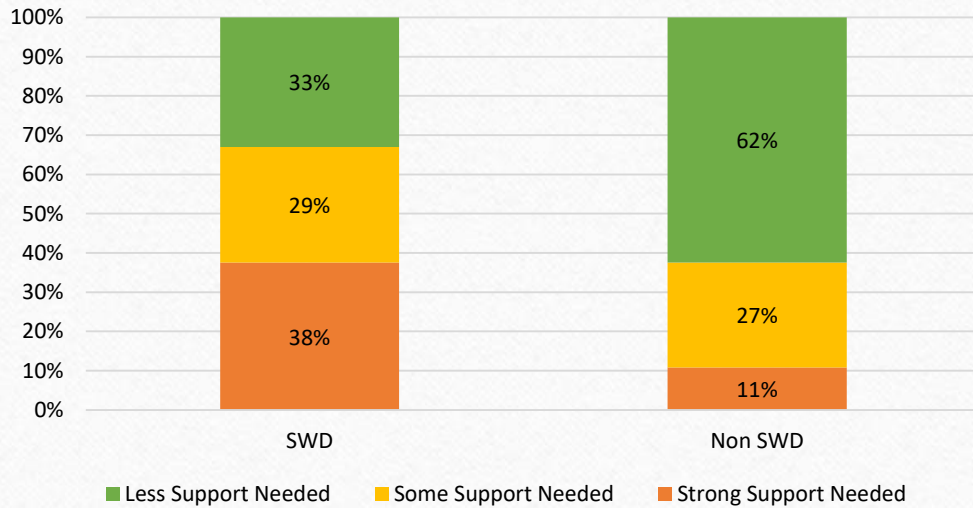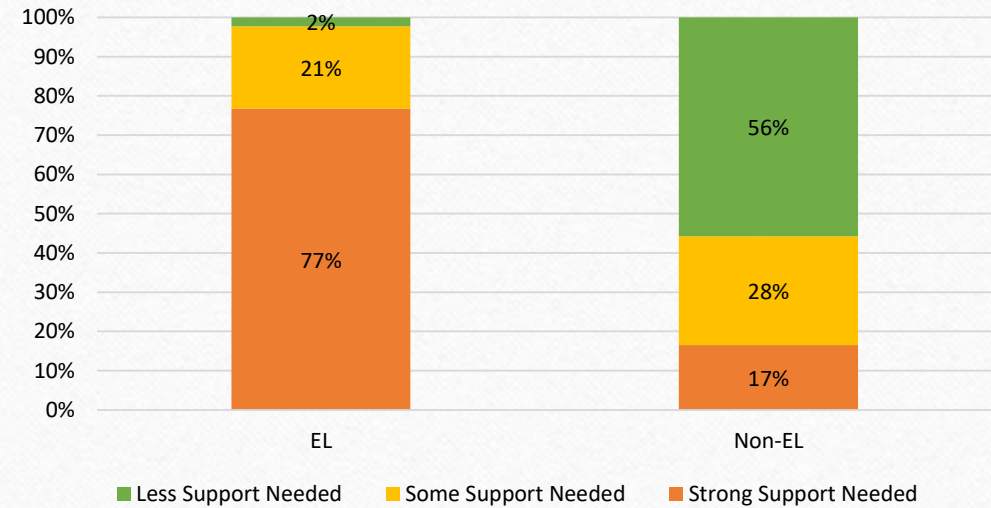
Additional Context - Star Math Analysis
State of the Schools 2021 Address

- MPS students demonstrated high median math growth from Fall 2020 to Fall 2021 (1.3 years)
- 76.4% of students demonstrated at or above 1 year of growth on the Star Math Assessment
- There was no significant difference in overall performance by ethnicity or economic status.
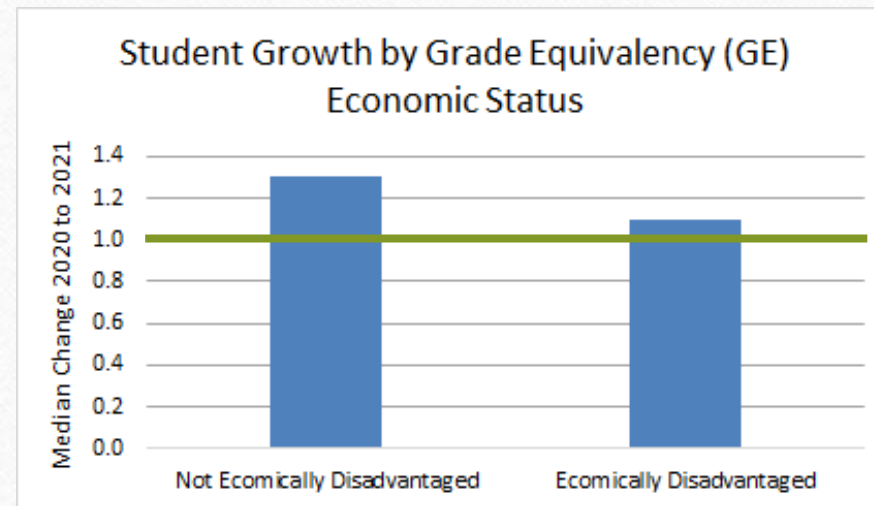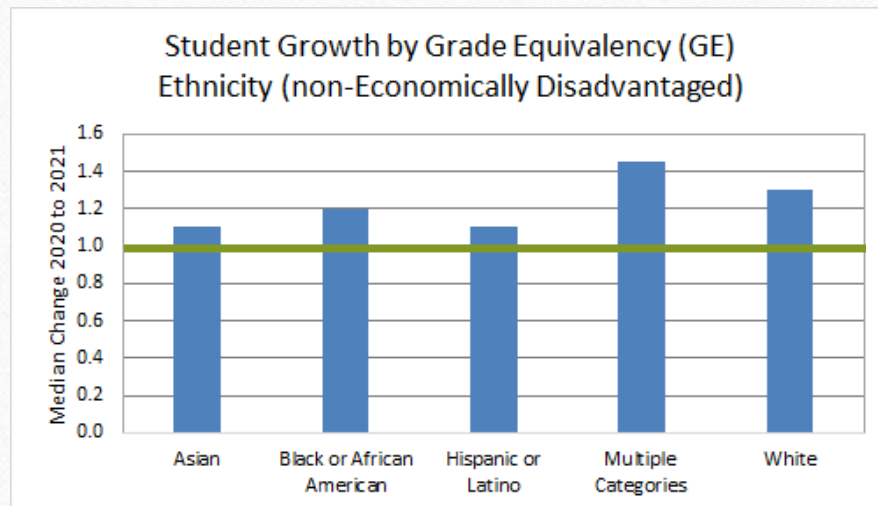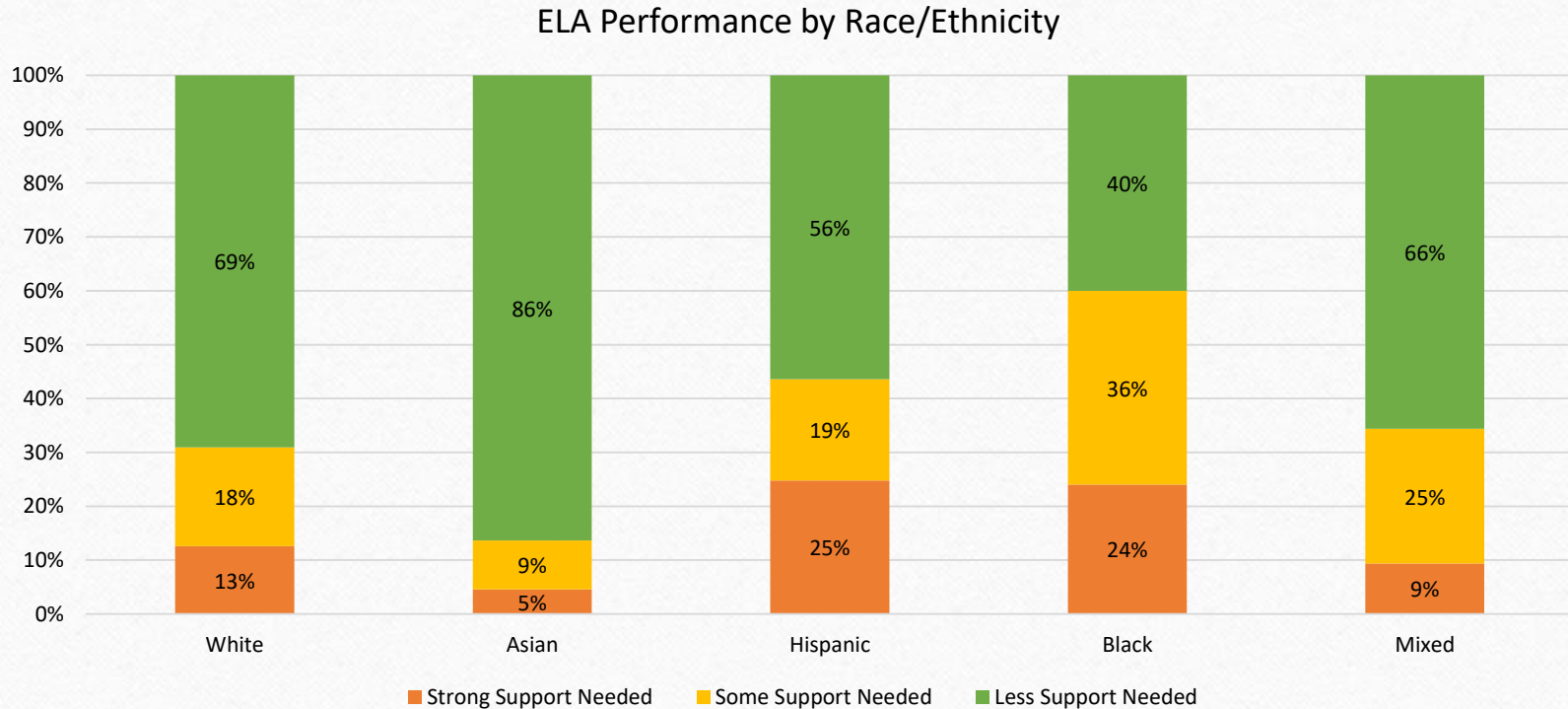

Student Growth by Grade Equivalency (GE) Ethnicity (non-Economically Disadvantaged)

Student Growth by Grade Equivalency (GE) Economic Status

ELA Subgroup Analyses

Comparison of Non-Economically Disadvantaged Students by Race/Ethnicity

Group	n
White	654
Asian	110
Hispanic	117
Black	25
Mixed	32

Note: Number of Pacific Islander students was too small to report out on individually

ELA Performance by Race/Ethnicity

	Strong Support Needed	Some Support Needed	Less Support Needed
White	13%	18%	69%
Asian	5%	9%	86%
Hispanic	25%	19%	56%
Black	24%	36%	40%
Mixed	9%	25%	66%

ELA Subgroup Analyses

Economic Status
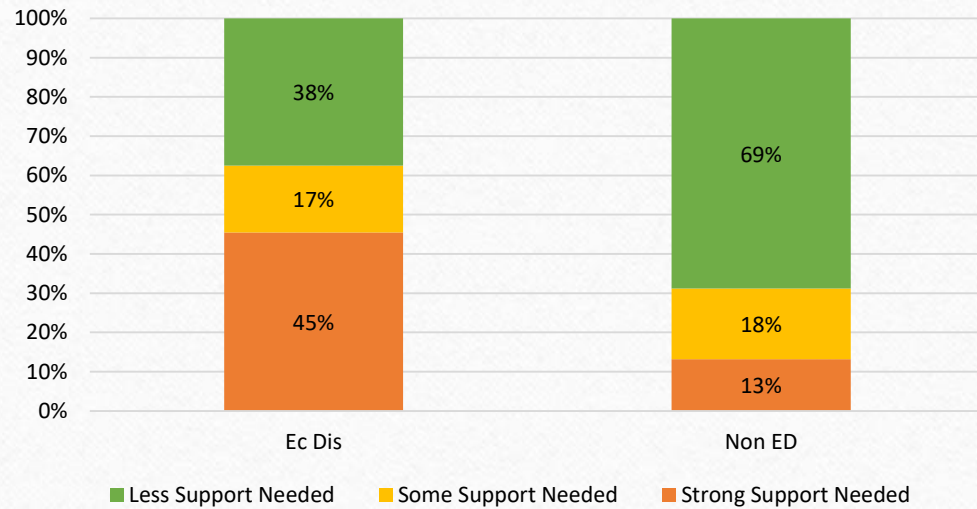
Category	Ec Dis	Non ED
n	88	1239

Gender
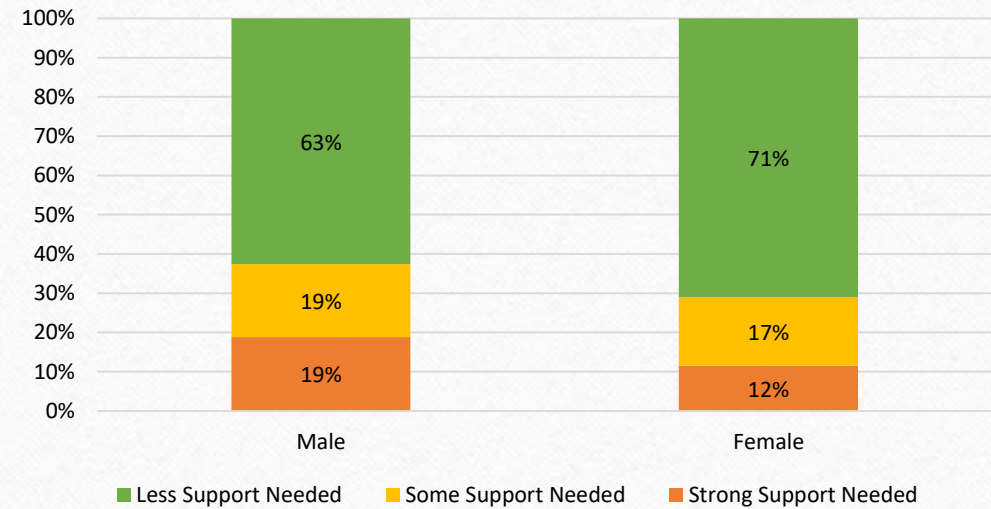
Category	Male	Female
n	679	648

ELA Subgroup Analyses

Students with Disabilities
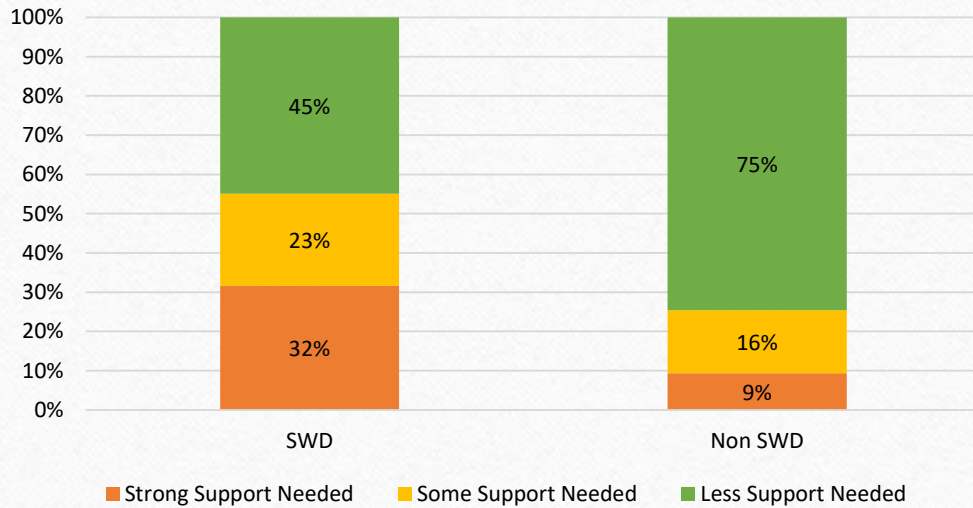
Category	SWD	Non SWD
n	354	973

English Language Learners
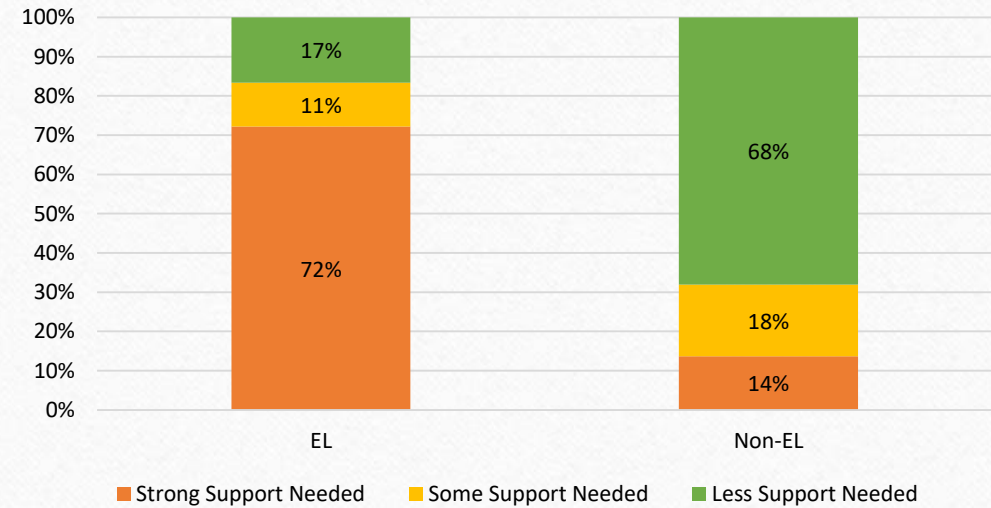

Category	EL	Non-EL
n	36	1291

Additional Context - Star ELA Analysis
State of Schools 2021 Address

- MPS students experienced moderate median reading growth from Fall 2020 to Fall 2021 (1.0 years)
- 69.2% of students demonstrated at or above 1 year of growth on the Star ELA Assessments
- There was no significant difference in student performance by ethnicity. Economically Disadvantaged students performed slightly below their peers.
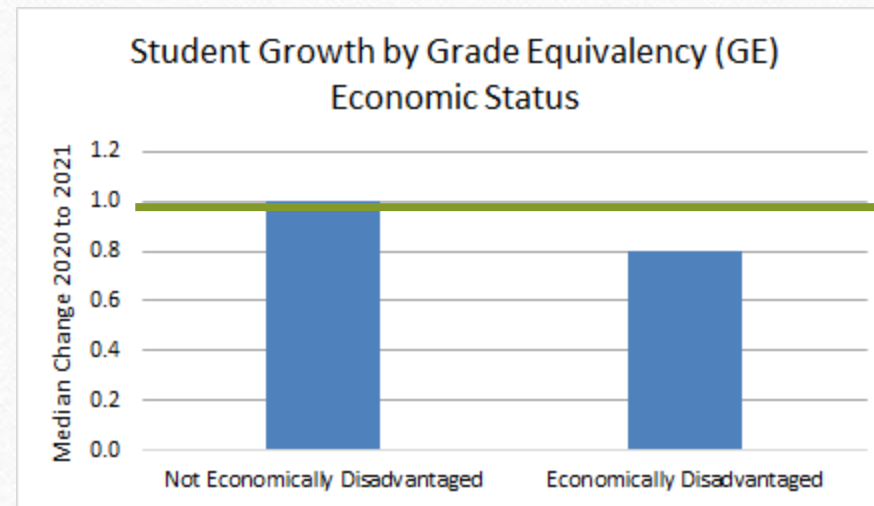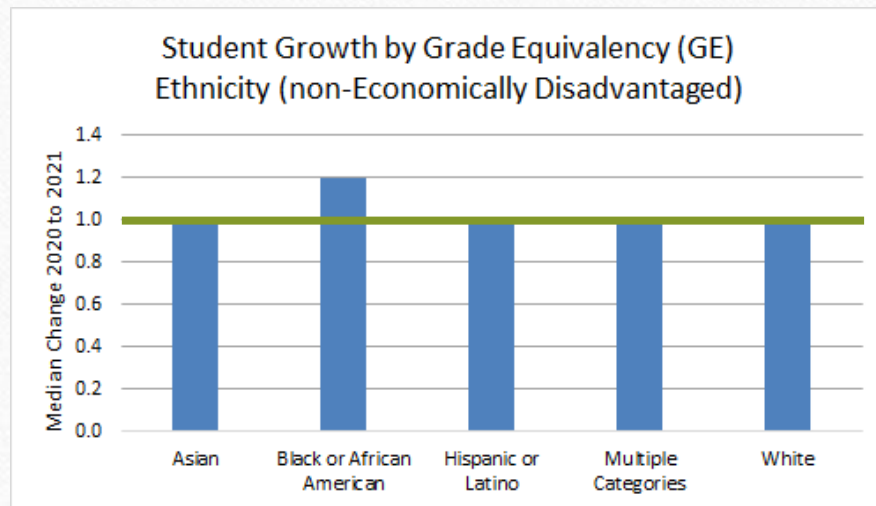

Student Growth by Grade Equivalency (GE) Ethnicity (non-Economically Disadvantaged)

Student Growth by Grade Equivalency (GE) Economic Status

Science Subgroup Analyses

Comparison of Non-Economically Disadvantaged Students by Race/Ethnicity

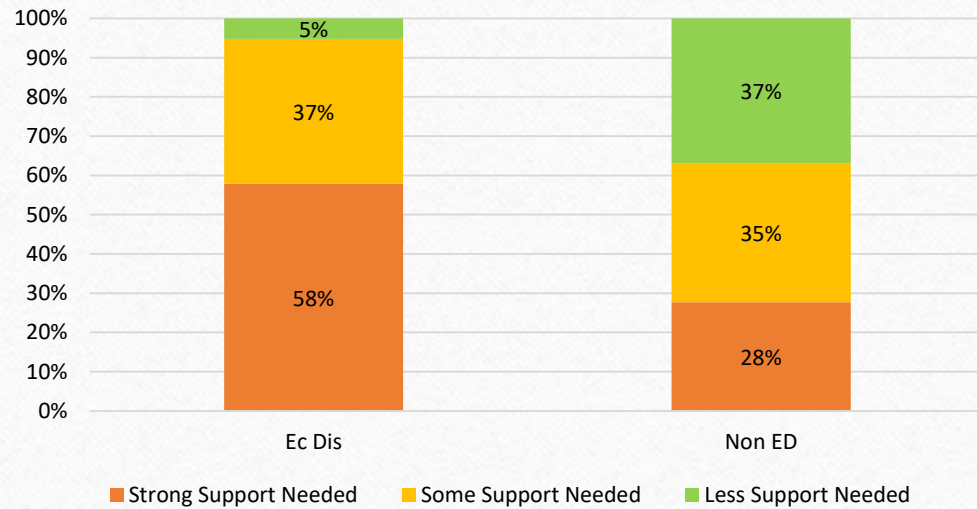| Group	n
White	370
Asian	42
Hispanic	35
Black	10

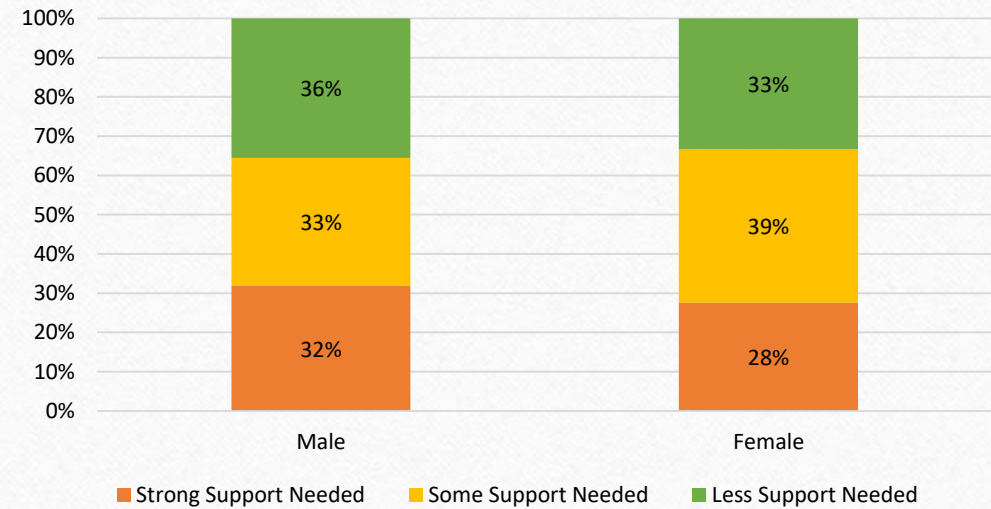*Note*: Number of Mixed Race and Pacific Islander students was too small to report out on individually

Science Performance by Race/Ethnicity

Strong Support Needed — Some Support Needed — Less Support Needed
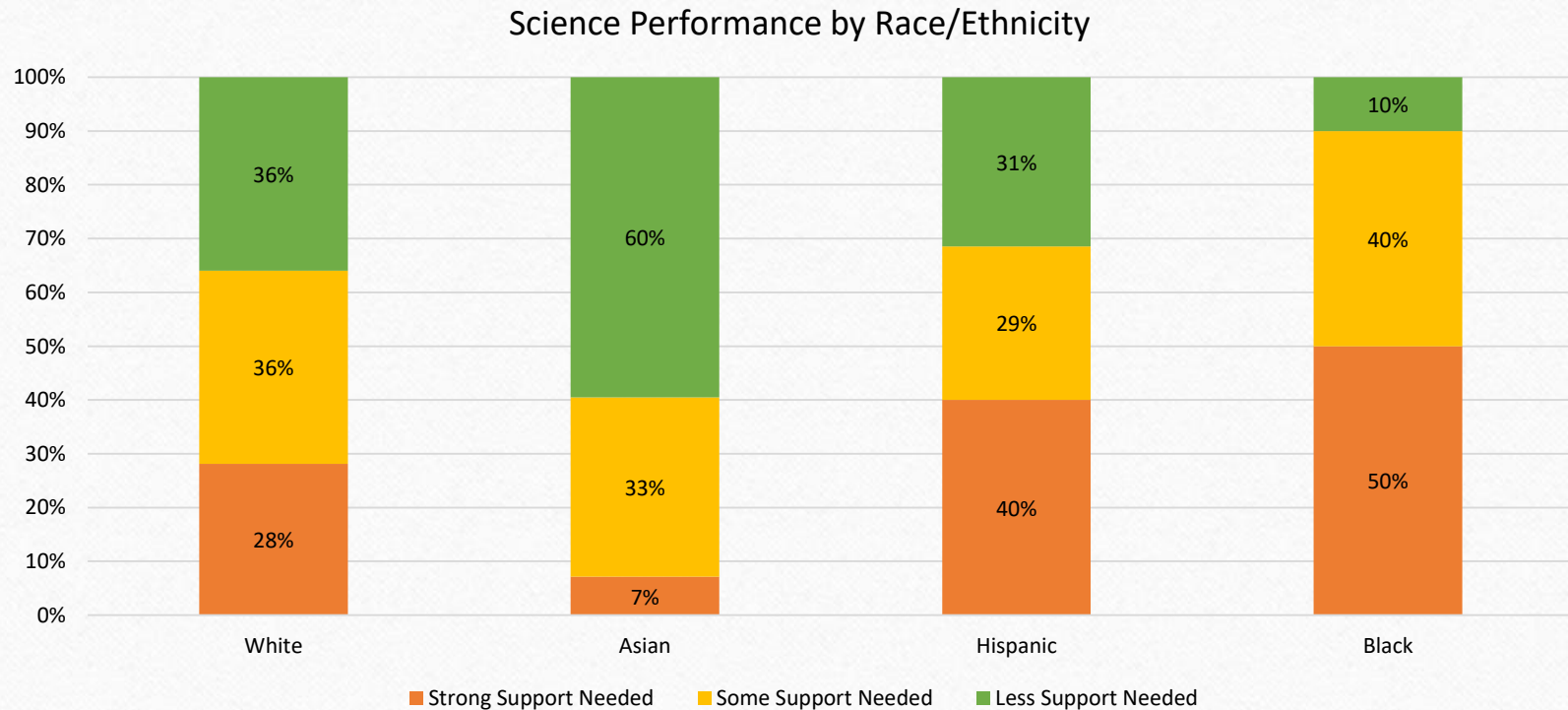
Science Subgroup Analyses

Economic Status

Category	SWD	Non SWD
n	38	466

Gender

Category	Male	Female
n	276	228

Science Subgroup Analyses

Students with Disabilities
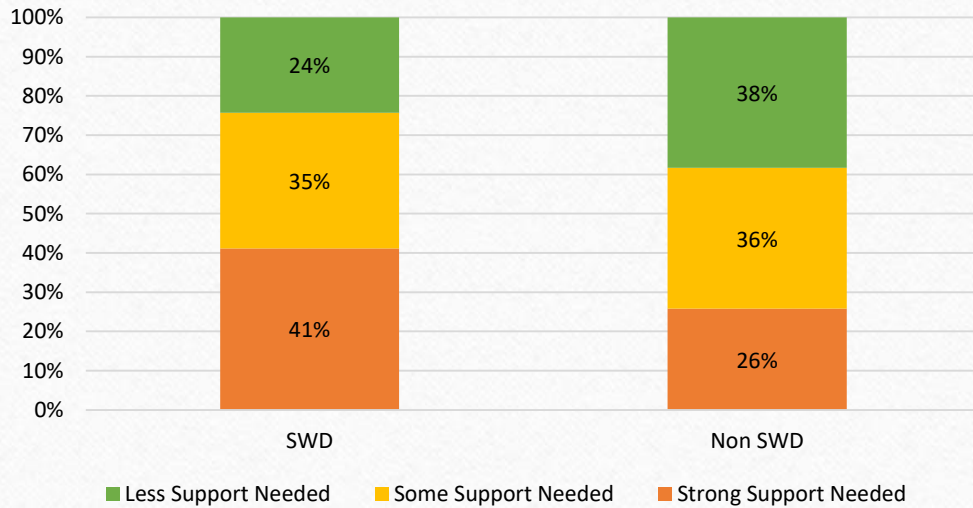
Category	SWD	Non SWD
n	136	368

English Language Learners
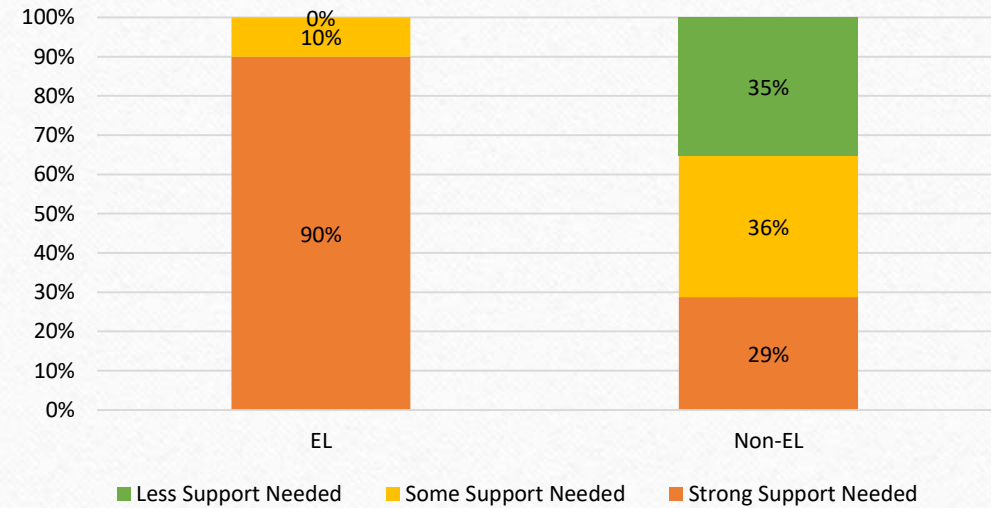
Category	EL	Non-EL
n	10	494

Start Strong 2021:
Actions Taken and Next Steps

Actions Taken and Next Steps

- Data Gathering and Assessment Comparison
  - Data is being compared against the results of Star and other assessments.
  - Star reports indicate that student growth was strong among all groups for the Fall. Additional analysis will be conducted for Winter window and will be shared.
  - Lack of a comprehensive district-wide data warehousing platform increases the challenge of this work and highlights the need to continue to explore how Panorama can help facilitate and individualize district efforts
  - MTSS presentation in February will outline district actions and processes

Actions Taken and Next Steps

- Item Analysis and Standards Review for Curriculum Alignment
  - In grades 4-5, teachers have met to discuss the released items and student performance and the individual student data has been added to data tracking sheets
  - In grades 6-8, teachers have worked in team meetings and with instructional coaches to review the data and released items and will continue conversations regarding curriculum review
  - In grades 9-12, staff have met in department meetings to discuss the data and released items and the reports have been reviewed as part of the committee of 9th and 10th grade teachers who are discussing the collapsing of levels.

Closing

- The district will continue to monitor the progress of students throughout the 2021-2022 school year, using a wide range of assessments
- Data analysis and data team meetings continue as part of the continued push to develop a comprehensive MTSS program in the district
- Upcoming state assessments:
  - ACCESS for ELLs administered from February to April
  - NJSLA for ELA, Math, and Science will be administered in April and May
  - DLM for ELA, Math, and Science will be administered in April and May

Questions and Comments