Assessment Results Webinar Series: RICAS

October 24, 2019



Agenda

- Statewide Assessment and RICAS
- Understanding RICAS Results
- 2019 RICAS Statewide Results for ELA and Math
- Using RICAS Data
- Resources to use with educators and parents



Statewide Assessment and RICAS

Why are statewide assessments important? What is RICAS?



Why are statewide assessments important?

- Statewide assessments give teachers, students, and families information about student progress, school performance, and how to improve teaching and learning.
- These assessments fulfill federal requirements as well as help us measure how well our state, districts, and schools are doing in English Language Arts/Literacy, Mathematics, Science, and English Language Proficiency.



What is RICAS?

- The Rhode Island Comprehensive Assessment System (RICAS) is a high-quality assessment that fulfills federal requirements for annual assessments in English Language Arts (ELA) and mathematics for students in grades 3-8
- RICAS assesses the Common Core State Standards for English Language Arts/Literacy and the Common Core State Standards for Mathematics
- Rhode Island version of the MCAS assessment, which allows us to have a direct comparison with our neighboring state, a national leader in education



Understanding RICAS Results

How can we access results for statewide assessments? How are results reported? Key Concepts and Definitions What information is on the RICAS Individual Student Report?



How can we access results for statewide assessments?

- RIDE's Assessment Results page: <u>www.ride.ri.gov/Assessment-Results</u>
 - Links to the public and confidential data portals
 - Links to interactive student growth charts (filter by school characteristics or performance for ELA and math)
 - o Supplemental materials for current statewide assessments
 - Archive of results for current/past statewide assessments
- Public Rhode Island Assessment Data Portal (RI-ADP):
 - Aggregate data downloads and dashboard visualizations
 - In-depth presentation of district, school, and student subgroup data for all Rhode Island state assessments starting with SY 2017-18
- Confidential Educator Access through RIDEmap
 - Access for district leaders, school leaders, and educators to student level data through links created between educators and students from course data submitted by districts
 - If you do not have a RIDEmap account please register for a new account at <u>https://ridemap.ride.ri.gov</u> or contact your district data manager



How are results reported?

RICAS results are reported in a number of ways so that districts, schools, teachers, and parents can see how students performed on each assessment:

- Achievement Levels (and cut-scores)
- Scale Scores
- Growth Scores
- Reporting Category Points
- Individual Item Points

* Remember that **all assessment data**, scale scores, proficiency levels, and item statistics, should be used in conjunction with other data sources – attendance, local achievement data, observations – when making decisions.



Key Concepts: Achievement Levels

Broad, categorical levels that describe how well student(s) met the expectations for their grade level

- Four levels of achievement
 - Exceeding Expectations
 - Meeting Expectations
 - Partially Meeting Expectations
 - Not Meeting Expectations

nent										
tions ons	40	Not Meeting Expectations	470	Partially Meeting Expectations	500) Meeting Expectations	53	• Exceeding Expectations	56	0
xpectations		A student who performed at this level did not meet grade-level expectations in this subject. The school, in consultation with the student's parent/guardian, should determine the coordinated academic assistance and/or additional instruction the student needs to succeed in this subject.		A student who performed at this level partially met grade-level expectations in this subject. The school, in consultation with the student's parent/guardian, should consider whether the student needs additional academic assistance to succeed in this subject.		A student who performed at this level met grade-level expectations and is academically on track to succeed in the current grade in this subject.	:	A student who performed at this level exceeded grade-level expectations by demonstrating mastery of the subject matter.		

- Meeting Expectations means that students are able to demonstrate grade level expectations while Exceeding Expectations means that students are showing mastery of the grade level expectations
 - o <u>Mathematics Achievement Level Descriptors</u>
 - o <u>English Language Arts Achievement Level Descriptors</u>

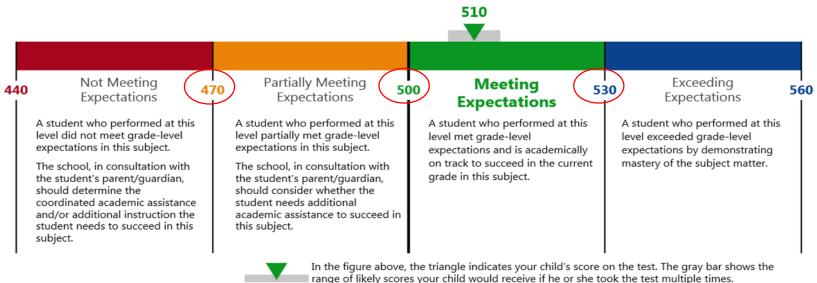


Key Concepts: Scale Scores

- Scale scores are numerical values that summarize the overall level of performance attained
 - $\,\circ\,$ RICAS scale ranges from 440 to 560

RIDE

• Cut-scores are indicated by red circles on the chart and are the same for all grades and for ELA and math



The Standard error of measurement reflects the variability that would be expected in the scores that your student would likely receive if the assessment was taken multiple times.

The probable range of scores differs across forms and across level of performance within forms.

Key Concepts: What is the RIGM?

- The Rhode Island Growth Model (RIGM) is a statistical model that measures each student's academic growth based on state assessment results
- However, this growth is not expressed in gains or losses on test scores
- Growth is expressed in Student Growth Percentiles (SGP)
 - A student growth percentile describes a student's current achievement relative to his/her academic peers who scored similarly on previous state assessments
 - Percentiles range from 1 to 99 a higher percentile is better, but a low percentile still signifies growth

Growth Category	Student Growth Percentile (SGP)
Low Growth	1 - 34
Typical Growth	35 - 69
High Growth	70 - 99



How is growth calculated?

- In order to calculate a SGP, each student's growth is compared to the growth of his/her academic peers (students who scored similarly on previous assessments)
- Academic history is the only factor by which students are grouped
- At least 2 consecutive state assessment scores are needed to calculate a SGP (e.g., RICAS ELA grade 5 to grade 6)



How is growth calculated?

Grade 5: Grade 6: **RICAS ELA Assessment RICAS ELA Assessment** Alisha: 505 Alisha: 506 Meets Expectations **Meets Expectations** 99th 50th 1^{st} SGP 38



Why is the RIGM useful?

The Rhode Island Growth Model enables us to look at growth in addition to proficiency to get a fuller picture of student achievement

Currently, RICAS results can tell us whether Alisha has reached proficiency.

But with the growth model, we can also determine how much academic growth Alisha has made relative to her academic peers.

It allows us to ask:

- Are districts, schools, and students making progress?
- What level of progress is being made?
- Are there gaps in growth between subgroups?



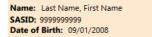
RICAS Student Score Report Spring 2019

- Achievement Level
 - $\,\circ\,$ Identifies if student is on-track with grade-level expectations
- Overall Score
 - Articulates Student's Overall Score on ELA and Mathematics test Spring 2019
 - Score Range: 440-560

Growth Percentile

 Percent of Rhode Island students who had a similar score to student on the RICAS assessment

Spring 2019 RICAS Parent/Guardian Report



District: Local Education Agency School: Elementary School Grade: 4

This report provides your child's results from the 2019 Rhode Island Comprehensive Assessment System (RICAS) tests in English Language Arts and mathematics.

For each subject, the report shows:

- Your child's score between 440 and 560 and their achievement level
- Your child's achievement compared to school, district, and state averages
- · How your child performed in reading and mathematics based on the test reporting categories
- A growth score that shows how your child performed compared to last year

State tests provide valuable information for you and your child's teacher. These results give you the ability to compare your child's school to schools across the state. They also let you track your child's progress over time. We hope this report can help inform and empower you as you advocate for your child. You know your child best.

For more information on how to understand the results, visit www.RIDE.ri.gov/Assessment-Results.

Your Child's O	verall Results
English Language Arts	Mathematics
Achievement Level	Achievement Level
Meeting Expectations	Meeting Expectations
Score	Score
509	505
(Score range: 440-560)	(Score range: 440-560)
Growth Percentile	Growth Percentile
53	70
Details on page 2	Details on page 3

Did you know that establishing family routines can help your child succeed? Make a habit of setting up designated times for homework, reading, mealtimes, family conversations, bedtime, and leaving for school each day.

What do I do next?

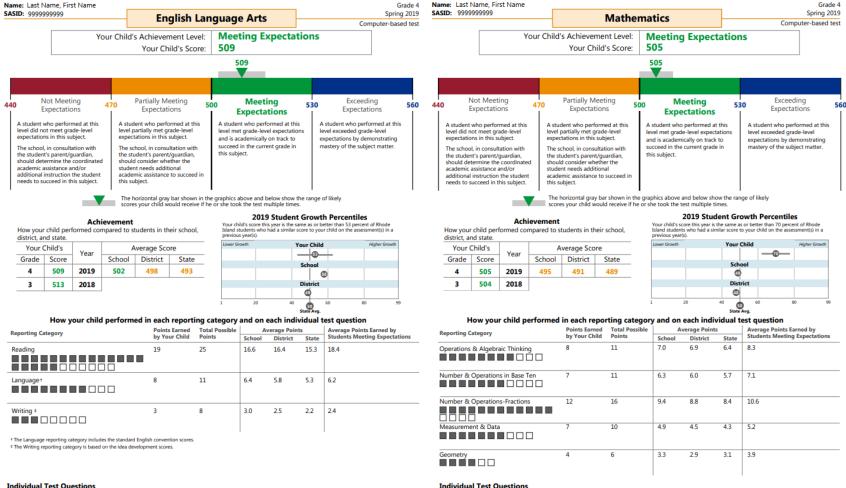
After reviewing this report, it is critical that you attend family-teacher conferences **and discuss with your child's teachers your questions and concerns**. Don't be afraid to speak up. Children whose families stress the value of education are more likely to find it important, as well.

How can I support my child's education?

- School attendance matters, every single day. Missing just two days of school a month is chronically absent, so make it a priority to get your child to school on time daily.
- · Establish daily reading routines, let your child see you read, and encourage your child to read for fun all year long.
- Get involved and stay connected to your child's school, however and whenever you can.
- Share your voice! Help improve your child's school by participating in SurveyWorks every year.
- Start a conversation. Ask questions. Talk to your child about what they're learning, and show an interest in the subjects that excite them.



English Language Arts & Mathematics Score Information





Individual Test Questions

Q	estion Number	1	2	3	4	5	6	7	å	8 1D	9	10	11	12	13	14	15	16 CV	16 ID	17	18	19	20	21	22	23	24		
Po	ints Earned	1/1	1/1	1/1	2/2	0/1	1/1	2/2	2/3	2/4	0/1	1/1	1/1	2/2	1/1	1/1	2/2	1/3	1/4	1/1	0/1	1/1	0/1	1/2	2/2	1/1	2/3		
Ke	y x/y = x point						s pos	sible				ce =																	
	ID = Essav idea	deve	elong	nent s	core					V =	Eccav	com	entio	ns sr	ore														

Question Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 Key x/y = x points earned out of y points possible Blank space = no answer

What do the scores look like?

- Student's score
 - $\circ~$ A student receives a scale score between 440 and 560 $\,$
 - RICAS uses four performance levels that describe how well student(s) meet the expectations for their grade level:
 Not Meeting Expectations, Partially Meeting Expectations, Meeting Expectations, and Exceeding Expectations
 - Meeting Expectations means that students are able to demonstrate grade level expectations while Exceeding Expectations means that students are showing mastery of the grade level expectations
 - A triangle marks where the student's score falls on the chart, with a gray bar showing the range of scores a student could receive if they took the test multiple times, like in this example:

140	Not Meeting 4 Expectations	<mark>70</mark>	Partially Meeting Expectations	500	Meeting Expectations	53	 Exceeding Expectations 	56
	A student who performed at this level did not meet grade-level expectations in this subject.		A student who performed at this level partially met grade-level expectations in this subject.		A student who performed at this level met grade-level expectations and is academically		A student who performed at this level exceeded grade-level expectations by demonstrating	
	The school, in consultation with the student's parent/guardian, should determine the coordinated academic assistance and/or additional instruction the student needs to succeed in this subject.		The school, in consultation with the student's parent/guardian, should consider whether the student needs additional academic assistance to succeed in this subject.	n	on track to succeed in the curren grade in this subject.	t	mastery of the subject matter.	



What do the scores look like?

- Achievement comparison
 - $\,\circ\,$ If the student took RICAS last year, that score is listed
 - Average scores show how the student, their school, and their district compare with the state average
 - Scores are color coded to match the achievement level for quick reference, like in this example:

Achievement

How your child performed compared to students in their school, district, and state.

Your (Child's	Year	А	verage Sco	ire
Grade	Score	Teal	School	District	State
4	509	2019	502	498	493
3	513	2018			

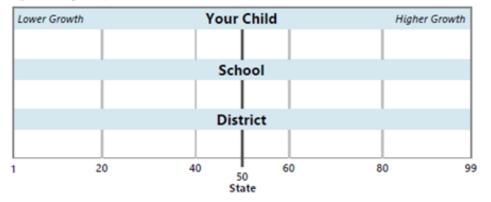


What do the scores look like?

 Student growth percentiles (SGP) compared to average growth at the school, district, and state

2019 Student Growth Percentiles

Your child's score this year is the same as or better than percent of Rhode Island students who had a similar score to your child on the assessment(s) in a previous year(s).



On a scale of 1 (low growth) to 99 (high growth), the SGP describes your child's learning over time compared with their academic peers (other Rhode Island students in the same grade who had similar scores on previous state level tests).



What are Reporting Categories and Item Level Information?

Page 2 of 4

- Each content area has multiple reporting categories. This chart shows how many points the student received out of the total for each category, as well as the average statewide for students who performed close to a proficient score.
- This display also shows how many points the student earned on each question on the test.
- This information can be used, in conjunction with released items, item descriptions, and other materials, to see where a student is succeeding and where they may need additional support to enhance specific content area skills needed to master grade-level standards.

ELA – three reporting categories for all grades

How your child performed i	n each report	ing category	and on	each indiv	vidual t	est question
Reporting Category	Points Earned	Total Possible	A	verage Point	ts	Average Points Earned by
http://ligencycly	by Your Child	Points	School	District	State	Students Meeting Expectations
Reading	19	25	16.6	16.4	15.3	18.4
Language+	8	11	6.4	5.8	5.3	6.2
Writing *	3	8	3.0	2.5	2.2	2.4
* The Language reporting category includes the standard Engli	sh convention scores.					

* The Writing reporting category is based on the idea development scores.

Individual Test Questions

Question Number	1	2	3	4	5	6	7	å	8 ID	9	10	11	12	13	14	15	16 CV	16 ID	17	18	19	20	21	22	23	24		
Points Earned	1/1	1/1	1/1	2/2	0/1	1/1	2/2	2/3	2/4	0/1	1/1	1/1	2/2	1/1	1/1	2/2	1/3	1/4	1/1	0/1	1/1	0/1	1/2	2/2	1/1	2/3		
Kev $x/y = x$ points	s ear	ned	out c	of v r	point	s nos	ssible		Blank	sna	ce =	no a	nsw	er														

ID = Essay idea development score CV = Essay conventions score

Math – 4-5 reporting categories, varies by grade

How your child performed	l in each repo	rting category	y and on	each indiv	idual t	est question			
Reporting Category	Points Earned	Total Possible	A	verage Points	5	Average Points Earned by			
Reporting Category	by Your Child	Points	School	District	State	Students Meeting Expectations			
Operations & Algebraic Thinking	8	11	7.0	6.9	6.4	8.3			
Number & Operations in Base Ten	7	11	6.3	6.0	5.7	7.1			
Number & Operations-Fractions	12	16	9.4	8.8	8.4	10.6			
Measurement & Data	7	10	4.9	4.5	4.3	5.2			
Geometry	4	6	3.3	2.9	3.1	3.9			

Individual Test Questions

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2019 RICAS Statewide Results for ELA and Math

Participation in RICAS RI Performance 2015-2019 Understanding the Data Statewide ELA and Math: Achievement levels, 2018-19 grade level comparison, performance by subgroup



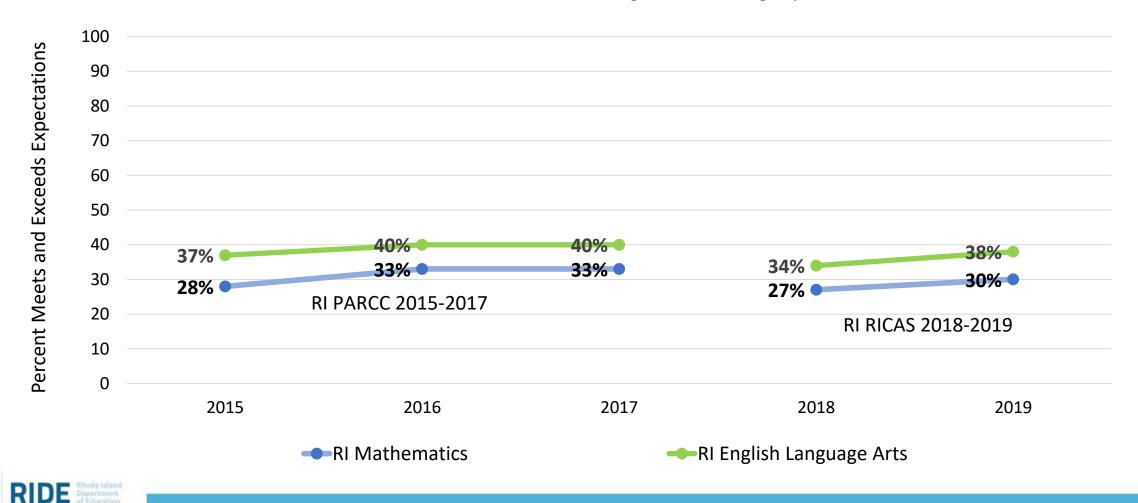
Participation in RICAS assessment

In grades 3-8, over 98% of students statewide participated in the RICAS English language arts and mathematics assessments



RI Performance 2015-2019

Grades 3-8 Percent of Students Meeting and Exceeding Expectations

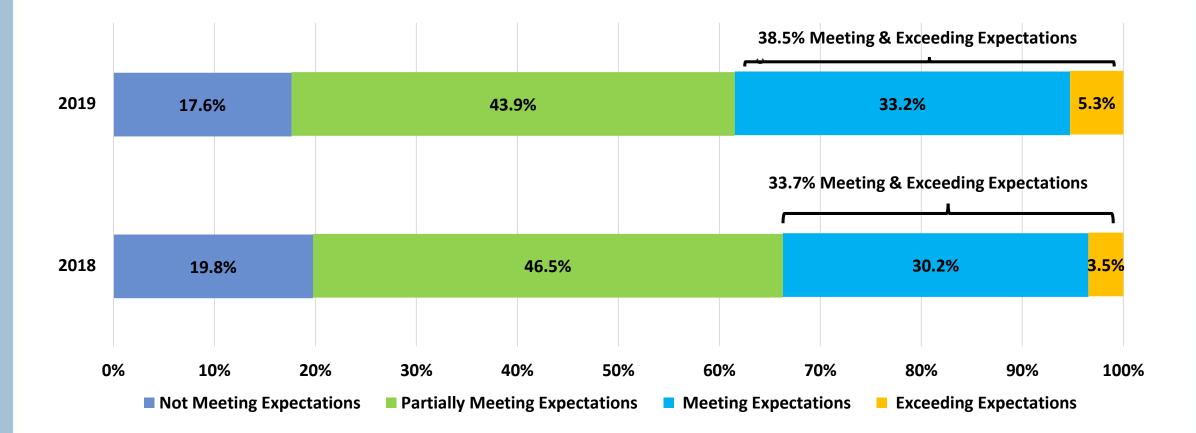


Understanding the Data

- It is typical, and to be expected, to see a bump in performance in the second year of a test administration.
- Although results are heading in the right direction, **it is too early** to determine trends.
- Rhode Island saw a similar bump in performance in our second year of PARCC.

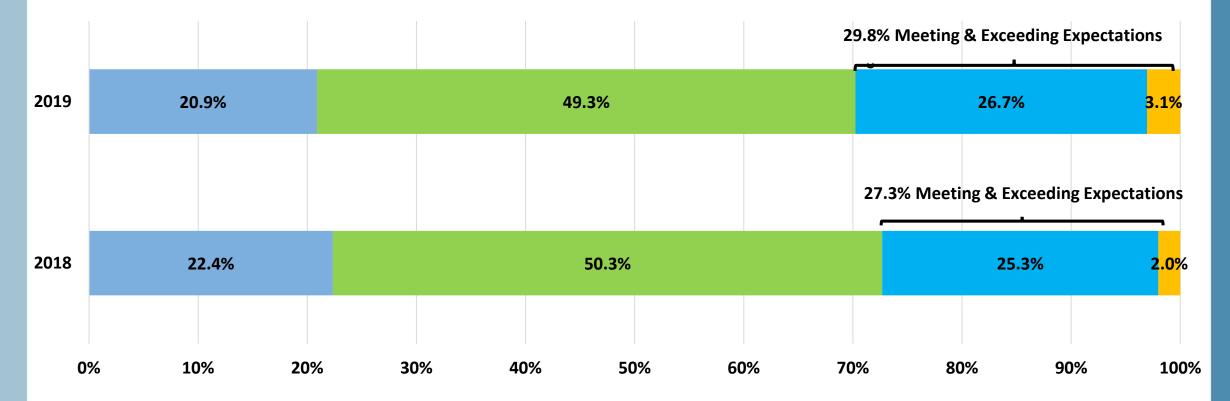


RICAS English Language Arts improves by 5 percentage points





Mathematics improves, but continues to be area of weakness

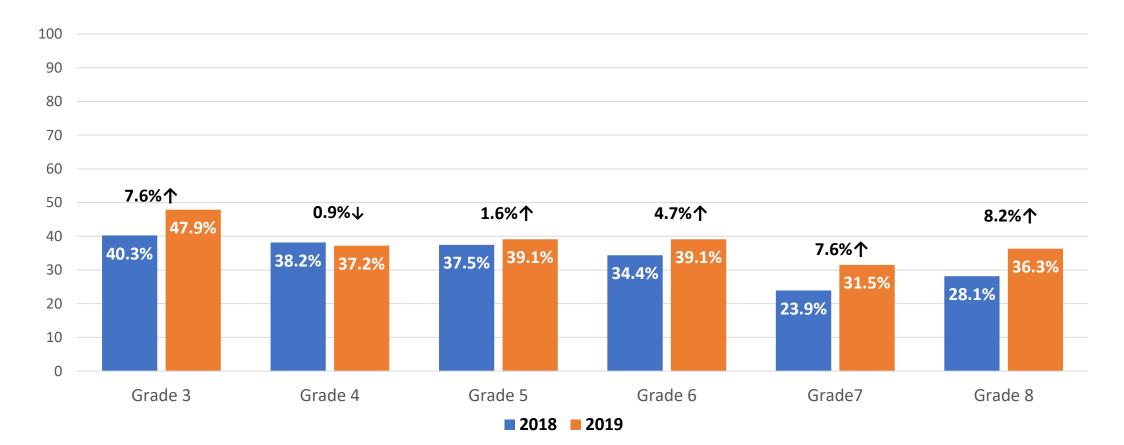


Not Meeting Expectations Partially Meeting Expectations Meeting Expectations Exceeding Expectations



English Language Arts improves in almost all grades

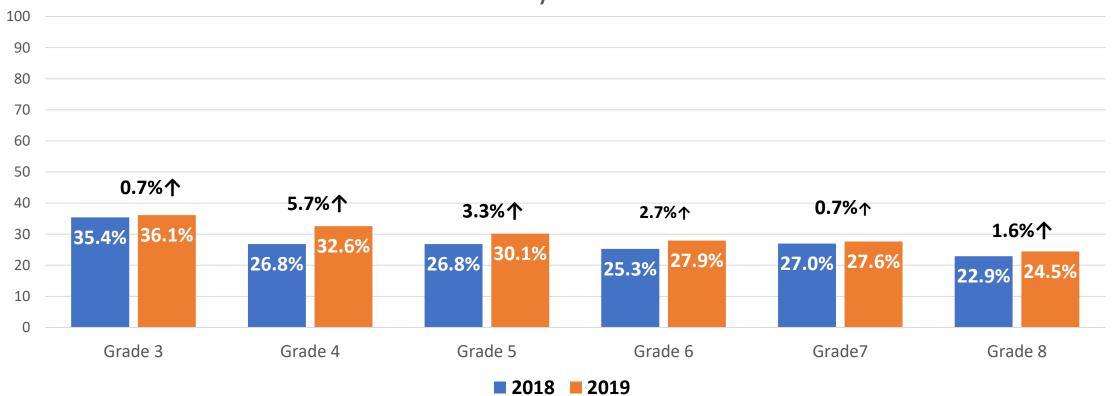
English Language Arts Percent Meeting and Exceeding Expectations by Grade





Upward Trend for Mathematics

Mathematics Percent Meeting and Exceeding Expectations by **Grade**





Equity Gaps Persist

- Persistent equity gaps remain and require sustained attention.
- In particular, we are **significantly underserving** our differently abled and multilingual learners.
- On both ELA and math, differently abled and multilingual learners are performing at **single-digit** proficiency levels.
- It is essential that we call these gaps out and have intentional strategies to serve all students.



While subgroup performance improved, large gaps persist

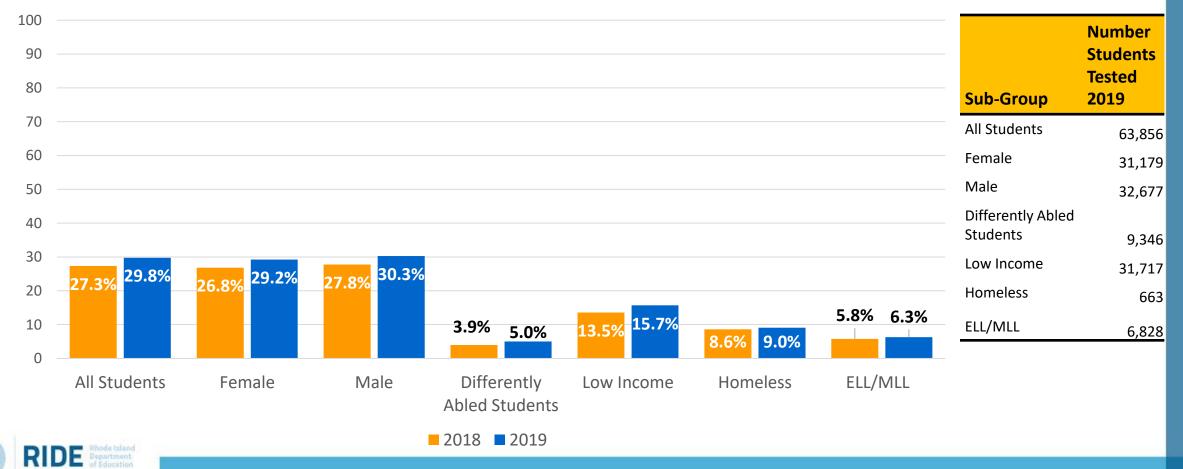
English Language Arts Percent Meeting and Exceeding Expectations by Number Subgroup **Students** 100 Tested 90 Sub-Group 2019 80 All Students 63,155 70 Female 30,856 60 32,299 Male 50 **Differently Abled** 44.8% 40 Students 9,328 40.0% 38.5% 30 33.7% 32.4% 31,232 Low Income 27.7% 20 22.5% Homeless 668 19.0% 18.6% 10 5.8% 6.1% 14.2% ELL/MLL 6,128 4.5% 7.9% 0 All Students ELL/MLL Female Male **Differently Abled** Low Income Homeless **Students**

2018 2019

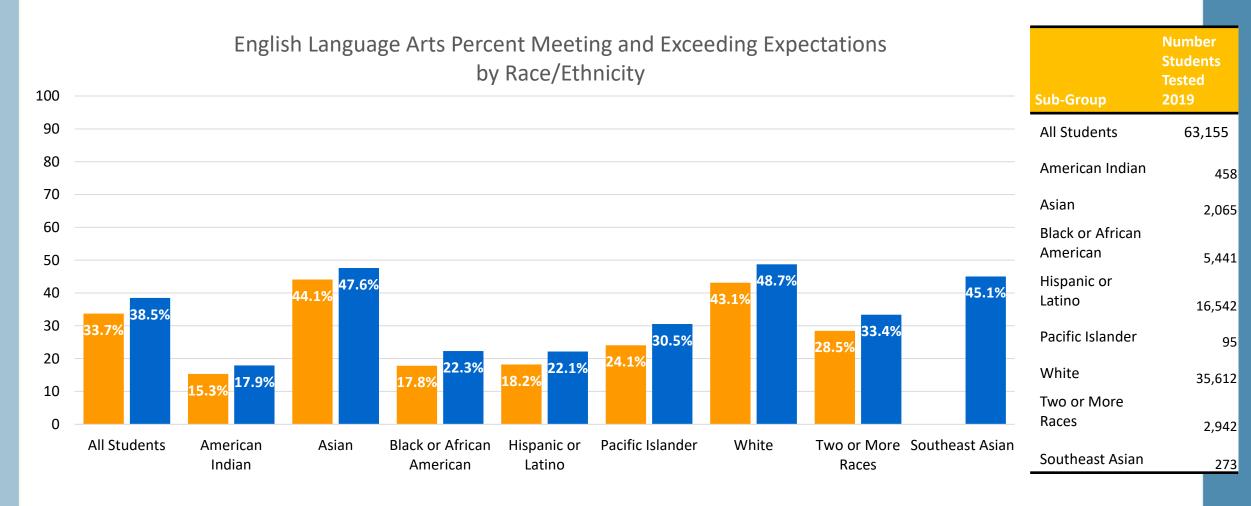
RIDE Rhode Island

Gaps Persist in Mathematics Too

RICAS Mathematics Percent Meeting and Exceeding Expectations by Subgroup



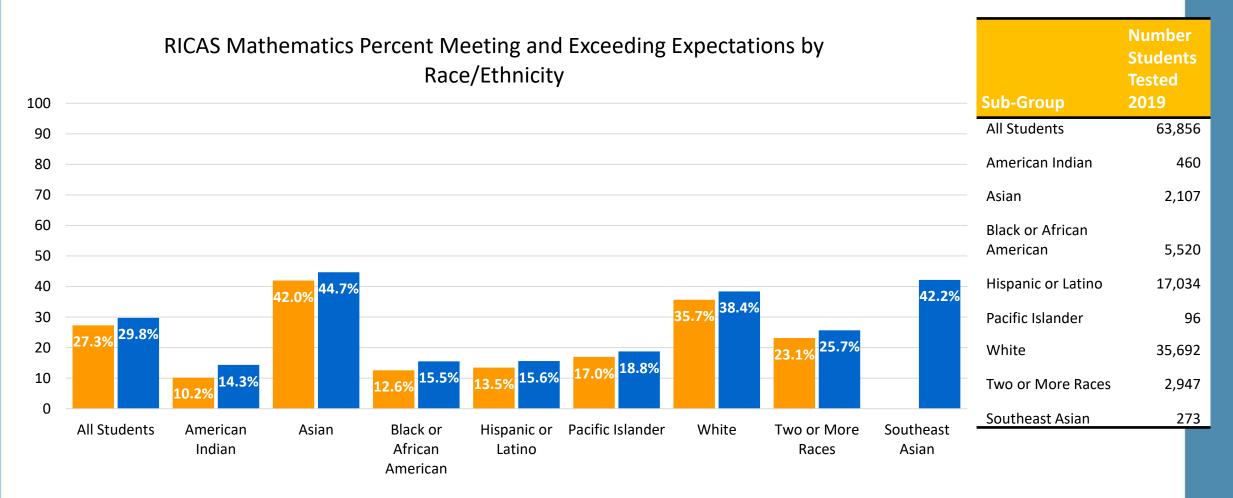
Gaps Persist for Many Students







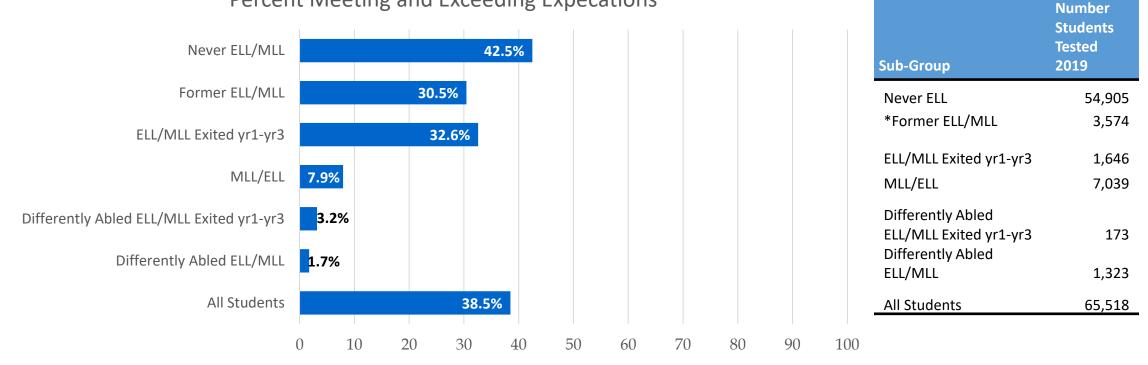
Mathematics Performance by Race/Ethnicity





Multilingual Learner ELA Performance

RICAS English Language Arts 2019 Percent Meeting and Exceeding Expecations

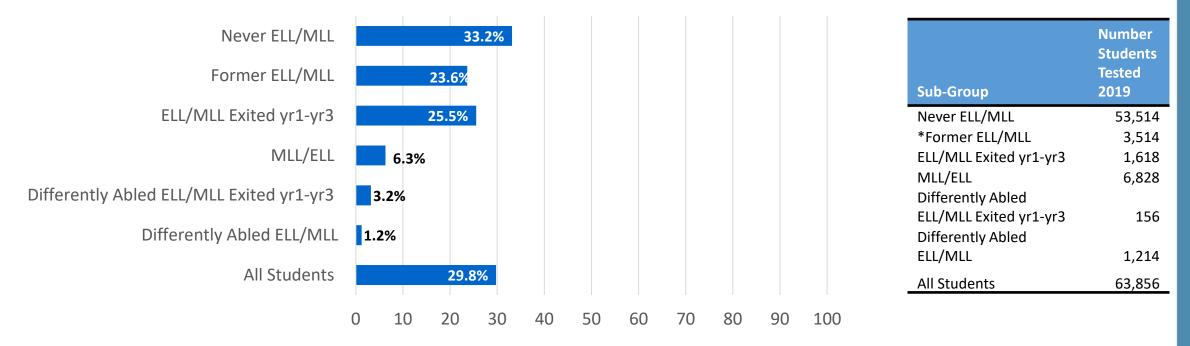


*Former ELL/MLL exited more than 1 or more years



Multilingual Learner Mathematics Performance

RICAS Mathematics 2019 Percent Meeting and Exceeding Expecations

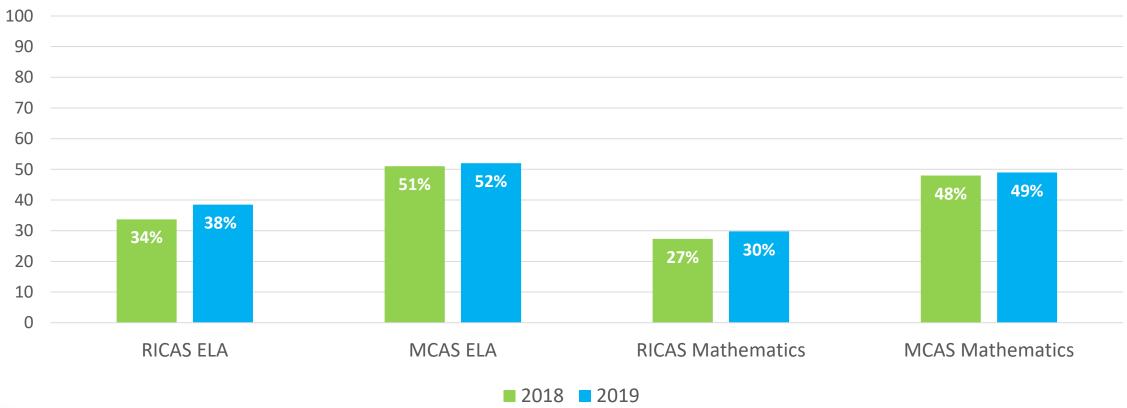


*Former ELL/MLL exited more than 1 or more years



Massachusetts Continues to Outperform

Percentage of Students in Grades 3-8 Meeting and Exceeding Expectations in Mathematics and English Language Arts





Using RICAS Data

How can we use this data? Using RICAS Scores What other data and resources can we use with RICAS? Some queries to use with the RI-ADP Item Analysis



How can we use this data?

- RICAS data is useful for:
 - Analyzing overall school and district performance on a particular standard or reporting category
 - \circ Indicating areas of strength and areas for growth at the school and district level
 - \circ Measuring individual student performance on a particular set of standards
- Cautions to keep in mind:
 - RICAS data should be used in conjunction with other sources of data to provide a complete picture of student performance, as well as overall teaching and learning – it should not be the sole data used to decide students' supports or coursework
 - Item-level analyses are useful, but need to be undertaken in the context of the instruction and curriculum as actually taught and used in the classroom



Using RICAS Scores

- Achievement Levels
 - \circ Best measure of whether students met expectations for their grade level
 - o Useful to evaluate individual student, subgroup, school, district, and state performance
 - $\,\circ\,$ Best statistic: percent of students at each performance level

Scale Scores

- $\,\circ\,$ Most useful to capture performance changes over time, particularly with relation to the cut points for the achievement levels
- $\,\circ\,$ Best statistic: Average scaled score within a test/grade level
- $\,\circ\,$ Not to be confused or interchanged with "percent correct"



What other data and resources can we use with RICAS?

- RICAS released items (CBT, PBT; Digital Item Library)
- ACCESS (e.g., comparing achievement levels on ACCESS and RICAS)
- Released student work samples
- Local summative assessments
- Formative and interim assessments
- Attendance data



Some queries to use with the RI-ADP:

- Subgroup performance (e.g., students without disabilities vs. students with disabilities)
- RICAS by ACCESS ELP level (e.g., RICAS meeting expectations vs. ACCESS bridging or reaching)
- Schools within your district at the same grade level
- Compare achievement level data for your school with local attendance data
- Subscore analysis to identify specific areas of strength and areas for growth



Item Analysis

- RIDE's item analysis tools can assist schools and districts in utilizing the RICAS assessment data as they review and improve curriculum and instruction
- Excel and Google Sheets include a drop-down menu for school selection – no need for data transfer

ltem 👻	Reporting Category	Standard 👻	Item Type 👻	Item Description 👳	Correct -	Release 	Possible 🚽	School Average = Points	District Average = Points	State Average 🐨 Points	School Percent = Correct	District Percent = Correct	State Percent = Correct	School - State = Diff.	School - District Diff.
		L.4.1, L.4.2, L.4.3, W.4.3,		Write a narrative from the main character's point of view		Net Colored	7	2.11	1.81	2.09	30%	26%	30%	0	4
16 17	Language, Writing Reading	W.4.4 RI.4.5	ES SR	describing what might happen next in the passage. Determine how a section of the passage is organized.		Not Released	1	0.65	0.66	0.6	65%	66%	60%	5	-1
18	Reading	RI.4.1	SR	Identify a detail related to the topic of the passage.		Not Released	1	0.38	0.43	0.45	38%	43%	45%	-7	-5
19	Reading	RL4.7	SR	Analyze how a text feature supports an idea presented in the passage.		Not Released	1	0.78	0.62	0.62	78%	62%	62%	16	16
20	Reading	RL4.7	SR	Determine the importance of a text feature to the reader's understanding of the passage.		Not Released	1	0.62	0.7	0.69	62%	70%	69%	-7	-8
21	Reading	RI.4.3	SR	Select details related to the topic of the passage. Identify the topic of a section of the poem and choose evidence		Not Released	2	1.46	1.38	1.38	73% 69%	69% 62%	69% 62%	4	4
22	Reading	RL.4.3	SR	from the poem that best supports the topic.		Not Released			0.44						
23	Reading	RL.4.1	SR	Interpret the meaning of a line in the poem.	-	Not Released	1	0.46		0.43	46%	44%	43%	3	2
24	Reading	RI.4.9	CR	Write a paragraph that explains an idea from the passage and the poem; use important details from both texts as evidence.		Not Released	3	1.32	1.49	1.51	44%	50%	50%	-6	-6
dea Score Essay							4	1.43	1.28	1.18	36%	32%	30%	6	4
Conventions Essay 1							3	1.27	1.24	1.1	42%	41%	37%	6	1
dea Score Essay 2							4	1.11	0.92	1.08	28%	23%	27%	1	5
Conventions Essay 2							3	1	0.91	1.05	33%	30%	35%	-2	3
Reading							25	16	15.5	15.35	64%	62%	61%	3	2
Writing							11	5.68	5.64	5.28	52%	5196	48%	4	0
Language							8	2.54	2.15	2.19	32%	27%	27%	4	5
100%	A	•	Gra	ide 4 ELA Item Analysis Graph			100%		ELA Grade	e 4 - Percent C	orrect by Cate	gory			
25% 50% 60% 1	2 3 4	5 6 7	8 9	10 11 12 13 14 15 16 17 18 19 20	21 22 23	24	25%								
				Item Number			Ick	na Score Essay 1 Co	riventions I Idea Sco Essay 1	re Essay 2 Conver Essa	tions Reading y 2	8 Writing	Language		



How to explain data to families

- Individual Student Reports
 - $\,\circ\,$ Go through full score report
 - Include details from curriculum (e.g., how covering topics/skills, how plan to address areas for growth)
- School and District Data
 - What you learned from analyzing data: what you found are areas of strength and areas for growth
- RIDE's "Resources for Families" page: <u>www.ride.ri.gov/Families</u>
 - $\,\circ\,$ FAQs about content standards and assessments
 - $\,\circ\,$ Guidance and flyers explaining assessment concepts
 - $\,\circ\,$ Report shells in various languages for all assessments



Next Steps...

- As part of RICAS Analysis:
 - $\,\circ\,$ Review Data at District, School, and Student level
- Identify areas for improvement:
 - $\,\circ\,$ Reporting Category, Standard, and/or Item Type
- Dig into the Released Items, Student Work Samples, & Rubrics
- Calibrate RICAS expectations both for educators & students
- Review curriculum and current instructional practices
- How might this analysis refocus current standards instruction?



Resources



RICAS Resources

- RIDE Assessment Results: <u>www.ride.ri.gov/Assessment-Results</u> (includes resources to support interpretation of results: RIGM information, ISR shells and translations)
- Released Items:
 - RIDE Released Items: <u>www.ride.ri.gov/Released-Items</u> (CBT and PBT for 2018 and 2019; Item Analysis Tool)
 - Rhode Island Digital Item Library: <u>https://ricas.digitalitemlibrary.com/home</u>
- RIDE Resources for Families: <u>www.ride.ri.gov/Families</u>
- RICAS Resource Center: <u>http://ricas.pearsonsupport.com/</u>
- RI Assessment Data Portal:
 - Public: <u>https://lms.backpack.education/public/ride</u>
 - Confidential: <u>http://ridemap.ride.ri.gov</u>
 - September 2019 Test Coordinator Webinar: information about accessing the RI-ADP



Thank you!

If you have questions about this presentation, please contact <u>assessment@ride.ri.gov</u>

