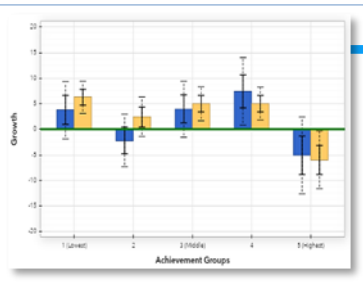


### Old

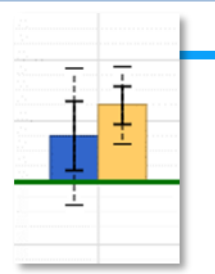
#### BLUE & YELLOW BARS

Blue bars represented the most recent year of data, and yellow bars represented up to three previous years.



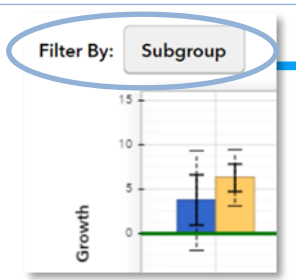
#### BAR WITH STANDARD ERROR WHISKERS

Each bar displayed a solid whisker representing one standard error and a dotted whisker representing two standard errors.



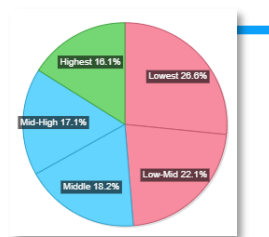
#### STUDENT GROUPS FILTER

To filter by a student group, you clicked on **Subgroup** and selected the student group from a pop-up menu.



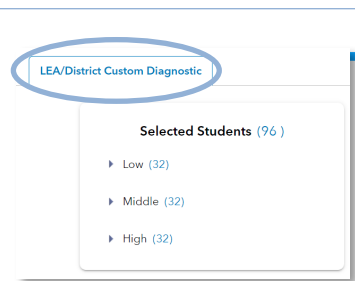
#### PIE CHART

You could change the bar chart to a color-coded pie chart that indicated the growth results and showed the percentage of students in each group.



#### CUSTOM DIAGNOSTIC

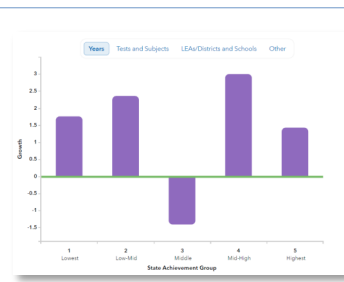
You could click on **LEA/District Custom Diagnostic** to select students and create a Custom Diagnostic report.



### New

#### PURPLE BARS

Purple bars represent the most recent year of data. Click **Add a Year** to add up to three more years when available.



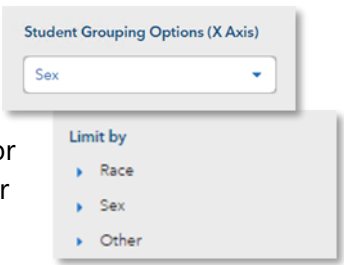
#### ADD CONFIDENCE BANDS

Under Graph Options in the filter panel, select **Bar Chart with Confidence Bands**. View either the 95% confidence band (two standard errors) or the 68% confidence band (one standard error).



#### TWO FILTER OPTIONS

Select a student group from the **Student Grouping Options** menu or from the **Limit by** menu for two different views.



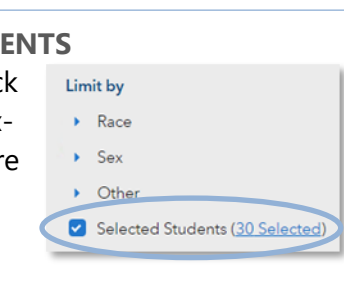
#### COLOR-CODED TABLE

Growth averages are now color-coded in the table. Click on **Percentage of Students** to view.

	State Achievement Group				
	1 Lowest	2 Low-Mid	3 Middle	4 Mid-High	5 Highest
Average	-2.14	4.50	2.72	-0.21	2.21
Standard Error	8.27	1.88	1.63	2.07	3.45
Student Count	7	16	18	14	14
Percentage of Students	10.1	23.2	26.1	20.3	20.3

#### LIMIT BY SELECTED STUDENTS

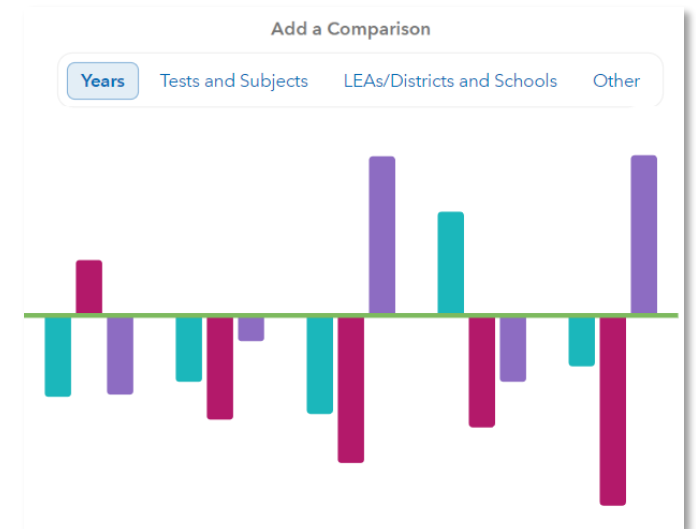
In the **Limit by** menu, check **Selected Students**. This expands the student list where you can select and submit specific students.



## Features of the LEA/District & School Diagnostic Reports

### EASY COMPARISONS

Compare years, tests and subjects, or schools, viewing up to four results at the same time.



### NEW MEASUREMENT AND GROUPING OPTIONS

Want to view the percentage of students reaching proficiency or higher in each student group? No problem. Want to view results sorted into three achievement groups instead of five? Go for it. You're in control of the data you want to see using the new interactive selections.

### EXPANDABLE STUDENT LIST

Expand the student list to view information such as growth, entering achievement, and performance level. You can also sort and select specific students to be included in your own custom graph.

« Expand Student List

PSSA Math 5th Grade  
State Achievement Group  
(Five Groups)

69 Students

### I want to know...

The growth of students from different achievement groups for the most recent reporting year.

The growth results for a different test and subject.

How the most recent year's growth pattern compares to patterns from previous years.


How to view a different measurement option and a different grouping option.

More information about the data represented by each bar on the graph.

### What do I click?

- ⇒ Login to PVAAS
- ⇒ Go to the **Reports** menu
- ⇒ Select **Diagnostics** under the School Reports or LEA/District Reports menu
- ⇒ In the filter panel, find **Base Test & Subject**
- ⇒ Use the drop-down menu to select a different test and subject
- ⇒ Make sure the **Add a Comparison** tab is on **Years**
- ⇒ Click on **+Add a Year**
- ⇒ Select the years you want
- ⇒ Click **Compare Years Separately**
- ⇒ In the filter panel, find **Measurement Options (Y Axis)** and select a new option
- ⇒ Now under **Grouping Options (X Axis)**, select a new option
- ⇒ In the filter panel, find **Graph Options** and select **Box Plot**
- ⇒ Note: This option is not available for percentage-based measurements.

### What will I see?

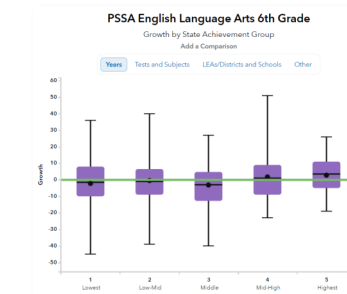
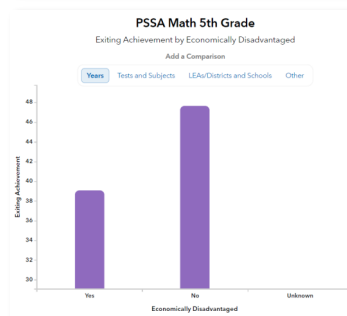
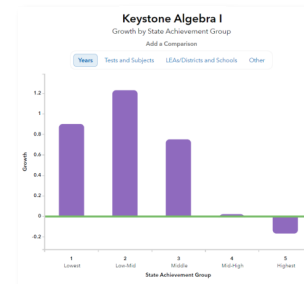
You will see a graph showing growth by state achievement groups for an assessment in the most recent year. Click  in the filter panel to return to this default view anytime.

You will see a graph for the selected test and subject. You can also use filters to make changes to this new base test and subject.

You will see graphs for the selected years side-by-side. You can view up to four results when available. You can also view other comparisons, such as tests and subjects.

You will see a graph with bars at various heights that represent the newly selected measurements. Each bar represents a student group from the selected grouping option.

You will see box plots with minimum, maximum, average, and median values, as well as 75<sup>th</sup> and 25<sup>th</sup> percentile marks. Visit the **Glossary** for more information.



## Measurement Options

### Growth

Estimate of the growth that students in a group made, on average, in a grade and subject or course.

### Difference between Actual and Pre-Pandemic Projected Score

Difference between actual and projected scores, where projected scores are based on students' prior achievement and the pre-pandemic average schooling experience. Negative values indicate not meeting projected scores, and positive values indicate exceeding them.

### Entering Achievement

Entering achievement is either the average of the students' NCEs from the most recent prior year available or the average of the students' predicted scale scores.

### Exiting Achievement

Exiting Achievement is either the average of the students' current year NCEs or the average of the students' actual scale scores.

### Percentage Options

- Percentage of Students Meeting or Exceeding Predicted Score
- Percentage of Students Reaching Proficiency or Higher
- Percentage of Students Reaching Advanced or Higher

## Student Grouping Options

### State Achievement Group

Sorts students into groups based on where their achievement in the selected subject falls in the state distribution.

### LEA/District Achievement Group

Sorts students into groups based on where their achievement in the selected subject falls in the district distribution.

### School Achievement Group

Sorts students into groups based on where their achievement in the selected subject falls in the school distribution.

### Expected Performance Level

Groups students according to their expected performance level for the selected subject based on their prior performance.

### Demographic Options

Student results are sorted into groups by race, sex, or other characteristics as available.