

Visualizing ESSA

DATAG October 2019

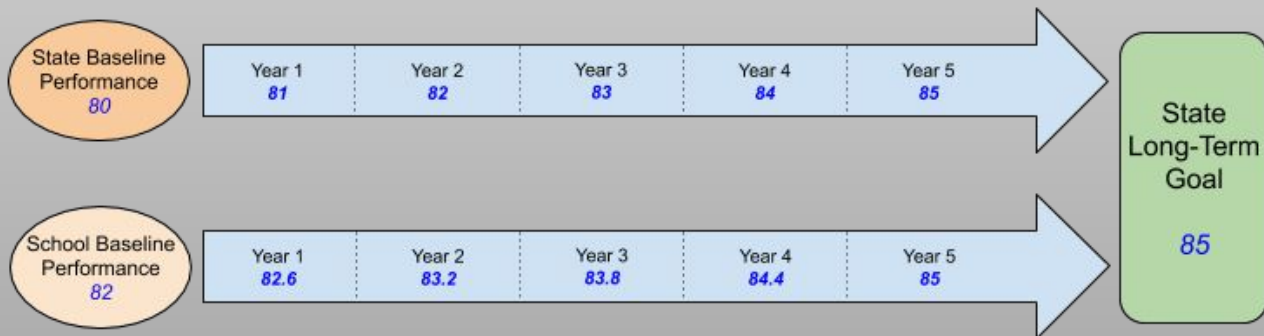
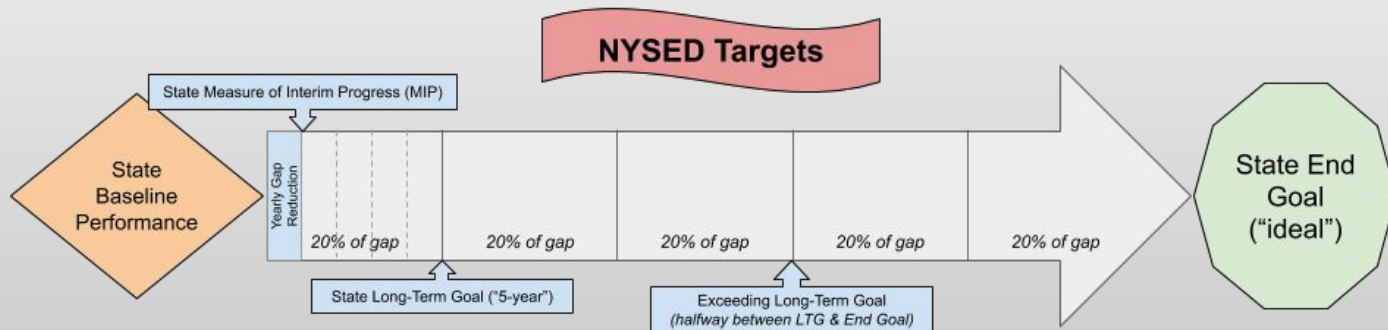
Carol Eckl

Objectives

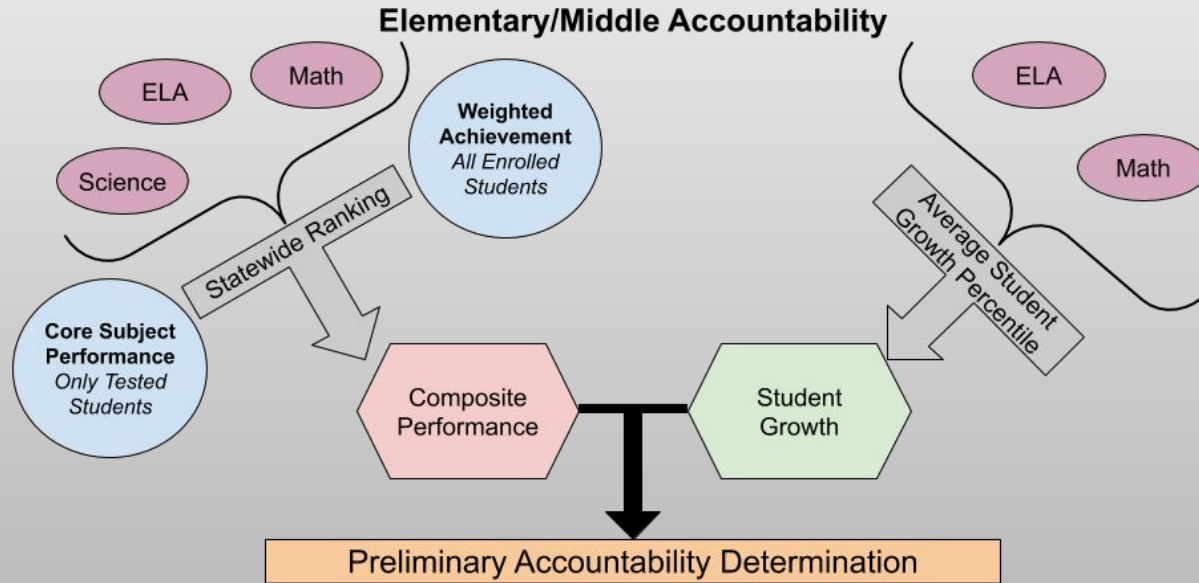
1. Create a visual representation that summarizes ESSA and helps people to understand the complexity of the current accountability system.
2. Create charts that model the calculations for each measure and allow people to explore the data at multiple levels.

Part 1: Understanding ESSA Calculations

Visualizing MIPs



Visualizing Overall Accountability



Additional Measures that will be used in Final Accountability Determination

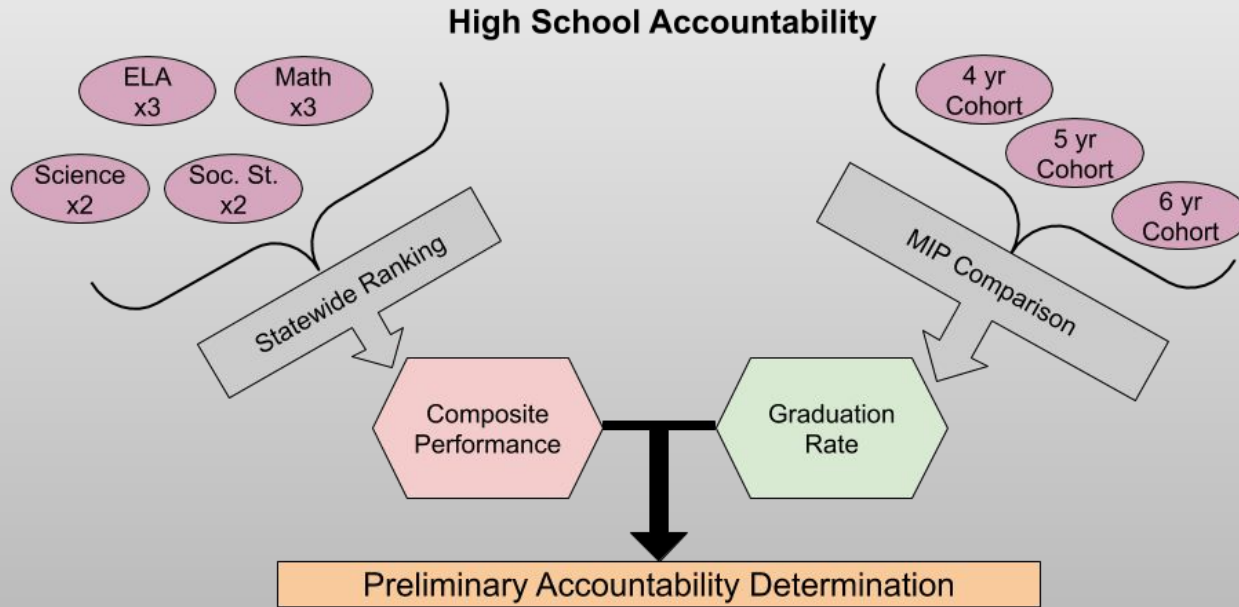
Academic Progress

ELL Proficiency Progress

Chronic Absenteeism

Out-of-School Suspensions

Visualizing Overall Accountability



Additional Measures that will be used in Final Accountability Determination

Academic Progress

College, Career & Civic Readiness

ELL Proficiency Progress

Chronic Absenteeism

Out-of School Suspensions

Part 2: Analyzing ESSA Calculations

MIP-based Measures

College, Career & Civic Readiness District, 2018 graduates

■ Exceeded State Long-Term Goal ■ State Long-Term Goal ■ 2017-18 State MIP ■ 2017-18 School MIP ■ 2017-18 Actual

Level 4 (PI=154.03)

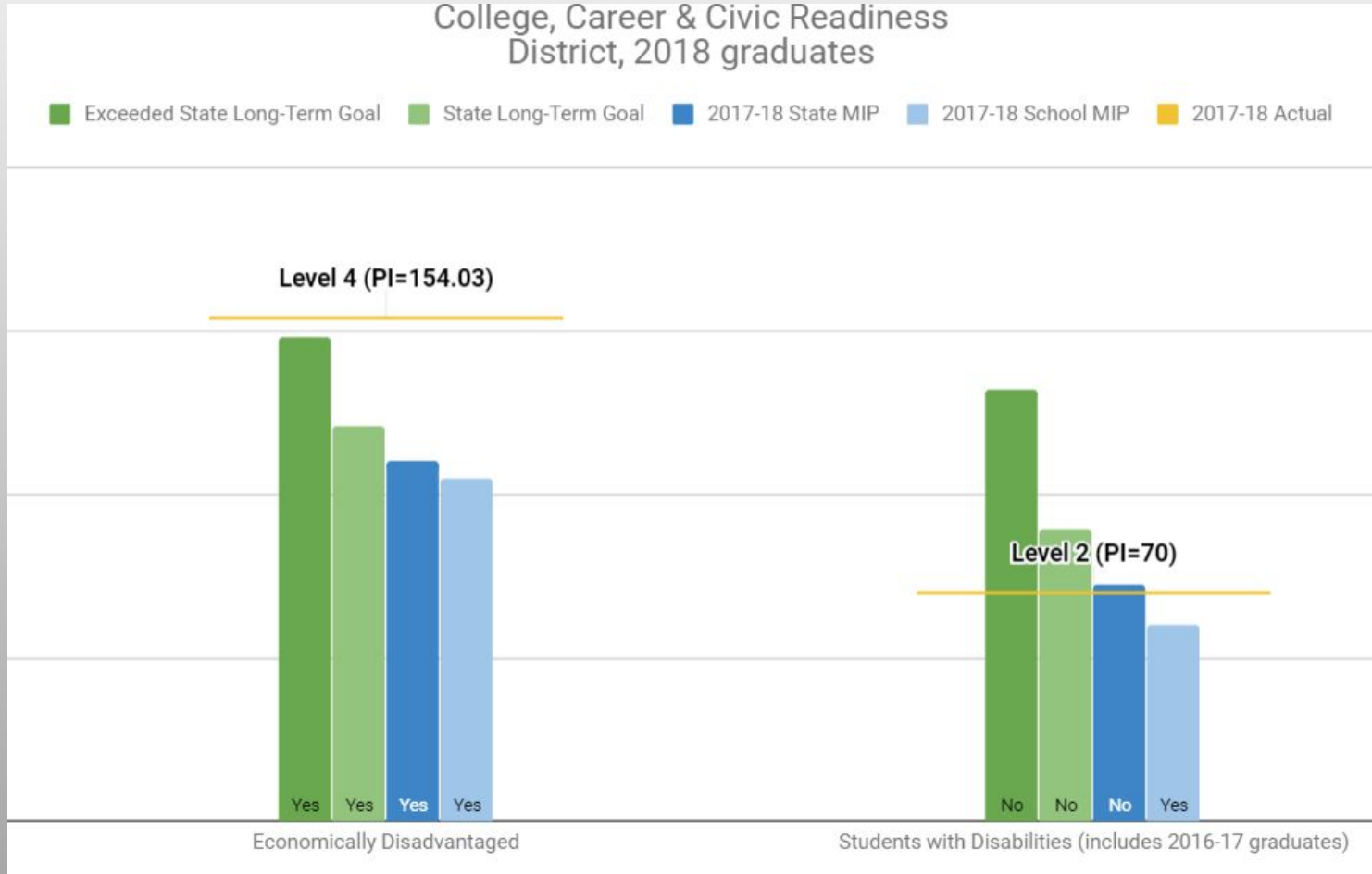
Yes Yes Yes Yes

Economically Disadvantaged

Level 2 (PI=70)

No No No Yes


Students with Disabilities (includes 2016-17 graduates)



Behind the scenes


- Col 1: Group Name -- add blank row with space to create separation
- Columns 2-6 -- imported from spreadsheet provided by NYSED
- Columns 7-10, 12, 14 -- formula: $\text{IF}(\text{actual} \geq \text{target}, \text{"Yes"}, \text{"No"})$
- Columns 11 & 13-- formula: $\text{max OR min}(\text{state mip}, \text{school mip})$
- Column 14 -- formula: $\text{IF}(\text{exceeded state goal} = \text{"Yes"}, \text{"4"}, \text{IF}(\text{AND}(\text{met state goal} = \text{"Yes"}, \text{met higher mip} = \text{"Yes"}), \text{"4"}, \text{IF}(\text{met higher mip} = \text{"Yes"}, \text{"3"}, \text{IF}(\text{AND}(\text{met state goal} = \text{"Yes"}, \text{met lower mip} = \text{"Yes"}), \text{"3"}, \text{IF}(\text{met lower mip} = \text{"Yes"}, \text{"2"}, \text{"1"}))))))$
- Column 15 -- formula: concatenate to create desired label

Building the chart

 Chart editor ×

Setup Customize


Chart type

 Combo chart ▼

Stacking

None ▼


Data range

Dist!B1:C8,Dist!H1:H8,Dist!D1:D8,| 

Combine ranges

Horizontally ▼


X-AXIS

 GROUP NAME ⋮

SERIES


123 Exceeded State Long-Ter... ⋮

LABEL

 Exc SG met? ⋮


123 State Long-Term Goal ⋮

LABEL

 SG Met? ⋮


123 2017-18 State MIP ⋮

LABEL

 State MIP met? ⋮

123 2017-18 School MIP ⋮

LABEL

 Sch MIP met? ⋮

 Exceeded State Long-Term ▾

Format

Type


Columns ▾

Color



Axis

Left axis ▾

 2017-18 Actual ▾

Format

Type

Stepped area ▾

Color



Line dash type



Axis

Left axis ▾

Line thickness

2px ▾

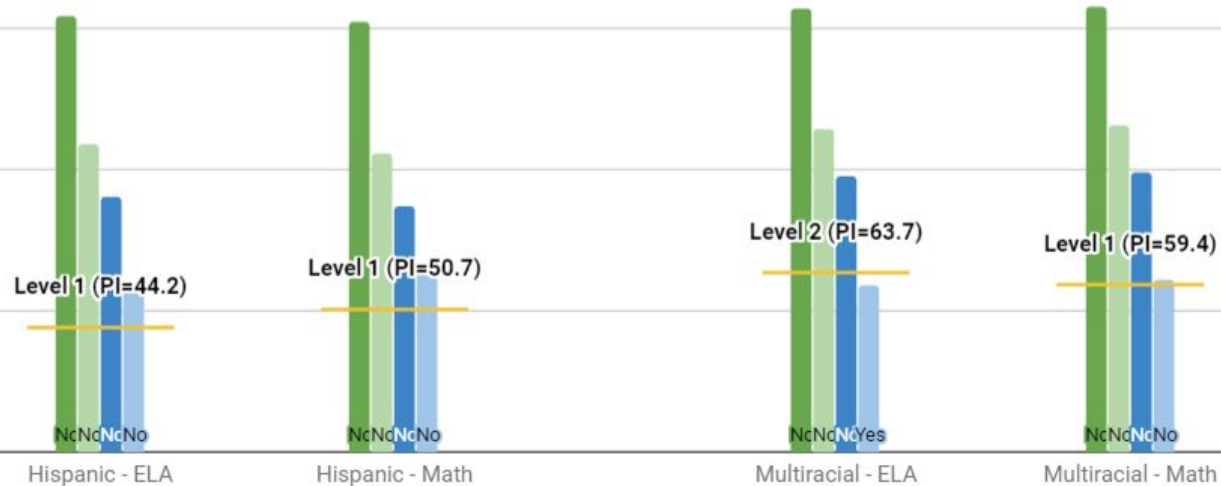
MIP-based Measures - Variation 1

Academic Progress District, Grades 3-8 (page 2)

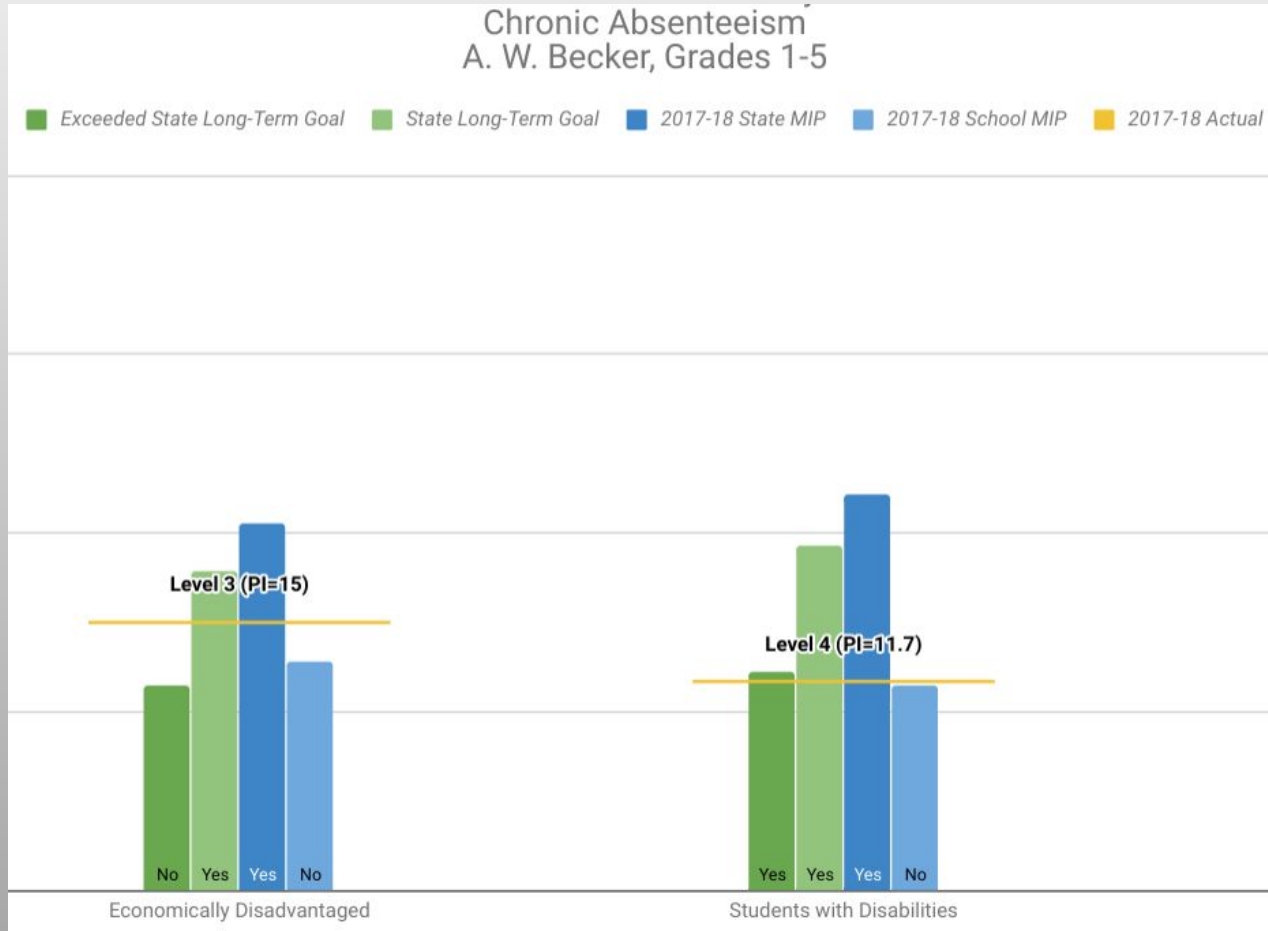
■ Exceeded State Long-Term Goal
 ■ State Long-Term Goal
 ■ 2017-18 State MIP
 ■ 2017-18 School MIP
 ■ 2017-18 Actual

Level 1

Level 1



MIP-based Measures - Variation 2



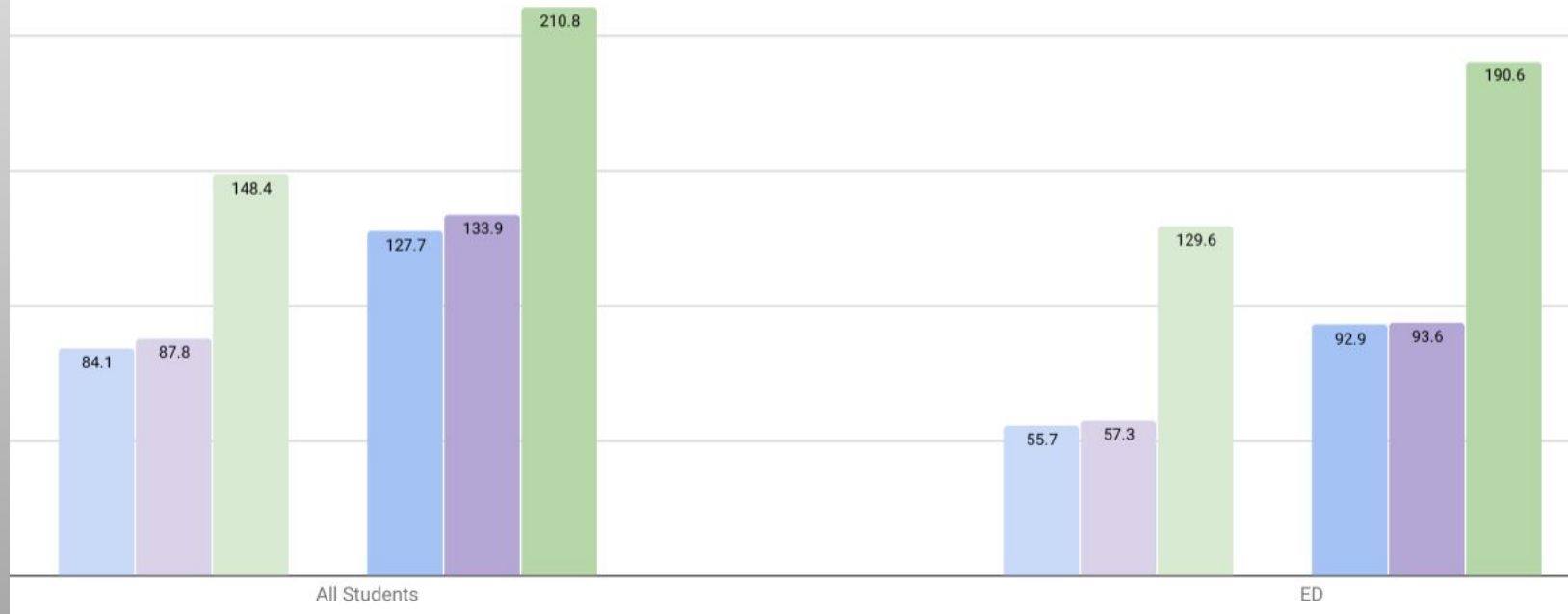
Other measures: Academic Achievement

Composite Performance (Academic Achievement)
District, Grades 3-8 -- page 1

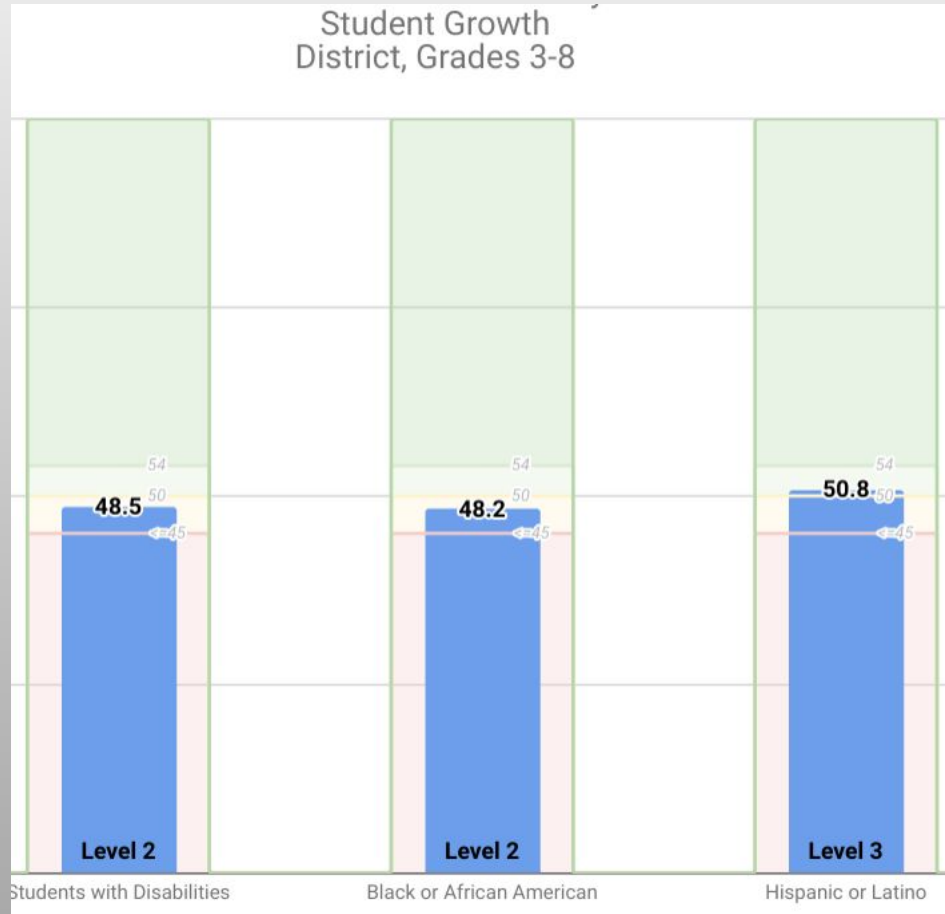
■ ELA Weighted PI ■ Math Weighted PI ■ Sci Weighted PI ■ ELA Core PI ■ Math Core PI ■ Sci Core PI

Level 2 (C)

Level 2 (C)



Other measures: Student Growth (Percentile)



Subgroup	Level 1	Level 2	Level 3	Level 4	Growth Index (A)	Growth Level (d)	L1 Label	L2 Label	L3 Label	L4 Label
All Students	45	5	4	46	47.3	Level 2	<=45	50	54	>54
Economically Dis	45	5	4	46	46.7	Level 2	<=45	50	54	>54
Students with Dis	45	5	4	46	48.5	Level 2	<=45	50	54	>54
Black or African A	45	5	4	46	48.2	Level 2	<=45	50	54	>54
Hispanic or Latin	45	5	4	46	50.8	Level 3	<=45	50	54	>54
Multiracial	45	5	4	46	47.7	Level 2	<=45	50	54	>54
White	45	5	4	46	46.7	Level 2	<=45	50	54	>54

- Most of the table is static - the only variables are the Growth Index and Level
- “Level” columns = stepped area (with labels)
- “Growth Index” included twice:
 - Invisible line with Growth Level label
 - Column with Growth Index label

**Questions?
Other ideas?**

Thank you!