



Seattle Public Schools



Photos by Susie Fitzhugh

Use of Student Growth Percentiles in Seattle Public Schools
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Research, Evaluation, & Assessment

School Performance Framework

Levels defined by **absolute** performance and **growth** on metrics aligned to Strategic Plan

Used to monitor school progress and customize levels of support & autonomy

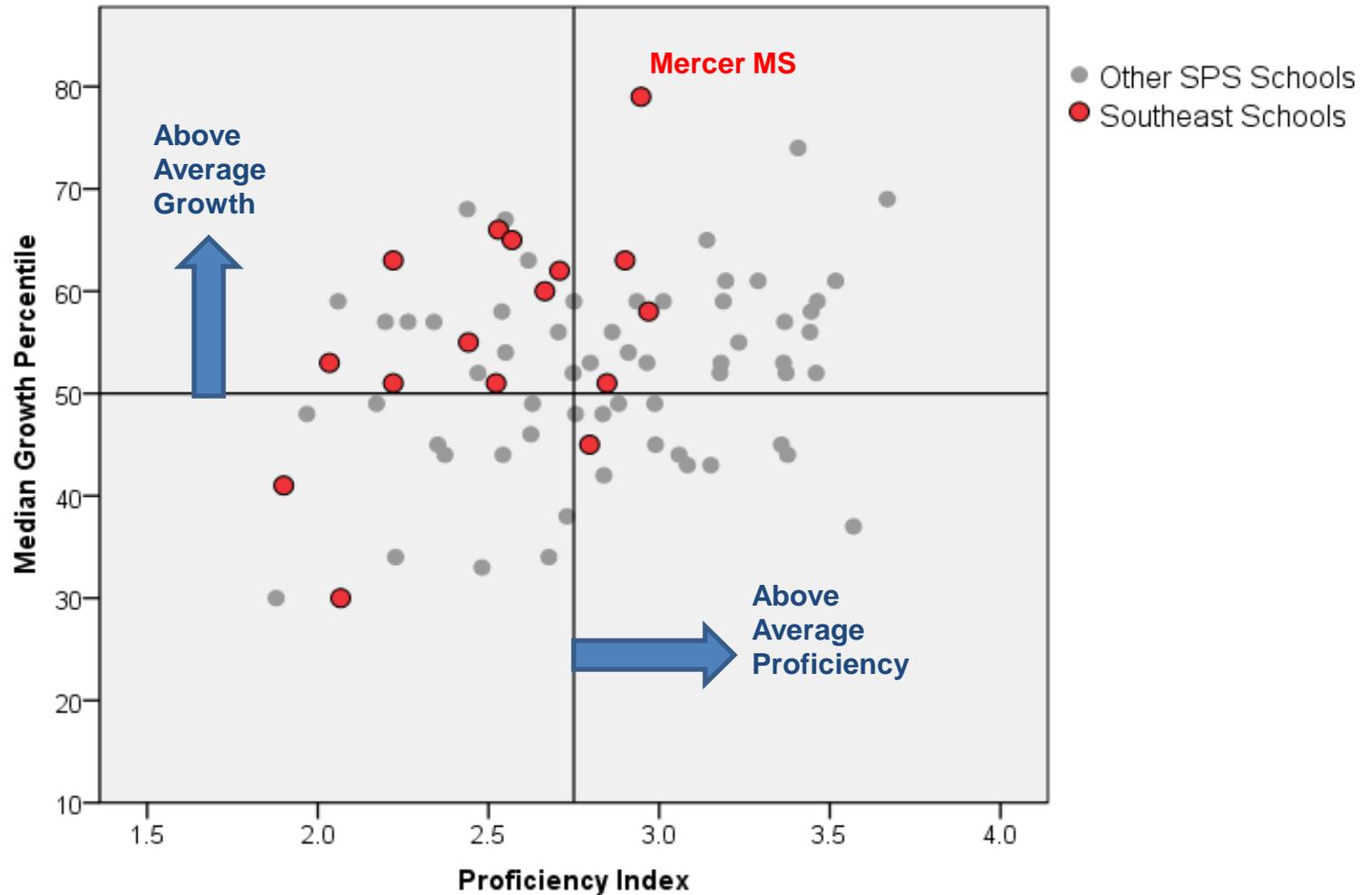
Level 4-5 Schools are near or above district-wide targets/goals

Level 1-2 Schools remain far below district goals and are not making significant annual growth/progress

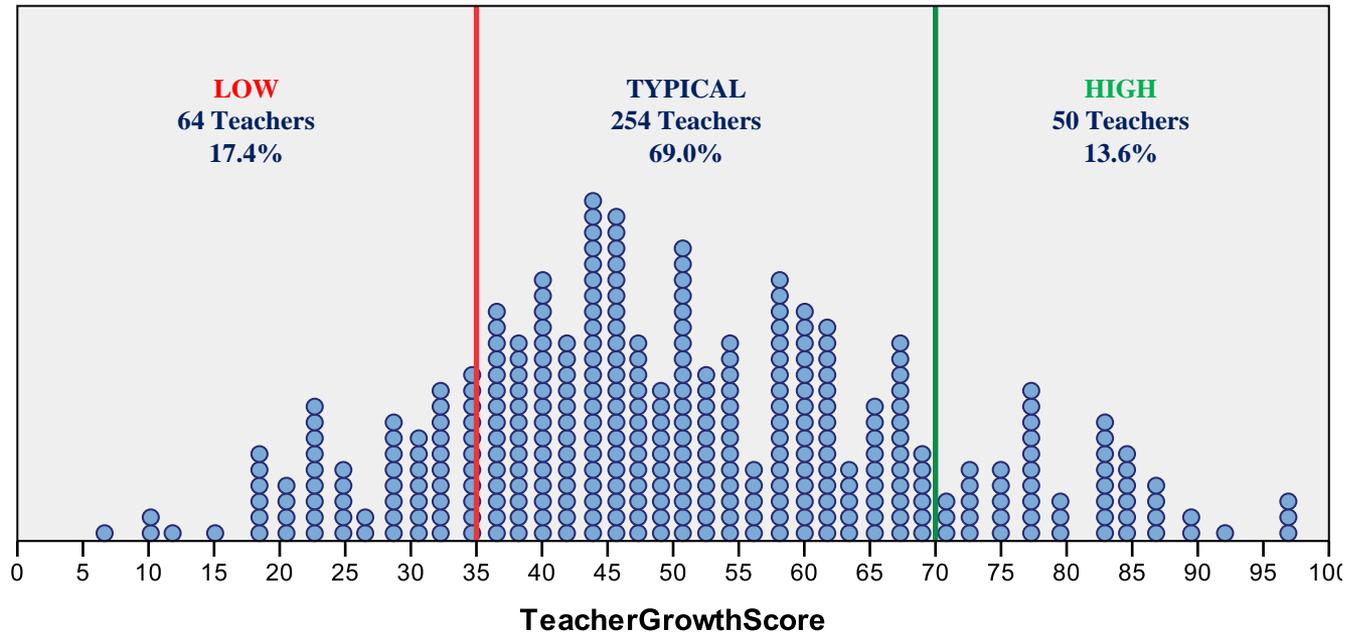


Proficiency vs. Student Growth Percentiles

(MSP Mathematics, Grades 3-8, 2012)

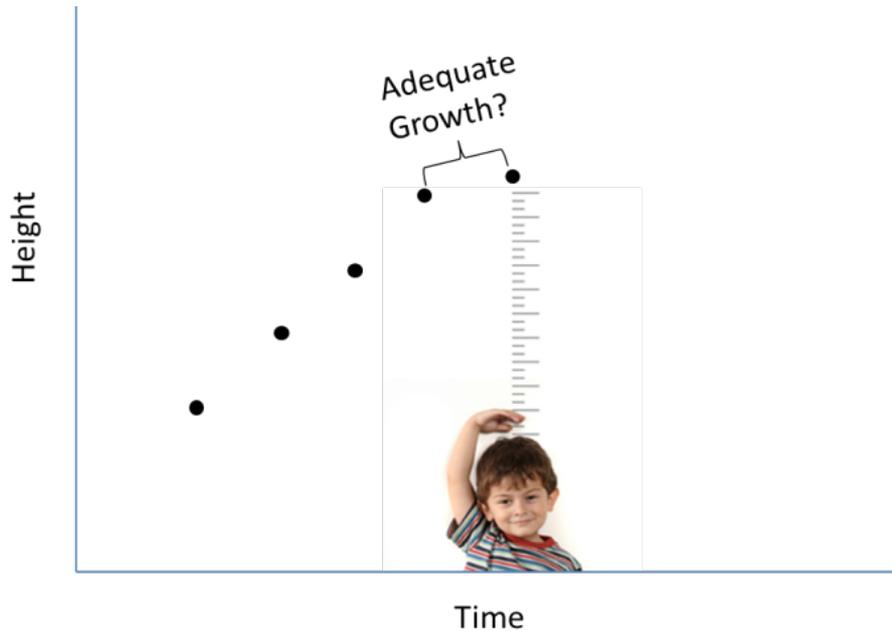


Student Growth Measures for Teachers



- Student growth ratings based on two types of measures: **student growth percentiles** and **value-added**
- **Low rating** (score < 35) based on 2-year average initiates comprehensive evaluation and student growth inquiry process

Even with a Vertical Scale, Growth is Not Easy to Interpret



A child might grow four inches between ages 3 and 4.

Although four inches is a well understood quantity, the increase only becomes meaningful when compared to the growth of other 4-year olds.

Even with a Vertical Scale, Growth is Not Easy to Interpret

District-wide Mean Growth on MAP (Mathematics, Spring 2011 to Spring 2012)

Grade Level	Previous Spring Score				
	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
1st	25.6	23.1	23.0	22.0	19.4
2nd	18.3	15.4	15.7	13.8	10.6
3rd	16.4	12.4	11.0	10.6	9.2
4th	14.2	11.0	11.0	11.4	9.4
5th	10.9	10.4	10.4	10.3	9.9
6th	8.2	7.5	7.0	5.8	4.2
7th	8.7	8.1	7.4	6.3	6.6
8th	8.8	5.8	5.0	4.8	6.5

The MAP vertical scale is **equal interval**: Any two scores which differ by the same number of points are equally different.

Example Classroom Roster

First Name	3 rd Grade Score	4 th Grade Score
Chris	364	375
Alex	352	363
Emily	363	381
Serge	417	380
Alejandro	466	440
Mark	544	458
Lucas	466	472
Darby	478	494
Ricardo	376	375
Samatha	417	380
Erica	375	363
Billy	478	494
Obama	430	416
John	493	407
Carlos	375	380
Dwight	447	433

Last Year
(3rd Grade)

363

Well Below
Standard
(Level 1)

Emily

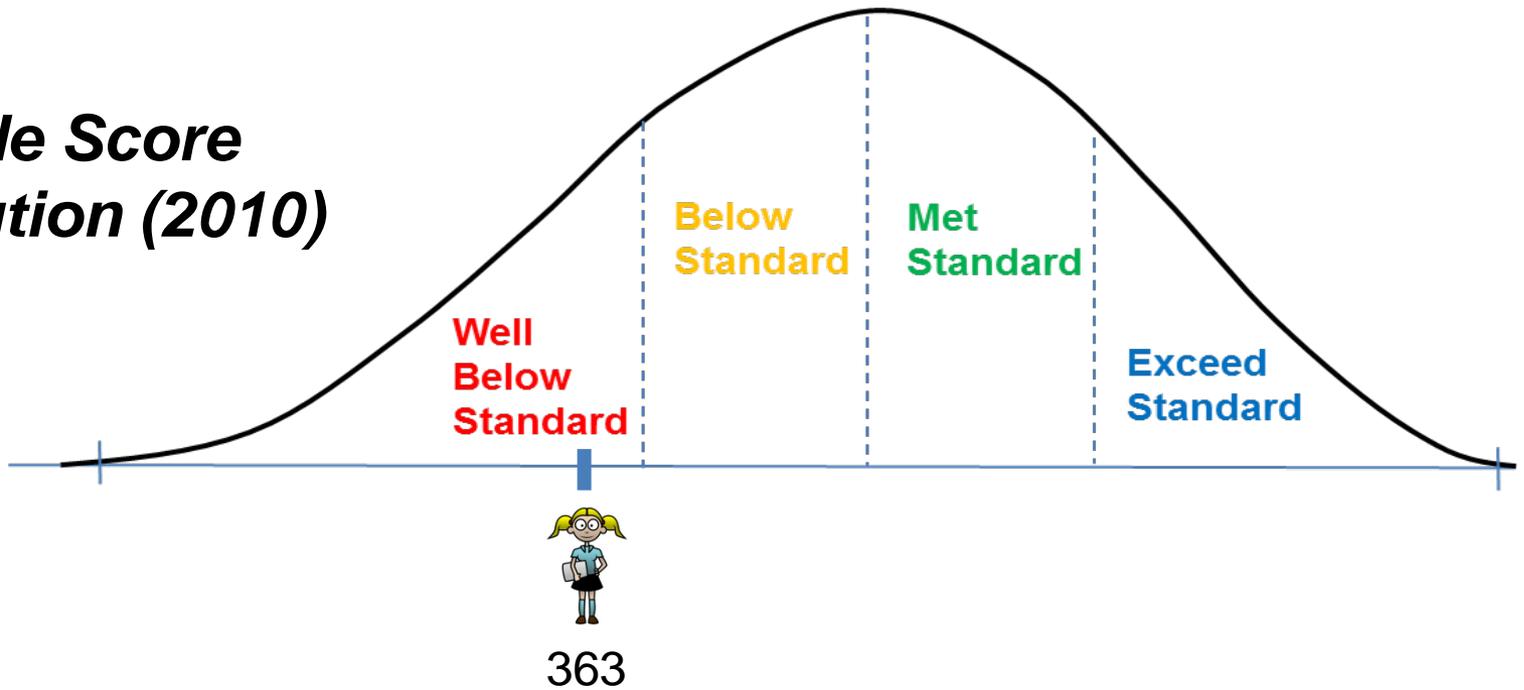


This Year
(4th Grade)

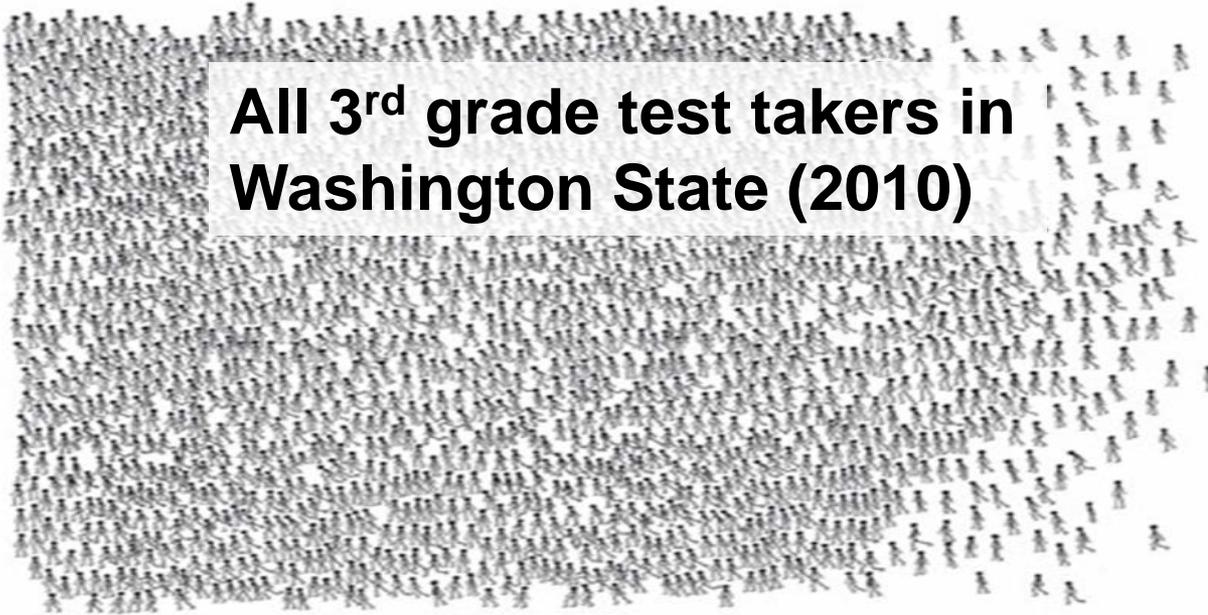
381

Below
Standard
(Level 2)

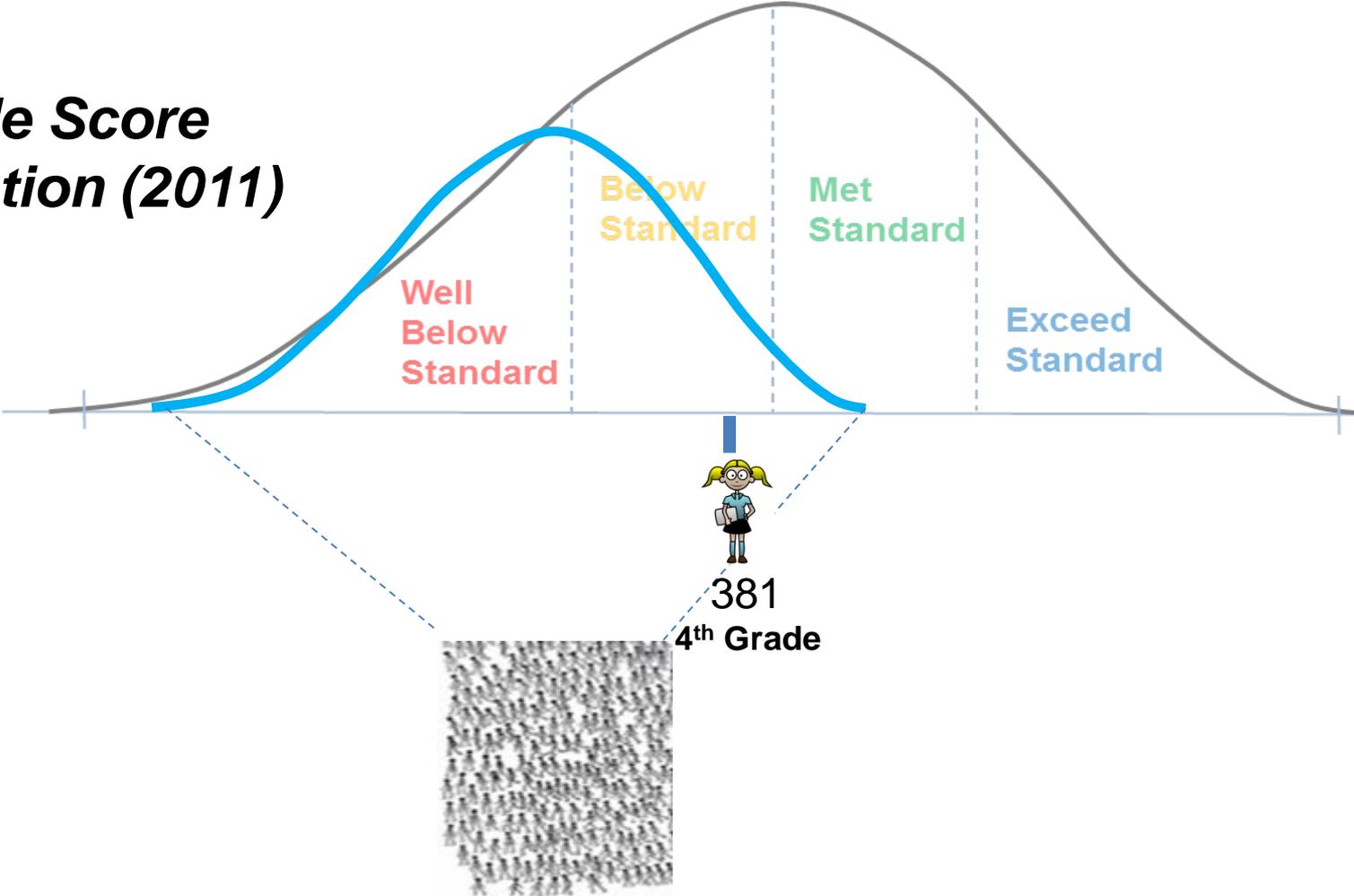
3rd Grade Score Distribution (2010)



All 3rd grade test takers in Washington State (2010)



4th Grade Score Distribution (2011)



Emily's "Comparison Group"
(Prior Score = 363)