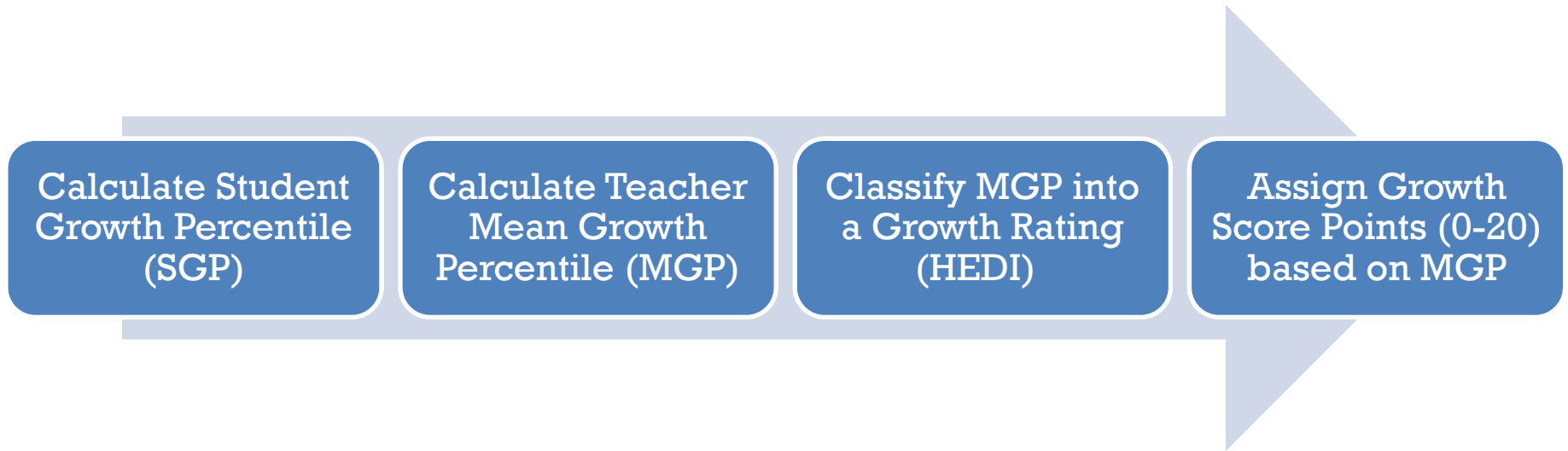# NYS Teacher Growth Scores:
From MGP to HEDI Ratings and Scores
2012-13

August 2013

Overview: How HEDI Ratings and Scores Are Determined

This document describes how student growth measures lead to classification into the 4 growth ratings (HEDI) and assignment of growth scores of 0-20 for math and ELA teachers in grades 4-8.

Calculate Student Growth Percentile (SGP)	Calculate Teacher Mean Growth Percentile (MGP)	Classify MGP into a Growth Rating (HEDI)	Assign Growth Score Points (0-20) based on MGP

What is SGP and How Is It Calculated?

- SGP is a percentile ranking (1-99) that is assigned to each student by comparing his/her performance on this year's state math or ELA test only to that of students statewide who scored similarly on prior state tests and had similar characteristics, also known as "similar students."
- SGPs are calculated separately by subject and grade.
- Factors used to define "similar students" in the growth model for 2012–13 are presented below:

Grades 4-8 Teachers	Similar Student Characteristics Used in 2012-13*
Academic History:	- Up to three years of student State exam scores, same subject - Prior year test score, different subject - Retained in grade - Average prior achievement and range around average prior score in student's class/course (same subject)
Student with Disability (SWD):	- SWD (Yes/No) - SWD spends less than 40 percent of time in general education setting for the entire day - Percentage of SWDs in student's class/course
English Language Learner (ELL):	- ELL (Yes/No) - NYSESLAT scores - Percentage of ELLs in student's class/course
Economic Disadvantage (Poverty):	- Poverty (Yes/No) - Percentage of students in poverty in student's class/course

*Additional characteristics may be added in the future as available and approved by the Board of Regents.

Note: NYSED has developed numerous resources to explain how New York State calculates student growth based on State tests for 2012-13 and 2013-14. These resources are available at: http://www.engageny.org/resource/resources-about-state-growth-measures.
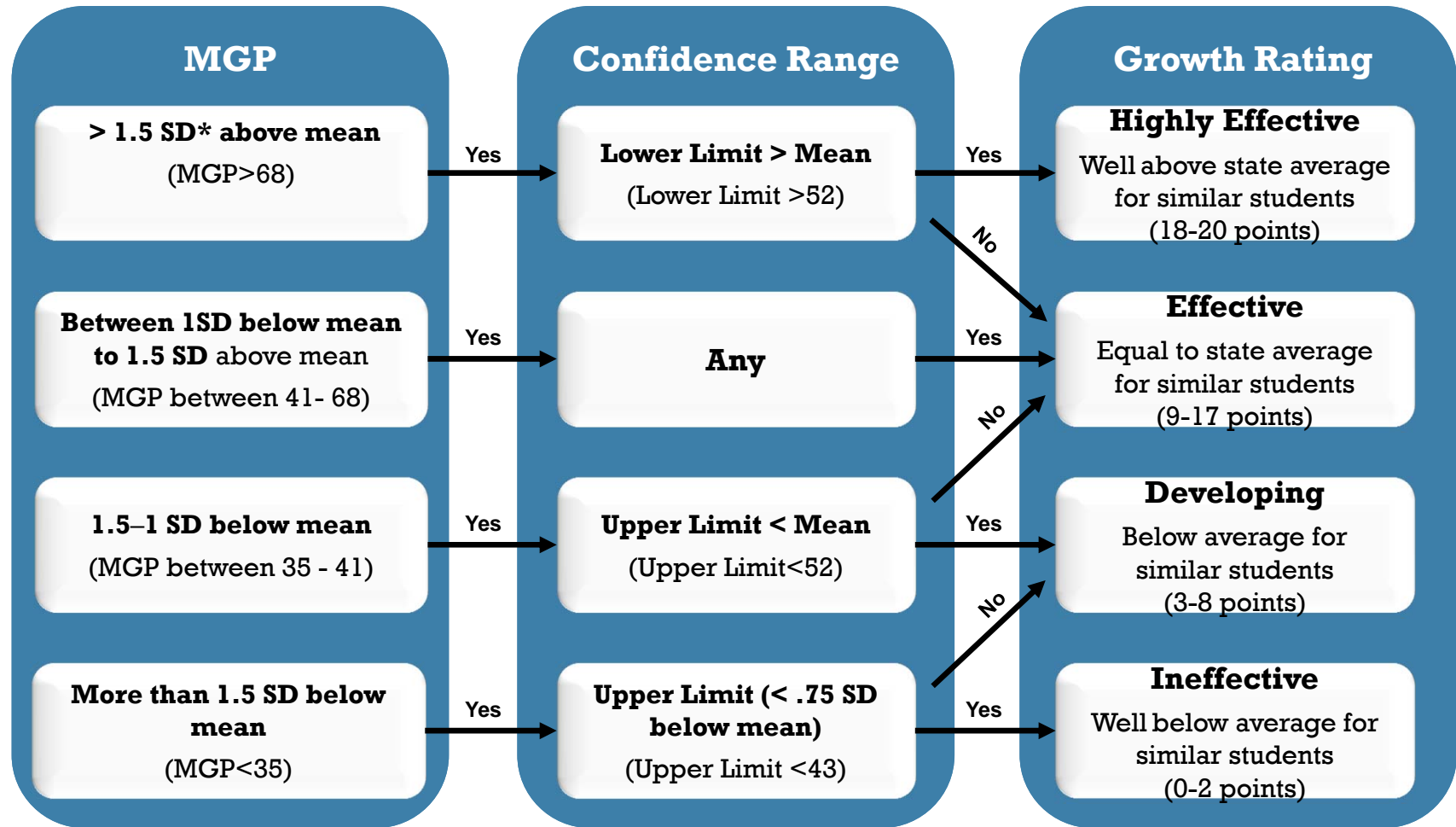
What is MGP and How Is It Calculated?

MGP is the weighted average of the SGPs of the students assigned to a teacher.

- A student is included in a teacher MGP if the student is enrolled at least 60% of the course with the teacher.
- MGP is weighted by student enrollment and attendance. For example, if student A were enrolled for 80% of the course and had 90% attendance, student A's SGP is weighted 0.80 x 0.90, or 0.72.
- Teachers must have a minimum of 16 SGPs to receive a MGP.
- MGP is also reported with a confidence range, which represents the upper and lower limits on an MGP within 95% statistical confidence.

Note: NYSED has developed numerous resources to explain how New York State calculates student growth based on State tests for 2012-13 and 2013-14. These resources are available at::http://www.engageny.org/resource/resources-about-state-growth-measures.

How is MGP Classified into Growth Rating in 2012-13 ?

MGP

> 1.5 SD* above mean
(MGP>68)

Between 1SD below mean to 1.5 SD above mean
(MGP between 41- 68)

1.5–1 SD below mean
(MGP between 35 - 41)

More than 1.5 SD below mean
(MGP<35)

Confidence Range

Lower Limit > Mean
(Lower Limit >52)

Any

Upper Limit < Mean
(Upper Limit<52)

Upper Limit (< .75 SD below mean)
(Upper Limit <43)

Growth Rating

Highly Effective
Well above state average for similar students
(18-20 points)

Effective
Equal to state average for similar students
(9-17 points)

Developing
Below average for similar students
(3-8 points)

Ineffective
Well below average for similar students
(0-2 points)

Yes   Yes   No
Yes   Yes   No
Yes   Yes   No
Yes   Yes

*Standard deviation

How are Growth Score Points Assigned in 2012-13?

Ineffective

Well below average for similar students (0-2 points)

Developing

Below average for similar students (3-8 points)

Effective

Equal to state average for similar students (9-17 points)

Highly Effective

Well above state average for similar students (18-20 points)

HEDI Points	Min MGP	Max MGP
0	2	28
1	29	32
2	33	35
3	28	35
4	36	36
5	37	37
6	38	39
7	40	40
8	41	41
9	36	43
10	44	46
11	47	48
12	49	51
13	52	53
14	54	55
15	56	58
16	59	61
17	62	70
18	68	69
19	70	73
20	74	96

Point value of 3 includes teachers with MGPs in the Ineffective category but confidence ranges above 41

Point value of 9 includes teachers with MGPs in the Developing category but confidence ranges above state average

Point value of 17 includes teachers with MGPs in the Highly Effective category but confidence ranges below state average

Summary: Percent of Teachers in Each HEDI Rating in 2012-13

Growth Score Ratings	Percent of Teachers 2012-13
Highly Effective	7%
Effective	76%
Developing	11%
Ineffective	6%

For More Information or Additional Questions

If you have questions about your data, what the scores are used for, or why you received the score that you did, please contact your school's superintendent or district data personnel for assistance. The New York State GRS help desk is available to assist you with questions related to the online GRS login and navigation.

NYS Help Desk Contact Information
Phone: (866) 821-6426
Email: NYGrowth@air.org
Hours: 8:30 a.m. to 4:30 p.m., Eastern standard time, Monday–Friday (except holidays)

Disclaimer

If there are any discrepancies between the language in these materials and the Statute, Regulations, or APPR Guidance, the Statute, Regulations, or APPR Guidance prevail.

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