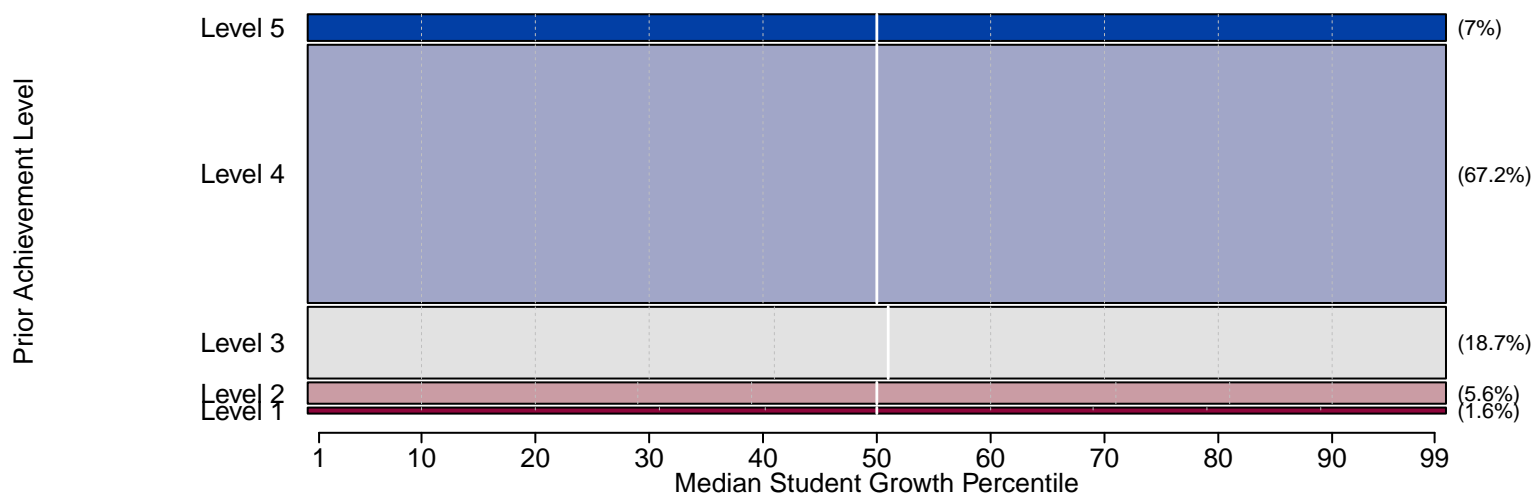# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Geometry SGP, Grade EOCT (N = 32,109)

SGP Deciles by Prior Achievement Level (Algebra I)

Prior Achievement Level

- Level 5 — (7%)
- Level 4 — (67.2%)
- Level 3 — (18.7%)
- Level 2 — (5.6%)
- Level 1 — (1.6%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

Ceiling / Floor Effects Test

Student Growth Percentile Range

Current Observed Score Extremes (Range)		1 to 5	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 94	95 to 99	
Lowest OSS:	[−15,−2.44)	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
	[−2.44,−2.11]	75.0	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 28
Highest OSS:	[3.02,3.16]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	9.1	9.1	77.3	N = 22
	[3.16,4.88]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	17.9	64.3	N = 28

Student Growth Percentile Range

Prior Scale Score Decile/Range*	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[−4.89,−0.21)	9.72	9.46	10.17	10.40	9.97	9.78	9.94	9.88	10.04	10.65	(9.6%)
2nd/[−0.21,0.25)	9.45	10.84	9.77	8.82	10.17	10.20	10.63	9.94	9.94	10.23	(10.2%)
3rd/[0.25,0.52)	9.44	9.73	9.76	10.57	10.02	10.83	8.73	10.41	10.35	10.15	(10.2%)
4th/[0.52,0.75)	8.62	10.01	10.18	10.57	10.08	9.01	10.60	10.14	10.24	10.57	(9.7%)
5th/[0.75,0.98)	10.19	9.45	9.69	10.35	9.85	9.18	10.88	9.50	9.71	11.20	(10.1%)
6th/[0.98,1.17)	9.91	10.05	11.38	9.59	9.20	10.50	9.45	9.94	9.38	10.61	(9.7%)
7th/[1.17,1.39)	9.73	10.45	9.03	10.19	10.98	10.39	9.10	10.32	9.89	9.92	(10.3%)
8th/[1.39,1.64)	9.98	10.60	9.95	9.69	9.85	10.18	9.82	9.92	9.85	10.15	(10.2%)
9th/[1.64,2)	9.18	9.65	10.55	10.20	9.30	10.05	10.02	10.23	10.34	10.49	(10.1%)
10th/[2,7.51]	9.03	9.89	9.55	9.74	10.54	10.05	10.48	9.77	10.29	10.66	(10.1%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100