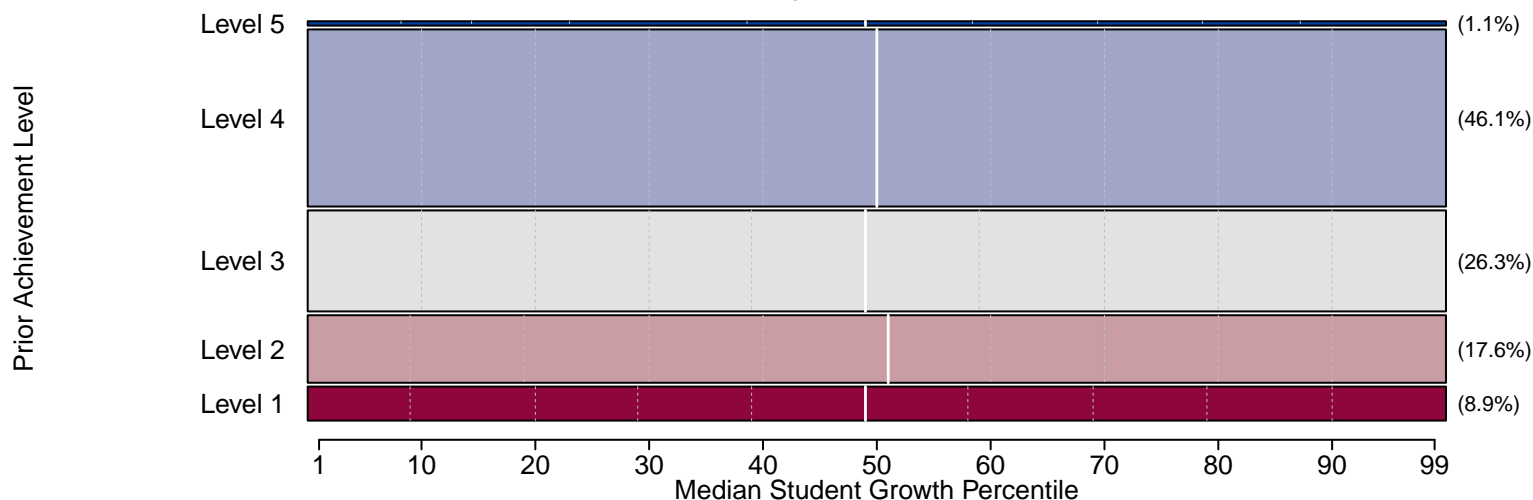# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra II SS SGP, Grade EOCT (N = 5,546)

SGP Deciles by Prior Achievement Level (Algebra I SS)

Prior Achievement Level

- Level 5 — (1.1%)
- Level 4 — (46.1%)
- Level 3 — (26.3%)
- Level 2 — (17.6%)
- Level 1 — (8.9%)

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

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile 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:	[650]	66.4	28.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 146
Highest OSS:	[798,804]	4.2	0.0	0.0	0.0	4.2	0.0	0.0	8.3	12.5	25.0	20.8	25.0	N = 24
	[804,834]	0.0	0.0	0.0	2.9	2.9	2.9	2.9	5.9	2.9	8.8	11.8	58.8	N = 34

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/[650,701)	10.65	8.41	10.65	10.09	10.65	10.28	10.09	9.91	9.53	9.72	(9.6%)
2nd/[701,715)	11.26	9.54	8.97	9.73	8.59	10.11	9.92	9.92	10.31	11.64	(9.4%)
3rd/[715,728)	8.80	10.95	10.23	9.52	10.77	9.69	10.41	10.05	10.05	9.52	(10%)
4th/[728,738)	8.99	8.43	9.74	11.61	10.30	9.74	9.93	9.55	9.74	11.99	(9.6%)
5th/[738,748)	9.08	11.35	10.86	9.72	9.40	10.86	9.56	10.37	10.70	8.10	(11.1%)
6th/[748,755)	10.44	10.26	9.34	9.34	9.89	9.52	9.71	9.52	9.52	12.45	(9.8%)
7th/[755,763)	9.90	8.19	9.71	10.29	10.86	10.29	11.24	10.67	9.52	9.33	(9.5%)
8th/[763,770)	10.12	10.33	11.16	9.71	10.12	9.92	8.88	9.71	9.30	10.74	(8.7%)
9th/[770,781)	9.61	11.47	8.37	10.85	8.53	9.61	9.92	9.92	11.94	9.77	(11.6%)
10th/[781,850]	9.33	9.15	10.54	9.50	11.23	10.02	10.54	10.19	8.81	10.71	(10.4%)

*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