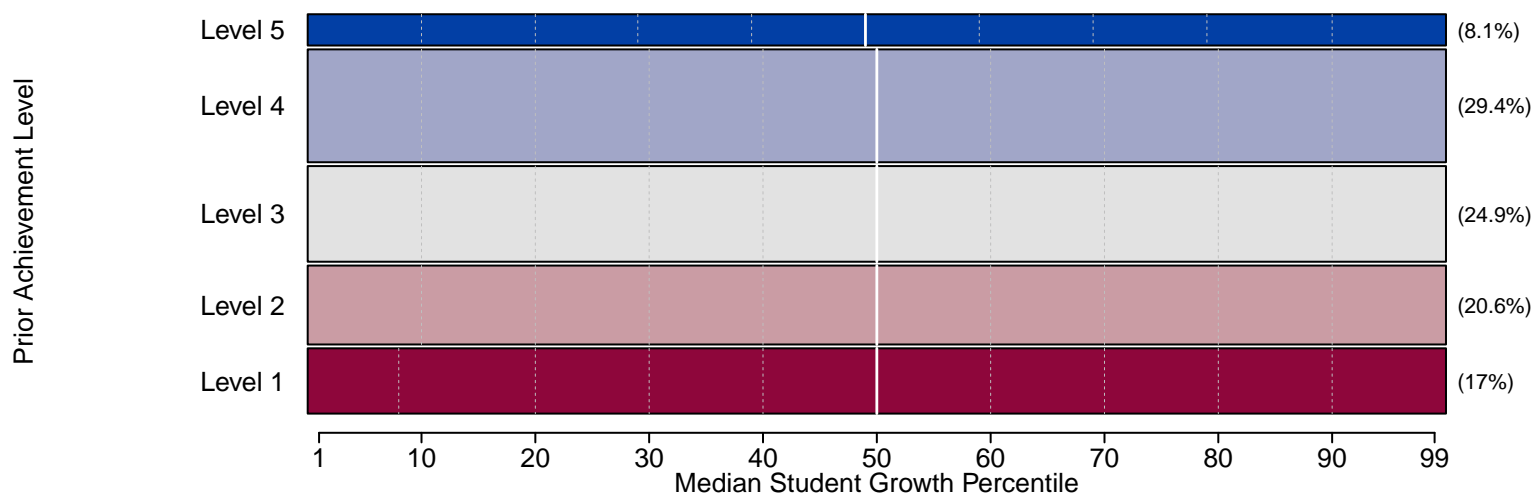# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SS SGP, Grade 10 (N = 104,692)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level	
Level 5	(8.1%)
Level 4	(29.4%)
Level 3	(24.9%)
Level 2	(20.6%)
Level 1	(17%)

Median Student Growth Percentile

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:	[650]	68.0	29.9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 2352
Highest OSS:	[850]	0.0	0.0	0.0	0.0	7.6	0.0	0.0	12.6	12.1	17.9	13.0	36.8	N = 1203

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/[650,688]	11.80	7.97	10.00	10.27	9.74	10.01	10.10	10.03	9.70	10.38	(10%)
2nd/[688,704)	9.22	10.08	10.53	9.86	10.00	9.98	9.81	9.62	10.10	10.81	(9.7%)
3rd/[704,716)	8.79	10.50	9.45	9.88	10.18	10.09	10.03	10.67	10.12	10.30	(9.6%)
4th/[716,727)	9.80	9.90	9.88	10.53	9.27	10.21	10.24	9.83	10.00	10.34	(10.3%)
5th/[727,737)	9.60	10.02	10.37	9.44	10.67	9.72	9.56	9.85	10.44	10.34	(9.9%)
6th/[737,747)	9.38	9.55	10.19	10.40	10.26	9.90	9.98	10.13	9.04	11.16	(10.1%)
7th/[747,757)	9.43	10.14	9.62	10.11	9.96	10.65	9.78	9.80	10.01	10.52	(9.6%)
8th/[757,770)	9.87	10.48	10.26	9.41	9.66	9.22	10.47	9.99	10.60	10.04	(10.5%)
9th/[770,786)	9.17	9.65	10.06	10.30	9.79	10.31	9.82	10.59	10.29	10.03	(10%)
10th/[786,850]	9.69	10.06	9.87	10.73	10.04	9.72	10.55	9.58	9.31	10.45	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution