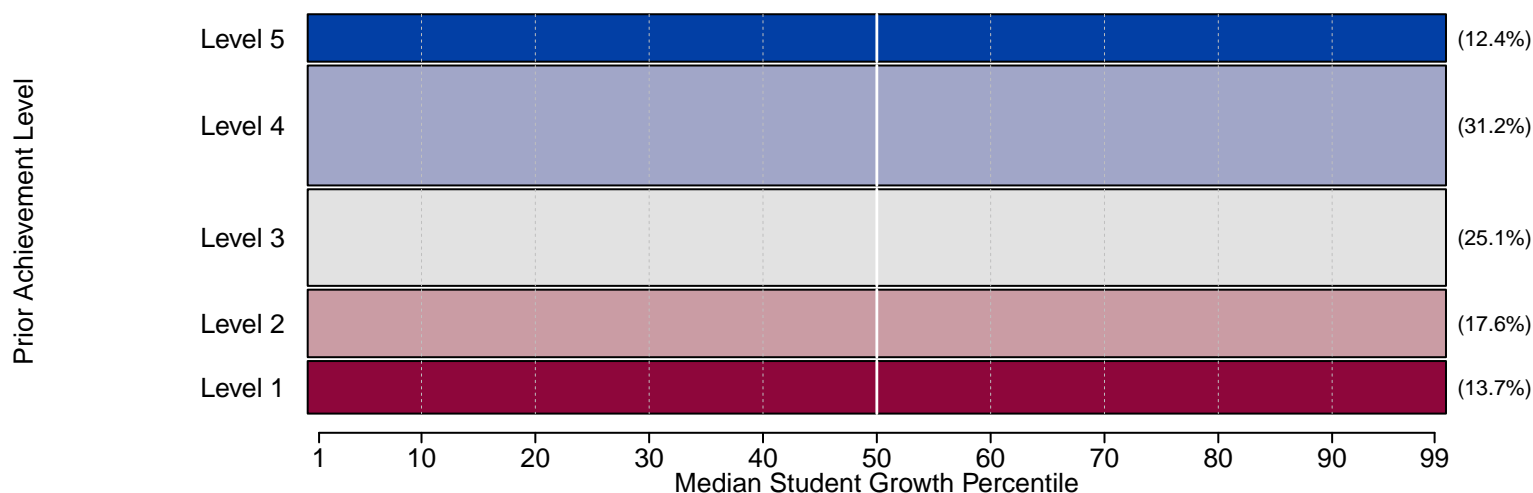# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SS SGP, Grade 8 (N = 395,857)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level	(%)
Level 5	(12.4%)
Level 4	(31.2%)
Level 3	(25.1%)
Level 2	(17.6%)
Level 1	(13.7%)

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:	[650]	98.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1847
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	17.8	70.5	N = 821

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/[650,692)	9.68	10.05	10.07	10.18	9.96	9.94	9.88	9.99	9.89	10.37	(9.7%)
2nd/[692,710)	9.42	10.05	9.93	9.69	10.04	9.85	10.43	10.00	9.88	10.68	(9.9%)
3rd/[710,723)	9.42	10.01	9.87	10.01	10.53	10.02	9.92	9.86	10.12	10.25	(9.9%)
4th/[723,734)	9.77	9.95	10.05	10.21	9.60	10.02	10.04	9.81	9.97	10.58	(10.1%)
5th/[734,743)	9.49	9.86	10.16	9.79	10.07	9.99	9.92	10.14	10.04	10.55	(9.4%)
6th/[743,753)	9.41	10.27	9.80	10.12	10.08	9.95	9.94	10.01	10.03	10.40	(10.7%)
7th/[753,763)	9.38	10.10	9.96	10.10	10.22	9.95	9.99	9.88	10.00	10.43	(10.2%)
8th/[763,774)	9.88	9.77	10.08	9.83	10.10	9.74	9.82	10.47	9.78	10.55	(9.9%)
9th/[774,789)	9.45	10.01	9.88	10.06	10.01	10.21	10.19	9.59	9.97	10.64	(10%)
10th/[789,850]	9.44	10.11	10.04	10.11	9.87	9.95	9.90	10.25	10.06	10.28	(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