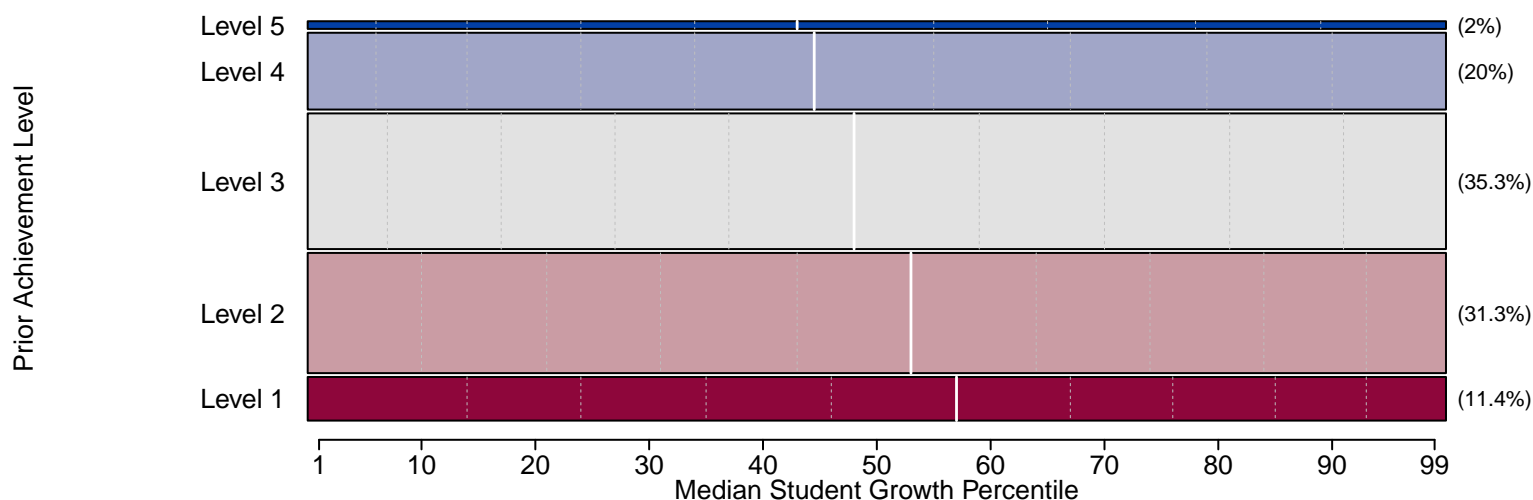# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Mathematics SS SGP SIMEX, Grade 8 (N = 312,787)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level

- Level 5 (2%)
- Level 4 (20%)
- Level 3 (35.3%)
- Level 2 (31.3%)
- Level 1 (11.4%)

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]	48.0	20.9	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 5720
Highest OSS:	[850]	0.0	0.0	0.0	0.3	6.1	4.3	7.5	7.3	10.7	17.1	11.8	34.8	N = 626

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/[650,698)	4.45	11.94	8.90	7.62	10.61	9.14	9.63	10.71	11.98	15.01	(9.7%)
2nd/[698,708)	8.43	8.35	10.06	8.95	9.24	8.86	9.55	10.80	11.25	14.50	(9.6%)
3rd/[708,716)	8.94	9.25	8.79	8.73	9.58	9.89	9.86	9.63	11.37	13.97	(9.6%)
4th/[716,723)	9.93	9.58	9.73	9.24	8.99	8.85	9.74	10.36	10.33	13.24	(10.7%)
5th/[723,729)	11.58	10.69	9.20	8.25	10.03	9.29	9.62	8.99	9.64	12.71	(8.9%)
6th/[729,736)	12.18	9.86	9.97	8.94	10.21	9.41	8.66	9.78	9.30	11.69	(10.7%)
7th/[736,743)	12.62	10.70	9.72	10.03	9.11	9.15	9.02	9.24	9.26	11.15	(10.2%)
8th/[743,751)	13.22	11.61	9.35	9.36	8.99	8.99	8.90	9.39	9.11	11.09	(9.8%)
9th/[751,763)	14.28	11.52	9.32	9.69	8.94	8.77	8.77	8.72	9.23	10.76	(10.4%)
10th/[763,850]	14.55	12.00	10.14	9.71	9.43	8.66	9.06	8.06	8.56	9.83	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution