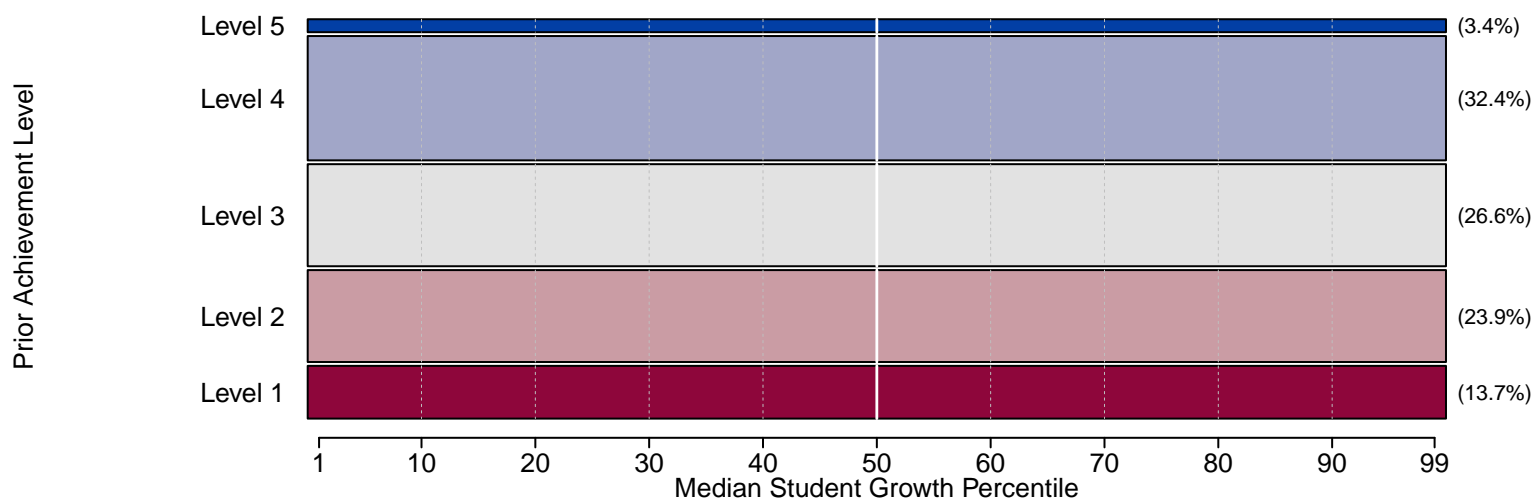# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Mathematics SS SGP, Grade 5 (N = 393,845)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level

Level 5	(3.4%)
Level 4	(32.4%)
Level 3	(26.6%)
Level 2	(23.9%)
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]	90.5	9.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1249
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	9.7	12.1	73.9	N = 330

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/[650,694)	9.77	10.08	9.99	10.08	9.75	10.06	10.03	9.86	9.95	10.43	(9.7%)
2nd/[694,708)	9.35	9.98	9.95	10.04	10.18	9.84	10.01	10.09	10.04	10.55	(10%)
3rd/[708,718)	9.56	9.85	10.05	9.99	9.73	10.04	9.99	10.06	10.09	10.65	(9.8%)
4th/[718,727)	9.38	10.10	9.95	9.84	10.25	10.05	9.79	9.88	9.94	10.81	(9.6%)
5th/[727,736)	9.73	10.09	9.85	9.98	9.92	9.79	10.17	10.16	9.93	10.37	(9.4%)
6th/[736,746)	9.32	9.84	10.06	10.12	10.05	9.90	10.07	10.08	10.24	10.32	(11.3%)
7th/[746,755)	9.60	9.99	10.12	9.99	10.00	10.04	9.82	9.95	9.80	10.68	(9.1%)
8th/[755,765)	9.50	10.09	9.94	9.85	9.89	10.11	9.95	9.72	10.00	10.94	(10.4%)
9th/[765,779)	9.68	10.08	10.07	9.77	9.94	9.82	10.05	10.34	9.91	10.34	(9.9%)
10th/[779,850]	9.34	9.90	9.93	10.19	10.09	10.04	9.99	9.88	10.18	10.46	(10.8%)

*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