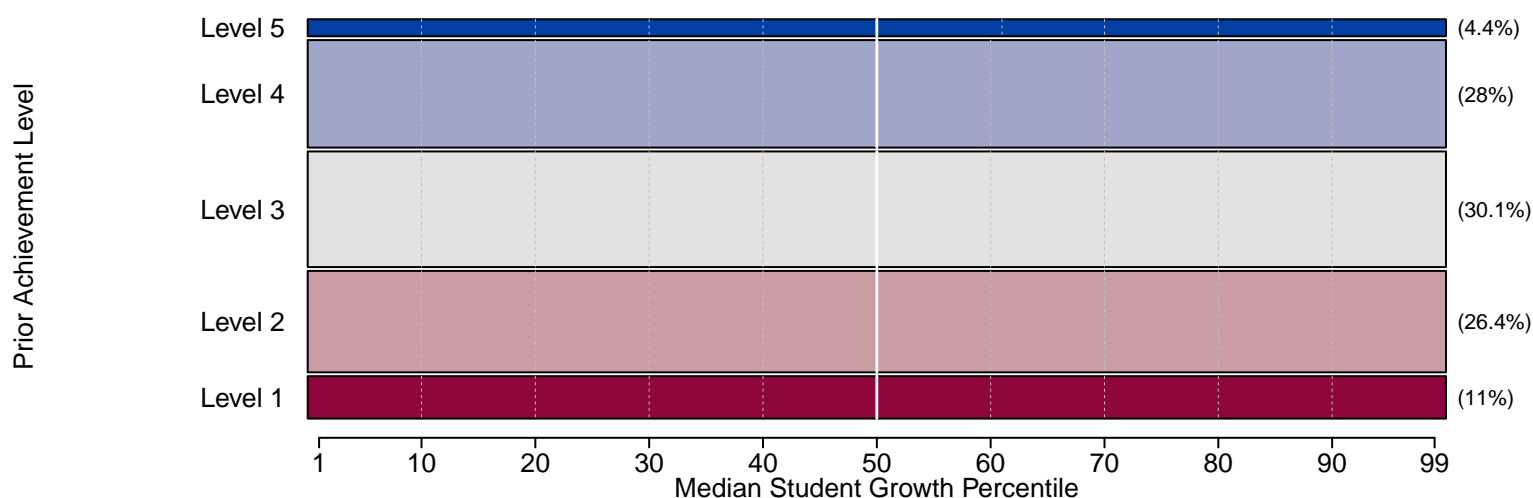# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Mathematics SS SGP, Grade 6 (N = 414,501)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level

Level	(%)
Level 5	(4.4%)
Level 4	(28%)
Level 3	(30.1%)
Level 2	(26.4%)
Level 1	(11%)

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]	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1202
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	8.3	81.1	N = 302

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/[650,697)	9.61	10.02	10.21	9.39	10.10	10.64	9.89	9.95	9.80	10.40	(9.3%)
2nd/[697,709)	9.67	9.83	9.79	10.52	10.03	9.60	10.18	9.62	10.25	10.53	(9.8%)
3rd/[709,718)	9.49	10.05	10.15	9.72	10.19	10.04	9.58	10.26	9.95	10.58	(9.8%)
4th/[718,727)	9.34	9.51	10.59	10.18	9.97	9.79	9.85	10.27	9.99	10.49	(11%)
5th/[727,735)	9.97	10.63	8.77	10.35	10.11	10.45	9.98	9.85	9.51	10.39	(10%)
6th/[735,743)	9.41	10.28	10.50	10.52	9.25	9.58	9.99	10.03	10.29	10.15	(9.7%)
7th/[743,752)	9.52	9.53	9.94	9.87	10.19	10.04	10.35	10.18	10.04	10.34	(10.1%)
8th/[752,762)	9.57	9.89	10.36	10.08	9.29	10.57	9.60	9.81	9.84	10.98	(9.6%)
9th/[762,776)	9.26	10.40	9.80	9.90	10.57	9.40	10.13	10.05	9.73	10.76	(10.1%)
10th/[776,850]	9.69	9.81	10.00	10.03	10.05	10.21	10.01	10.11	10.06	10.03	(10.6%)

*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