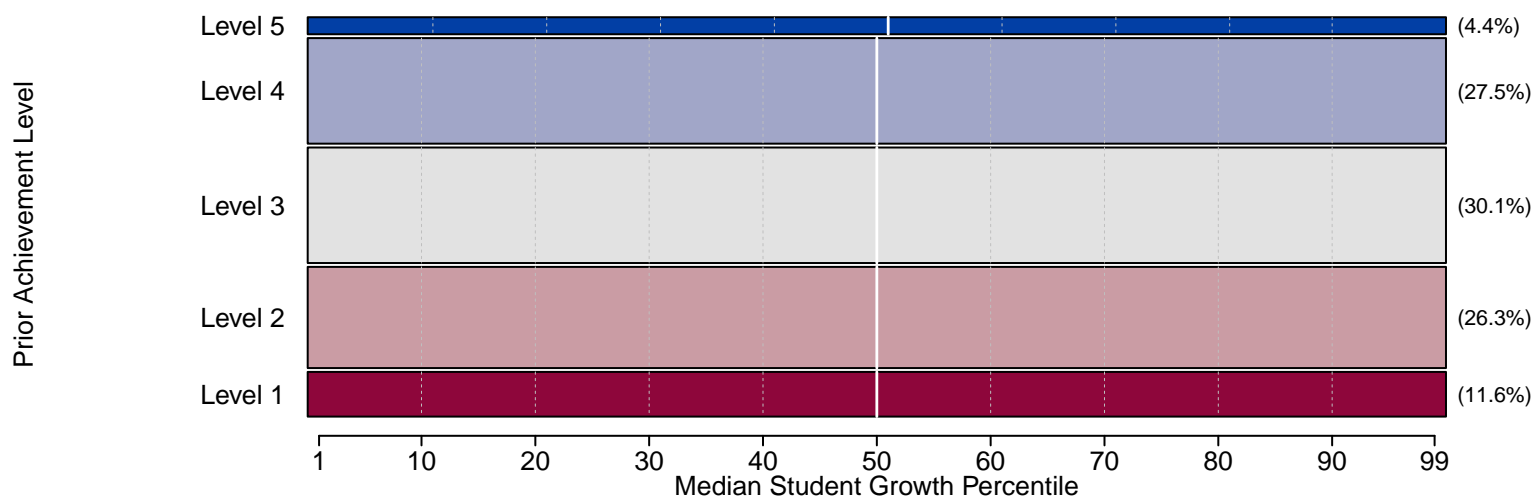# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Mathematics SGP, Grade 6 (N = 414,501)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	Median Student Growth Percentile	Percent
Level 5		(4.4%)
Level 4		(27.5%)
Level 3		(30.1%)
Level 2		(26.3%)
Level 1		(11.6%)

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:	[−15]	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 = 204
Highest OSS:	[6.036,15)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	95.2	N = 21
	[15]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	96.9	N = 32

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/[−10,−1.364)	9.42	10.04	10.17	9.98	10.08	10.24	9.90	10.04	9.84	10.29	(10%)
2nd/[−1.364,−0.9507)	9.57	10.01	9.60	10.24	9.88	9.73	10.18	9.87	10.18	10.74	(10%)
3rd/[−0.9507,−0.6408)	9.51	10.00	10.24	9.70	9.91	10.14	9.71	10.10	10.14	10.56	(10%)
4th/[−0.6408,−0.3544)	9.49	10.07	10.00	9.86	10.06	9.82	10.26	9.97	9.98	10.47	(9.9%)
5th/[−0.3544,−0.0815)	9.68	9.90	9.98	10.31	10.18	10.08	9.89	9.95	9.67	10.34	(10%)
6th/[−0.0815,0.2015)	9.14	9.92	10.16	9.87	10.11	10.05	10.17	10.04	10.07	10.47	(10.1%)
7th/[0.2015,0.5116)	9.31	9.85	9.70	9.98	9.92	10.19	9.99	10.30	10.34	10.42	(10%)
8th/[0.5116,0.8748)	9.87	10.26	9.83	10.08	9.85	9.88	9.78	9.78	9.91	10.75	(10%)
9th/[0.8748,1.364)	9.77	9.99	10.48	10.08	9.76	9.67	10.03	9.85	9.80	10.58	(10%)
10th/[1.364,15]	9.26	9.98	9.82	9.87	10.25	10.22	10.05	10.11	10.08	10.34	(10%)

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

QQ–Plot: Student Growth Percentiles