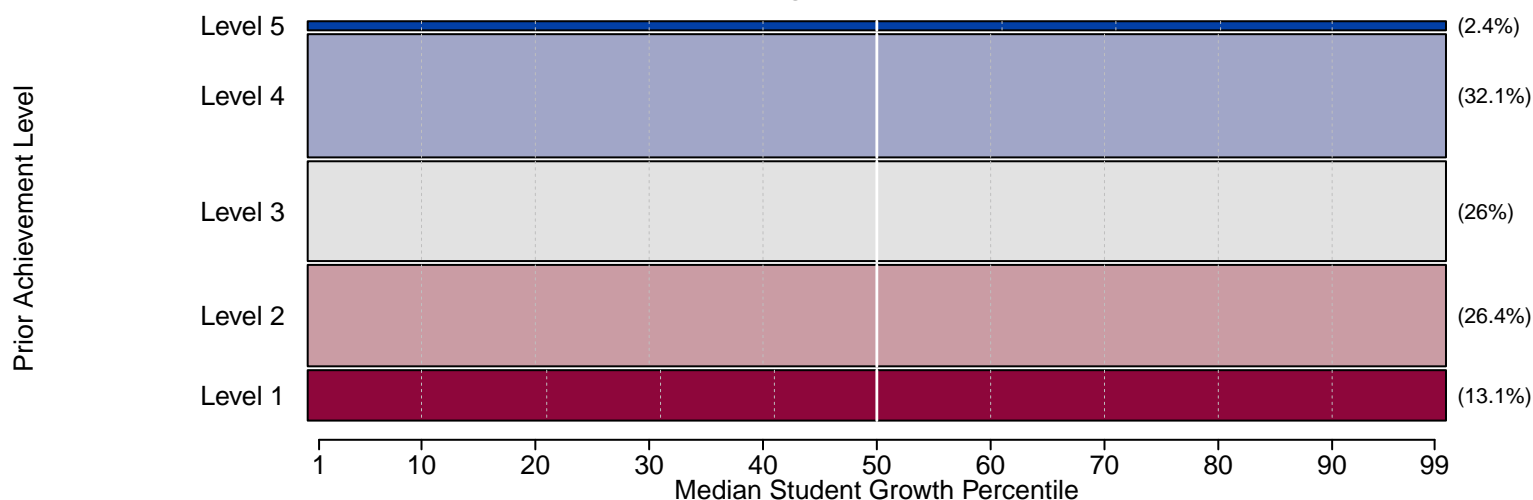# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Geometry SGP, Grade EOCT (N = 104,364)

SGP Deciles by Prior Achievement Level (Algebra I)

Prior Achievement Level	Median Student Growth Percentile	
Level 5		(2.4%)
Level 4		(32.1%)
Level 3		(26%)
Level 2		(26.4%)
Level 1		(13.1%)

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,−4.883)	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 = 27
	[−4.883,−4.311]	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 = 45
Highest OSS:	[3.507,3.709)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	25.0	20.0	45.0	N = 20
	[3.709,5.478]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.8	85.3	N = 34

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,−1.272)	9.10	9.95	9.83	10.02	9.68	10.18	10.01	10.08	10.24	10.90	(10%)
2nd/[−1.272,−0.8787)	10.07	10.65	10.48	10.02	10.28	9.89	9.67	9.76	9.56	9.63	(10%)
3rd/[−0.8787,−0.5578)	9.94	9.81	9.87	10.27	9.67	9.93	10.49	9.84	9.90	10.28	(10%)
4th/[−0.5578,−0.2666)	9.06	9.89	9.67	9.82	10.43	9.29	10.05	10.13	10.28	11.37	(10%)
5th/[−0.2666,0.0367)	9.24	9.55	9.94	9.84	10.22	10.65	9.81	10.23	10.14	10.38	(10%)
6th/[0.0367,0.357)	9.63	9.87	10.18	10.09	9.68	10.16	9.82	9.97	9.91	10.69	(10%)
7th/[0.357,0.7026)	9.46	10.17	10.06	10.03	10.40	9.70	10.10	10.08	9.78	10.22	(10%)
8th/[0.7026,1.102)	9.74	10.45	10.22	9.89	9.54	10.05	10.16	9.72	10.19	10.05	(10%)
9th/[1.102,1.623)	9.30	9.85	9.78	10.00	9.86	10.10	9.77	10.22	10.06	11.04	(10%)
10th/[1.623,6.792]	9.53	9.79	9.99	10.05	10.21	10.02	10.13	9.96	9.93	10.40	(10%)

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

QQ–Plot: Student Growth Percentiles