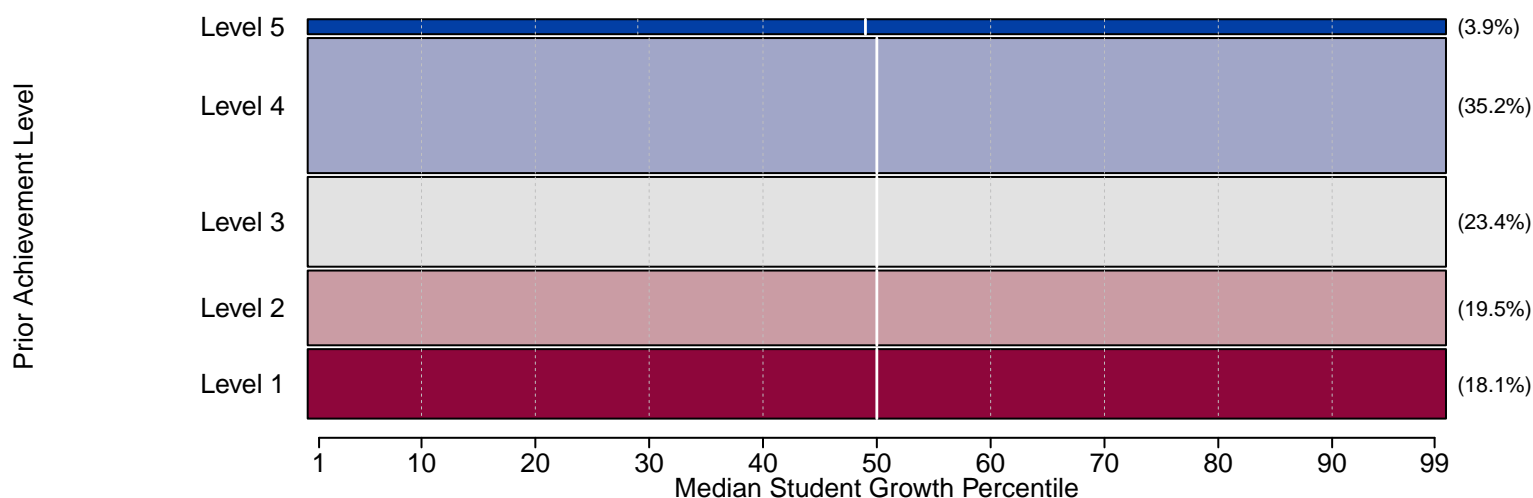# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SS SGP, Grade 4 (N = 418,864)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level	
Level 5	(3.9%)
Level 4	(35.2%)
Level 3	(23.4%)
Level 2	(19.5%)
Level 1	(18.1%)

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]	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 = 1346
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8	70.2	N = 393

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/[650,685)	9.54	10.02	10.28	10.00	10.32	9.59	10.07	9.88	9.93	10.37	(9.6%)
2nd/[685,702)	9.94	9.99	9.99	9.79	9.88	9.82	9.93	10.11	10.08	10.47	(9.7%)
3rd/[702,716)	9.11	10.14	9.68	10.30	9.92	10.27	10.20	9.93	9.83	10.64	(10.5%)
4th/[716,728)	9.52	9.86	10.11	10.06	10.33	9.93	9.63	9.94	10.25	10.38	(10.2%)
5th/[728,738)	9.82	10.04	9.99	9.80	10.09	9.97	10.00	9.87	9.81	10.60	(9.5%)
6th/[738,749)	9.28	10.39	9.84	9.93	9.74	10.07	9.84	10.44	10.17	10.32	(10.4%)
7th/[749,759)	9.58	9.50	10.21	10.11	10.16	10.32	9.91	9.79	9.90	10.52	(9.1%)
8th/[759,772)	9.72	9.99	10.08	10.00	10.05	9.82	9.88	10.00	9.84	10.62	(10.4%)
9th/[772,790)	9.51	10.15	9.88	10.01	9.86	10.23	10.02	9.99	10.09	10.27	(10.4%)
10th/[790,850]	9.39	9.97	10.05	9.99	10.01	9.89	10.07	10.01	10.05	10.57	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution