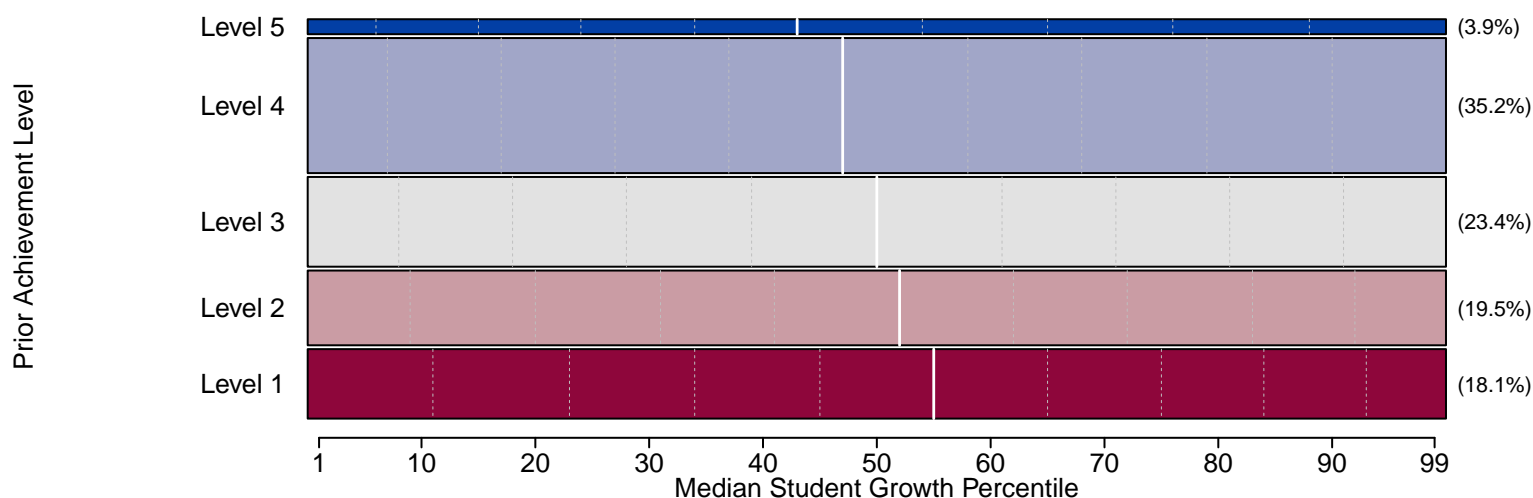# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 ELA SS SGP SIMEX, 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	32.6	67.4	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)	8.04	7.78	9.40	9.22	9.03	9.45	10.28	10.99	11.82	13.99	(9.6%)
2nd/[685,702)	9.09	9.05	8.80	9.73	9.23	9.30	9.93	10.32	10.73	13.81	(9.7%)
3rd/[702,716)	9.61	9.45	9.36	9.44	9.14	9.68	9.95	9.99	10.35	13.04	(10.5%)
4th/[716,728)	10.85	10.11	9.57	9.24	9.01	9.44	9.52	9.52	10.18	12.57	(10.2%)
5th/[728,738)	11.62	10.61	9.31	9.22	9.31	9.05	9.07	9.43	10.03	12.34	(9.5%)
6th/[738,749)	11.48	10.16	9.85	9.57	8.94	8.91	9.91	9.60	10.02	11.57	(10.4%)
7th/[749,759)	11.76	9.77	9.79	9.88	9.65	9.75	9.46	9.24	9.60	11.11	(9.1%)
8th/[759,772)	12.30	10.55	9.74	9.87	9.47	9.09	9.57	9.28	9.09	11.03	(10.4%)
9th/[772,790)	12.58	11.00	9.65	10.40	9.28	9.43	9.56	9.04	9.04	10.03	(10.4%)
10th/[790,850]	13.07	11.33	9.95	10.56	9.33	9.37	9.18	9.21	8.83	9.19	(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