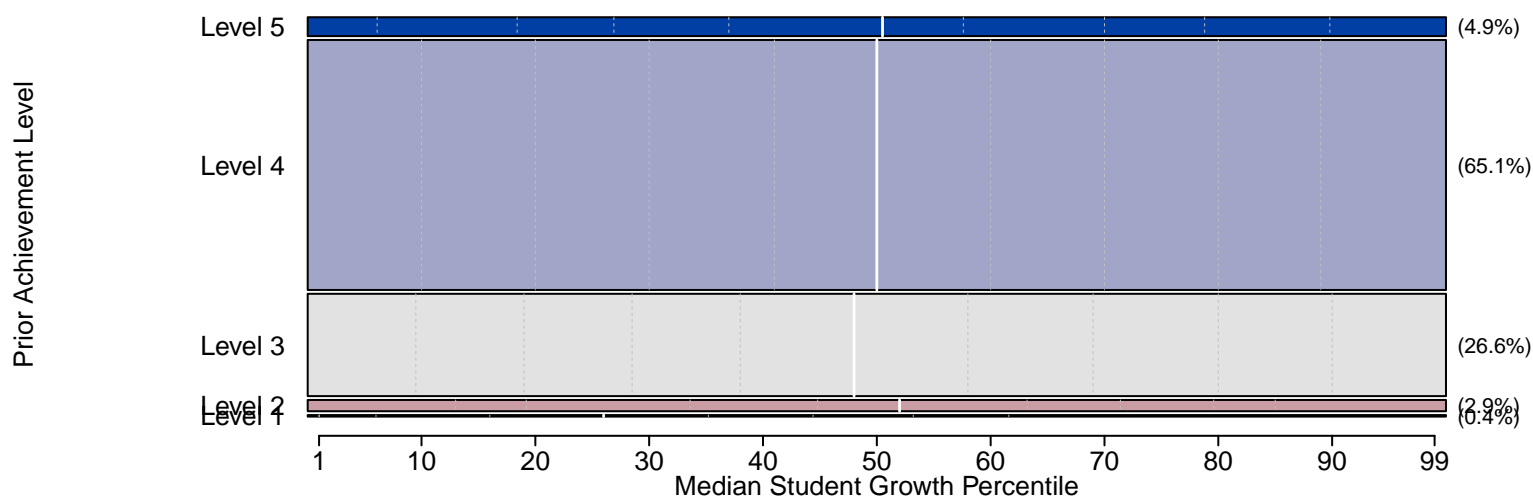# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Integrated Math 1 SS SGP, Grade EOCT (N = 1,261)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level vs Median Student Growth Percentile

- Level 5 (4.9%)
- Level 4 (65.1%)
- Level 3 (26.6%)
- Level 2 (2.9%)
- Level 1 (0.4%)

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:	[650,710)	68.2	13.6	9.1	4.5	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	N = 22
	[710,720)	27.6	3.4	31.0	20.7	10.3	3.4	3.4	0.0	0.0	0.0	0.0	0.0	N = 29
Highest OSS:	[813,823)	0.0	0.0	0.0	3.7	3.7	3.7	0.0	11.1	18.5	29.6	11.1	18.5	N = 27
	[823,850]	3.6	0.0	0.0	3.6	3.6	3.6	17.9	3.6	7.1	10.7	14.3	32.1	N = 28

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/[681,735)	12.20	9.76	9.76	9.76	11.38	9.76	8.94	9.76	8.94	9.76	(9.8%)
2nd/[735,744)	4.80	12.00	12.00	8.80	9.60	8.80	12.00	9.60	11.20	11.20	(9.9%)
3rd/[744,750)	13.85	9.23	9.23	11.54	11.54	8.46	6.15	10.77	10.00	9.23	(10.3%)
4th/[750,754)	11.32	10.38	9.43	7.55	12.26	11.32	14.15	5.66	8.49	9.43	(8.4%)
5th/[754,759)	8.57	9.29	7.14	11.43	7.14	10.71	12.14	13.57	10.71	9.29	(11.1%)
6th/[759,763)	8.62	11.21	9.48	7.76	13.79	6.90	10.34	12.07	10.34	9.48	(9.2%)
7th/[763,767)	8.80	10.40	11.20	13.60	5.60	7.20	8.80	9.60	12.00	12.80	(9.9%)
8th/[767,773)	12.59	6.67	12.59	8.15	14.07	11.85	4.44	7.41	11.11	11.11	(10.7%)
9th/[773,780)	5.22	14.78	7.83	9.57	8.70	13.04	16.52	9.57	7.83	6.96	(9.1%)
10th/[780,814]	11.64	8.22	11.64	9.59	8.90	9.59	8.22	11.64	10.27	10.27	(11.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution vs Empirical SGP Distribution