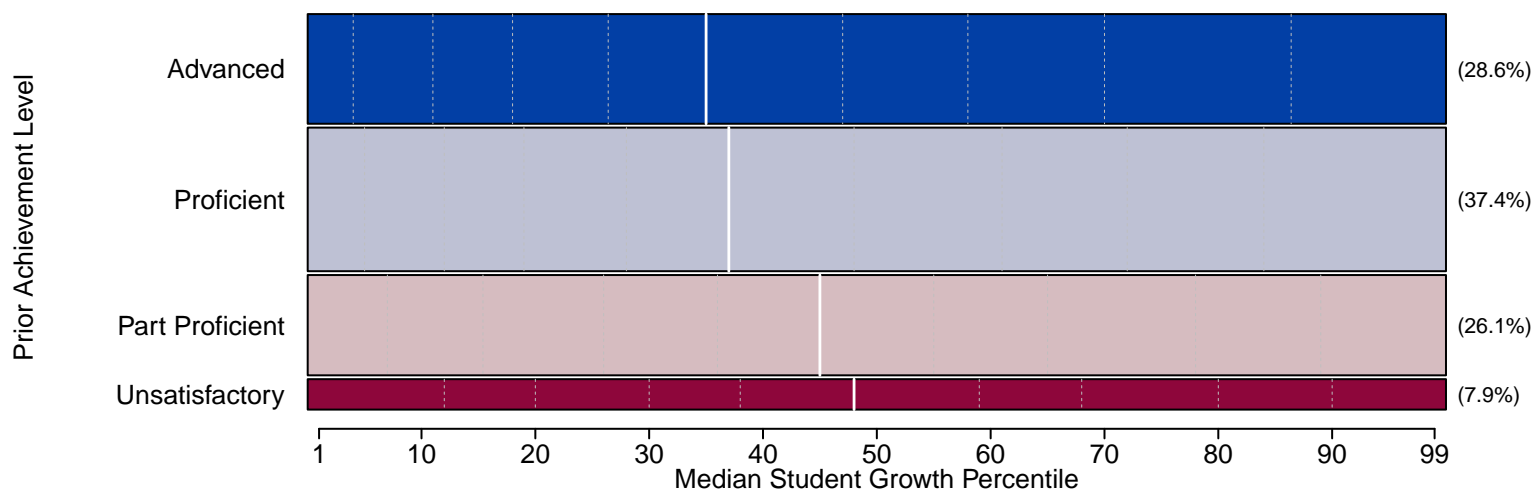# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Mathematics SGP SIMEX, Grade 7 (N = 4,051)

SGP Deciles by Prior Achievement Level (Mathematics)

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:	[280,368]	60.0	0.0	20.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[368,400]	30.8	11.5	19.2	19.2	7.7	3.8	0.0	3.8	0.0	0.0	0.0	3.8	N = 26
Highest OSS:	[703,722]	0.0	0.0	0.0	0.0	0.0	4.0	8.0	20.0	20.0	20.0	20.0	8.0	N = 25
	[722,817]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	28.0	24.0	40.0	N = 25

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/[256,464]	11.60	9.14	10.12	10.86	10.86	8.15	9.14	9.14	9.88	11.11	(10%)
2nd/[464,491]	11.25	9.72	9.21	11.51	9.21	12.28	8.95	6.91	9.46	11.51	(9.7%)
3rd/[491,511]	11.88	13.37	12.87	10.64	9.90	10.89	8.42	5.69	7.43	8.91	(10%)
4th/[511,530]	13.22	12.50	10.82	8.65	6.73	7.21	12.50	10.10	10.10	8.17	(10.3%)
5th/[530,547]	17.69	12.53	10.07	11.30	9.83	7.13	8.60	9.83	6.63	6.39	(10%)
6th/[547,565]	17.44	12.53	12.04	12.29	8.11	8.60	7.37	7.13	8.35	6.14	(10%)
7th/[565,585]	15.38	18.72	10.00	8.97	9.49	9.49	8.72	5.90	6.67	6.67	(9.6%)
8th/[585,608]	20.45	13.97	9.98	10.97	9.98	5.99	8.23	6.48	7.48	6.48	(9.9%)
9th/[608,641]	17.49	15.60	9.93	9.93	7.33	9.46	9.46	7.09	6.62	7.09	(10.4%)
10th/[641,830]	18.92	13.02	11.06	12.04	8.60	7.62	9.58	7.13	5.90	6.14	(10%)

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

QQ–Plot: Student Growth Percentiles