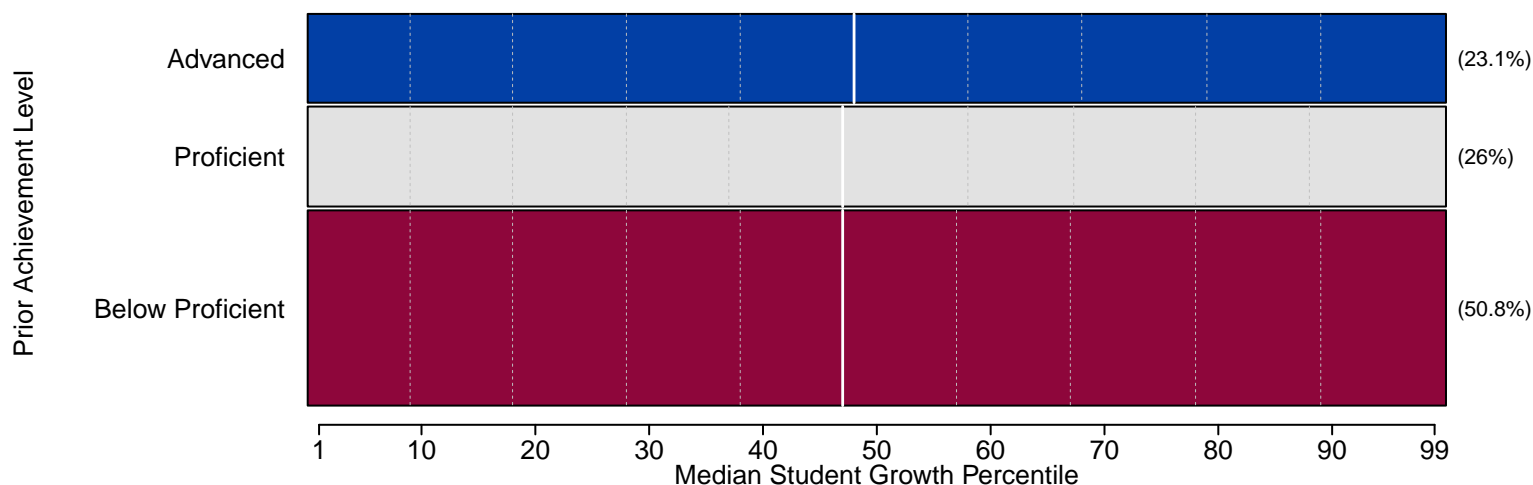# Student Growth Percentile Goodness–of–Fit Descriptives

2015 Chemistry SGP, Grade EOCT (N = 16,787)

SGP Deciles by Prior Achievement Level (Biology)

Prior Achievement Level:
- Advanced (23.1%)
- Proficient (26%)
- Below Proficient (50.8%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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:	[684,712)	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 = 26
	[712,726]	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 = 26
Highest OSS:	[951,965)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	68.0	N = 25
	[965,983]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	96.2	N = 26

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/[714,803)	10.21	9.91	10.15	11.12	10.15	9.85	10.27	9.12	9.91	9.30	(9.8%)
2nd/[803,816)	10.56	11.65	10.01	9.04	9.95	10.13	9.47	9.41	9.71	10.07	(9.8%)
3rd/[816,825)	10.46	10.89	10.77	10.40	9.91	10.95	9.98	9.37	8.88	8.39	(9.8%)
4th/[825,832)	11.64	9.93	10.54	10.36	9.56	8.76	9.74	9.62	9.99	9.87	(9.7%)
5th/[832,839)	10.39	11.37	9.18	10.62	10.91	10.62	9.99	8.89	9.41	8.60	(10.3%)
6th/[839,845)	11.74	11.35	9.47	10.51	9.99	9.34	9.60	9.99	9.40	8.63	(9.2%)
7th/[845,852)	10.32	11.24	10.61	9.35	9.06	10.32	10.44	10.55	8.77	9.35	(10.4%)
8th/[852,860)	9.86	9.98	11.53	11.11	10.45	10.57	8.78	8.48	10.63	8.60	(10%)
9th/[860,872)	12.04	10.38	10.21	9.46	10.03	9.69	10.09	9.63	9.06	9.40	(10.4%)
10th/[872,944]	9.82	10.61	10.72	9.93	11.22	9.26	9.26	9.71	9.99	9.48	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution vs. Empirical SGP Distribution