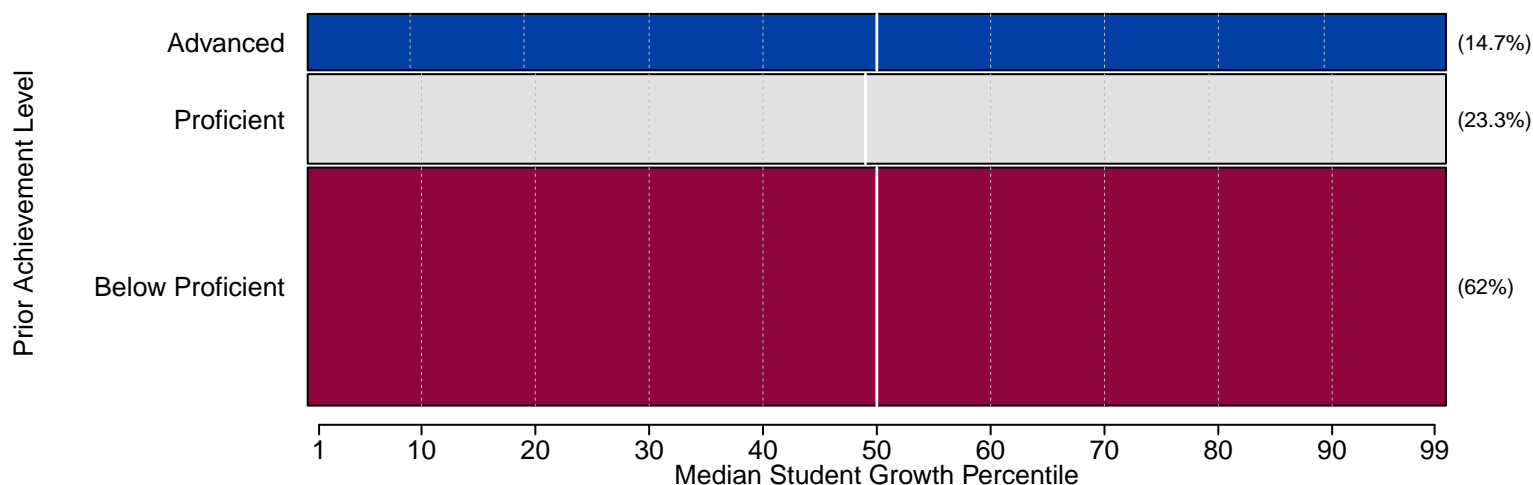# Student Growth Percentile Goodness–of–Fit Descriptives
2015 Chemistry SGP, Grade EOCT (N = 6,046)

SGP Deciles by Prior Achievement Level (Biology)

Prior Achievement Level (y-axis):
- Advanced (14.7%)
- Proficient (23.3%)
- Below Proficient (62%)

x-axis: 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:	[684,723]	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 = 24
	[723,733]	92.3	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[911,920]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	11.5	19.2	19.2	46.2	N = 26
	[920,983]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	19.2	15.4	61.5	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/[714,798)	10.92	9.56	9.22	9.73	9.90	11.09	10.07	11.09	8.70	9.73	(9.7%)
2nd/[798,810)	8.73	9.27	12.30	10.70	11.05	8.38	9.98	8.73	10.52	10.34	(9.3%)
3rd/[810,818)	10.29	10.13	9.49	8.84	9.32	10.13	10.29	10.29	11.09	10.13	(10.3%)
4th/[818,825)	7.77	11.31	10.07	9.72	10.42	11.84	8.13	11.66	9.01	10.07	(9.4%)
5th/[825,832)	12.20	8.38	9.30	11.74	9.15	7.93	11.43	8.08	9.91	11.89	(10.9%)
6th/[832,838)	9.78	11.32	9.78	9.09	9.09	11.66	10.12	10.29	9.95	8.92	(9.6%)
7th/[838,845)	8.15	9.85	10.31	10.46	10.15	9.23	9.23	11.54	9.08	12.00	(10.8%)
8th/[845,853)	9.83	10.00	9.67	10.00	12.17	9.67	10.67	8.33	11.33	8.33	(9.9%)
9th/[853,864)	9.46	9.95	10.11	9.79	9.30	10.11	9.79	10.93	9.79	10.77	(10.1%)
10th/[864,944]	10.84	9.69	10.18	10.02	9.69	10.02	10.02	9.69	9.85	10.02	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
Empirical SGP Distribution (y-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100