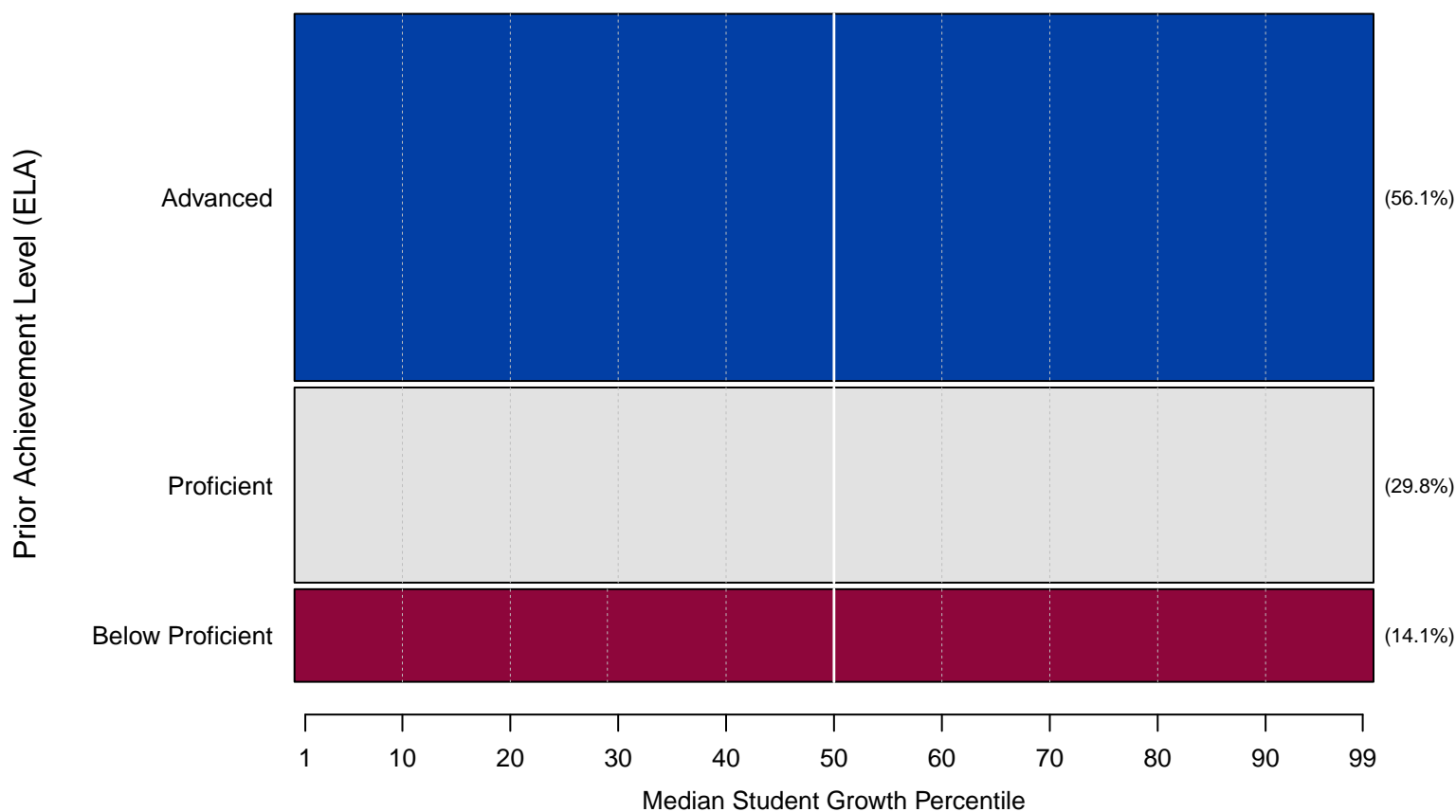# Student Growth Percentile Goodness–of–Fit Descriptives
2014 ELA SGP, Grade 8 (N = 39,653)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

- Advanced (56.1%)
- Proficient (29.8%)
- Below Proficient (14.1%)

Median Student Growth Percentile

1 10 20 30 40 50 60 70 80 90 99

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/[130,158)	9.84	10.25	10.27	9.71	9.59	10.02	9.64	10.02	10.30	10.37	(10%)
2nd/[158,162)	9.16	9.97	10.21	10.00	10.65	10.09	10.18	9.50	9.72	10.53	(8.1%)
3rd/[162,166)	9.94	9.91	9.98	10.47	9.89	9.96	10.18	9.80	9.69	10.18	(11.3%)
4th/[166,169)	9.59	10.68	9.97	9.97	9.72	9.81	9.56	10.33	9.75	10.63	(9.2%)
5th/[169,170)	8.97	9.95	10.80	10.05	9.11	11.17	10.28	9.11	10.19	10.38	(5.4%)
6th/[170,174)	9.88	9.53	10.06	9.83	10.26	9.71	9.87	9.87	10.26	10.73	(14%)
7th/[174,177)	9.35	9.95	9.81	10.18	9.47	10.30	9.64	10.50	10.24	10.56	(8.8%)
8th/[177,180)	9.20	10.19	10.64	10.33	10.30	10.10	10.44	9.34	9.54	9.93	(9%)
9th/[180,185)	10.23	9.64	9.61	9.45	9.73	9.45	9.50	10.17	10.99	11.24	(9%)
10th/[185,199]	9.64	10.02	10.14	10.10	9.92	10.27	10.07	9.66	9.67	10.50	(15.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100