Student Growth Percentile Goodness–of–Fit Descriptives
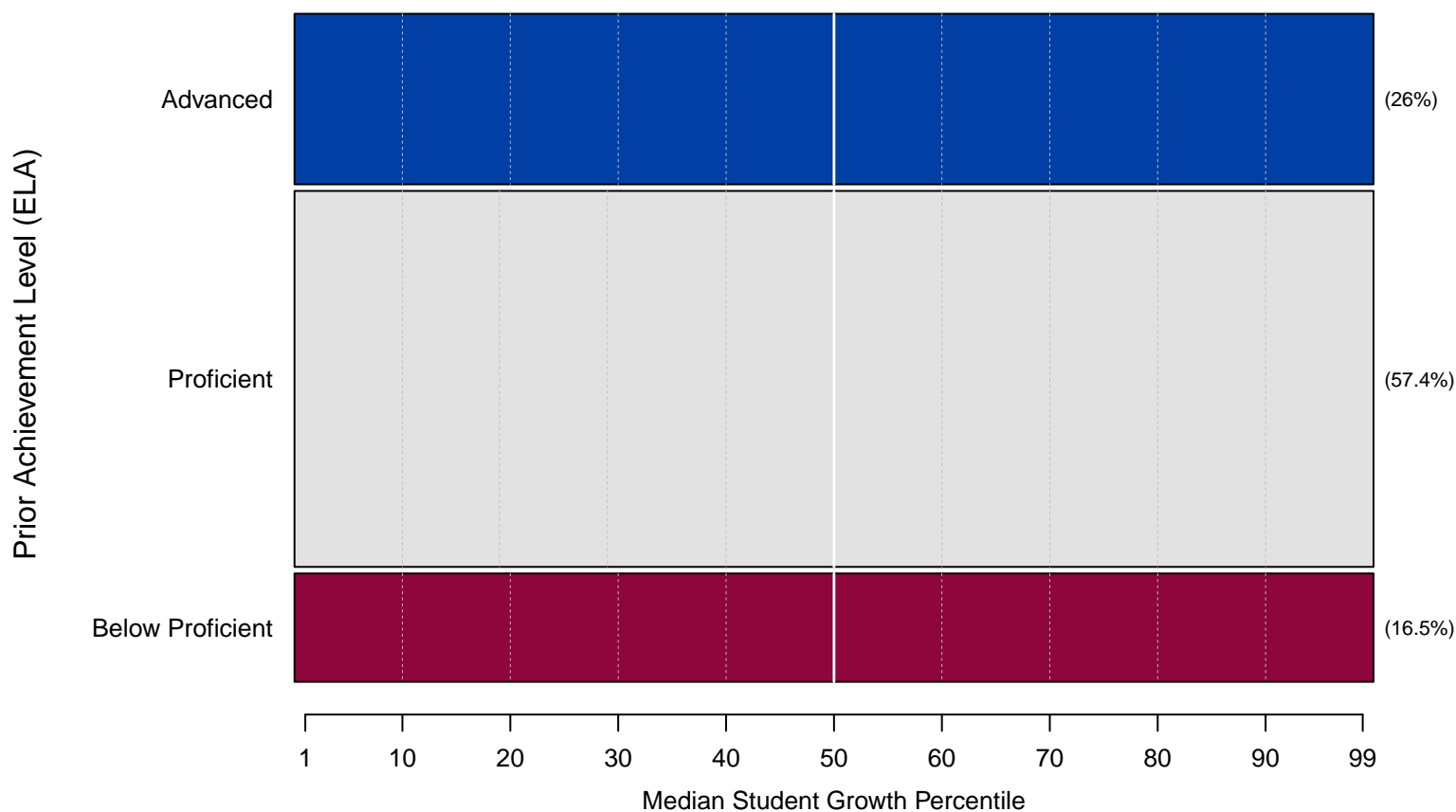## 2015 ELA SGP, Grade 9 (N = 37,485)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

- Advanced (26%)
- Proficient (57.4%)
- Below Proficient (16.5%)

Median Student Growth Percentile (x-axis: 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/[106,336)	10.20	10.04	9.88	9.96	9.94	10.10	10.04	9.91	9.51	10.42	(10%)
2nd/[336,377)	9.71	9.71	10.12	10.36	9.93	9.36	10.55	9.85	9.93	10.50	(9.8%)
3rd/[377,407)	9.83	11.04	9.94	9.05	10.15	9.81	9.18	9.52	10.78	10.70	(10.2%)
4th/[407,431)	9.35	10.45	9.82	10.86	9.76	10.09	10.23	10.09	9.13	10.23	(9.8%)
5th/[431,454)	10.49	9.04	10.19	9.58	9.74	9.98	9.60	10.11	10.33	10.94	(10%)
6th/[454,476)	9.19	10.44	10.41	9.91	10.12	9.29	10.15	10.31	9.80	10.39	(10%)
7th/[476,498)	10.18	10.13	9.78	10.31	9.70	10.10	9.67	9.56	10.02	10.55	(10%)
8th/[498,523)	8.71	10.15	9.89	9.75	9.73	10.88	10.59	10.12	10.12	10.07	(10.2%)
9th/[523,555)	10.23	9.88	9.72	10.28	10.12	9.99	9.91	9.32	10.07	10.49	(10.1%)
10th/[555,782]	9.95	9.71	10.14	9.58	10.16	9.76	9.87	10.32	10.00	10.51	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100)

Empirical SGP Distribution (0 to 100)