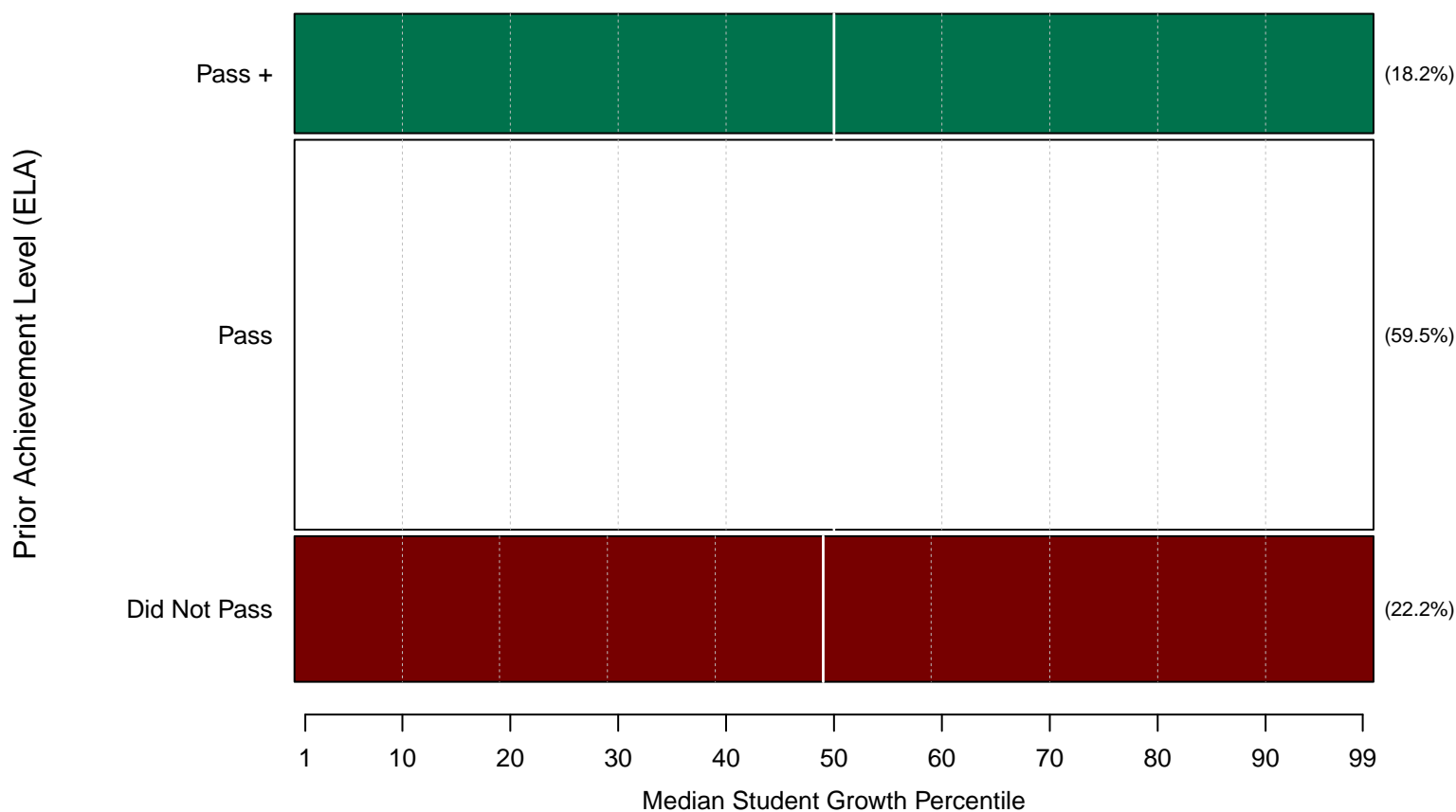# Student Growth Percentile Goodness–of–Fit Descriptives

2013 ELA SGP, Grade 8 (N = 75,406)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

- Pass + (18.2%)
- Pass (59.5%)
- Did Not Pass (22.2%)

Median Student Growth Percentile

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/[210,474)	9.93	10.12	10.08	10.19	9.92	10.04	9.96	9.66	9.77	10.33	(9.7%)
2nd/[474,497)	10.07	10.09	10.37	10.05	9.58	9.59	9.67	10.05	10.03	10.51	(10.2%)
3rd/[497,512)	9.56	11.29	9.53	9.93	10.49	9.94	9.56	9.76	9.50	10.44	(9.4%)
4th/[512,526)	9.96	9.55	10.16	10.01	10.34	10.05	10.29	9.83	9.55	10.26	(10.4%)
5th/[526,539)	9.86	10.10	10.29	9.76	9.88	9.70	9.80	9.88	10.64	10.10	(10.2%)
6th/[539,551)	9.45	10.19	9.95	10.29	9.91	9.78	10.10	10.08	9.63	10.62	(9.7%)
7th/[551,564)	10.30	10.00	9.41	10.11	9.53	10.12	10.29	9.96	9.71	10.57	(9.7%)
8th/[564,580)	9.66	10.46	10.19	9.57	10.14	9.98	9.65	9.74	10.09	10.52	(10.2%)
9th/[580,603)	9.29	10.09	10.34	9.83	10.36	10.09	10.03	9.82	10.21	9.94	(10.2%)
10th/[603,870]	9.97	9.80	9.90	10.15	9.71	9.77	9.88	10.14	9.85	10.82	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution