Student Growth Percentile Goodness–of–Fit Descriptives
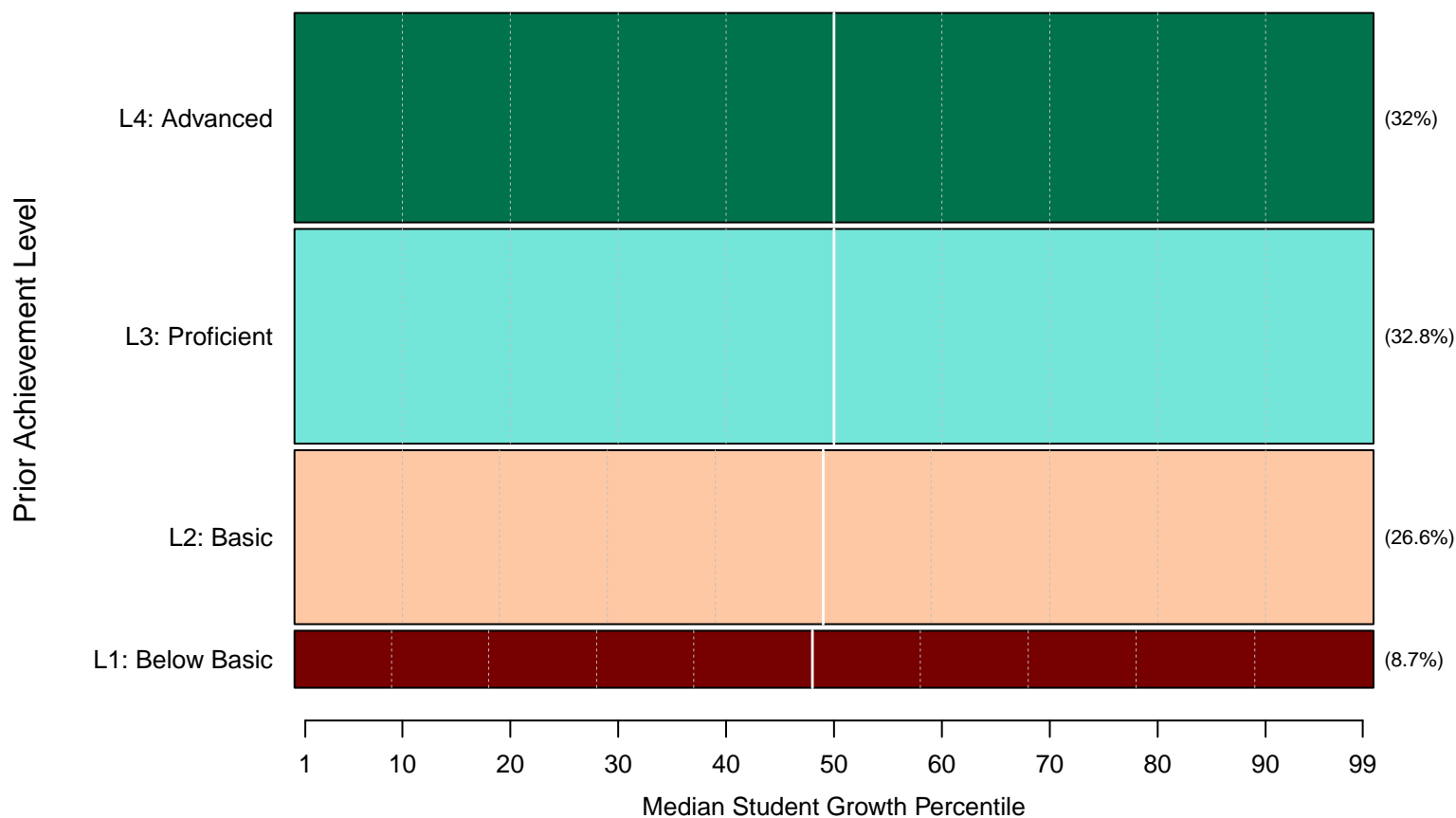## 2008–2009 Reading SGP, Grade 10 (N = 46,335)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced — (32%)
- L3: Proficient — (32.8%)
- L2: Basic — (26.6%)
- L1: Below Basic — (8.7%)

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/[250,376)	11.01	10.86	10.28	10.17	9.73	9.86	9.31	9.69	9.31	9.77	(9.8%)
2nd/[376,388)	10.41	9.93	9.83	10.07	10.24	9.52	10.17	10.41	9.66	9.78	(9%)
3rd/[388,396)	10.16	9.89	9.82	9.82	9.78	10.48	9.52	9.40	10.57	10.55	(10.1%)
4th/[396,402)	9.47	10.76	10.11	9.66	10.27	10.16	9.64	9.81	9.36	10.76	(10%)
5th/[402,407)	9.52	9.64	9.77	9.92	10.05	9.54	11.11	9.97	10.53	9.95	(8.5%)
6th/[407,413)	10.02	9.67	10.26	9.87	9.16	10.42	9.49	10.29	10.15	10.68	(9.8%)
7th/[413,419)	9.63	9.91	10.20	9.37	10.52	9.91	9.79	10.11	10.18	10.38	(10.9%)
8th/[419,427)	9.38	10.04	9.85	10.77	9.67	9.83	9.97	9.95	9.89	10.65	(11.1%)
9th/[427,437)	9.82	10.06	10.23	10.13	10.09	10.52	9.36	9.52	10.09	10.19	(10.4%)
10th/[437,500]	9.53	10.21	9.82	9.92	9.82	9.51	10.70	10.36	9.74	10.38	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution