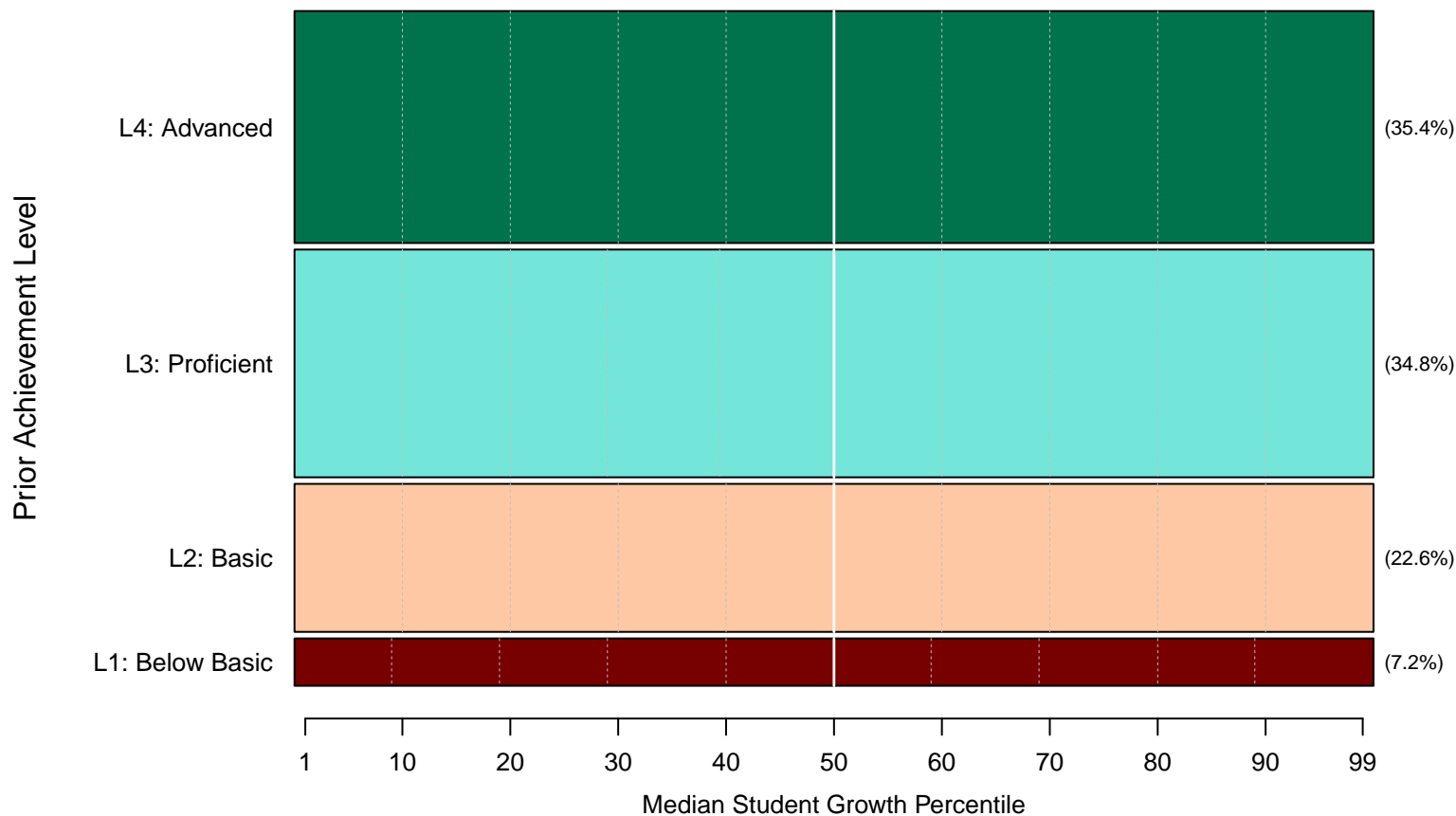# Student Growth Percentile Goodness–of–Fit Descriptives
2009–2010 Reading SGP, Grade 10 (N = 62,981)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced (35.4%)
- L3: Proficient (34.8%)
- L2: Basic (22.6%)
- L1: Below Basic (7.2%)

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/[273,379)	10.37	10.09	9.97	9.42	10.25	10.18	10.08	9.68	9.68	10.27	(9.2%)
2nd/[379,391)	9.33	10.13	10.52	10.38	9.52	10.33	9.83	9.98	9.72	10.25	(9.5%)
3rd/[391,400)	9.50	9.66	9.71	9.48	10.51	9.57	9.79	10.26	10.46	11.07	(11%)
4th/[400,404)	9.74	10.09	10.20	10.07	9.60	9.83	10.45	9.87	9.45	10.69	(7.1%)
5th/[404,410)	9.35	10.25	10.24	10.18	9.68	10.51	10.02	10.20	9.82	9.75	(12.9%)
6th/[410,415)	9.92	10.31	10.39	9.45	10.33	9.58	9.10	10.05	9.89	10.97	(9.8%)
7th/[415,421)	9.66	10.01	9.60	10.34	10.20	9.85	10.12	9.74	9.64	10.86	(10.1%)
8th/[421,428)	9.55	9.62	10.06	9.54	9.99	10.04	10.59	10.53	10.15	9.94	(9.8%)
9th/[428,438)	9.57	10.11	9.85	10.39	10.30	9.75	9.59	9.73	10.23	10.49	(9.2%)
10th/[438,500]	9.56	10.40	10.22	10.03	9.77	9.94	10.02	9.70	10.01	10.37	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution