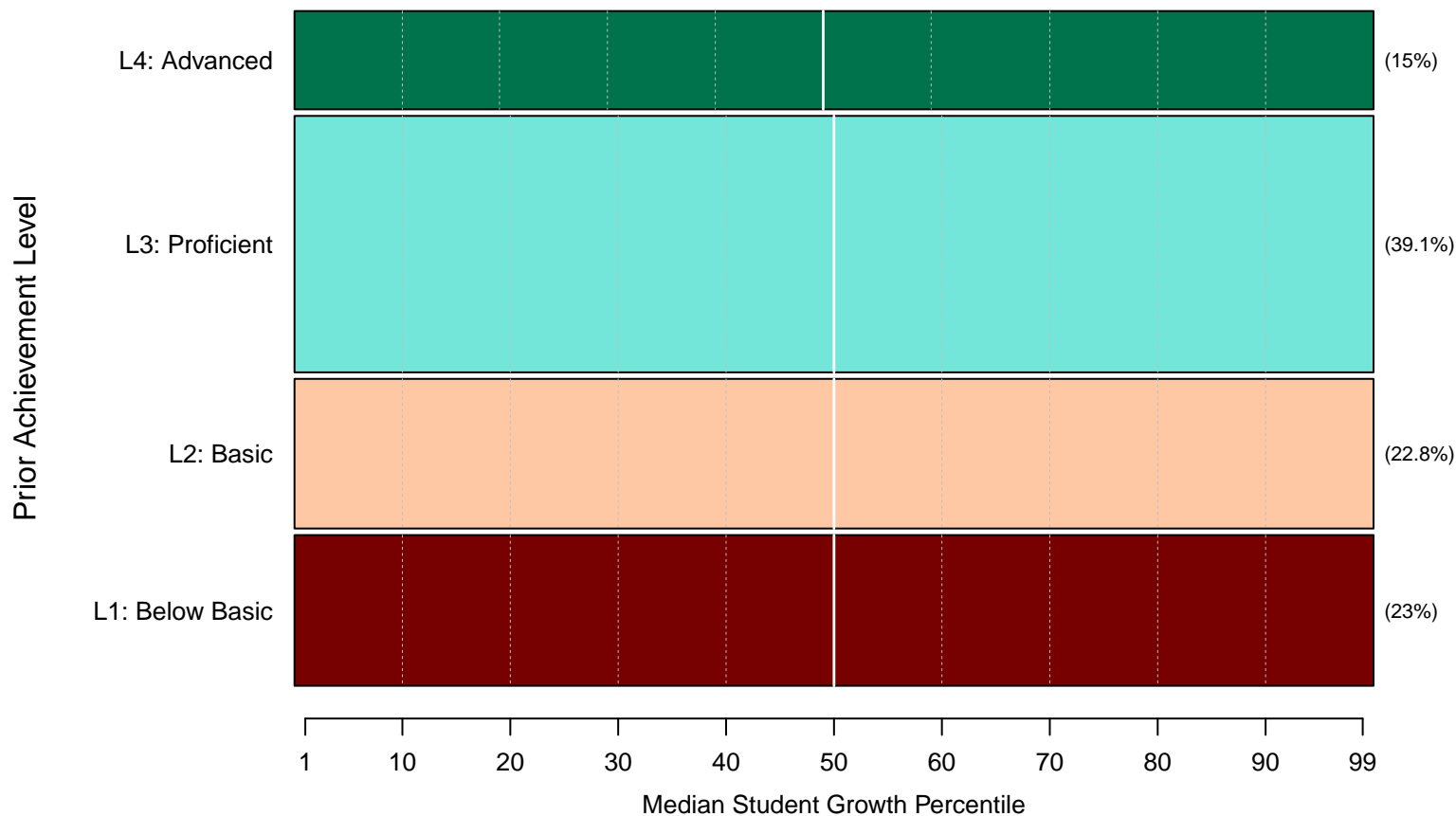# Student Growth Percentile Goodness–of–Fit Descriptives

2008–2009 Mathematics SGP, Grade 5 (N = 70,756)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced (15%)
- L3: Proficient (39.1%)
- L2: Basic (22.8%)
- L1: Below Basic (23%)

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/[243,351]	9.65	9.97	10.00	9.71	10.00	9.88	9.90	10.15	10.17	10.56	(9.4%)
2nd/[351,370]	9.62	10.00	9.73	10.05	9.91	9.89	9.96	10.00	10.24	10.60	(10%)
3rd/[370,383]	9.52	9.74	10.27	10.19	10.01	10.19	10.11	10.08	9.49	10.39	(10.3%)
4th/[383,394]	9.42	10.33	9.76	10.36	10.09	10.26	9.95	9.67	9.53	10.64	(10.1%)
5th/[394,403]	9.54	10.14	9.31	10.48	9.93	10.34	9.60	9.69	10.34	10.62	(9.1%)
6th/[403,413]	9.72	10.01	10.99	8.61	10.12	8.77	10.36	10.99	10.55	9.88	(10%)
7th/[413,427]	9.41	10.59	10.40	9.88	9.07	10.29	9.90	10.14	9.53	10.78	(10.8%)
8th/[427,435]	9.49	9.99	8.50	10.81	11.45	10.06	10.10	9.03	9.88	10.70	(7.7%)
9th/[435,455]	9.58	9.18	9.95	10.87	9.19	10.87	10.09	10.42	9.83	10.02	(10.8%)
10th/[455,550]	9.64	10.39	10.29	9.69	10.15	9.81	9.89	9.29	10.54	10.33	(11.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution