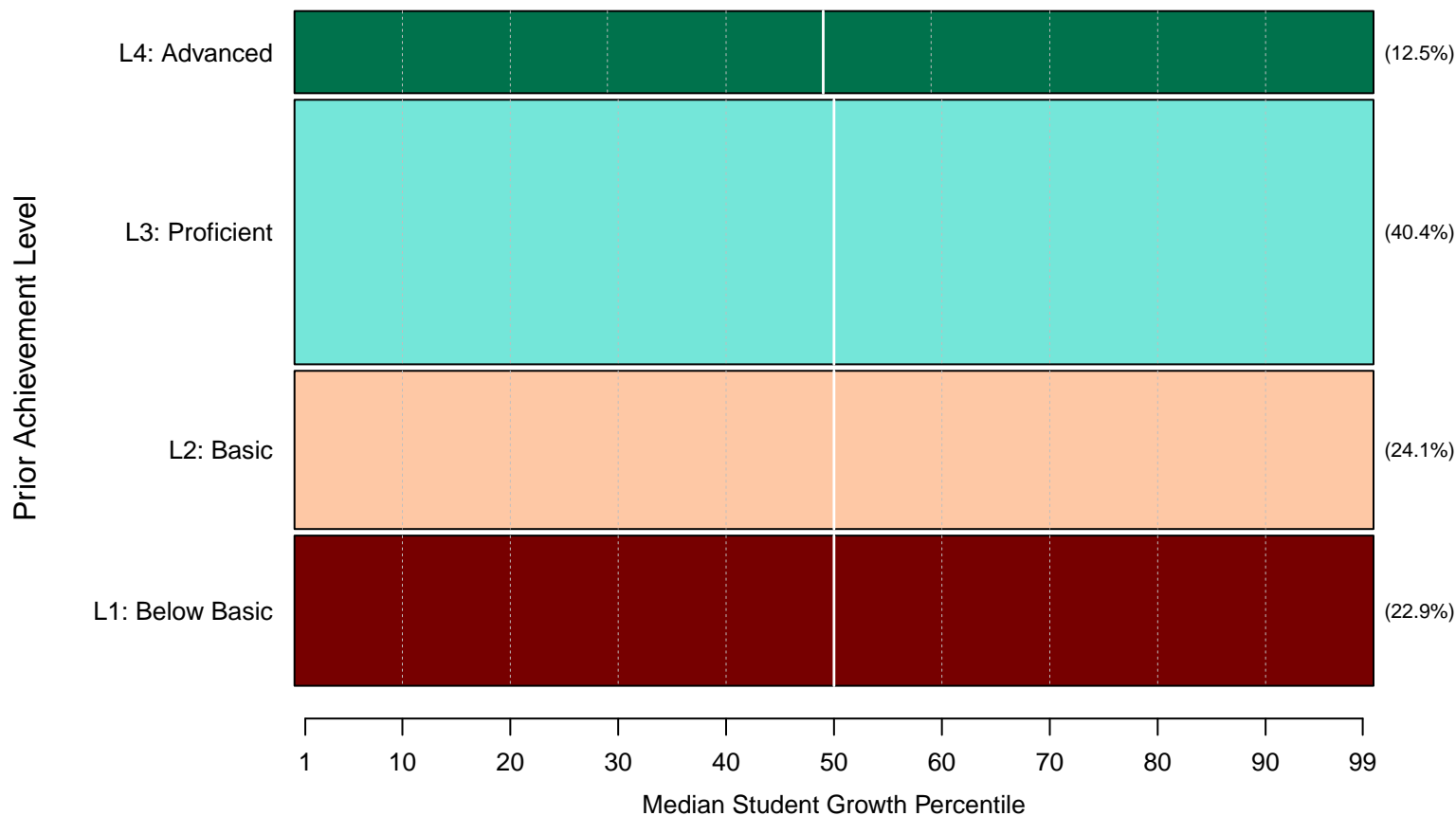# Student Growth Percentile Goodness–of–Fit Descriptives

2009–2010 Mathematics SGP, Grade 5 (N = 71,905)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced — (12.5%)
- L3: Proficient — (40.4%)
- L2: Basic — (24.1%)
- L1: Below Basic — (22.9%)

Median Student Growth Percentile

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/[200,345)	9.80	9.98	10.32	9.92	10.60	9.88	9.77	10.05	9.63	10.04	(8.3%)
2nd/[345,369)	9.46	9.96	9.99	9.50	9.57	10.05	10.02	9.99	10.14	11.31	(11.5%)
3rd/[369,382)	9.43	10.11	9.97	10.57	10.20	9.83	9.64	10.32	10.18	9.74	(10%)
4th/[382,391)	9.63	10.21	9.37	10.09	9.78	9.99	9.85	10.28	10.21	10.57	(8.1%)
5th/[391,400)	9.31	9.82	10.75	10.00	9.65	10.50	10.01	9.80	9.72	10.44	(9.1%)
6th/[400,411)	9.48	9.99	9.89	9.52	10.41	9.51	10.34	9.89	9.90	11.07	(9.9%)
7th/[411,427)	9.75	9.92	9.71	10.31	9.93	10.26	9.81	9.40	10.27	10.64	(10.4%)
8th/[427,435)	9.69	10.76	10.39	9.48	10.69	10.26	8.83	10.19	9.85	9.85	(10.6%)
9th/[435,452)	9.07	9.80	9.68	10.62	8.75	10.02	11.67	9.68	10.09	10.62	(9.5%)
10th/[452,550]	9.86	9.97	10.32	9.62	10.89	9.55	9.56	10.21	9.88	10.14	(12.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100