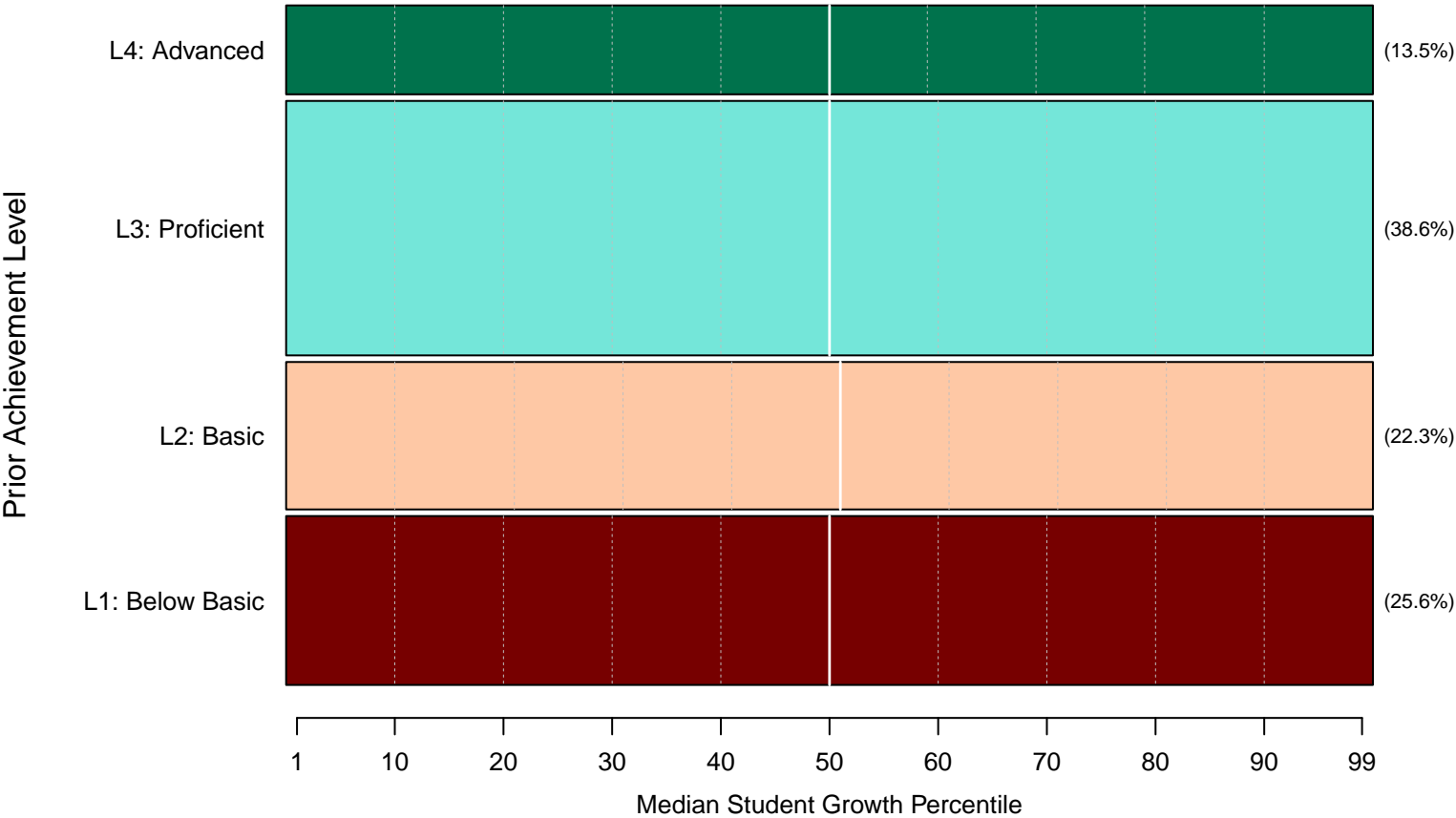# Student Growth Percentile Goodness–of–Fit Descriptives
2009–2010 Mathematics SGP, Grade 7 (N = 70,750)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced (13.5%)
- L3: Proficient (38.6%)
- L2: Basic (22.3%)
- L1: Below Basic (25.6%)

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/[238,350)	9.39	9.98	9.93	10.50	10.02	9.87	9.60	9.74	10.13	10.82	(9.4%)
2nd/[350,366)	9.28	10.31	10.00	9.71	9.56	10.33	9.94	9.85	10.00	11.02	(9.4%)
3rd/[366,378)	9.49	9.81	9.79	9.91	9.94	10.34	9.76	9.90	10.38	10.69	(9.3%)
4th/[378,390)	9.48	9.63	9.94	9.97	10.39	9.34	9.85	10.27	10.55	10.58	(10.7%)
5th/[390,400)	9.24	9.80	9.89	10.19	9.26	10.17	10.16	9.99	10.13	11.17	(9.1%)
6th/[400,407)	9.60	10.92	9.86	9.45	10.14	10.67	10.08	9.71	9.67	9.90	(9.4%)
7th/[407,417)	9.22	9.13	10.05	10.28	10.16	9.65	10.12	10.20	10.10	11.09	(9.9%)
8th/[417,430)	9.61	9.66	10.27	9.68	10.12	10.02	9.52	10.15	10.22	10.74	(9.8%)
9th/[430,449)	9.42	10.32	9.95	9.91	9.36	9.95	10.07	10.26	9.93	10.83	(12.3%)
10th/[449,550]	9.39	9.87	9.94	10.21	10.33	10.31	9.94	10.12	9.68	10.20	(10.7%)

*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