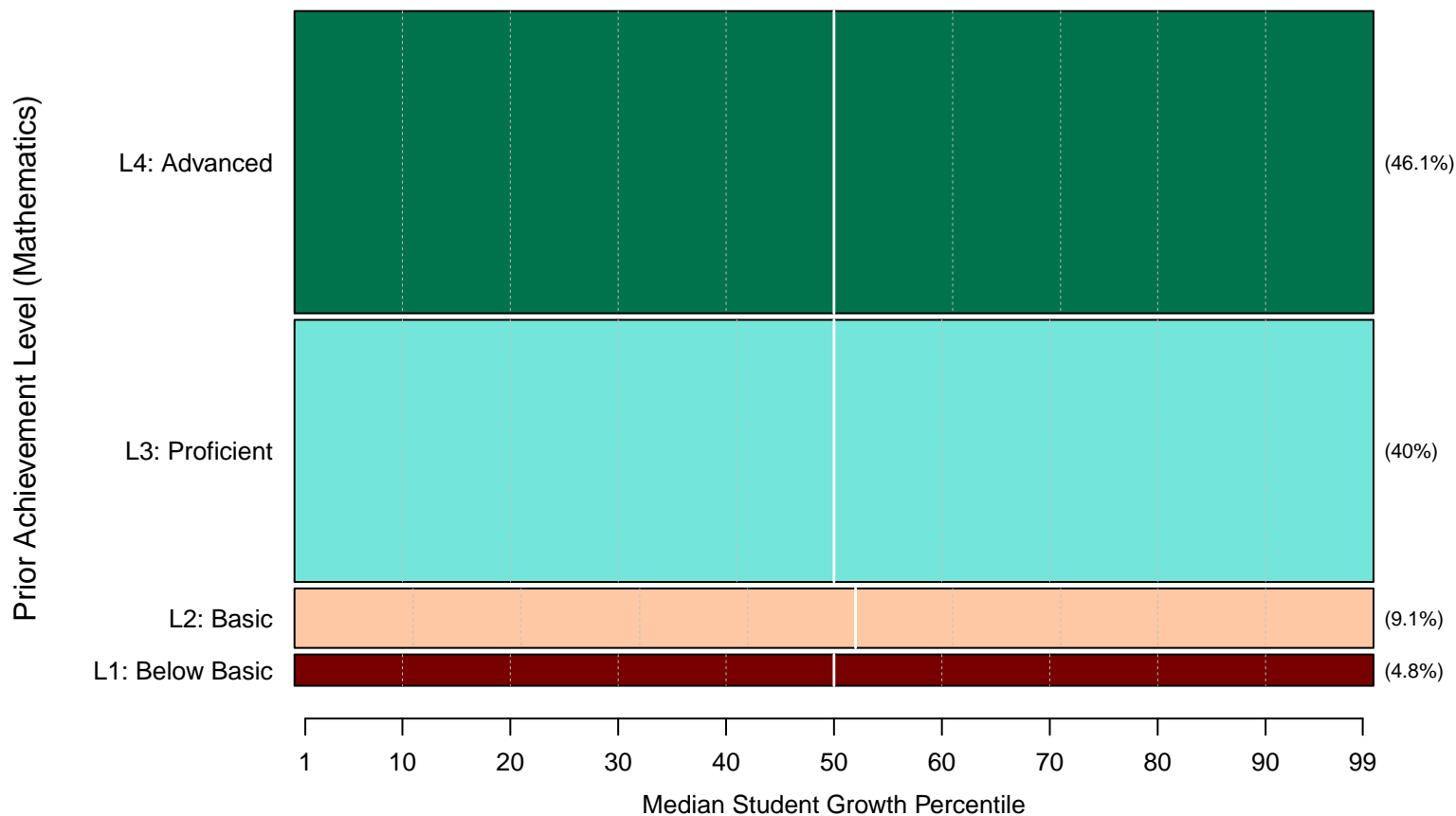# Student Growth Percentile Goodness–of–Fit Descriptives
2011–2012 Eoc Mathematics 1 SGP, Grade EOCT (N = 24,596)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- L4: Advanced (46.1%)
- L3: Proficient (40%)
- L2: Basic (9.1%)
- L1: Below Basic (4.8%)

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/[261,390]	9.24	9.53	10.02	10.10	10.02	9.73	10.31	10.35	10.06	10.64	(9.9%)
2nd/[390,407]	8.92	11.36	9.61	9.22	9.78	11.06	9.99	9.65	9.82	10.59	(9.5%)
3rd/[407,416]	11.04	9.13	10.66	10.38	9.67	10.00	9.56	9.73	10.11	9.73	(7.4%)
4th/[416,425]	9.41	9.67	10.10	10.15	9.62	8.84	9.89	10.63	11.02	10.67	(9.3%)
5th/[425,436]	8.94	9.73	9.02	9.37	10.59	10.34	10.30	10.70	9.30	11.70	(11.4%)
6th/[436,444]	10.07	8.66	9.24	10.58	8.85	12.25	10.26	9.11	10.01	10.97	(6.3%)
7th/[444,454]	9.07	10.62	10.10	9.43	9.89	9.68	10.83	10.32	9.77	10.29	(13.4%)
8th/[454,461]	9.11	9.30	9.49	10.24	9.93	10.36	9.11	9.68	11.55	11.24	(6.5%)
9th/[461,479]	9.58	9.75	9.58	10.19	9.72	9.61	10.09	10.09	10.09	11.31	(12%)
10th/[479,575]	9.24	9.95	10.09	9.78	10.52	9.81	9.84	9.98	10.72	10.07	(14.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution