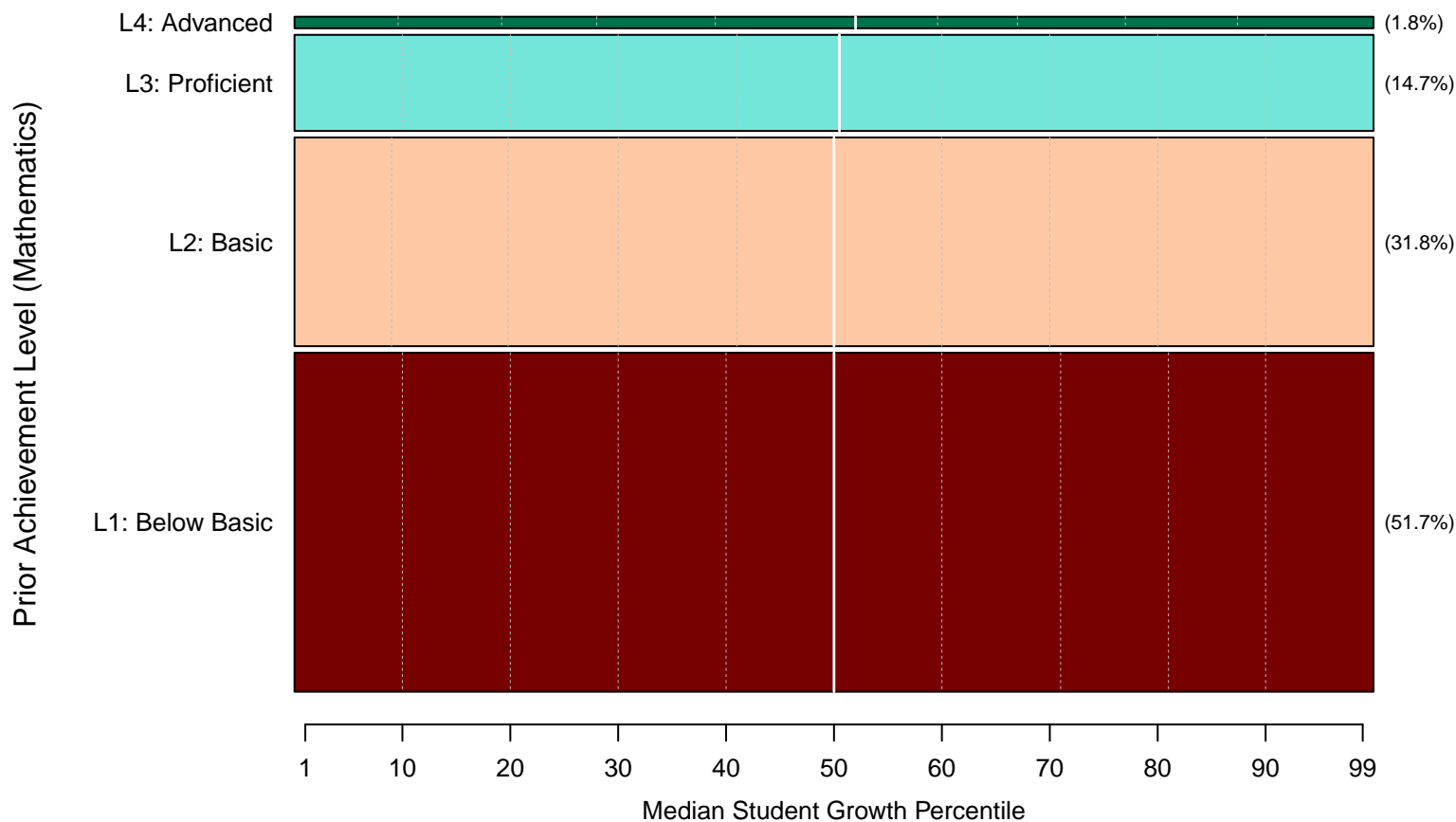# Student Growth Percentile Goodness–of–Fit Descriptives
2010–2011 Eoc Mathematics 1 SGP, Grade EOCT (N = 10,064)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- L4: Advanced (1.8%)
- L3: Proficient (14.7%)
- L2: Basic (31.8%)
- L1: Below Basic (51.7%)

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/[254,335]	8.90	9.80	10.92	10.25	10.25	10.02	9.23	9.91	9.91	10.81	(8.8%)
2nd/[335,349]	11.19	7.93	9.97	8.65	11.29	10.07	8.55	10.17	10.78	11.39	(9.8%)
3rd/[349,357]	8.82	9.31	8.82	10.91	11.27	9.07	10.29	10.29	9.68	11.52	(8.1%)
4th/[357,365]	8.43	10.62	11.01	10.22	8.43	8.63	12.10	10.12	9.13	11.31	(10%)
5th/[365,372]	11.14	10.25	10.75	11.04	8.16	9.55	9.85	8.66	10.75	9.85	(10%)
6th/[372,379]	8.89	9.38	9.38	7.91	11.43	10.84	9.08	10.64	11.82	10.64	(10.2%)
7th/[379,387]	9.46	9.84	9.99	9.46	10.37	10.90	9.77	10.37	9.54	10.30	(13.1%)
8th/[387,394]	11.64	8.90	7.67	12.19	9.86	9.18	9.73	10.41	9.18	11.23	(7.3%)
9th/[394,407]	8.74	10.24	11.65	8.91	9.36	9.44	10.06	10.41	10.15	11.03	(11.3%)
10th/[407,575]	10.38	10.64	9.08	9.43	10.29	10.29	9.78	9.95	10.38	9.78	(11.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution