Student Growth Percentile Goodness–of–Fit Descriptives
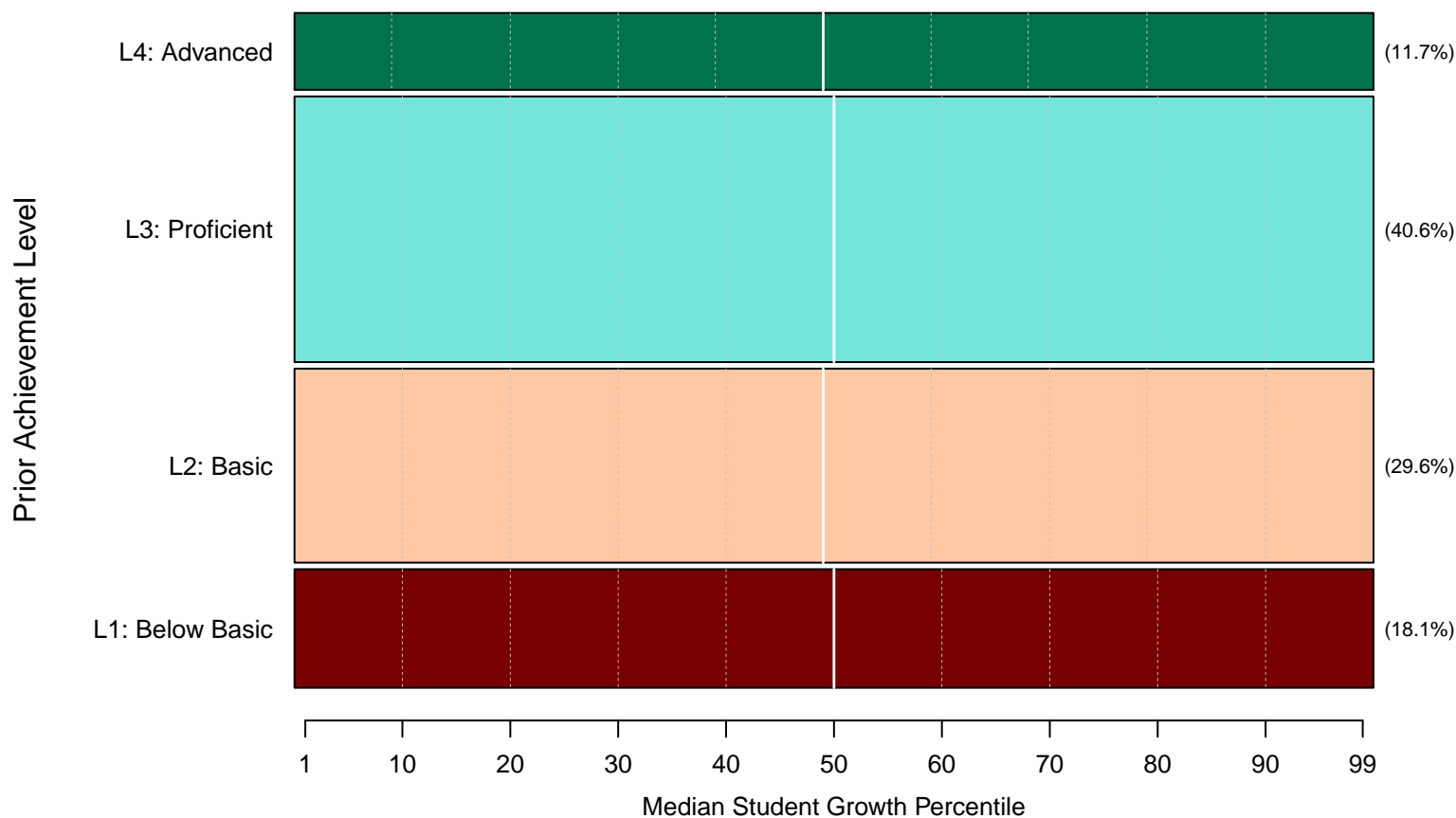
2008–2009 Science SGP, Grade 10 (N = 55,586)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced (11.7%)
- L3: Proficient (40.6%)
- L2: Basic (29.6%)
- L1: Below Basic (18.1%)

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/[243,362)	9.51	10.40	10.34	10.19	9.38	9.79	9.79	10.60	9.53	10.46	(9.1%)
2nd/[362,375)	9.71	8.77	10.86	10.01	10.31	9.99	10.01	9.75	10.27	10.29	(9%)
3rd/[375,384)	9.94	10.83	8.40	10.27	10.90	9.04	10.79	9.67	9.96	10.19	(9.4%)
4th/[384,392)	9.47	10.08	11.05	8.83	9.27	13.51	6.56	10.87	9.76	10.60	(10.9%)
5th/[392,400)	9.81	9.85	9.49	10.99	11.09	7.71	10.76	11.03	8.56	10.70	(9.3%)
6th/[400,405)	9.87	9.15	12.24	10.43	8.51	10.92	8.96	9.27	11.24	9.42	(10%)
7th/[405,412)	9.64	9.46	9.46	9.71	10.91	11.27	9.67	9.94	9.85	10.10	(10%)
8th/[412,419)	9.59	10.36	9.15	10.59	11.19	7.66	10.19	11.00	9.78	10.49	(9.5%)
9th/[419,432)	9.47	11.24	8.82	9.96	10.31	9.34	11.08	8.86	10.10	10.82	(11%)
10th/[432,526]	10.02	9.52	10.33	10.53	9.71	10.40	9.78	10.10	9.56	10.05	(11.7%)

*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