Student Growth Percentile Goodness–of–Fit Descriptives
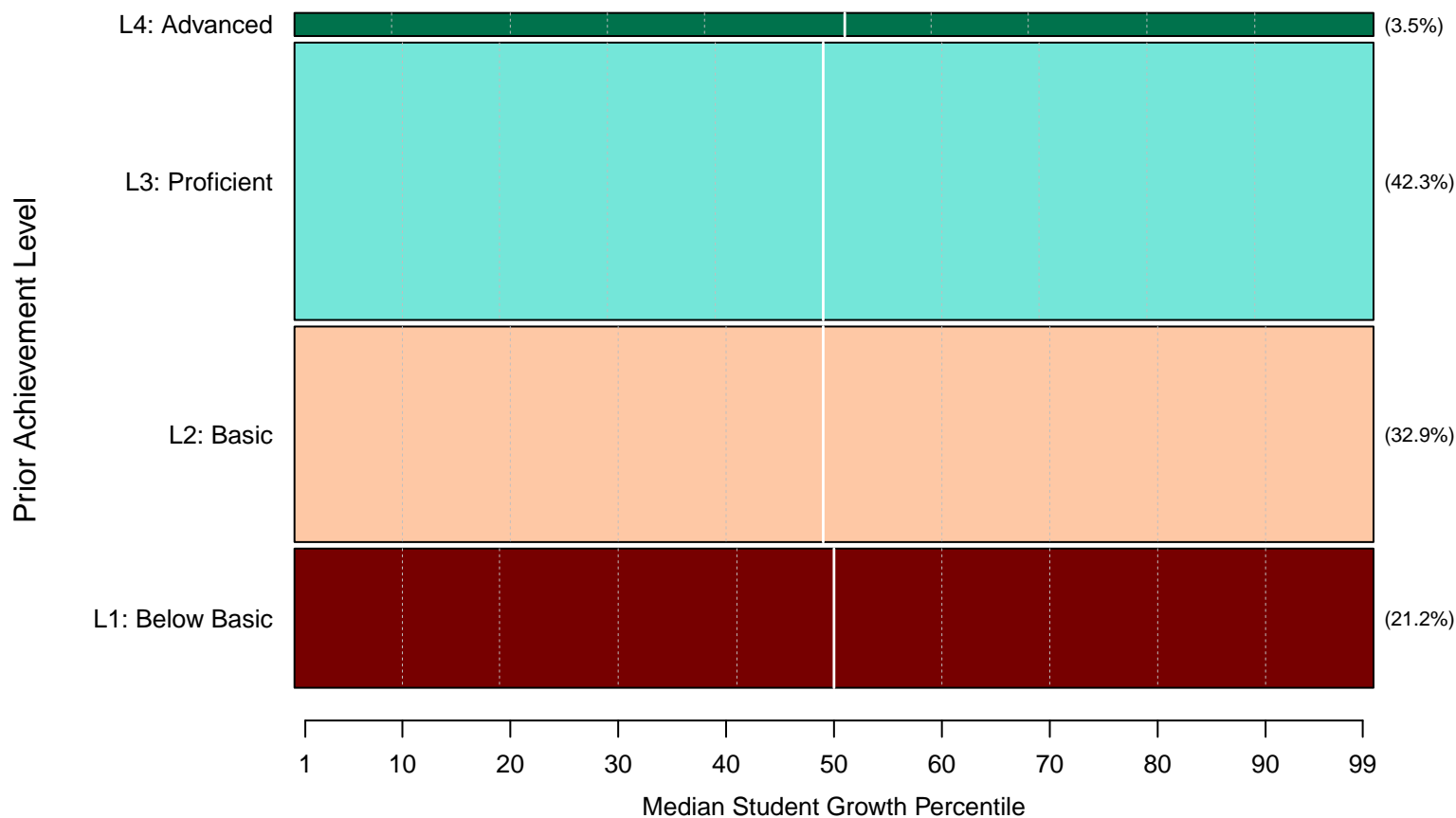## 2011–2012 Science SGP, Grade 8 (N = 66,646)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced — (3.5%)
- L3: Proficient — (42.3%)
- L2: Basic — (32.9%)
- L1: Below Basic — (21.2%)

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/[288,356)	10.35	10.14	10.59	8.84	9.88	10.16	9.54	10.37	9.38	10.76	(9.2%)
2nd/[356,369)	7.97	12.33	7.90	10.88	9.42	10.83	10.72	9.08	10.09	10.79	(8.5%)
3rd/[369,380)	10.61	9.87	10.61	10.18	10.36	9.58	8.87	10.62	10.05	9.25	(11.6%)
4th/[380,388)	8.80	9.91	10.23	7.54	13.52	7.79	10.08	10.56	11.01	10.56	(9.6%)
5th/[388,395)	9.96	9.91	9.90	11.33	9.99	9.24	8.64	11.73	8.64	10.67	(10.1%)
6th/[395,402)	10.05	9.75	11.97	9.37	8.98	9.20	13.55	6.65	10.47	10.01	(10.3%)
7th/[402,405)	9.98	11.73	8.03	9.20	10.70	12.09	7.81	13.26	7.17	10.03	(5.4%)
8th/[405,412)	8.57	10.53	9.59	11.75	8.08	10.48	10.04	11.13	10.58	9.26	(10.6%)
9th/[412,421)	10.24	7.96	11.03	14.03	6.36	8.78	13.72	8.43	8.20	11.25	(10.2%)
10th/[421,500]	9.72	11.36	10.46	8.38	12.85	8.16	8.32	9.98	11.28	9.49	(14.4%)

*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