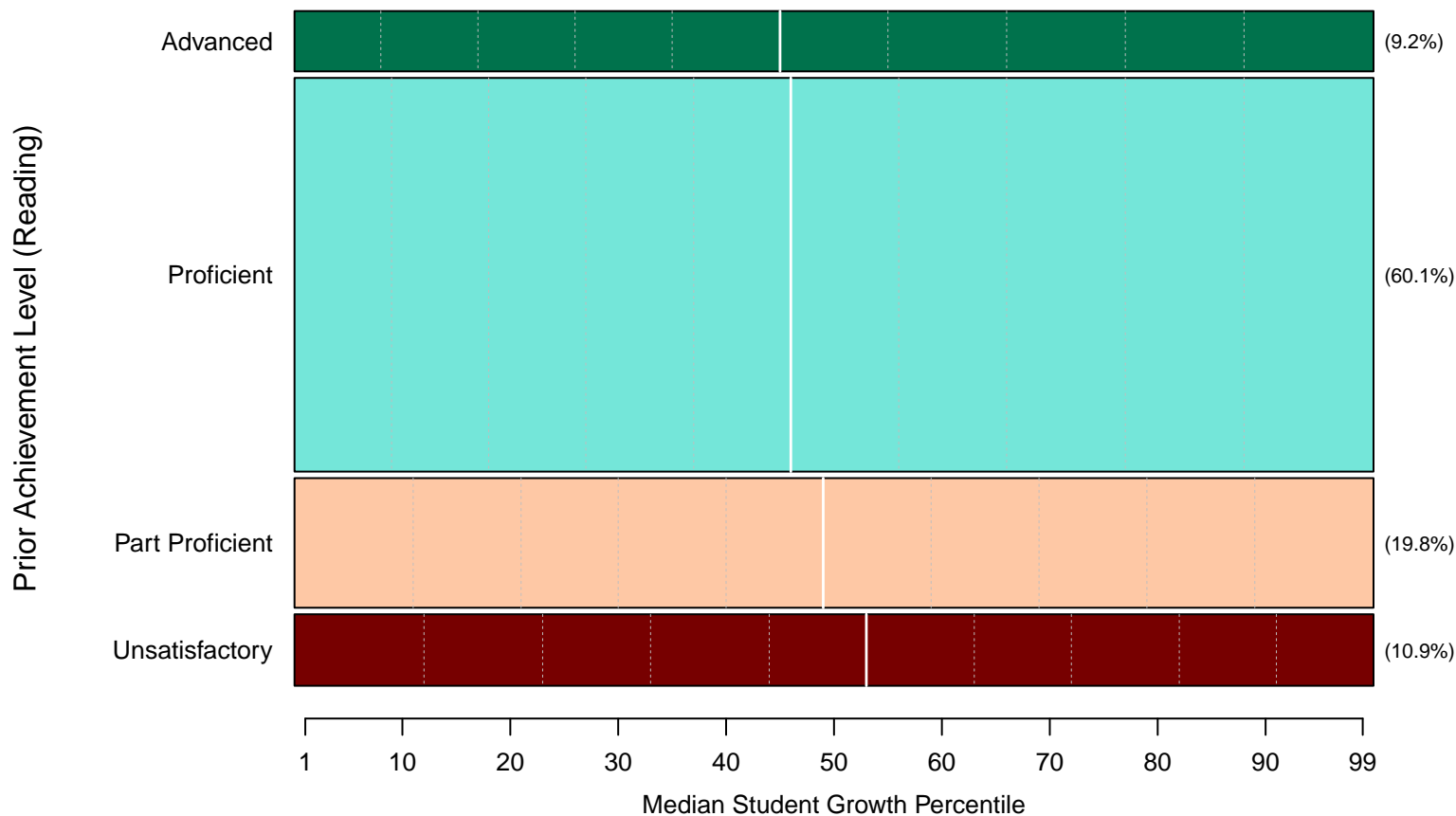# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Reading SGP, Grade 8 (N = 57,173)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

- Advanced (9.2%)
- Proficient (60.1%)
- Part Proficient (19.8%)
- Unsatisfactory (10.9%)

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/[300,562)	8.42	8.31	9.24	9.91	10.70	10.40	9.59	10.82	11.18	11.43	(9.8%)
2nd/[562,597)	8.28	9.64	10.43	9.76	10.52	10.28	9.97	11.28	9.61	10.24	(10.1%)
3rd/[597,618)	8.62	9.40	11.74	10.37	10.89	10.53	9.87	10.25	9.45	8.87	(9.7%)
4th/[618,635)	10.09	10.75	11.14	10.59	10.85	9.68	10.20	9.22	9.35	8.12	(9.9%)
5th/[635,650)	9.19	11.20	10.70	11.01	11.08	9.97	10.75	8.65	9.38	8.06	(10.3%)
6th/[650,663)	9.83	11.10	10.68	10.59	10.43	10.72	10.59	9.54	8.13	8.38	(9.6%)
7th/[663,677)	10.65	11.79	10.60	10.89	10.10	10.02	9.26	9.49	8.68	8.53	(10.3%)
8th/[677,693)	10.51	11.47	10.80	10.66	10.30	10.01	9.89	8.91	8.59	8.85	(10.2%)
9th/[693,713)	10.89	10.45	11.63	10.22	10.77	9.39	8.59	9.23	9.20	9.63	(9.8%)
10th/[713,926]	11.75	10.27	11.58	10.85	9.67	9.94	9.02	9.13	8.72	9.08	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution