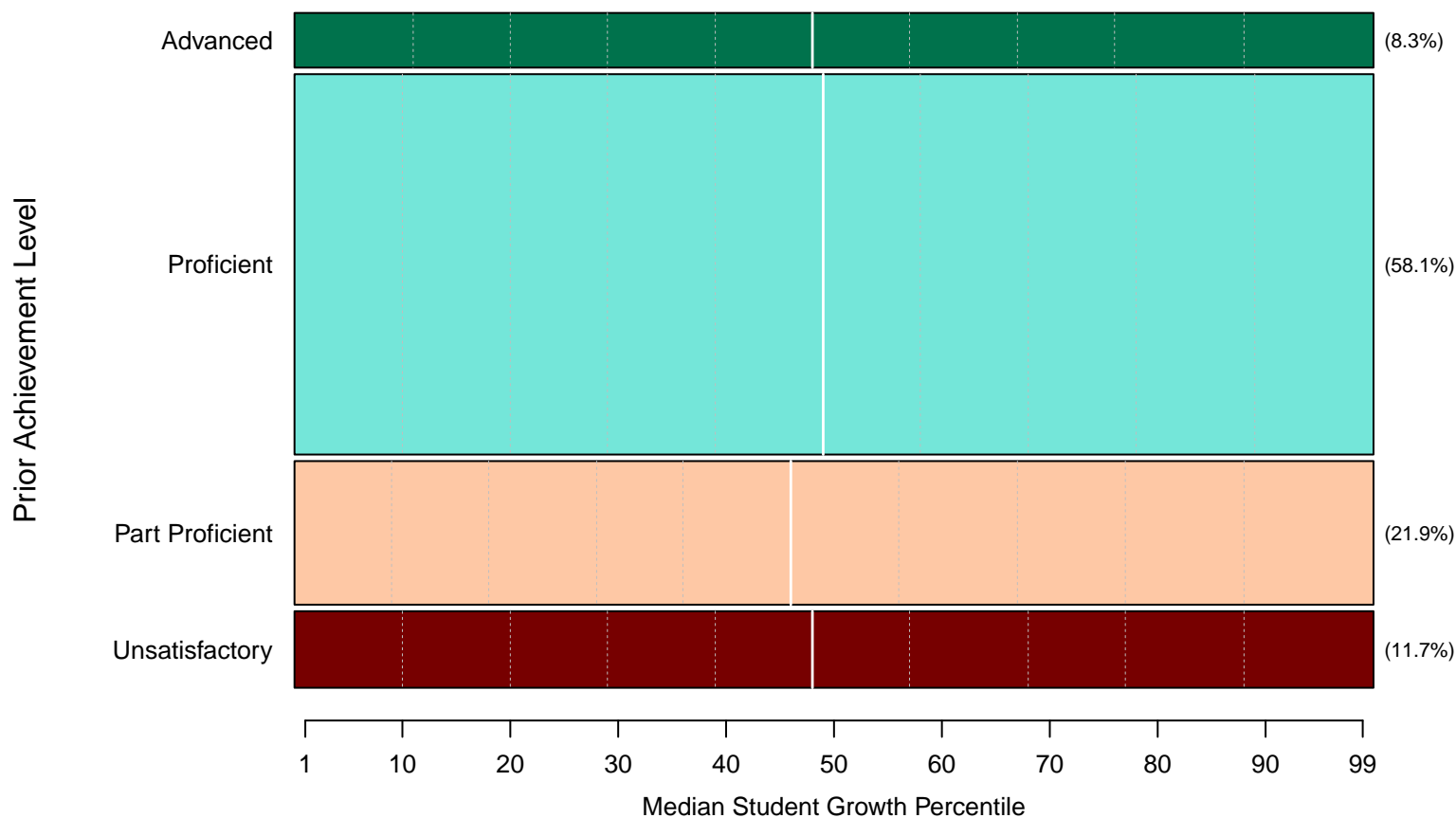# Student Growth Percentile Goodness–of–Fit Descriptives
2007 Reading SGP, Grade 8 (N = 53,337)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Advanced	(8.3%)
Proficient	(58.1%)
Part Proficient	(21.9%)
Unsatisfactory	(11.7%)

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/[300,559)	8.82	10.72	10.59	10.51	11.04	10.32	9.91	10.11	9.15	8.83	(10%)
2nd/[559,592)	10.34	10.48	11.04	10.81	10.36	10.56	9.92	9.45	8.41	8.62	(9.7%)
3rd/[592,613)	10.70	10.79	10.77	10.79	10.62	9.71	9.04	9.42	9.35	8.81	(9.9%)
4th/[613,630)	10.71	11.07	11.11	10.42	10.29	9.84	9.48	8.79	9.48	8.79	(10.4%)
5th/[630,644)	10.82	10.64	9.81	10.11	11.11	9.40	9.83	8.89	9.99	9.40	(9.5%)
6th/[644,659)	10.49	9.96	9.94	10.10	10.86	10.40	9.77	9.59	9.87	9.01	(10.6%)
7th/[659,673)	10.24	10.19	9.90	10.05	10.61	10.26	10.67	9.63	9.55	8.90	(9.7%)
8th/[673,689)	8.68	9.34	10.38	10.27	10.74	10.66	10.21	10.42	9.68	9.62	(9.9%)
9th/[689,711)	8.14	9.41	10.94	10.65	9.76	9.79	10.41	11.12	10.10	9.67	(10.3%)
10th/[711,905]	8.63	10.83	10.44	10.61	10.98	10.63	10.44	10.29	9.01	8.13	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution