

Summary:

-Data on schools including district type, size, budget and student grades was analyzed to identify trends in school performance.

Conclusions:

-Medium and small schools have comparable scores and passing rates whereas large schools have lower scores and a significantly lower passing rate when compared to medium and small schools.

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
School Size					
Large (2000-5000)	77.746417	81.344493	69.963361	82.766634	58.286003
Medium (1000-2000)	83.374684	83.864438	93.599695	96.790680	90.621535
Small (<1000)	83.821598	83.929843	93.550225	96.099437	89.883853

-Charter schools outperform district school scores and charter schools have a significantly higher overall passing rate than district schools.

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
School Type					
Charter	83.473852	83.896421	93.620830	96.586489	90.432244
District	76.956733	80.966636	66.548453	80.799062	53.672208

-Spending per student is not driving performance, as schools with the lowest spending per student have the highest passing rate. There is no obvious correlation between spending and performance.

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
Spending Ranges (Per Student)					
\$585-630	81.899826	83.155286	87.133538	92.718205	81.418596
\$630-645	78.518855	81.624473	73.484209	84.391793	62.857656
\$645-680	76.997210	81.027843	66.164813	81.133951	53.526855
<\$585	83.455399	83.933814	93.460096	96.610877	90.369459