

Name: School Proficiency Index

Display Field: GEOID

Type: Feature Layer

Geometry Type: esriGeometryPolygon

Description: The school proficiency index uses school-level data on the performance of 4th grade students on state exams to describe which neighborhoods have high-performing elementary schools nearby and which are near lower performing elementary schools. The school proficiency index is a function of the percent of 4th grade students proficient in reading (r) and math (m) on state test scores for up to three schools ($i=1,2,3$) within 1.5 miles of the block-group centroid. S denotes 4th grade school enrollment:

$$School_i = \sum_{n=i}^3 \left(\frac{s_i}{\sum^n s_i} \right) * \left[\frac{1}{2} * r_i + \frac{1}{2} * m_i \right]$$

Elementary schools are linked with block-groups based on a geographic mapping of attendance area zones from [School Attendance Boundary Information System \(SABINS\)](#), where available, or within-district proximity matches of up to the three-closest schools within 1.5 miles. In cases with multiple school matches, an enrollment-weighted score is calculated following the equation above. Please note that in this version of the data (AFFHT0004), there is no school proficiency data for jurisdictions in Kansas, West Virginia, and Puerto Rico because no data was reported for jurisdictions in these states in the Great Schools 2013-14 dataset.

Data Source: [Great Schools](#) (proficiency data, 2013-14); [Common Core of Data](#) (4th grade school addresses and enrollment, 2013-14); [Maponics](#) (attendance boundaries, 2016).

Sources:

<https://www.arcgis.com/home/item.html?id=11a058178b9d471292ae2571e84d9ca8>

According to Common Core of Data, the participant schools are public.

<https://nces.ed.gov/ccd/schoolsearch/>

https://nces.ed.gov/ccd/pdf/2015150_sc132a_Documentation_052716.pdf