LCFF Student Equity Need Index Methodology

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Advancement Project California, with Community Coalition and InnerCity Struggle, has produced a research-based ranking of schools most deserving of additional Local Control Funding Formula (LCFF) funds. To capture the widest set of influences on a student possible, the Student Equity Need Index (SENI) is composed of LCFF target student populations, school accountability and continuous improvement statistics, and indicators of neighborhood/community conditions.

Student Equity Need Index Indicators

SENI indicators were confirmed by a literature review and are available from public entities at low or no cost. The data are released annually, enabling year-by-year comparisons.

Indicator	Measure	Year	Source
Target Student Population	Percent of students in foster care, learning English, or socioeconomically disadvantaged (free reduced lunch meal program).	2016-17	CA Department of Education CALPADS
English Learner Reclassification	Percent progress of English learners toward English language proficiency and data on reclassified students.	2016-17	CA Department of Education Dataquest
College Readiness	Percent of twelfth-grade graduates completing courses that meet University of California and/or California State University admissions requirement (a-g).	2015-16	CA Department of Education Dataquest
High School Completion	Percent of cohort students graduating high school.	2015-16	CA Department of Education CALPADS
English Language Arts	Percent of students proficient in English Language Arts in grades 3, 8, and 11.	2016-17	CA Department of Education - CAASPP
Mathematics	Percent of students proficient in Mathematics in grades 3, 8, and 11.	2016-2017	CA Department of Education - CAASPP
Health Outcome*	Asthma hospitalization rate per 10,000 children under 18.	2014-16	Office of Statewide Health Planning and Development
Exposure to Violence*	Number of nonfatal gun injuries per 10,000 persons.	2014-16	Office of Statewide Health Planning and Development

Specialized Program Indexes

LAUSD has expressed interest in creating indexes for specific purposes such as the arts, nursing, and restorative justice. The SENI can complement these indexes by serving as a base of equity from which these specialized program indexes can be compared. For example, an arts index listing the top ten schools in need of additional arts funding can be weighted by the student equity need of the school.

School List

The SENI uses the <u>California Department of Education master list</u> and includes schools meeting the following criteria:
1. Only pulled from LAUSD;
2. Not a charter school;
3. Elementary, intermediate/middle, or high school (public); and
4. Opened before August 2017.

Note: Some schools with nonstandard grade spans (e.g., K-7) are included only in elementary school analyses.

Community Data Attributed to a School

* Indicates an indicator is available by ZIP code and is attributed to a school for analysis. All ZIP codes whose centers fall within a school's attendance boundary are attributed to that school. For schools with no ZIP code center we select the attendance boundary center that falls within a ZIP code. For schools with no attendance boundaries, the school site's ZIP code data is attributed to the school.

Index Calculation Methodology

Each school's data is compared to the district average using a Z-score, a standardized measure for comparison. Z-scores for each indicator are summed and weighted by the number of indicators considered to generate the SENI. SENI quintiles are generated to group schools by student equity need in the following five categories:

- Lowest need for additional funding 0–20th percentile of schools,
- Low need for additional funding 21st–40th percentile of schools,
- Moderate need for additional funding 41st–60th percentile of schools,
- High need for additional funding 61st–80th percentile of schools, or
- Highest need for additional funding 81st-–100th percentile of schools.

We calculated the SENI separately for each grade span (K-5 elementary, 6-8 middle, and 9-12 high school).

Index Indicator Details

Targeted Student Population

2016-2017 Active Schools from the CA Department of Education CALPADS. Summed count of English Learners, Foster Youth, and Free Reduced Lunch Program Students as numerator. Total enrollment as the denominator. Downloaded from: https://www.cde.ca.gov/ds/sd/sd/fscupc1617.asp

English Learner Reclassification (K-12)

2016-2017 students labeled as English Learners reclassified as Fluent-English Proficient from the California Department of Education DataQuest database from: https://data1.cde.ca.gov/dataquest/

College Readiness

2015-2016 Percentage of twelfth-grade graduates meeting University of California and/or California State University (A-G) requirements from the California Department of Education: https://www.cde.ca.gov/ds/sd/sd/

High School Completion

2015-2016 Cohort Graduation Rate from the California Department of Education CALPADS database: https://www.cde.ca.gov/ds/sd/sd/filescohort.asp

English Language Arts (3-11) Percentage

2016-2017 English Language Arts scores and total population tested for grades 3, 8, and 11 from the California Department of Education - California Assessment of Student Performance and Progress (CAASPP). The percentage was created with the numerator as the sum of students meeting and going above the standard and the denominator as the total number of students tested. Downloaded from:
https://caaspp.cde.ca.gov/sb2017/ResearchFileList?ps=true&lstTestYear=2017&lstTestType=B&lstGroup=5&lstCounty=00&lstDistrict=00000&lstSchool=0000000

Mathematics (3-11) Percentage
2016-2017 Mathematics scores and total population tested for grades 3, 8, and 11 from the California Department of Education - California Assessment of Student Performance and Progress (CAASPP). The percentage was created with the numerator as the sum of students meeting and going above the standard and the denominator as the total number of students tested. Downloaded from: https://caaspp.cde.ca.gov/sb2017/ResearchFileList?ps=true&lstTestYear=2017&lstTestType=B&lstGroup=5&lstCounty=00&lstDistrict=00000&lstSchool=0000000

Health Outcome – Under 18 years old Asthma Hospitalization Rate
A custom 2014-2016 Asthma Hospitalization zip code dataset from OSHPD. School level data aggregation was used to calculate Asthma Hospitalization Rate. Rate calculated with asthma hospitalization count as numerator and population under 18 (ACS 2016 5yr Sex By Age – B01001) as denominator and normalized the population by 10,000 persons.

Exposure to Violence – Gun Injuries per 10,000 persons
A custom 2014-2016 Gun Injury zip code dataset from OSHPD. School level data aggregation was used to calculate Gun Injury Rate. Rate calculated with gun injury count as numerator and total population (ACS 2016 5yr Sex By Age – B01001) as denominator. We normalized the population by 10,000 person.