

## Dividing Lines Dataset – Characteristics of Neighboring Pairs of Public Schools

### *Description*

This table reports characteristics of neighboring public schools. Neighboring public school pairs are defined as those whose school attendance boundaries (SAB) are adjacent, such that they share a boundary line. Neighboring school pairs are ordered, based on the racial and ethnic composition of residents (according to census block data):

- **School 'a'** is the school on the side of the boundary that has a *higher share* of Black or Hispanic residents.
- **School 'b'** is the school on the side of the boundary that has a *lower share* of Black or Hispanic residents.

### *Data Sources*

The data sources use for these statistics are:

- U.S. Census Bureau – 2010 Census Block demographics on total residents by race and ethnicity (accessed via NHGIS in 09/2019).
- NCES Common Core of Data (CCD) SY 2018-19 – School characteristics and enrollment by race and ethnicity (accessed via Urban Institute’s Education Data Portal in 09/2020).
- U.S. Department of Education, Civil Rights Data Collection (CRDC) – 2011,2013,2015,2107 survey waves School staffing and instructional characteristics. We report pooled averages across survey waves.
- Stanford Education Data Archive (SEDA) – School level data on average student achievement in standardized state exams.
- Precisely Data Services – National GIS data on school attendance boundaries (SAB) for SY 2019-20.
- University of Richmond’s Mapping Inequality Project – GIS data on the 1930s HOLC “redlining” maps of US cities.

For more information on the structure of this data set please refer to our research report:

<https://www.urban.org/research/publication/dividing-lines-racially-unequal-school-boundaries-us-public-school-systems>

### *Codebook*

Variable	Type	Description
stabbr	String	State abbreviation
maname	String	Metropolitan area name
maid	Num	Metropolitan area id number

level	Num	School level (1 = elementary, 2 = middle, 3 = high)
schid[x]	String	School NCES id number <ul style="list-style-type: none"> <li>• [x] is either:</li> <li>• 'a': the school on the side with more Black/Hispanic residents</li> <li>• 'b': the school on the side with more Black/Hispanic residents</li> </ul>
schname[x]	String	School name. [x] is either 'a' or 'b'
sdid[x]	String	School district NCES id. [x] is either 'a' or 'b'
sdname[x]	String	School district name. [x] is either 'a' or 'b'
leabdy	Num	Indicator for whether schools are in different school districts. 0 = no, 1 = yes.
btype	String	Type of GIS school boundary data (1 = elementary, 2 = middle, 3 = high)
bdytype	String	Type of road coinciding with shared school boundary (if any)
adif_bdy	Num	Absolute difference in the Black or Hispanic share of residents living within 500 m of the attendance boundary line dividing the schools. (source: 2010 US census block data)
adif_sab	Num	Absolute difference in the Black or Hispanic share of total residents living within the schools' attendance boundary (sab). (source: 2010 US census block data)
adif_enr	Num	Absolute difference in the Black or Hispanic share of total student enrolled at the schools. (source: CCD SY 2018-19)
bbindex	Num	Index of racial inequality for the school pair. bbindex =

		$(pop\_saba + pop\_sabb) * adif\_bdy * adif\_sab * adif\_enr$
uneqbdy	Num	Indicator for whether the boundary is “racially unequal”, according to definition in the research report.
[group]_[type][x]	Num	Total population of [group] residents for each [type] of variable. [x] is either ‘a’ or ‘b’  [group] is either: <ul style="list-style-type: none"> <li>• ‘pop’ (total population)</li> <li>• ‘black’</li> <li>• ‘hispanic’</li> <li>• ‘white’</li> <li>• ‘asian’</li> </ul> [type] is either: <ul style="list-style-type: none"> <li>• ‘bdy’ (residents within 500 meters of boundary, source: census blocks)</li> <li>• ‘sab’ (total residents in SAB, source: census blocks)</li> <li>• ‘enr’ (school enrollment source: CCD)</li> </ul>
numblk[x]	Num	Number of census blocks within 500 meters of shared attendance boundary line. [x] is either ‘a’ or ‘b’
[group]_sh[type][x]	Num	[group] share of the population of [type] variable. [x] is either ‘a’ or ‘b’
teach_shabsent[x]	Num	Average share of teachers that are absent more than 10 days per year (source: CRDC). [x] is either ‘a’ or ‘b’
teach_sh12yr[x]	Num	Average share of teachers that are in their 1 <sup>st</sup> or second year of teaching per year (source: CRDC). [x] is either ‘a’ or ‘b’
teach_shcert[x]	Num	Average share of teachers that are certified per year (source: CRDC). [x] is either ‘a’ or ‘b’

teach_tot[x]	Num	Total number of teachers per year (source: CRDC). [x] is either 'a' or 'b'
stutchratio[x]	Num	Student to teacher ratio (source: CCD, CRDC). [x] is either 'a' or 'b'
security_guard[x]	Num	Average total number of security guards per year (source: CRDC). [x] is either 'a' or 'b'
nurses[x]	Num	Average total number of nurses per year (source: CRDC). [x] is either 'a' or 'b'
social_workers[x]	Num	Average total number of social workers per year (source: CRDC). [x] is either 'a' or 'b'
psychologists[x]	Num	Average total number of psychologists per year (source: CRDC). [x] is either 'a' or 'b'
counselors[x]	Num	Average total number of counselors per year (source: CRDC). [x] is either 'a' or 'b'
advtrack[x]	Num	Average number of students in advanced tracking programs per year. Sum of students enrolled in Gifted and Talented, International Baccalaureate, and Advanced Placement programs (source: CRDC). [x] is either 'a' or 'b'
suspensions[x]	Num	Average number of student suspensions per year (source: CRDC). [x] is either 'a' or 'b'
expulsions[x]	Num	Average number of student expulsions per year (source: CRDC). [x] is either 'a' or 'b'
lep[x]	Num	Average number of students with limited English proficiency (LEP) per year (source: CRDC). [x] is either 'a' or 'b'
disab_tot[x]	Num	Average number of students with disabilities per year (source: CRDC). [x] is either 'a' or 'b'
per_frl[x]	Num	Share of students with free or reduced price lunch (FRL)

		(source: CCD). [x] is either 'a' or 'b'
achvmnt[x]	Num	Average level of student achievement in state standardized exams (scaled to standard deviations). (source: SEDA). [x] is either 'a' or 'b'
[G]areapct[x]	Num	Share of school boundary area that overlaps with a grade [G] polygon of the 1930s HOLC 'redlining' maps. (source: Mapping Inequality Project). [x] is either 'a' or 'b'.  [G] is either: <ul style="list-style-type: none"> <li>• A – 'Best'</li> <li>• B – 'Still desirable'</li> <li>• C – 'Declining'</li> <li>• D – 'Hazardous'</li> </ul>