

Exhibit C5



AUGENBLICK,
PALAICH AND
ASSOCIATES



Methodology to Identify Successful Schools for Case Study

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Presentation to the Senate Committee on
Education
and the House Committee on Education
Little Rock, Arkansas

Presentation Overview

- Data Sources
- Statistical Methodology
- School Identification
- Case Study Schools

Data Sources

- **Arkansas Department of Education**
 - Teacher experience, salary, and headcount
 - Revenues, expenditures, and district size
- **University of Arkansas - Office of Education Policy**
 - Combined value-added scores (growth measure)
 - Math, ELA, ELP scores
 - Accounts for how many (or few) EL students there are at a given school
 - School and district demographic data

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Statistical Methodology

- **Carried out exploratory analyses**
 - Correlations between variables
 - Inform model specification
- **Fit a statistical model using 2018 data**
 - Mixed, or hierarchical linear model
 - Accounts for school and district factors
- **Predicted growth based on 2019 data**
 - Based predictions historical student data
 - Generated predictions for all accountability schools
- **Assessed the fit of our model**
 - Compared actual and predicted values

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Case Study School Identification

- **Ranked schools based on performance**
 - The highest ranked schools outperformed expectations
- **Filtered list by selection criteria**
 - A letter grade of A, B, or C (if they improved between 2018 and 2019)
 - A higher than average low-income student percentage (63%); *or*
 - A higher than average LEP student percentage (8%)
 - Only schools that outperformed expectations*
 - 181 schools were eligible for selection
- **Grouped schools by region**
 - Northwest, Northeast, Central, Southwest, Southeast

* One selected school did not outperform expectations (predicted values) but was the highest performing school in the region.

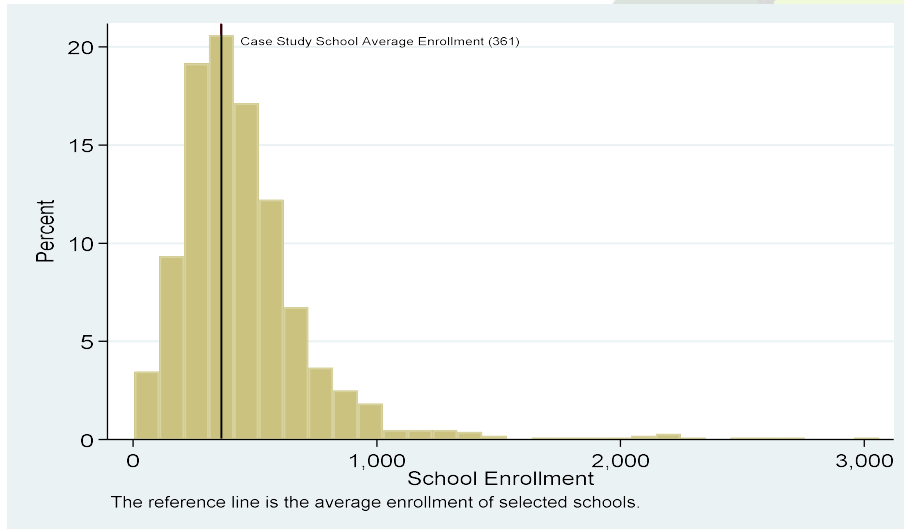
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Case Study Schools: By Region

Northwest Region	Northeast Region	Central Region	Southwest Region	Southeast Region
Lamar Elementary	Weiner Elementary	Theodore Jones Elementary	Oscar Hamilton Elementary	Des Ark Elementary
Helen Tyson Middle School	Paragould Junior High	Lisa Academy North Middle School	Mena Middle School	Crossett Middle School*
Jasper High	Riverview High	North Little Rock Center for Excellence	Lafayette County High	Lakeside High

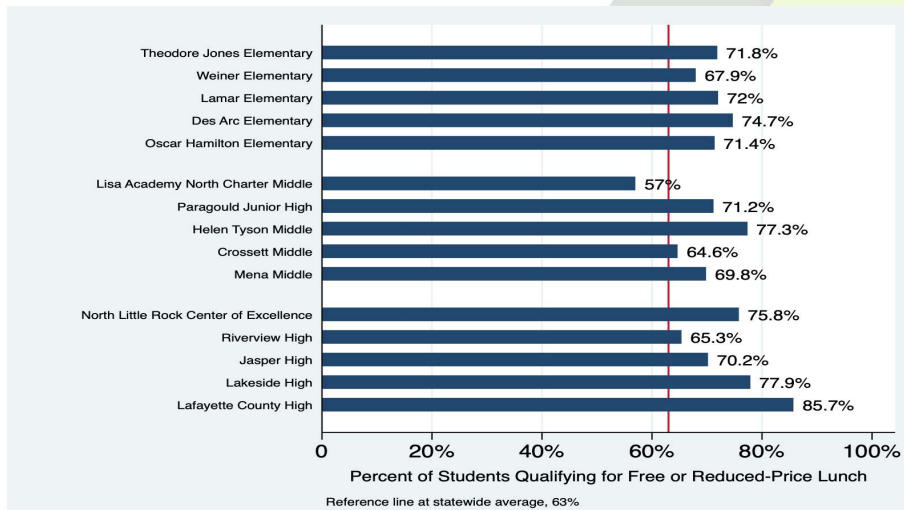
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2019 Arkansas School Enrollment



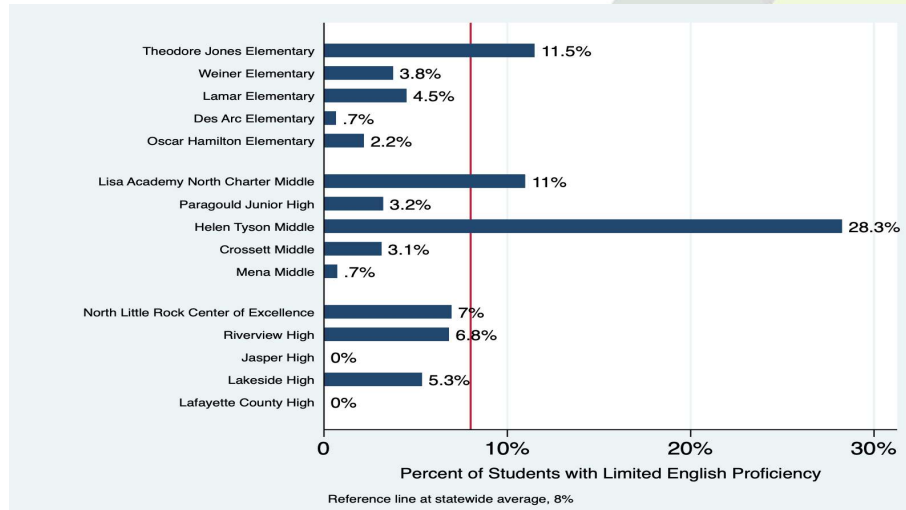
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Case Study Schools: 2019 Low-Income Student Percentages



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Case Study Schools: 2019 EL Student Percentages



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