City Study 2019: Indianapolis
Acknowledgements

- Student-level data were provided by the Indiana Department of Education (IDOE).
- The Mind Trust assisted CREDO with identifying all public Indianapolis schools, schools affiliated with charter management organizations and/or education management organizations, and charter school authorizers within the city.
This Report

• This report on Indianapolis is one in a series of studies examining school performance across 10 U.S. cities.

• Performance is defined as how much academic growth students made from one year to the next.

• The performance of students in Indianapolis is benchmarked to the state average.

• We first track the growth of Indianapolis overall and by sector using data from 2013-14 to 2016-17.

• We then further explore how one-year academic growth for the period ending in Spring 2017 differs by sector, school type, race, free or reduced price lunch status, English language learner (ELL) status, special education status, and gender.
Types of Charters

- **CMO: Charter Management Organizations**
  - To qualify as a CMO, an organization must oversee the operation of at least three charter schools. Further, the CMO must be the charter holder for all of the schools operated by the CMO.

- **EMO: Education Management Organizations**
  - To qualify as an EMO, an organization must provide services under contract to at least three separate charter schools, but does not hold the charter for any school they serve. The EMO must answer to the school’s charter holder in addition to authorizers and state governance.

- **Independent Charter Schools**
  - To qualify as an independent charter school, an organization must oversee the operation of a single charter school. The charter-holding organization may run the school directly or they may contract with an organization which provides services to one or two charter schools.
Indianapolis-Specific Analysis

- The Indianapolis City Report includes analysis for a third sector: Innovation Schools.
  - Innovation Schools are public schools that may be organized as either charters or TPS, but in all cases “operate with the authority to make decisions about all aspects of their school – both academic and operational”.
  - Learn more at: https://www.myips.org/innovation
- The Indianapolis City Report also includes an analysis examining charter authorizers
  - Over 65 percent of the charter schools in Indianapolis are authorized by the Indianapolis Charter School Board (housed within the Mayor’s Office).
  - The other charter schools are authorized by state funded entities.
  - For this analysis, we will compare four groups of schools to the state average:
    - Innovation Schools Authorized by the Indianapolis Charter School Board
    - Innovation Schools Authorized by Another Authorizer
    - Non-Innovation Charter Schools Authorized by the Indianapolis Charter School Board
    - Non-Innovation Charter Schools Authorized by Another Authorizer
Presentation of Results

• The results display two sets of comparisons
  • The progress of Indianapolis students is **benchmarked against the state average learning gains.**
    • The average performance of all students in the state is indexed to 0.00 to serve as the benchmark.
    • Positive numbers represent better than average performance.
    • Negative numbers represent worse than average performance.
    • Significance in the difference between students in the city and the average state performance is represented by black asterisks associated with data labels.
  • The progress of charter school students within Indianapolis is then **compared to the performance of similar TPS students within Indianapolis.**
    • Significance in the difference between a student group in charter schools and the same student group in TPS is represented by colored asterisks associated with bars.
Measurement of Academic Growth

• Results are graphically displayed on two axes:
  • The left axis indicates learning gains of Indianapolis students relative to Indiana’s statewide average learning gains, measured in standard deviation units.
  • The right axis displays the same learning gains measured in days of learning.
    • The state average baseline of 0.00 is taken to be 180 days of learning.
    • Positive performance represents greater gains in days of learning.
    • Negative performance represents fewer gains in days of learning.

• The table below shows a transformation of standard deviation units to days of learning.

<table>
<thead>
<tr>
<th>Standard Deviations</th>
<th>Days of Learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.05</td>
<td>30</td>
</tr>
<tr>
<td>0.10</td>
<td>59</td>
</tr>
<tr>
<td>0.15</td>
<td>89</td>
</tr>
<tr>
<td>0.20</td>
<td>118</td>
</tr>
<tr>
<td>0.25</td>
<td>148</td>
</tr>
<tr>
<td>0.30</td>
<td>177</td>
</tr>
<tr>
<td>0.35</td>
<td>207</td>
</tr>
</tbody>
</table>
Roadmap for Graphs

This menu includes links to specific analyses throughout the report.
In following slides, the same menu is shown on the right-hand side.

- **All Students**
  - Overall Indianapolis Results
  - Breakout by:
    - **Sector**
      - Charter Network
      - Charter Authorizer
      - School-Level
    - **Race**
      - Black Students
      - Hispanic Students
    - **Subgroup**
      - Poverty Status
      - English Language Learner Status
      - Special Education Status
    - **Gender**
      - Female Students
      - Male Students
Indianapolis Analysis: All Students

Average One-Year Learning Gains for All Indianapolis Students Compared to the State Average Learning Gains, by Year and Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in the Spring of each school year (SY).

The roadmaps for graphs include:

- Overall Indianapolis
  - Charter Network
  - Charter Authorizer
  - School-Level
- Sector Analysis
  - Black Students
  - Hispanic Students
- Race Analysis
  - Poverty Status
  - ELL Status
  - Special Ed. Status
- Subgroup Analysis
  - Female Students
  - Male Students
- Gender Analysis
Sector Analysis

Click the buttons below for reading and math growth of Indianapolis schools relative to the state average learning gains by year and sector.

Sector Analysis (Reading)  Sector Analysis (Math)
Sector Analysis: Reading

Learning Gains in Reading for Students in Indianapolis Charter Schools, Indianapolis Innovation Schools, and Indianapolis TPS Compared to the State Average Learning Gains by Year

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in the Spring of each school year (SY).
Sector Analysis: Math

Learning Gains in Math for Students in Indianapolis Charter Schools, Indianapolis Innovation Schools and Indianapolis TPS Compared to the State Average Learning Gains by Year

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in the Spring of each school year (SY).
Charter Network Analysis

Learning Gains for Students in Indianapolis Network-Affiliated Charter Schools and Independent Indianapolis Charter Schools Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Charter Authorizer Analysis

Learning Gains for Indianapolis Students Attending Innovation Schools or Charter Schools Compared to the State Average Learning Gains, by Charter Authorizer and Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
School-Level Performance by Sector

Click the buttons below for reading and math growth of individual Indianapolis schools relative to the state average by sector. The top cluster of dots shows where individual charter schools lie on spectrum of growth, the middle cluster shows that of innovation schools, and the bottom cluster shows that of individual TPS.
School Growth by Sector - Reading

Distribution of Reading Learning Gains of Individual Indianapolis Schools Compared to the State Average Learning Gains

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Race Analysis

Click the buttons below for graphs showing the performance of Black students in Indianapolis or Hispanic students in Indianapolis relative to state average learning gains.

Roadmap for Graphs
- Overall Indianapolis
- Sector Analysis
  - Charter Network
  - Charter Authorizer
  - School-Level
- Race Analysis
  - Black Students
  - Hispanic Students
- Subgroup Analysis
  - Poverty Status
  - ELL Status
  - Special Ed. Status
- Gender Analysis
  - Female Students
  - Male Students
Race Analysis: Black Students

Learning Gains for All Indianapolis Black Students Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Race Analysis: Black Students by Sector

Learning Gains for Black Charter School Students and Black TPS Students in Indianapolis Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Race Analysis: Hispanic Students

Learning Gains for All Indianapolis Hispanic Students Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Race Analysis: Hispanic Students by Sector

Learning Gains for Hispanic Charter School Students and Hispanic TPS Students in Indianapolis Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Click the buttons below for graphs showing the performance of Indianapolis students in Poverty, Indianapolis students with English Language Learner designation, or Indianapolis students receiving special education services relative to state average learning gains.
Learning Gains for All Indianapolis Students in Poverty Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Subgroup Analyses:
Poverty Status by Sector

Learning Gains for Indianapolis Charter School Students in Poverty and Indianapolis TPS Students in Poverty compared to the State Average Learning Gains, by Subject

* Growth significantly stronger than that of TPS
* Growth significantly weaker than that of TPS

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Subgroup Analyses: English Language Learner Status Analysis

Learning Gains for All ELL Students in Indianapolis Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Subgroup Analyses: English Language Learner Status by Sector

Learning Gains for ELL Students in Indianapolis Charter Schools and ELL Students in Indianapolis TPS compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Subgroup Analyses: Special Education Status Analysis

Learning Gains for All Indianapolis Students in Special Education Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Subgroup Analyses: Special Education Status by Sector

Learning Gains for Indianapolis Charter School Students in Special Education and Indianapolis TPS Students in Special Education compared to the State Average Learning Gains, by Subject

- **Indianapolis Charter Students in Special Ed.**
  - **Reading**
  - **Math**

- **Indianapolis TPS Students in Special Ed.**
  - **Reading**
  - **Math**

* Significant at p < 0.05
** Significant at p < 0.01

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Gender Analysis

Click the buttons below for graphs showing the performance of female students in Indianapolis or male students in Indianapolis relative to state average learning gains.

Female Students

Male Students

Roadmap for Graphs

- Overall Indianapolis
- Sector Analysis
  - Charter Network
  - Charter Authorizer
  - School-Level
- Race Analysis
  - Black Students
  - Hispanic Students
- Subgroup Analysis
  - Poverty Status
  - ELL Status
  - Special Ed. Status
- Gender Analysis
  - Female Students
  - Male Students
Gender Analysis: Female Students

Learning Gains for All Indianapolis Female Students Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Gender Analysis: Female Students by Sector

Learning Gains for Female Charter School Students and Female TPS Students in Indianapolis compared to the State Average Learning Gains, by Subject

- Growth significantly stronger than that of TPS
- Growth significantly weaker than that of TPS

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Gender Analysis:
Male Students

Learning Gains for All Indianapolis Male Students Compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Gender Analysis: Male Students by Sector

Learning Gains for Male Charter School Students and Male TPS Students in Indianapolis compared to the State Average Learning Gains, by Subject

The 0.00 line represents the average learning gains of the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
The summary of the findings from the analysis of Indianapolis schools is presented here.