City Study 2019: Kansas City, Missouri
Acknowledgement

- Student-level data were provided by the Missouri Department of Elementary and Secondary Education.

*Note: The School Smart Kansas City assisted CREDO with verifying the list of public schools in Kansas City.*
This report on *Kansas City, Missouri* is one in a series of studies examining school performance across selected U.S. cities.

- Performance is defined as how much academic growth students made from one year to the next.
- The performance of students in Kansas City is benchmarked to the state average, accounting for student characteristics.
- We first track the growth of Kansas City 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, poverty 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.
Presentation of Results

The results display two sets of comparisons:

- The progress of Kansas City students is benchmarked against the state average learning gains, accounting for student characteristics.
  - 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.
- The progress of charter school students within Kansas City is then compared to the performance of similar TPS students within Kansas City.
  - Significance in the difference between a student group in charter schools and the same student group in TPS is represented by colored asterisks.
Measurement of Academic Growth

- Results are graphically displayed on two axes:
  - The left axis indicates learning gains of Kansas City students relative to the average learning gains of students with similar characteristics in the state, measured in standard deviation units.
  - The right axis displays the same learning gains measured in days of learning.
    - The baseline of 0.00 represents 180 days of learning.
    - Positive performance translates to more days of learning.
    - Negative performance represents fewer 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>
This menu includes links to specific analyses throughout the report.
In the following slides, the same menu is shown on the right-hand side.
Kansas City Analysis: All Students

Average One-Year Learning Gains for All Kansas City 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).
Click the buttons below for English Language Arts (ELA) and math growth of Kansas City schools relative to the state average learning gains by year and sector.
Sector Analysis: ELA

Learning Gains in ELA for Students in Kansas City Charter Schools, Kansas City Magnet (Signature) Schools and Kansas City Non-Magnet 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).
Learning Gains in Math for Students in Kansas City Charter Schools, Kansas City Magnet (Signature) Schools and Kansas City Non-Magnet 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 Kansas City Network-Affiliated Charter Schools and Independent Kansas City 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.
Click the buttons below for ELA and math growth of individual Kansas City schools relative to the state average by sector. The upper cluster of dots shows where individual charter schools lie on spectrum of growth, and the lower cluster shows that of individual TPS.
School Growth by Sector - ELA

Distribution of ELA Learning Gains of Individual Kansas City 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.
Distribution of Math Learning Gains of Individual Kansas City 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.
Race Analysis

Click the buttons below for graphs showing the performance of Black students in Kansas City or Hispanic students in Kansas City relative to the statewide average learning gains for students of the same race.
Race Analysis: Black Students

Learning Gains for All Kansas City Black Students Compared to the Average Learning Gains of Black Students Statewide, by Subject

- ELA: 0.06
- Math: 0.03

The 0.00 line represents the average learning gains of Black students in 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 Kansas City Compared to the Average Learning Gains of Black Students Statewide, by Subject

The 0.00 line represents the average learning gains of Black students in 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 Kansas City Hispanic Students Compared to the Average Learning Gains of Hispanic Students Statewide, by Subject

- **ELA**
  - 0.02
- **Math**
  - 0.01

The 0.00 line represents the average learning gains of Hispanic students in 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 Kansas City Compared to the Average Learning Gains of Hispanic Students Statewide, by Subject

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

Click the buttons below for graphs showing the performance of Kansas City students in poverty, Kansas City students with English Language Learner designation, or Kansas City students receiving special education services relative to average learning gains of students of the same subgroup statewide.
Subgroup Analyses: Poverty Status Analysis

Learning Gains for All Kansas City Students in Poverty Compared to the Average Learning Gains of Students in Poverty Statewide, by Subject

The 0.00 line represents the average learning gains of students in poverty in 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 Kansas City Charter School Students in Poverty and Kansas City TPS Students in Poverty Compared to the Average Learning Gains of Students in Poverty Statewide, by Subject

The 0.00 line represents the average learning gains of students in poverty in 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 Kansas City Compared to the Average Learning Gains of ELL Students Statewide, by Subject

The 0.00 line represents the average learning gains of ELL students in 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 Kansas City Charter Schools and ELL Students in Kansas City TPS Compared to the Average Learning Gains of ELL Students Statewide, by Subject

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

* Significant at p < 0.05
** Significant at p < 0.01
Learning Gains for All Kansas City Students in Special Education Compared to the Average Learning Gains of Students in Special Education Statewide, by Subject

The 0.00 line represents the average learning gains of students in Special Ed. in 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 Kansas City Charter School Students in Special Ed. and Kansas City TPS Students in Special Ed. Compared to the Average Learning Gains of Students in Special Ed. Statewide, by Subject

The 0.00 line represents the average learning gains of students in Special Ed. in 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 Kansas City or male students in Kansas City relative to statewide average learning gains for the same gender.
Gender Analysis: Female Students

Learning Gains for All Kansas City Female Students Compared to the Average Learning Gains of Female Students Statewide, by Subject

The 0.00 line represents the average learning gains of female students in 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 Kansas City Compared to the Average Learning Gains of Female Students Statewide, by Subject

The 0.00 line represents the average learning gains of female students in the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Learning Gains for All Kansas City Male Students Compared to the Average Learning Gains of Male Students Statewide, by Subject

The 0.00 line represents the average learning gains of male students in the entire state. These results capture one-year academic growth for the period ending in Spring 2017.
Learning Gains for Male Charter School Students and Male TPS Students in Kansas City compared to the Average Learning Gains of Male Students Statewide, by Subject

The 0.00 line represents the average learning gains of male students in 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 Kansas City schools is presented here.