



Statewide Review of Educational Opportunities

Delaware State Board of Education
and

Delaware Department of Education

December 17, 2015

Agenda

- Project Scope
- Methodology
- Data Sources
- Program Availability
- Student Choice Patterns
- Demand Analysis
- Recommendations
- Interactive Map



PCG Team and Delaware Project Leads

PCG Team

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Delaware Project Leads

- Donna Johnson, Executive Director, State Board of Education
- Susan Keene Haberstroh, Policy and External Affairs, Department of Education

Project Scope

- **Identify the current specialized educational opportunities** available in:
 - Traditional district schools
 - Vocational technical schools
 - Magnet schools
 - Charter schools
- Produce a **report on statewide educational opportunities** with supporting data and analysis
- Develop an **interactive statewide geographical map** detailing school data and information



Methodology

- Research Questions
 - What is the current landscape of specialized educational offerings?
 - What are student choice/selection patterns across the state?
 - Are schools/districts and the state meeting the known demand?
- Data Sources
 - Delaware's longitudinal data system
 - DDOE
 - Survey administered by PCG



Data Sources

DDOE & Longitudinal Data System

- **Data Collected:**
 - Student enrollment data
 - Student demographic data
 - Charter enrollment by school and grade
 - Course enrollment data
 - Statewide enrollment projections

Survey

- **Data Collected:**
 - Programs offered by school
 - Current program enrollment
 - CTE pathways offered by school
- **Requested but not Universally Available:**
 - Number of choice applications
 - Choice applicant demographics
 - Historical program enrollment
 - Number on program waitlist
 - Number on school waitlist

Specialized Educational Program Availability

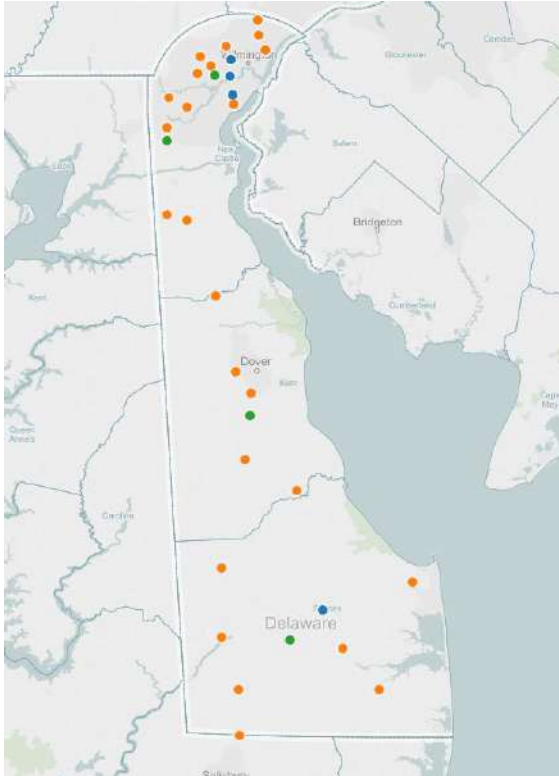
Summary and Description of Select Programs

Program Summary

- Largest number of programs in most highly populated areas
- Most program types are available in all school types
- Advanced level programming is concentrated at the high school level
- Dual language immersion is concentrated at the elementary level

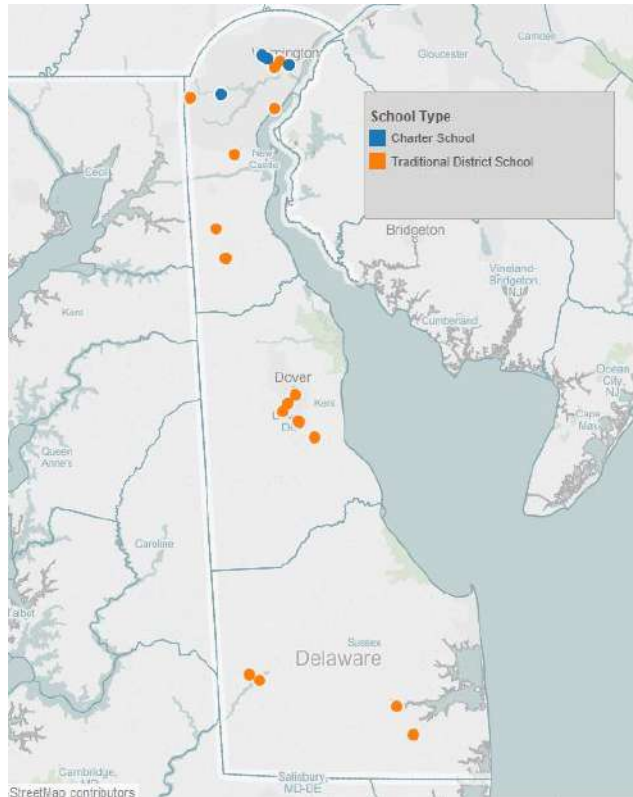


Advanced Placement



- Available in all traditional and vocational technical districts, and most charter high schools
- Number of unique courses offered in traditional districts: ranges from 2 to 24
- Largest number of unique courses in largest districts and one charter school
- Most prevalent: AP Math and Science
- Other Advanced Programs:
 - International Baccalaureate
 - College Credit/Dual Enrollment
 - Gifted and Talented

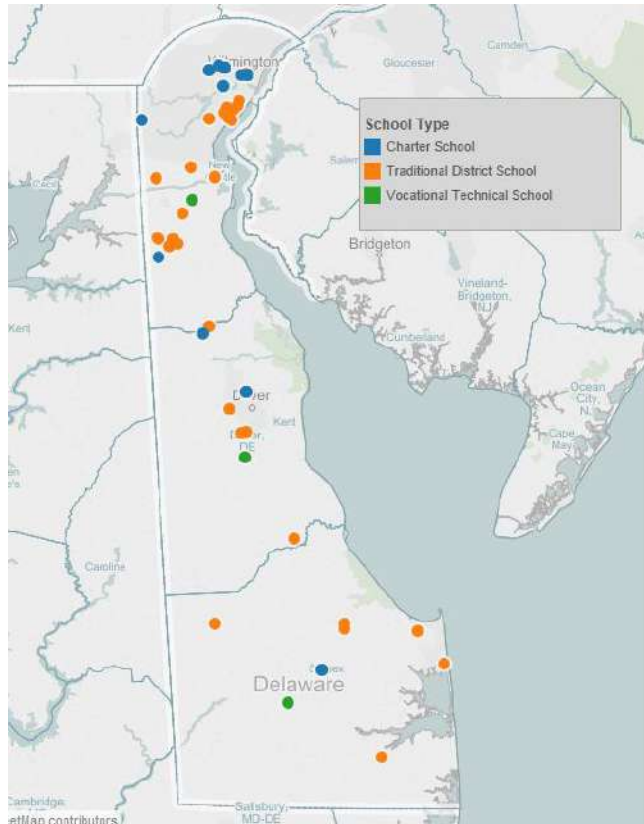
World Language



Dual Language Immersion Schools

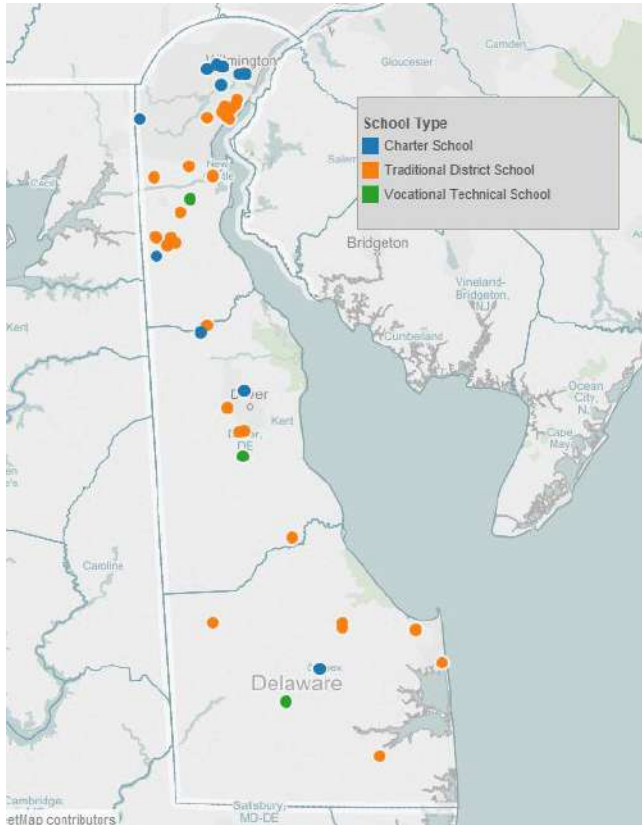
- World Language Courses:
 - Available in all schools serving grades 9-12
 - 9 unique languages offered
 - Most commonly offered: Spanish
- Dual Language Immersion:
 - 21 elementary schools (18 traditional and 3 charter)
 - Offered in every county
 - 16 Spanish immersion, 5 Mandarin immersion, 1 Greek immersion

Science, Technology, Engineering, and Math (STEM)



- Offered in all school types
- Offered in all counties
 - 67% of programs located in New Castle County
 - 20% of programs located in Kent County
 - 14% of programs located in Sussex County
- STEM programs by Grade Level
 - 18 elementary
 - 9 middle
 - 17 high
- STEM Instructional Focus
 - 3 charter schools

Credit Recovery/Dropout Reengagement



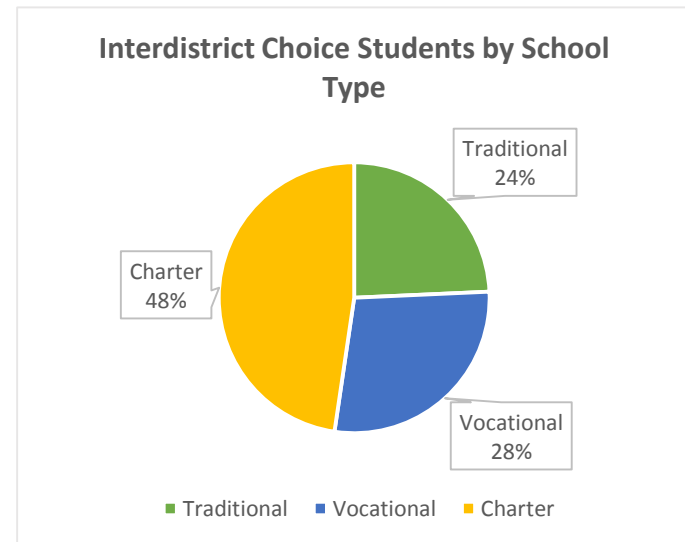
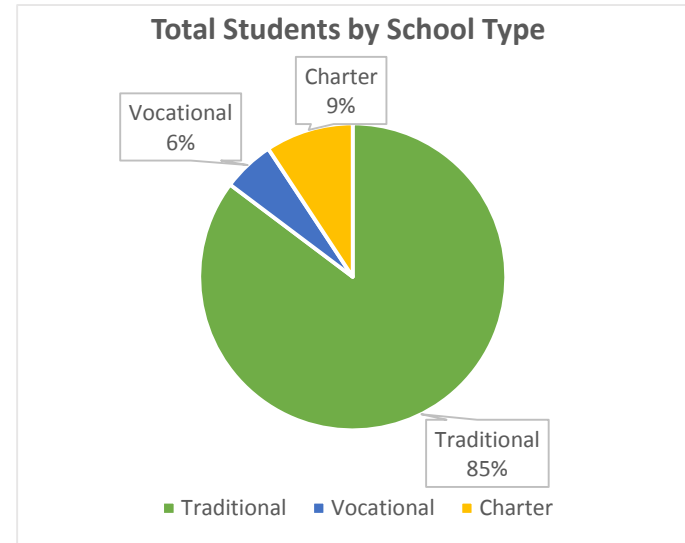
- Offered in all school types
- Similar distribution across all three counties
- Most districts offer the program in one high school
- Offered in:
 - 20 high schools
 - 2 middle/high schools
 - 2 middle schools

Student Choice Patterns

Traditional, Charter, and Vocational Technical Schools

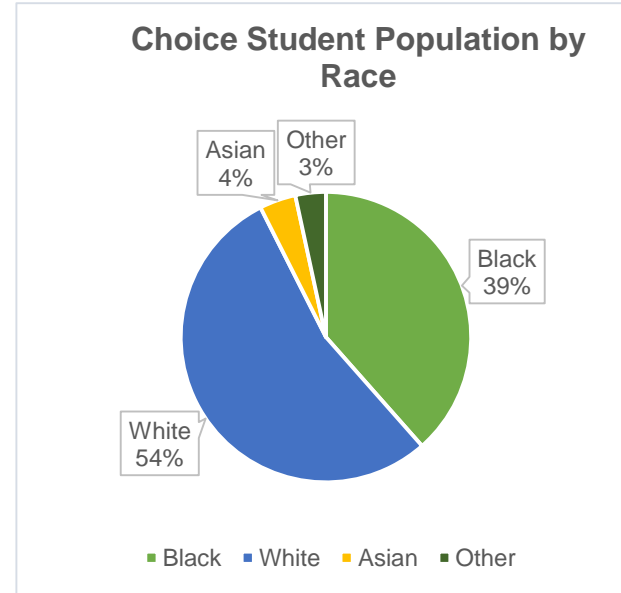
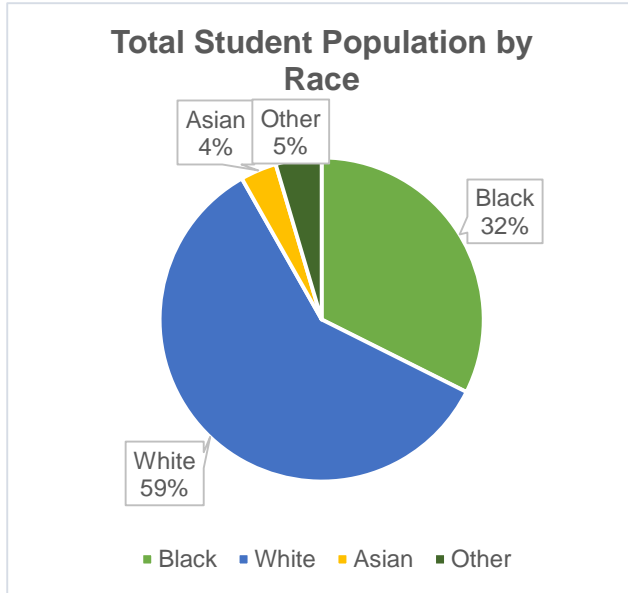
Choice Participation

- 26% of students participate in school choice
- 19% participate in interdistrict choice, 6% in intradistrict choice
- Interdistrict participation rates are highest in grades 9-12
- By County:
 - New Castle County: Largest number of options and highest rates of participation
 - Sussex County: Lowest number of options and smallest participation
 - Highest concentration of charter schools: New Castle County



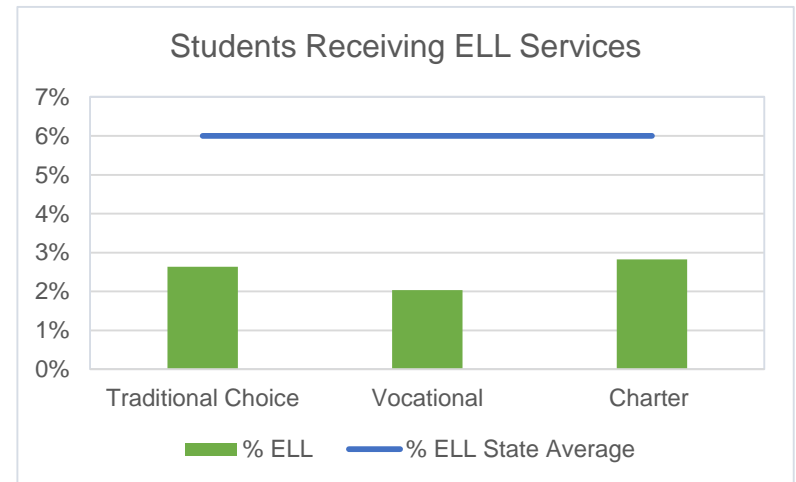
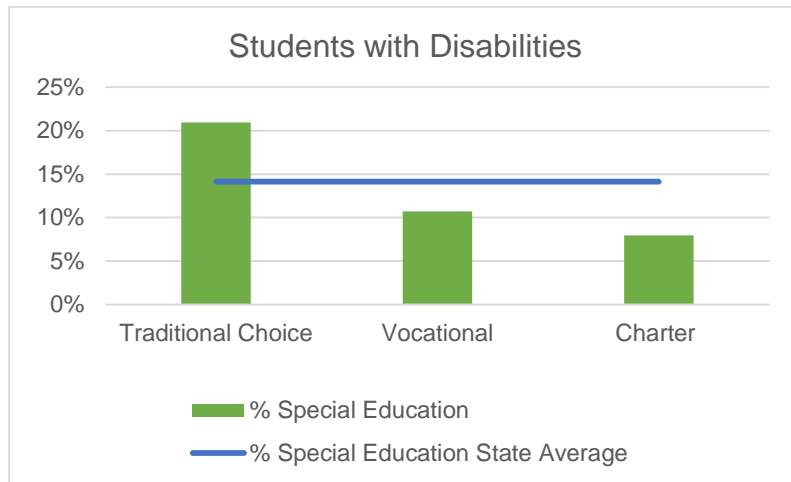
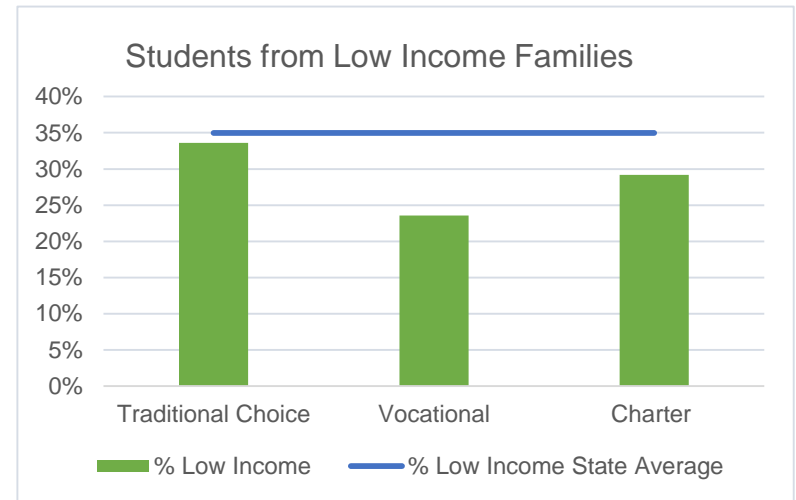
Interdistrict Choice Participation by Race

- Black students have a proportionally higher rate of choice school attendance compared to the percentage of black students in the state's overall population
- Black students represent a larger percentage of the student population in districts with the highest rates of school choice participation
- White students enroll in choice schools at lower rates, compared to their percentage in the overall student population
- Asian students are equally represented in the choice population and the overall student population



Demographic Findings

- Students from low income families attend choice schools at lower rates
- Students with disabilities attend vocational technical and charter schools at lower rates
- Students receiving ELL services attend choice schools at lower rates



Demand Analysis and Recommendations

By County, School Type, and Grade Band

Building Capacity

Analysis by County

- There are available seats in every county across the state
 - Building capacity exceeds student enrollment
 - *Available seats vary greatly within districts and schools, with several schools nearing or over capacity**
- Schools at or above capacity have a slightly higher rate of both inter- and intra- district choice students
- New Castle County has the largest available capacity

| | At or Above Capacity ($\geq 100\%$) | | Below Capacity ($< 100\%$) | | Number of open seats |
|--------------|---------------------------------------|-------------------------------|--|---------------------------|----------------------|
| | Number of schools at or over capacity | Number of seats over capacity | Number of schools with excess capacity | Number of available seats | |
| Kent | 18 | -1312 | 23 | 2404 | 1092 |
| New Castle | 23 | -1539 | 86 | 13001 | 11462 |
| Sussex | 14 | -712 | 29 | 3527 | 2815 |
| Total | 55 | -3563 | 138 | 18932 | 15369 |

Enrollment: 2014-15 SY

Building Capacity: 2015-16 SY

Building Capacity

Analysis by School Type

- There are seats available in every school type
- Percent of schools below 100% capacity by school type:
 - 64% of charter schools
 - 72% of traditional schools
 - 80% of vocational technical schools
- Of under-enrolled schools, 60% have enrollment less than 90% of their building capacity
- No vocational technical schools have excess capacity greater than 10%
- Majority of over-enrolled schools serve elementary grades

| School Type | Number of Open Seats |
|------------------------------------|----------------------|
| Charter School | 1529 |
| Vocational Technical School | 66 |
| Traditional District School | 13774 |
| Total | 15369 |

Enrollment: 2014-15 SY

Building Capacity: 2015-16 SY

Waitlist

Analysis by School Type

- Majority of charter and vocational technical schools report a waitlist
- Waitlist data is not consistently collected
 - Survey responses varied significantly
- Percent with waitlist by school type:
 - Charter: 67%
 - Traditional: 32%
 - Vocational technical: 100%
- Majority with waitlists serve elementary grades (77%)

Waitlist reported for 2015-16 SY

| School Type | Schools with a Waitlist | | Schools without a Waitlist | | Unknown or not reported waitlist | | Total Schools |
|-----------------------------|-------------------------|------|----------------------------|-----|----------------------------------|-----|---------------|
| | # | % | # | % | # | % | |
| Charter School | 18 | 67% | 5 | 19% | 4 | 15% | 27 |
| Vocational Technical School | 5 | 100% | 0 | 0% | 0 | 0% | 5 |
| Traditional District School | 54 | 32% | 53 | 32% | 60 | 36% | 167 |
| All Schools | 77 | 39% | 58 | 75% | 64 | 83% | 199 |

Industry Projections and Programs

Projected Job Growth through 2022

| Industry Sector | Projected Net Job Growth |
|--|--------------------------|
| Health Care and Social Assistance | 9,980 |
| Construction | 5,070 |
| Finance and Insurance | 4,440 |
| Professional and Technical Services | 3,790 |
| Accommodation and Food Services | 3,210 |
| Retail Trade | 2,670 |
| Administrative and Waste Services | 2,330 |
| Educational Services | 1,950 |
| Other Services, except Public Administration | 1,800 |
| Government | 1,250 |

Career Cluster Enrollment, 2014-15

| Career Cluster | Total Enrollment |
|--|------------------|
| Human Services | 2,496 |
| Science, Technology, Engineering & Math | 1,941 |
| Health Science | 1,828 |
| Agriculture, Food & Natural Resources | 1,668 |
| Business Management & Administration | 1,073 |
| Architecture and Construction | 1,006 |
| Finance | 653 |
| Transportation, Distribution & Logistics | 566 |
| Marketing | 557 |
| Arts, A/V Technology & Communications | 241 |

Recommendations

Data Collection

- Provide schools with uniform program definitions to allow for streamlined program enrollment data
- Strengthen data collection related to:
 - Choice applications
 - School admissions
 - School waitlists
 - Program availability
 - Program enrollment

Recommendations

Access to Specialized Educational Opportunities

- Further analyze differences in choice participation among subgroups of students
- Review practices and procedures of districts with the greatest choice participation differences
- Further analyze program offerings with workforce projections
- Maintain interactive map of specialized educational options

Review Interactive Map



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