



Statewide Review of Educational Opportunities

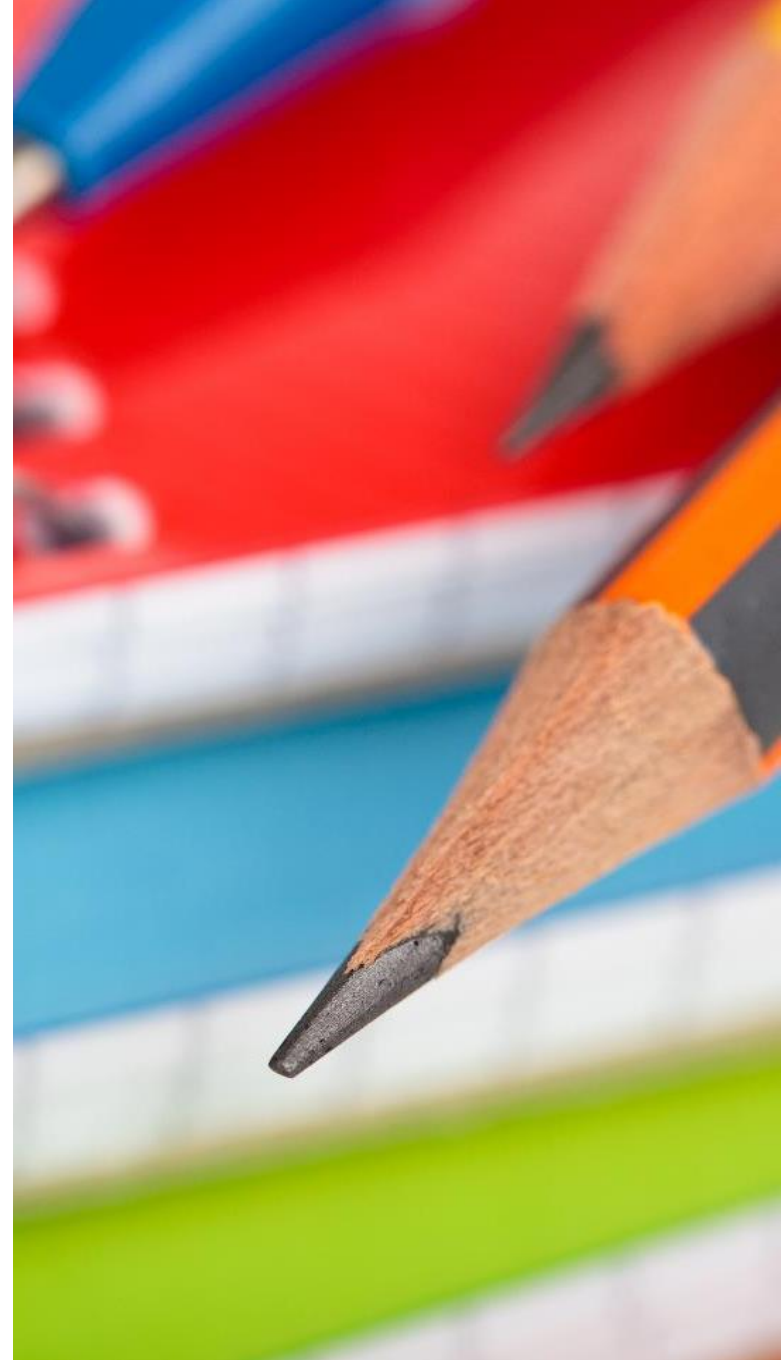
Delaware State Board of Education
and

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

- Anna d'Entremont, Project Manager
- Christine Donis-Keller, Subject Matter Expert
- Allie Panetta, Analyst
- Annelise Eaton, Analyst

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

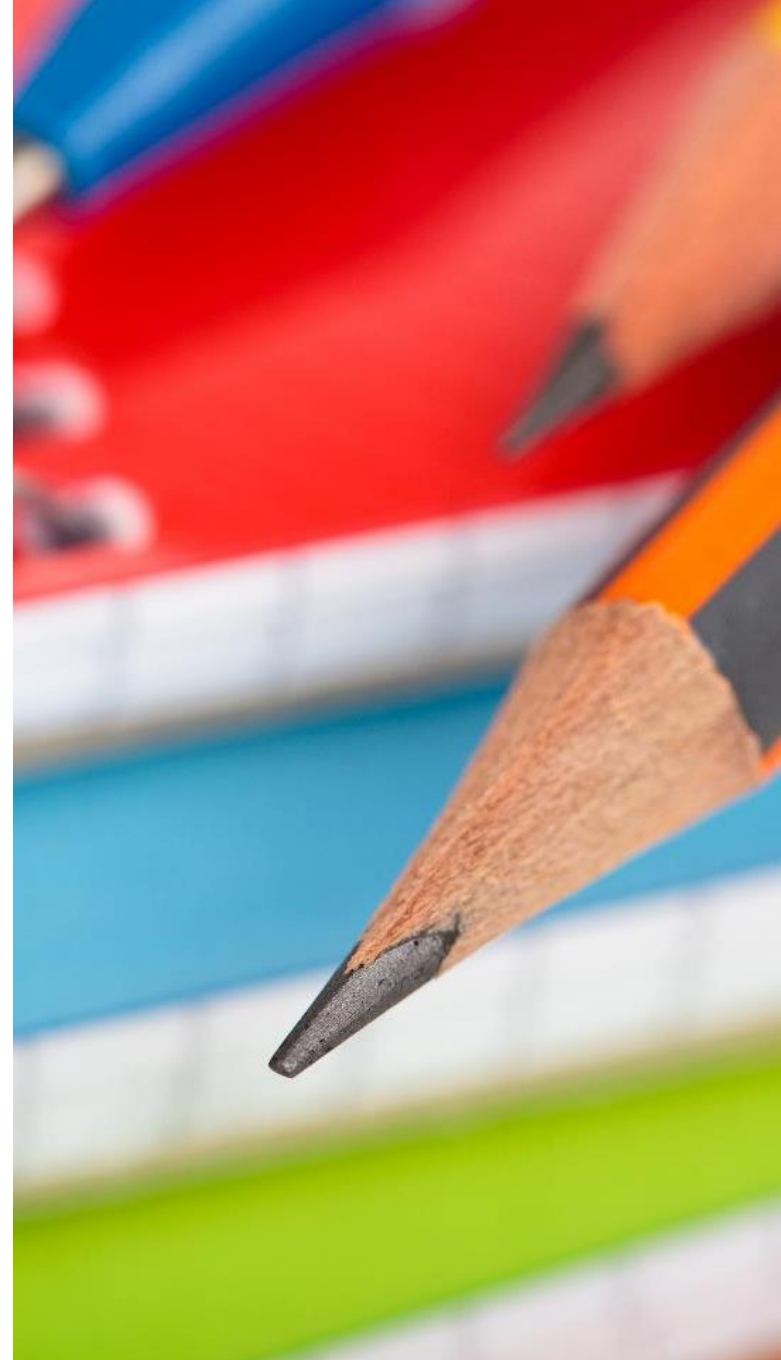
- **Data Collected:**
 - Programs offered by school
 - Current program enrollment
 - CTE pathways offered by school
- **Requested but not Universally Available:**
 - Number of choice applications
 - Choice applicant demographics
 - Historical program enrollment
 - Number on program waitlist
 - Number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

Specialized Educational Program Availability

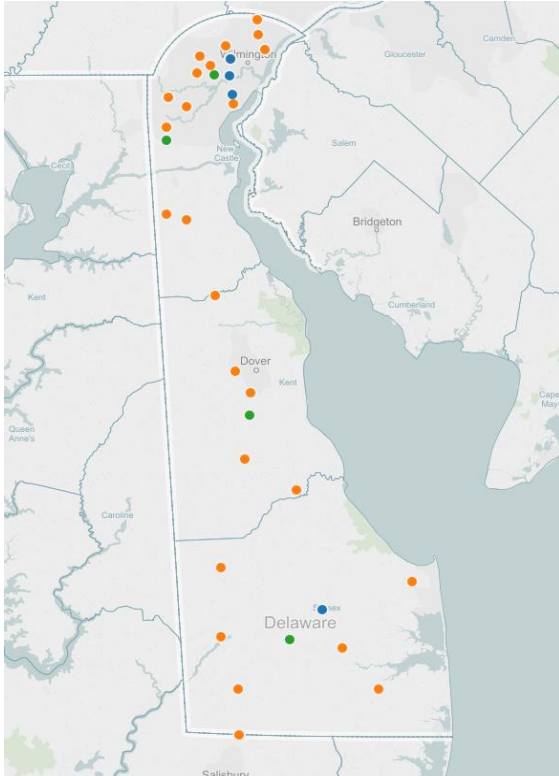
Summary and Description of Select Programs

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

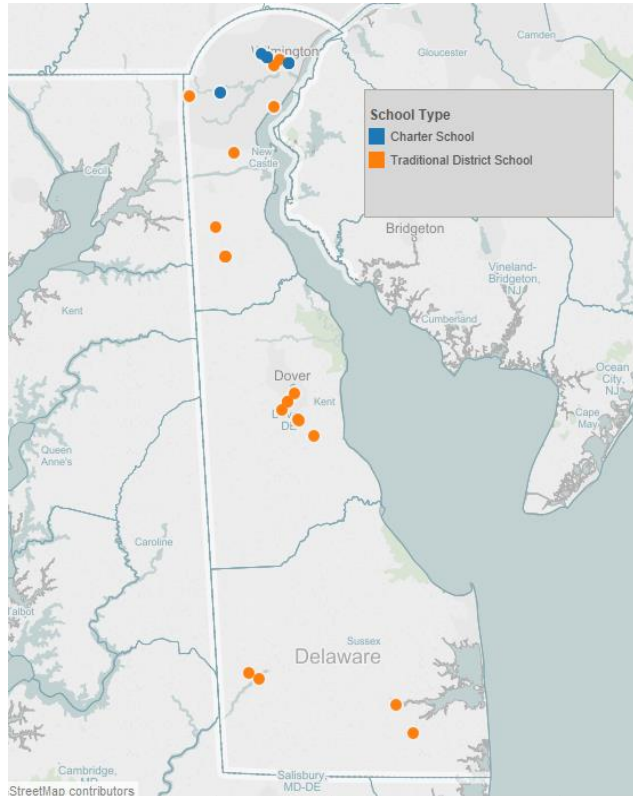


Advanced Placement



- 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

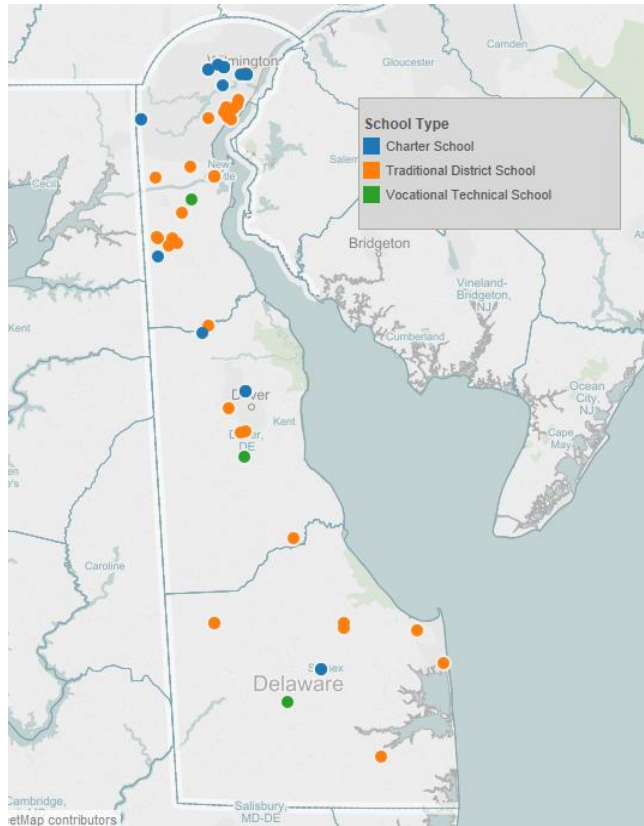
World Language



Dual Language Immersion Schools

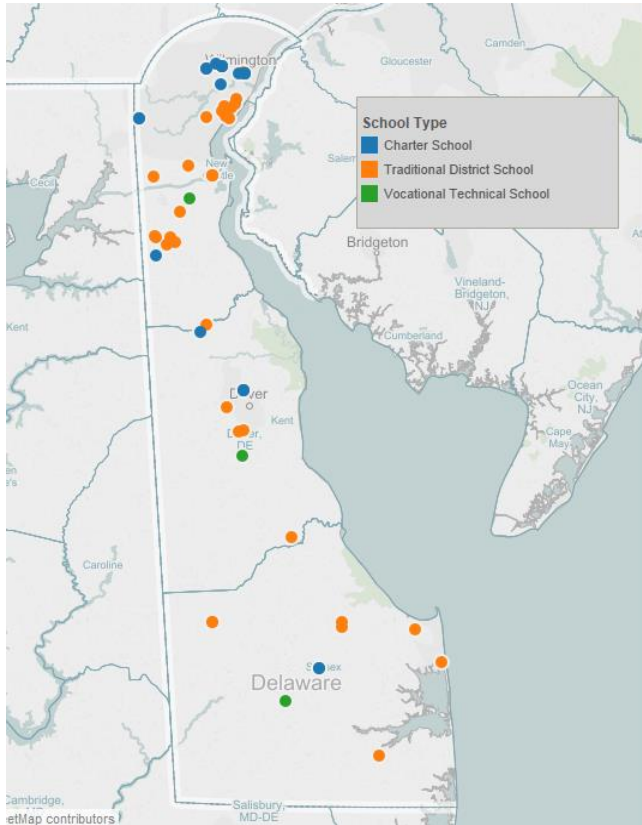
- World Language Courses:
 - Available in all schools serving grades 9-12
 - 9 unique languages offered
 - Most commonly offered: Spanish
- Dual Language Immersion:
 - 21 elementary schools (18 traditional and 3 charter)
 - Offered in every county
 - 16 Spanish immersion, 5 Mandarin immersion, 1 Greek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



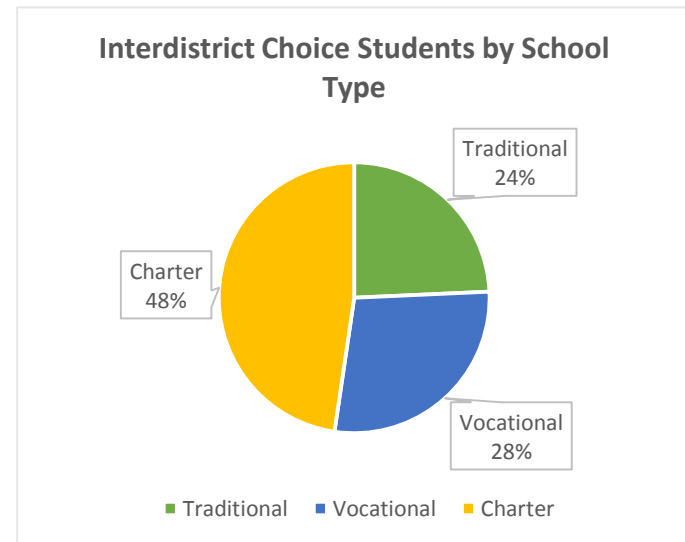
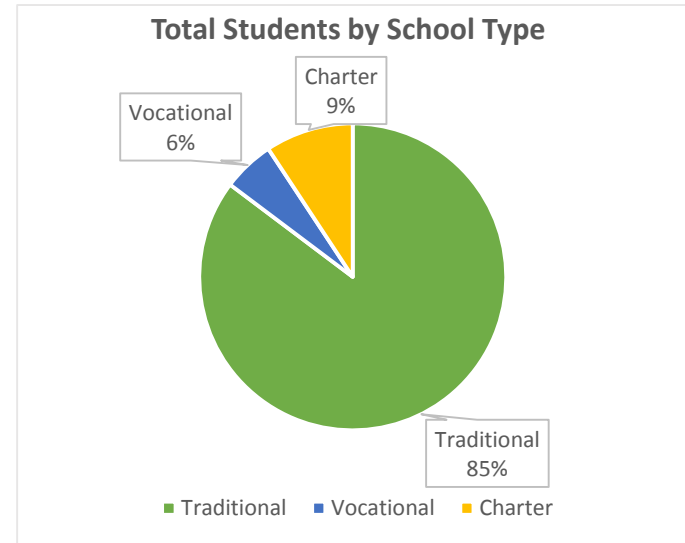
- Offered in all school types
- Similar distribution across all three counties
- Most districts offer the program in one high school
- Offered in:
 - 20 high schools
 - 2 middle/high schools
 - 2 middle schools

Student Choice Patterns

Traditional, Charter, and Vocational Technical Schools

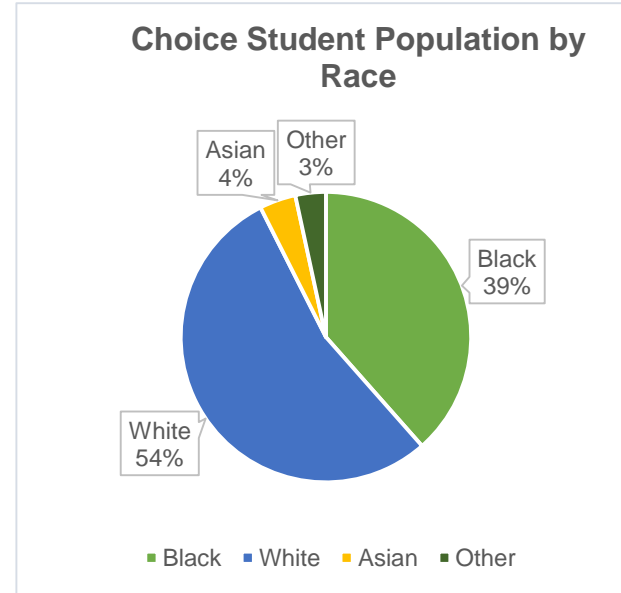
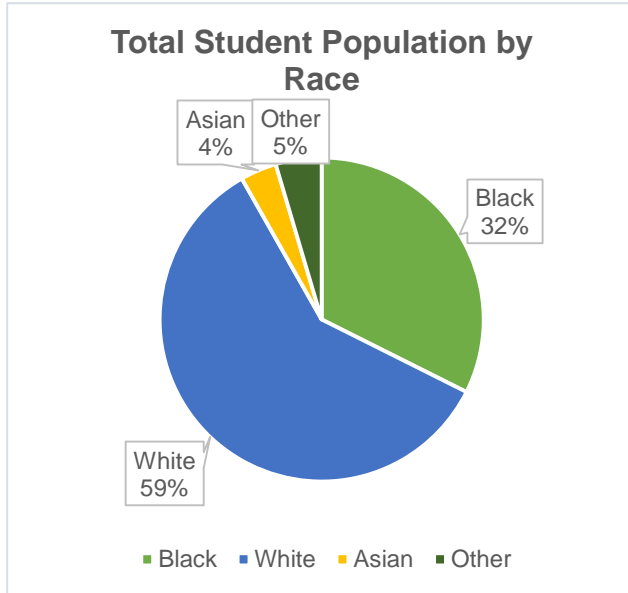
Choice Participation

- 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



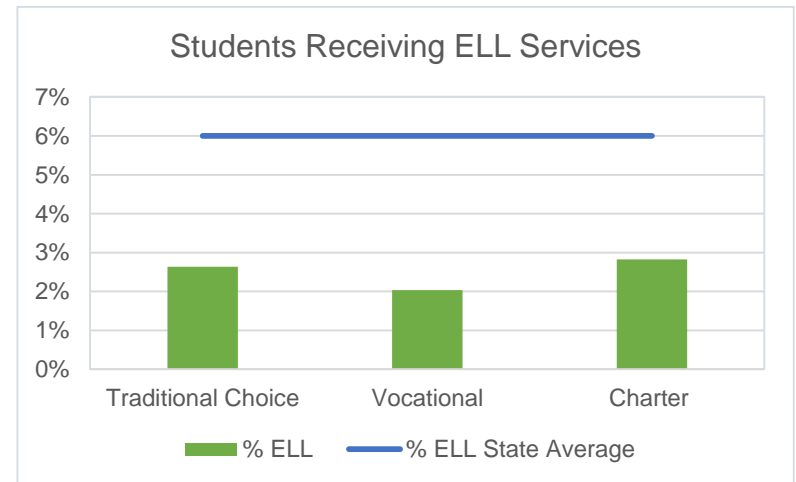
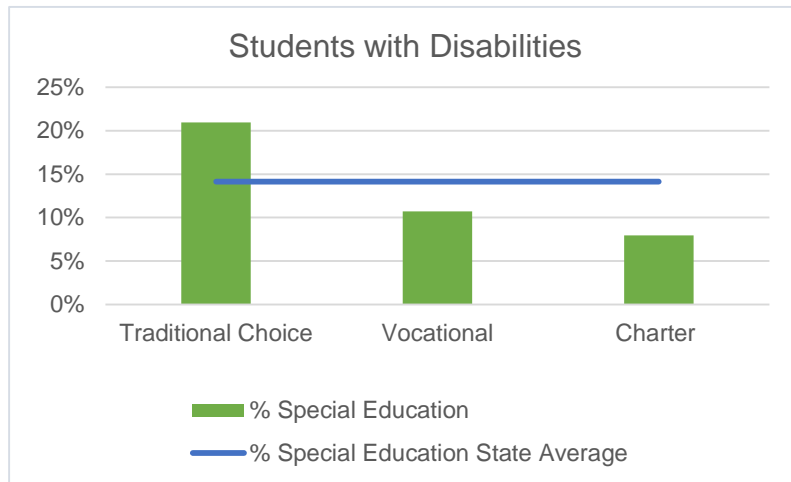
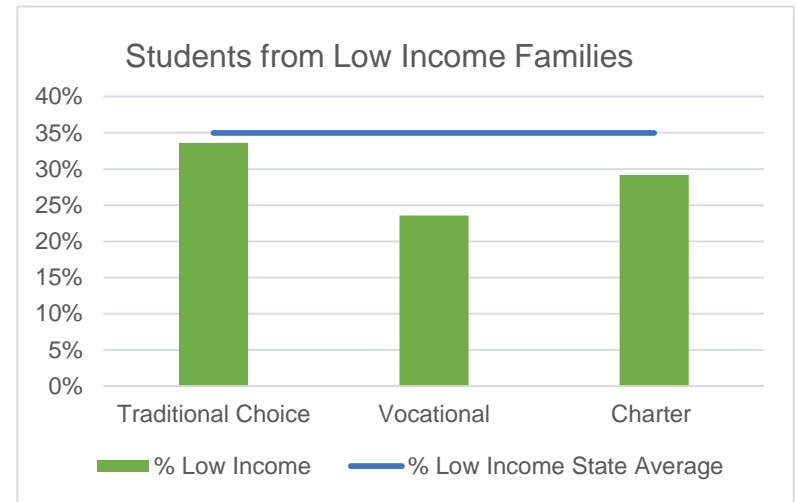
Interdistrict Choice Participation by Race

- 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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