NCCCS Data Dashboards:

Using System-Wide Data to Inform Local Decisions

Performance Management Academy
OSBM
November 9, 2021

Dr. Ashley Sieman
Director of Analytics and Reporting
Research and Performance Management
North Carolina Community College System Office

Research and Performance Management

About Us

The primary mission of the Research and Performance Management (RPM) team is to inform sound policy and decision making by collecting, analyzing, and reporting data for the fifty-eight institutions of the North Carolina Community College System (NCCCS).

The team also supports data collection and reporting associated with the system's strategic initiatives, data sharing between state agencies, and national initiatives focused on improving student success.

Research and Performance Management

Before 2018

- Produced .pdf reports associated with Performance Measures, Title II, Perkins, and Minority Male Initiative
- Produced Performance Measures dashboards with SAS Visual Analytics

2018

- Responsibility for official system data reporting shifted to team
- Focused on strengthening methodology for standard reports (Enrollment, FTE, Graduation, Tuition Remission) and state and federal reporting

2019

- Hired a Business Intelligence Analyst to focus solely on dashboards
- Released first public facing dashboards not associated with Performance Measures

2020 - 2021

- Approximately 1000 dashboards across 50 plus focus areas on the NCCCS website
- Launched Power BI to provide college access to record-level data behind a login

NCCCS Dashboards
Making Data Practical and Engaging

- Publicly Available
- Ease-of-Use
- Consistent Methodology
- Interactive
- Variety of Views:
  - Point-in-Time
  - Longitudinal
  - Institutional
  - Comparisons to NCCCS, peers
  - Equity gaps
- Timely Data Updates (in-progress terms)
- Export Functionality (PDF, PPT, Data)

NCCCS Dashboards
Common Disaggregations

- Sex
- Race/Ethnicity
- Sex and Race/Ethnicity
- Age Group
- Sex and Age Group
- Full-Time/Part-Time
- Dual Enrollment
- Pell
- Remediation
- Employment Status
- Zip Code
- County
- County Tier
- Prosperity Zone
- Program
- Instructional Method

Dashboards

Select a theme from the menu below to view a list of dashboards related to that theme. Click a title to access the interactive dashboard. Dashboards will open in same browser window. Return to this page by clicking the Home icon in the top right of each dashboard or by using the breadcrumbs at the top left of each page.

- Access
- Student, Program, and Course Enrollment
- FTE
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills/College and Career Readiness (CCR)
- High School Dual Enrollment
- CTE Perkins V
- Faculty and Staff

Dashboard Resources

Dashboard Help

200 West Jones Street
Raleigh, North Carolina 27603
919-807-7100 | View Mailing Address | Contact Us

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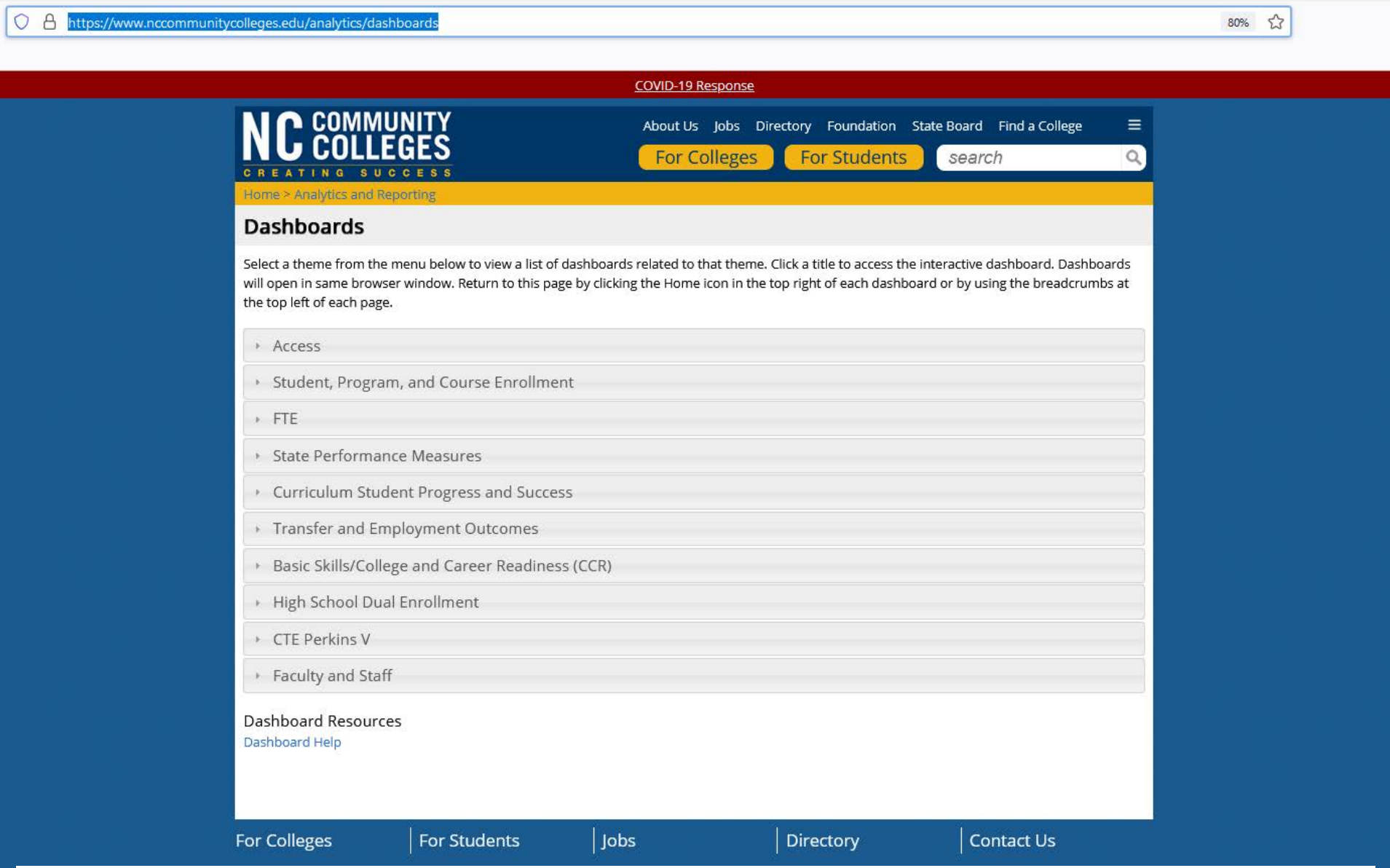

https://www.nccommunitycolleges.edu/analytics/dashboards

NCCCS Dashboards

Themes

Dashboards

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NCCCS Dashboards

Access

- Access
  - High School Dual Enrollment Rate
  - High School Equivalency Subsequent Postsecondary Enrollment
  - Postsecondary Enrollment by LEA
  - Postsecondary Enrollment by High School
- Student, Program, and Course Enrollment
- FTE
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills
- High School Dual Enrollment
- CTE Perkins V Performance Measures
- Faculty and Staff

NCCCS Dashboards

Student, Program, and Course Enrollment

- Access
- Student, Program, and Course Enrollment
  - Total Headcount
  - Curriculum Headcount
  - Continuing Education Headcount
  - Basic Skills Headcount
  - Curriculum Course Enrollments
- FTE
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills
- High School Dual Enrollment
- CTE Perkins V Performance Measures
- Faculty and Staff

NCCCS Dashboards

FTE

- Access
- Student, Program, and Course Enrollment
- FTE
  - Actual and Budget FTE
  - Total Instructional Activity
  - Curriculum Instructional Activity
  - Continuing Education & Basic Skills Instructional Activity
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills
- High School Dual Enrollment
- CTE Perkins V Performance Measures
- Faculty and Staff

NCCCS Dashboards

State Performance Measures

- FTE
- State Performance Measures

State Performance Measures (PM)

Basic Skills Measurable Skill Gain Rate (PM1) - Provider Outcomes

Basic Skills Measurable Skill Gain Rate (PM1) - Peer Comparisons

Success Rate in College-Level English (PM2) - Institutional Outcomes

Success Rate in College-Level English (PM2) - Peer Comparisons

Success Rate in College-Level Math (PM3) - Institutional Outcomes

Success Rate in College-Level Math (PM3) - Peer Comparisons

First-Year Progression/Persistence (PM4) - Institutional Outcomes

First-Year Progression/Persistence (PM4) - Peer Comparisons

Curriculum Completion (PM5) - Institutional Outcomes

Curriculum Completion (PM5) - Peer Comparisons

Licensure and Certification (PM6) - Institutional Outcomes & Peer Comparisons

College Transfer Performance (PM7) - Institutional Outcomes

College Transfer Performance (PM7) - Peer Comparisons

NCCCS Dashboards

Curriculum Student Progress and Success

- FTE
- State Performance Measures
- Curriculum Student Progress and Success
  - Curriculum Grade Distributions
  - Curriculum Course Outcomes by Course Characteristics
  - Curriculum Course Outcomes by Student Demographics
  - Success Rate in College-Level English (PM2) - Institutional Outcomes
  - Success Rate in College-Level English (PM2) - Peer Comparisons
  - Success Rate in College-Level Math (PM3) - Institutional Outcomes
  - Success Rate in College-Level Math (PM3) - Peer Comparisons
  - First-Year Progression/Persistence (PM4) - Institutional Outcomes
  - First-Year Progression/Persistence (PM4) - Peer Comparisons
  - Curriculum Completion (PM5) - Institutional Outcomes
  - Curriculum Completion (PM5) - Peer Comparisons
  - Curriculum Credentials Awarded

NCCCS Dashboards

Transfer and Employment Outcomes

- Access
- Student, Program, and Course Enrollment
- FTE
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
  - College Transfer Performance (PM7) - Institutional Outcomes
  - College Transfer Performance (PM7) - Peer Comparisons
  - CTE Perkins V Performance Indicator 1P1: Post Program Placement – Institutional Outcomes
  - Basic Skills Follow-Up Outcomes
- Basic Skills
- High School Dual Enrollment
- CTE Perkins V Performance Measures
- Faculty and Staff

NCCCS Dashboards

Basic Skills

- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills
  - Basic Skills Headcount
  - Basic Skills Retention
  - Basic Skills Program Participation
  - Basic Skills Pre and Posttest Practices
  - Basic Skills Measurable Skill Gain Rate (PM1) - Provider Outcomes
  - Basic Skills Measurable Skill Gain Rate (PM1) - Peer Comparisons
  - Basic Skills Follow-Up Outcomes
  - High School Equivalency Subsequent Postsecondary Enrollment
- High School Dual Enrollment
- CTE Perkins V Performance Measures
- Faculty and Staff

NCCCS Dashboards

High School Dual Enrollment

- Basic Skills
- High School Dual Enrollment
  - High School Dual Enrollment Rate
  - Dual Enrollment Summary
  - Dual Enrollment Programs
  - Dual Enrollment Curriculum Course Outcomes
  - Dual Enrollment Cohort Outcomes Summary
  - Dual Enrollment Transfer Pathway Cohort Institutional Outcomes
  - Dual Enrollment Transfer Pathway Cohort Outcomes Peer Comparisons
  - Dual Enrollment CTE Pathway Cohort Institutional Outcomes
  - Dual Enrollment CTE Pathway Cohort Outcomes Peer Comparisons
  - Dual Enrollment CIHS Cohort Institutional Outcomes
  - Dual Enrollment CIHS Cohort Outcomes Peer Comparisons
- CTE Perkins V Performance Measures
- Faculty and Staff

NCCCS Dashboards

CTE Perkins V Performance Measures

- Access
- Student, Program, and Course Enrollment
- FTE
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills
- High School Dual Enrollment
- CTE Perkins V Performance Measures
  - CTE Perkins V Summary
  - CTE Perkins V Performance Indicator 1P1: Post Program Placement – Institutional Outcomes
  - CTE Perkins V Performance Indicator 2P1: Earned Recognized Postsecondary Credential – Institutional Outcomes
  - CTE Perkins V Performance Indicator 3P1: Nontraditional Program Concentration – Institutional Outcomes
  - CTE Perkins V Performance Indicators – Peer Comparisons
- Faculty and Staff

NCCCS Dashboards

Faculty and Staff

- Access
- Student, Program, and Course Enrollment
- FTE
- State Performance Measures
- Curriculum Student Progress and Success
- Transfer and Employment Outcomes
- Basic Skills
- High School Dual Enrollment
- CTE Perkins V Performance Measures
- Faculty and Staff

  - Employee Headcount
  - Faculty Salary Comparison (IPEDS)

NCCCS Dashboards

Dashboard Previews

Dashboard Release: Curriculum Program Enrollment

Ashley Sieman
To [redacted]

Reply | Reply All | Forward

Wed 11/3/2021 5:13

Dashboard Release Curriculum Program Enrollment.ics
20 KB

72% of recipients have opened this mail.
See more insights Feedback

Good afternoon,

On **Wednesday, November 17, 2021 at 2:00pm** we will be publishing a new dashboard to our website. This dashboard provides information about curriculum enrollment by academic program.

The dashboard preview link is below:

Curriculum Program Enrollment

- Unduplicated headcount for all program parents within a college, including disaggregation by new/returning status
- Comparison of student headcount for selected program parents across all NC community colleges or for selected colleges
- Institutional analysis of headcount enrollment in selected program parents, including disaggregations by student demographics, student characteristics, academic characteristics, and student geographical location
- Headcount enrollment in selected program parents by college of all students residing in a selected NC county or NC ZIP code
- Percent change in enrollment in selected program parents by service area and ZIP code

Next Webinar
On **Wednesday, November 17, 2021 at 2:00pm** we will host a 60-minute webinar to demonstrate how to use this new dashboard.

Dashboard Release: Curriculum Program Enrollment
Microsoft Teams meeting
[redacted]

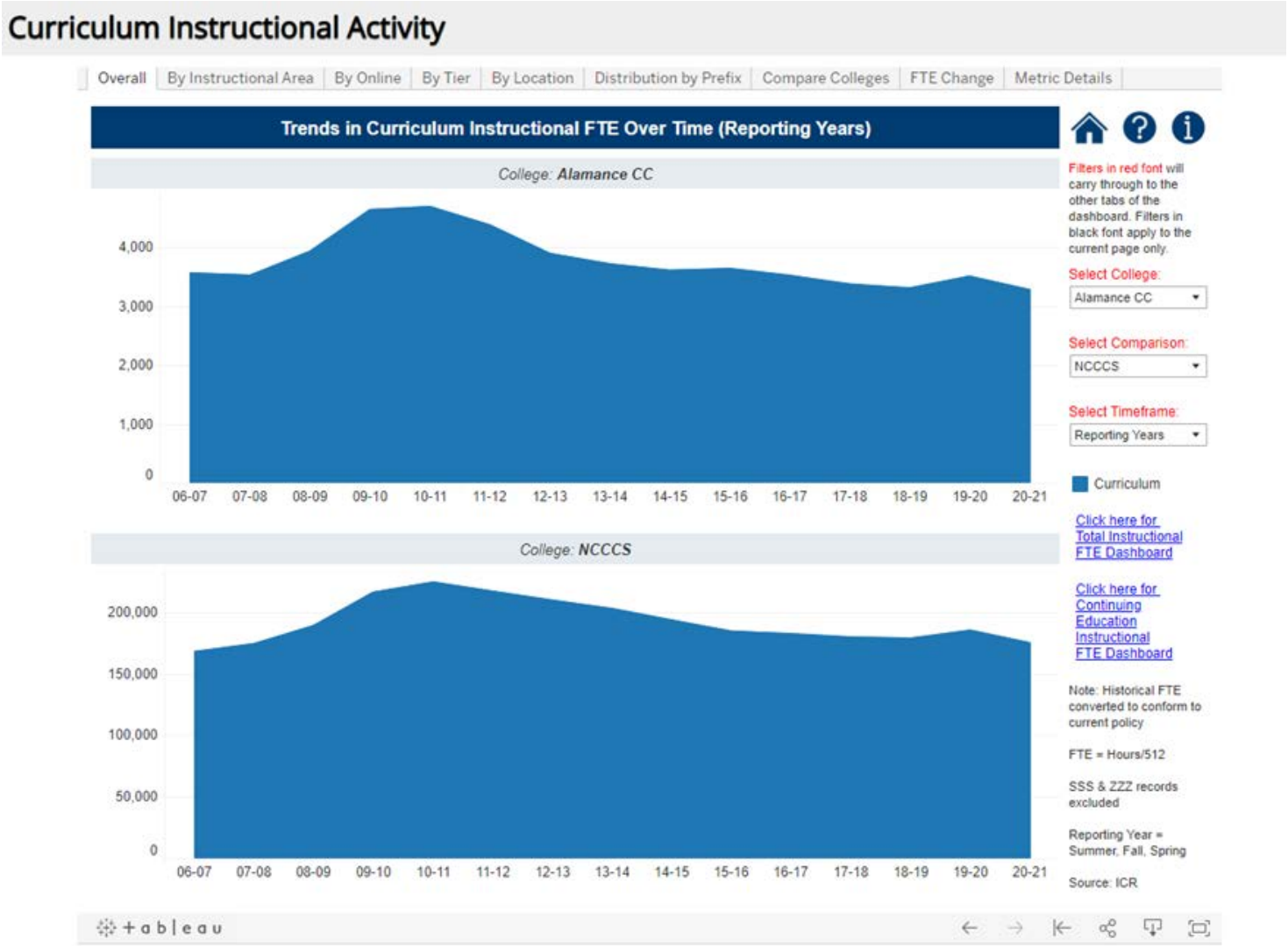
Additionally, we have recently updated our dual enrollment cohort dashboards with 2020-2021 data, and we have updated our enrollment and course-related dashboards with Summer 2021 data. Please see the full list of recently updated dashboards below.

Updated with 2020-2021 data:

- Dual Enrollment Cohort Outcomes Summary
- Dual Enrollment Transfer Pathway Cohort Dashboards
  - Institutional Outcomes
  - Peer Comparisons
- Dual Enrollment CTE Pathway Cohort Dashboards
  - Institutional Outcomes
  - Peer Comparisons
- Dual Enrollment CIHS Cohort Dashboards
  - Institutional Outcomes
  - Peer Comparisons

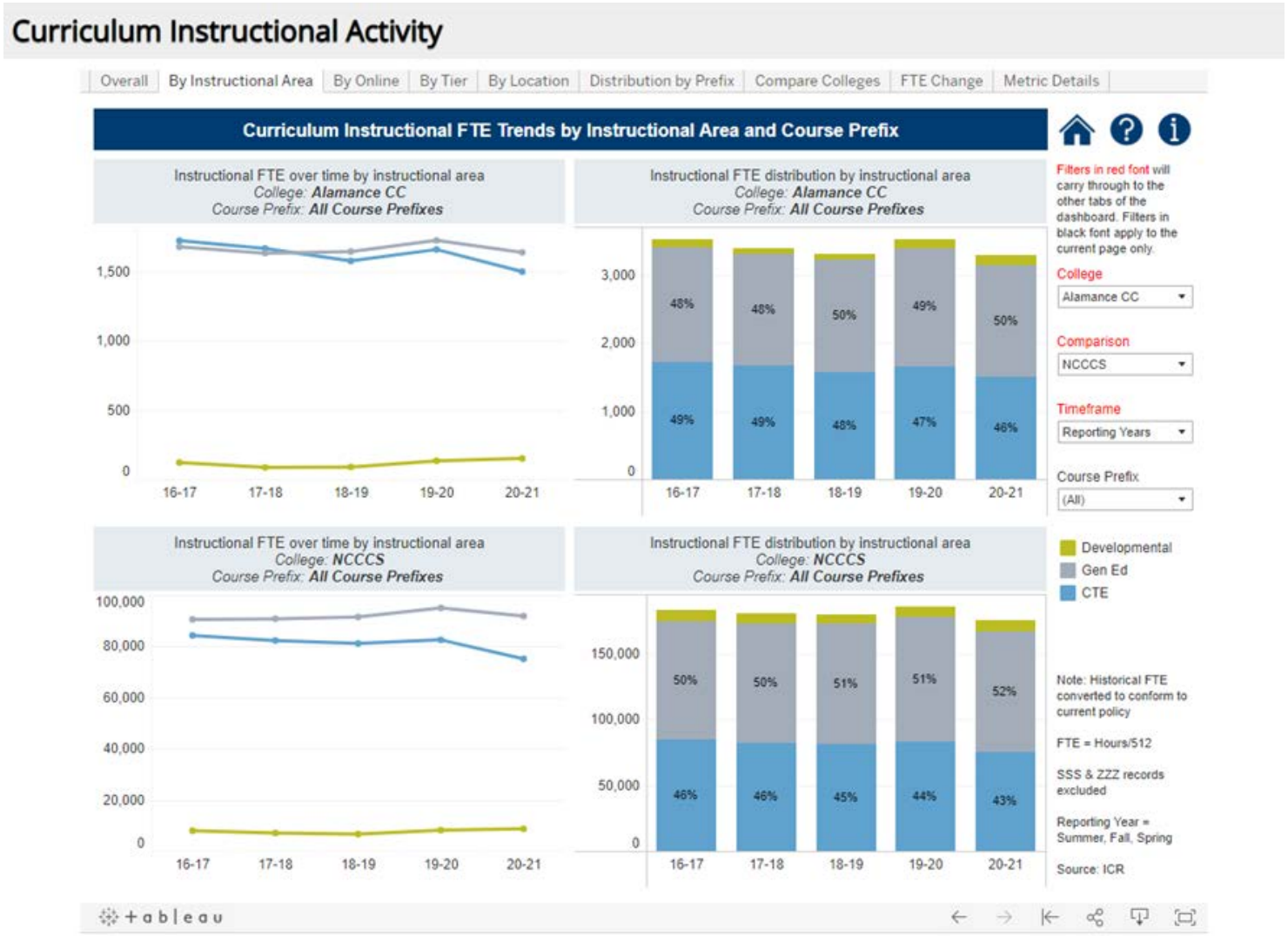
NCCCS Dashboards

Comparison Views



NCCCS Dashboards

Common Disaggregations



NCCCS Dashboards

Change Over Time

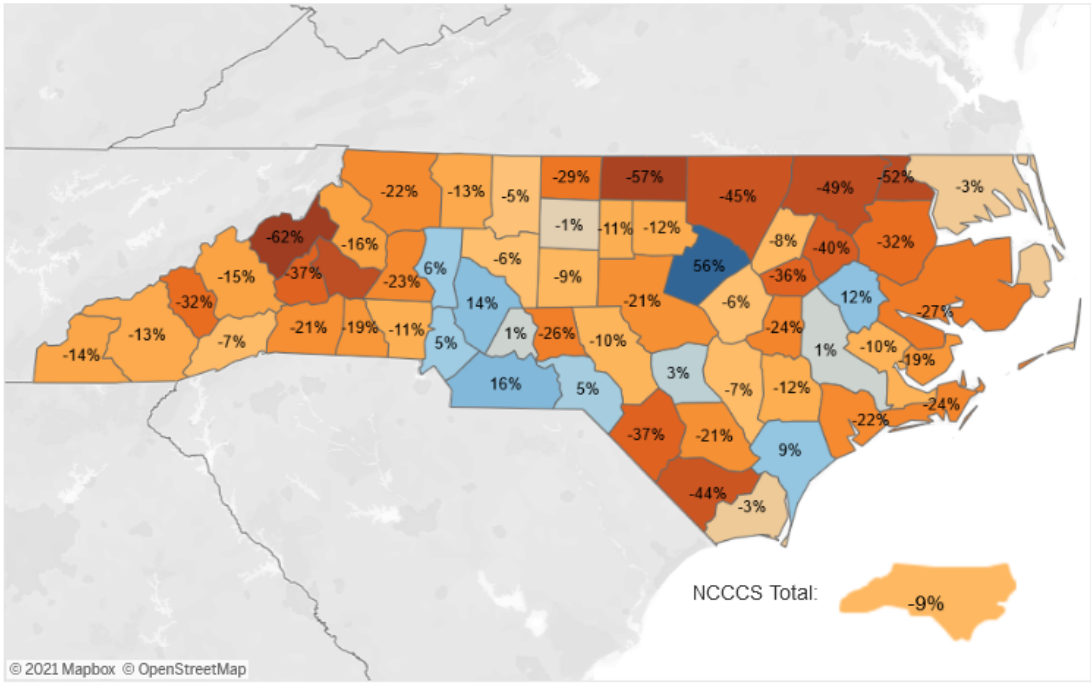
Total Instructional Activity

Overall | By Acad. Level | By Online | By Tier | By Location | Distribution by Prefix | Compare Colleges | FTE Change | Metric Details

Overall | Curriculum | Workforce | Basic Skills | Prefix

Change in Overall Instructional FTE

*Time Period (Reporting Years): **06-07 to 20-21***



The filters below apply to the current page only.

Select Timeframe: Reporting Years

First Time Period: 06-07 (Su06, Fa...

Second Time Period: 20-21 (Su20, Fa...

Data to Display: Percent Change

-62% 56%

Note: Historical FTE converted to conform to current policy

FTE = Hours/512

SSS & ZZZ records excluded

Reporting Year = Summer, Fall, Spring

+ableau

NCCCS Dashboards

Cohorts Over Time

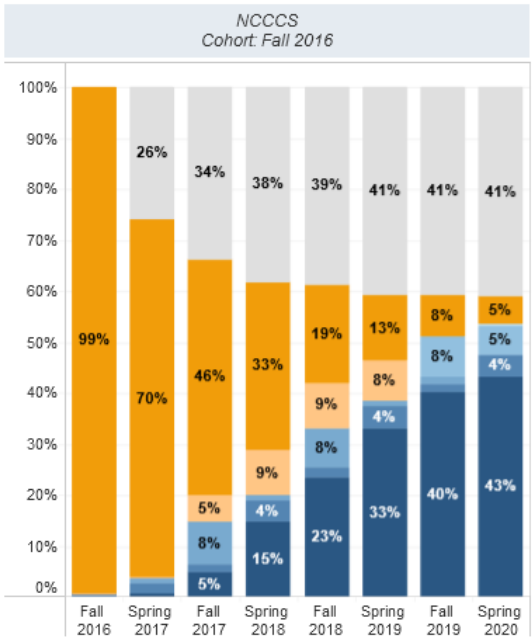
Curriculum Completion (PM5) - Institutional Outcomes

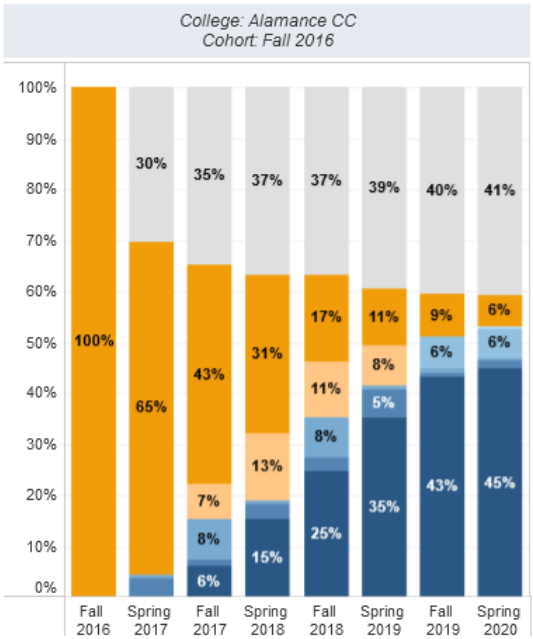
Overview | Demographics | Characteristics | Program | Dual Enrollment | Term Outcomes | Metric Details

Curriculum Completion - Term-by-Term Outcomes

This view enables the user to follow the progression of a selected cohort through the cohort's applicable terms. The blue portions of the bar indicate successful outcomes, the gray portion of the bar indicates non-success, and the orange portions of the bar indicate neutral outcomes (i.e., not yet success and not yet non-success). Summer terms are not displayed on these graphs; however, success rates are inclusive of summer terms in addition to fall and spring terms. Concurrent graduation and transfer outcomes are included in the "CC Grad" category.

Not Enrolled
Retained-Less than 42 Hrs
Retained with 42+ Hrs
Retained-4th Year Exiter with 42+ Hrs
Retained-4th Year with 42+ Hrs
University Transfer
CC Grad
Previous Term Success





Filters in red font will carry through to the other tabs of the dashboard. Filters in black font apply to the current page only.

Select College: Alamance CC

Cohort Fall Term: Fall 2016

Show Graph By: Result Type

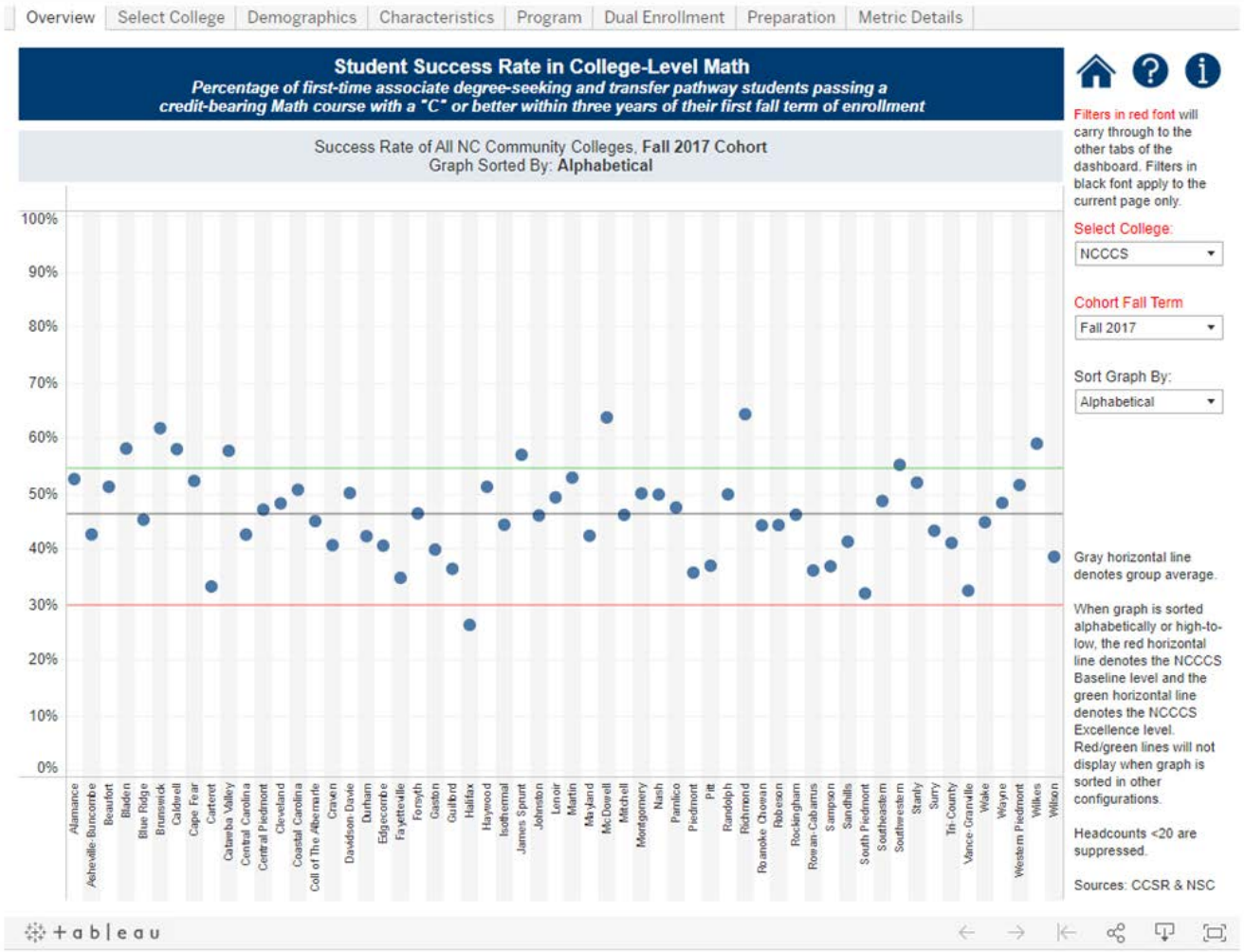
Sources: CCSR, Grad Extract, & NSC

tableau

NCCCS Dashboards

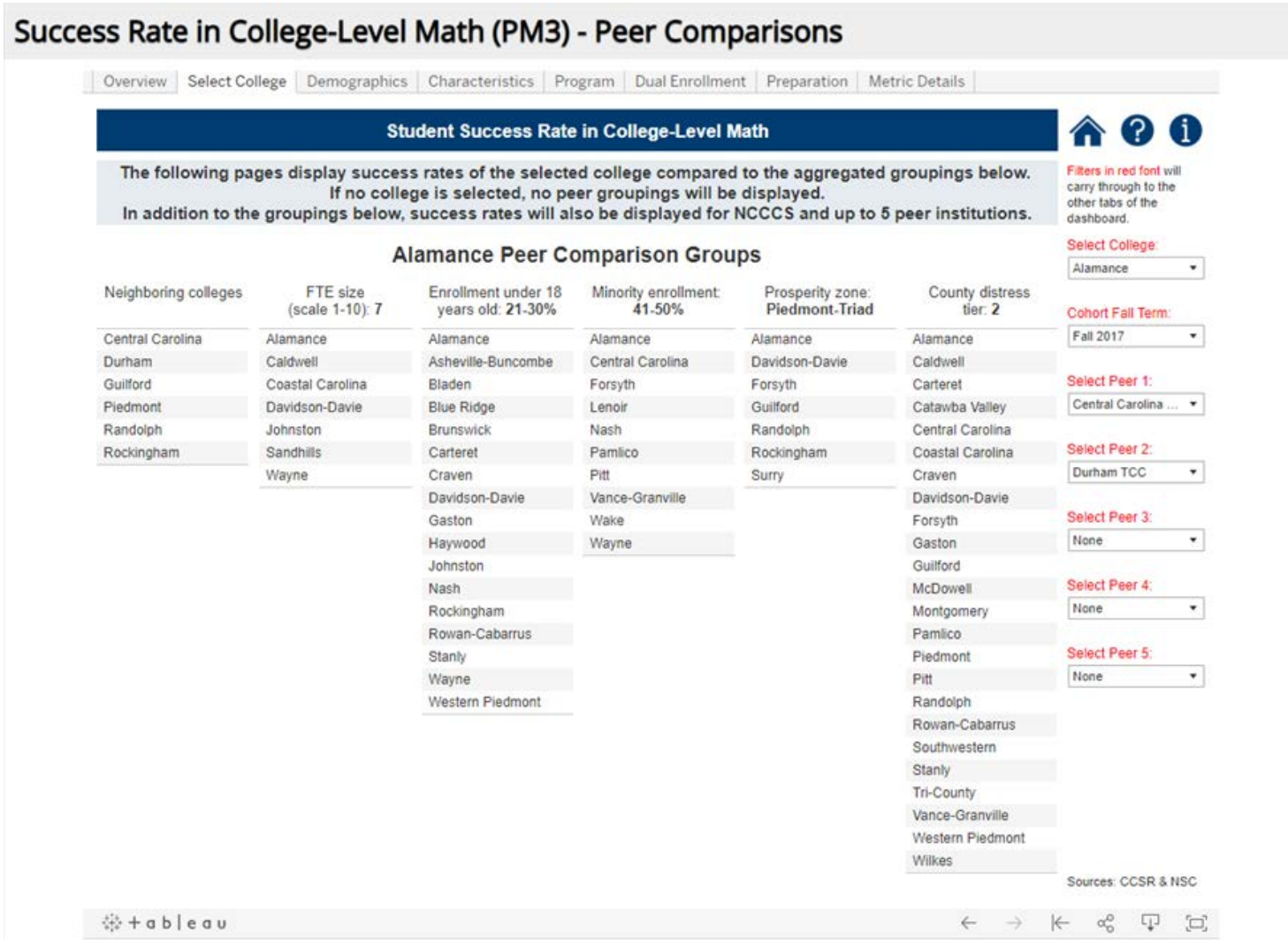
Peer Analysis

Success Rate in College-Level Math (PM3) - Peer Comparisons



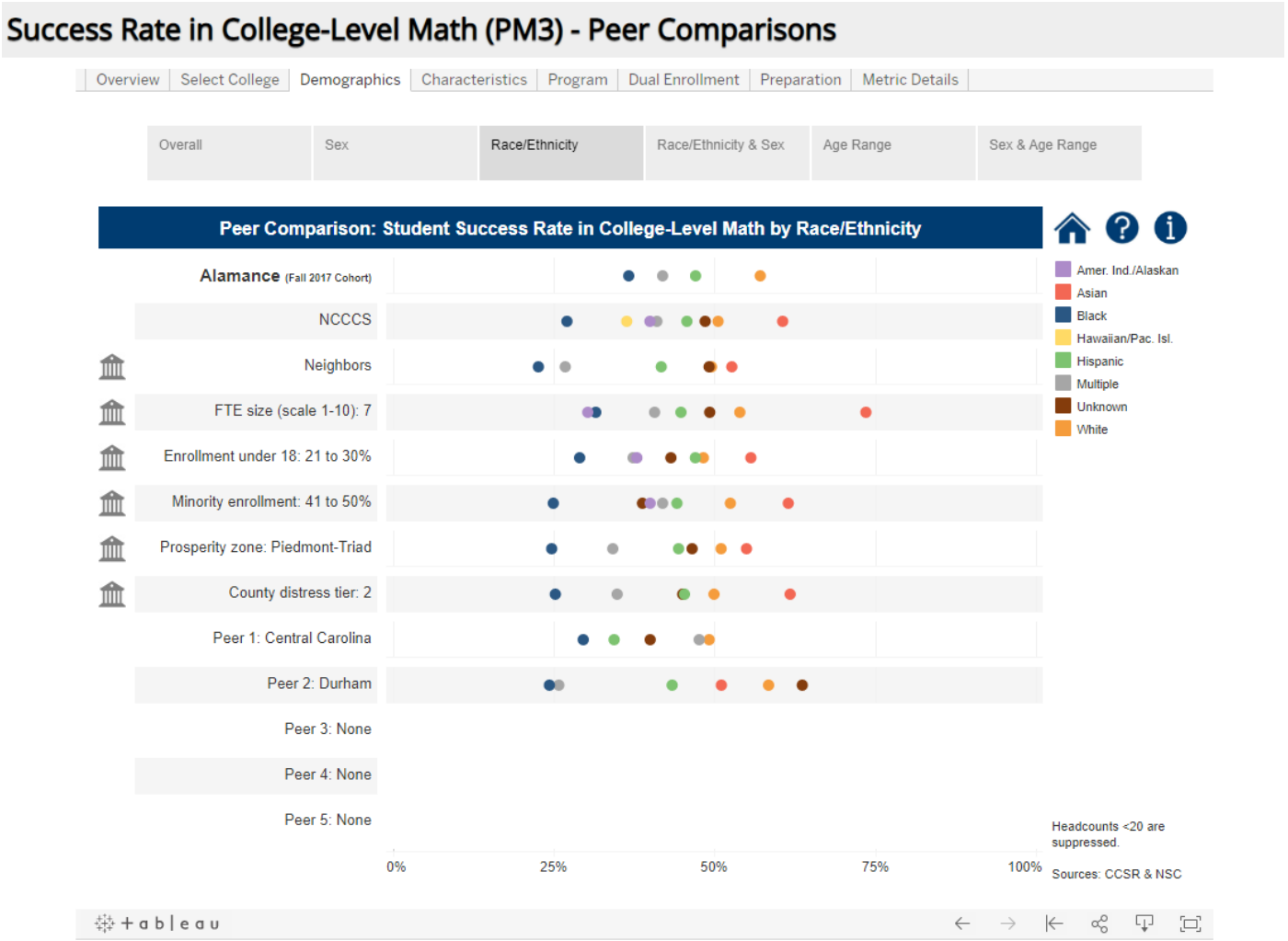
NCCCS Dashboards

Peer Groupings



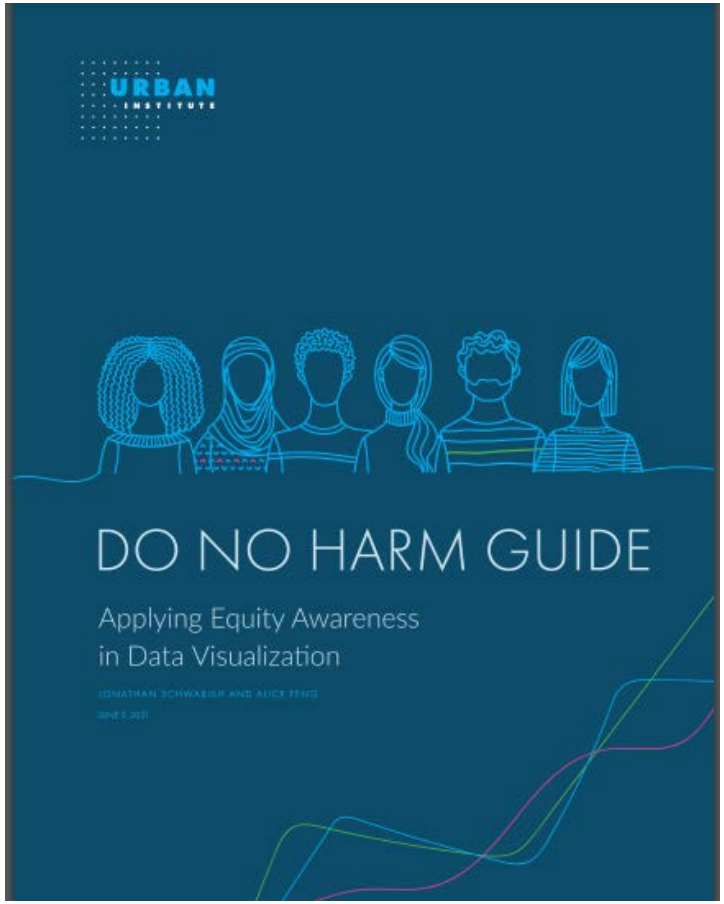
NCCCS Dashboards

Equity Gaps



NCCCS Dashboards

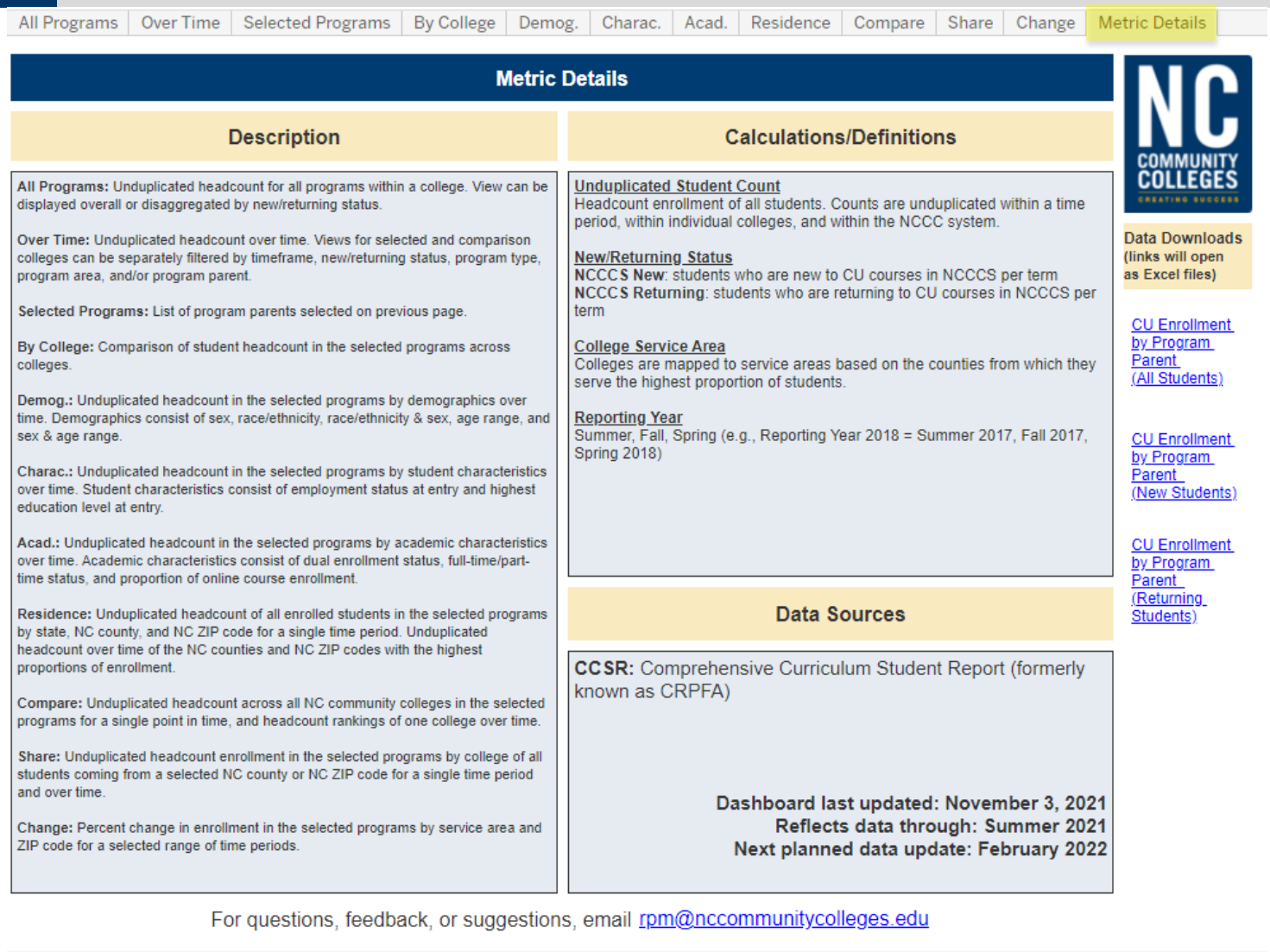
Do No Harm



https://www.tableau.com/foundation/data-equity/do-no-harm

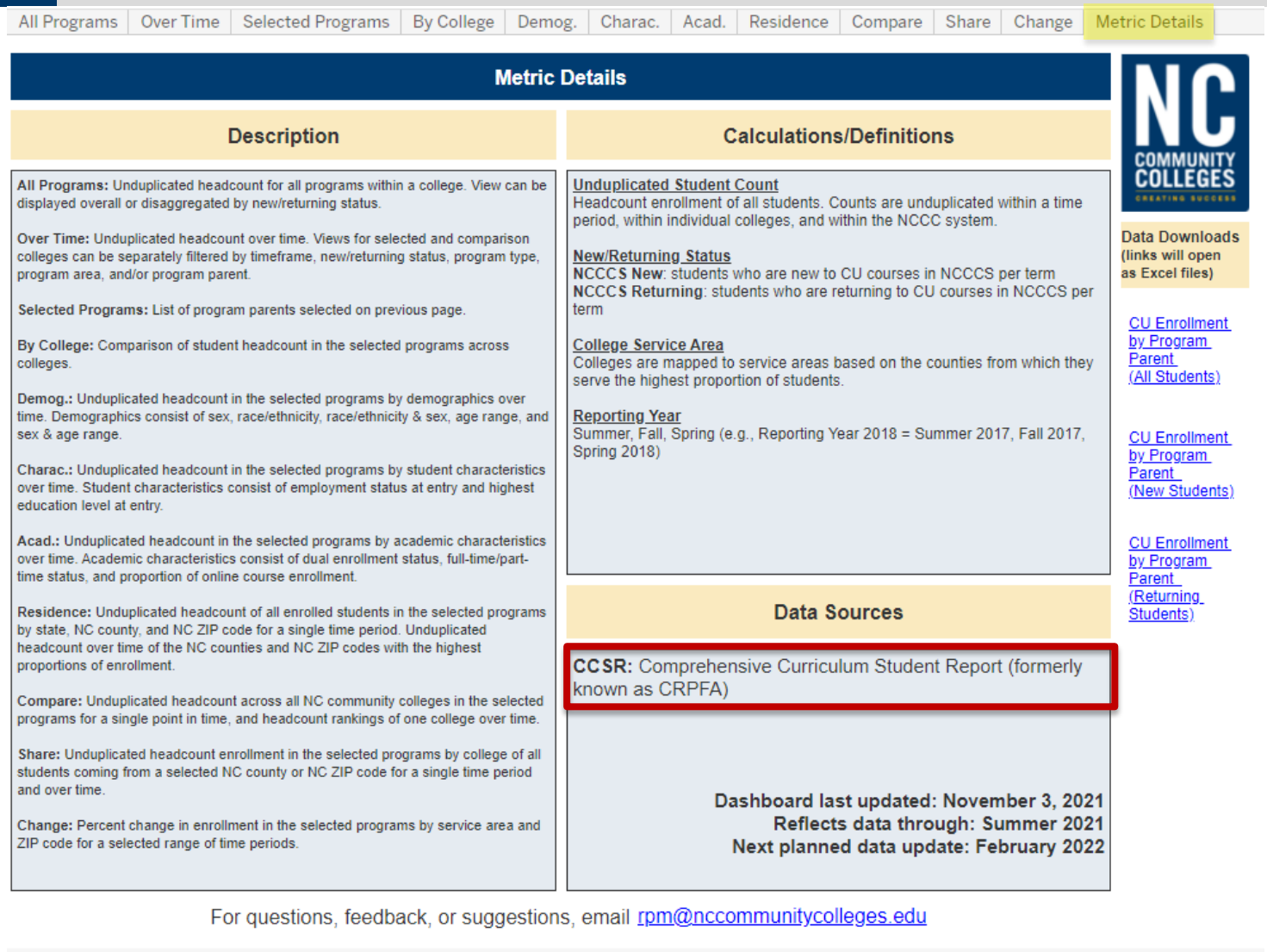
NCCCS Dashboards

Metric Details



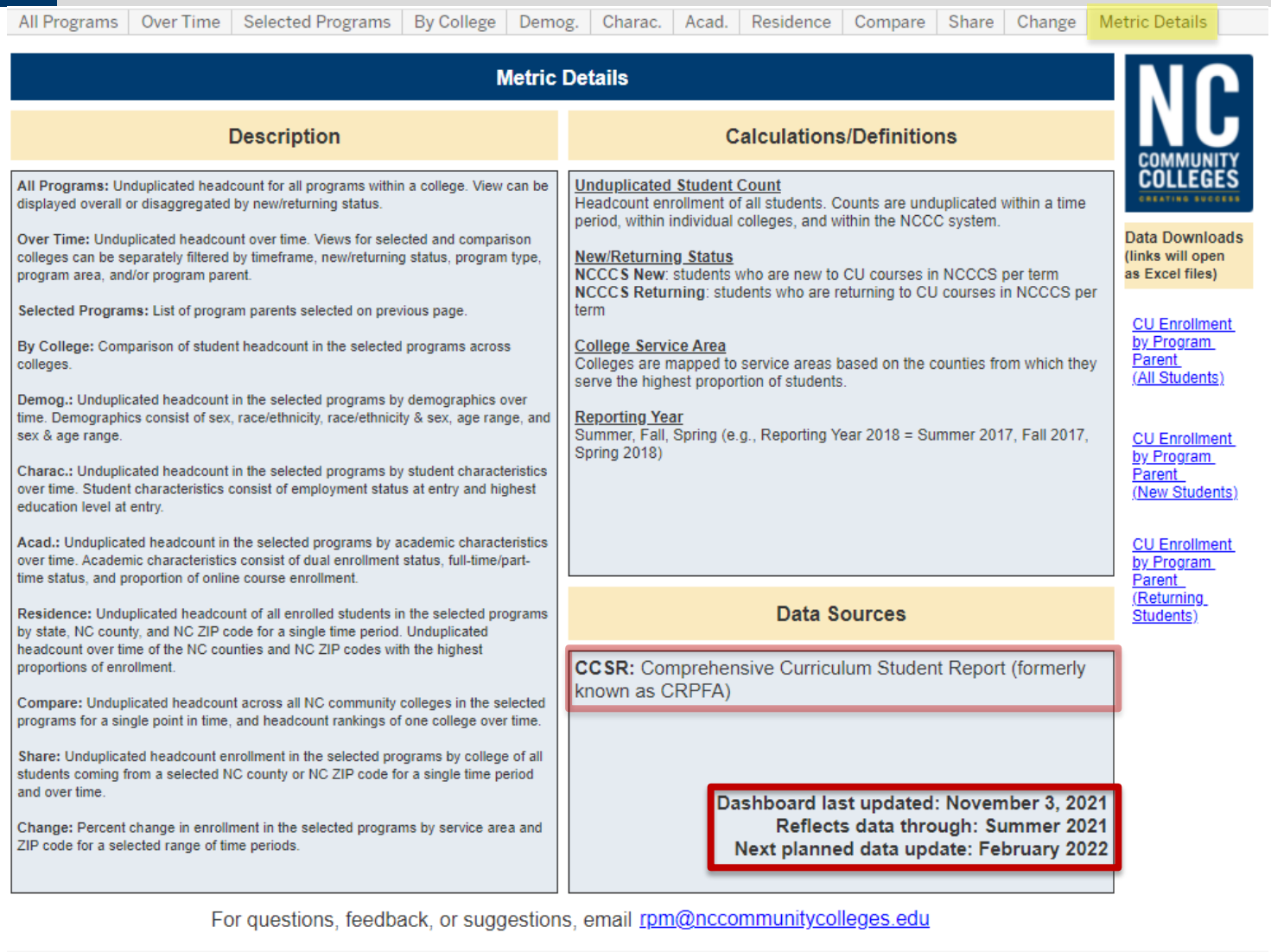
NCCCS Dashboards

Tips and Tricks – Data Sources



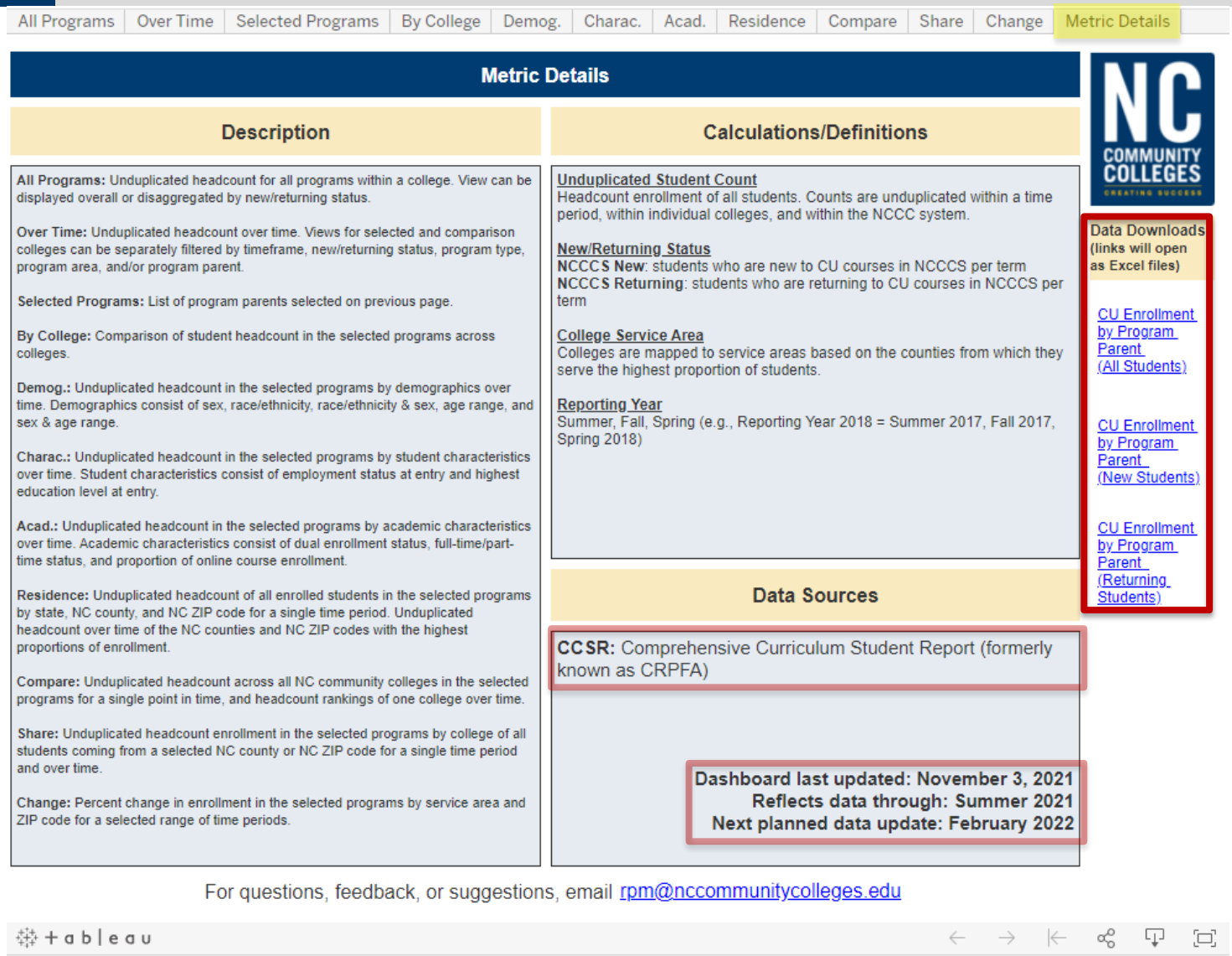
NCCCS Dashboards

Data Recency



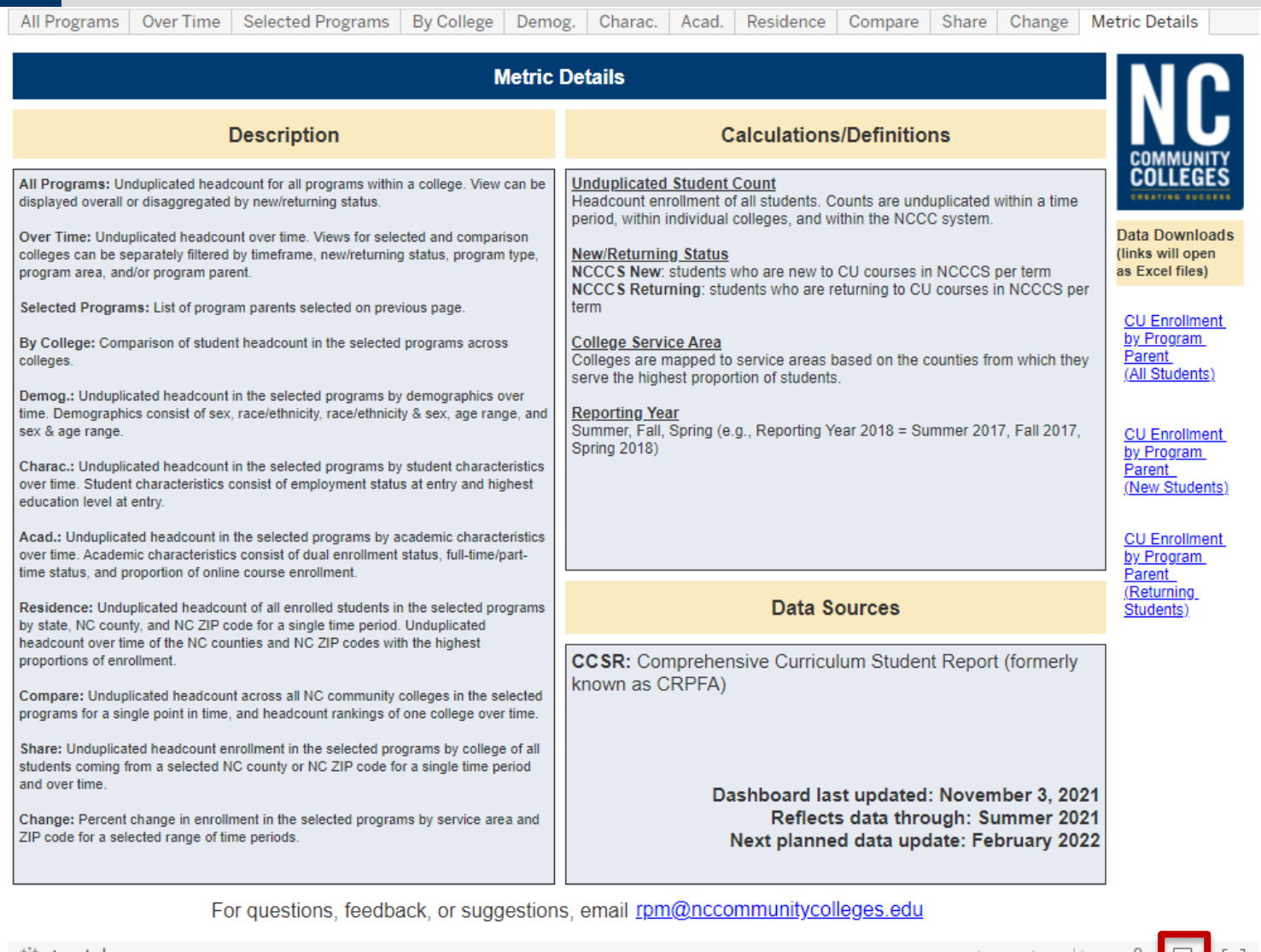
NCCCS Dashboards

Data Downloads



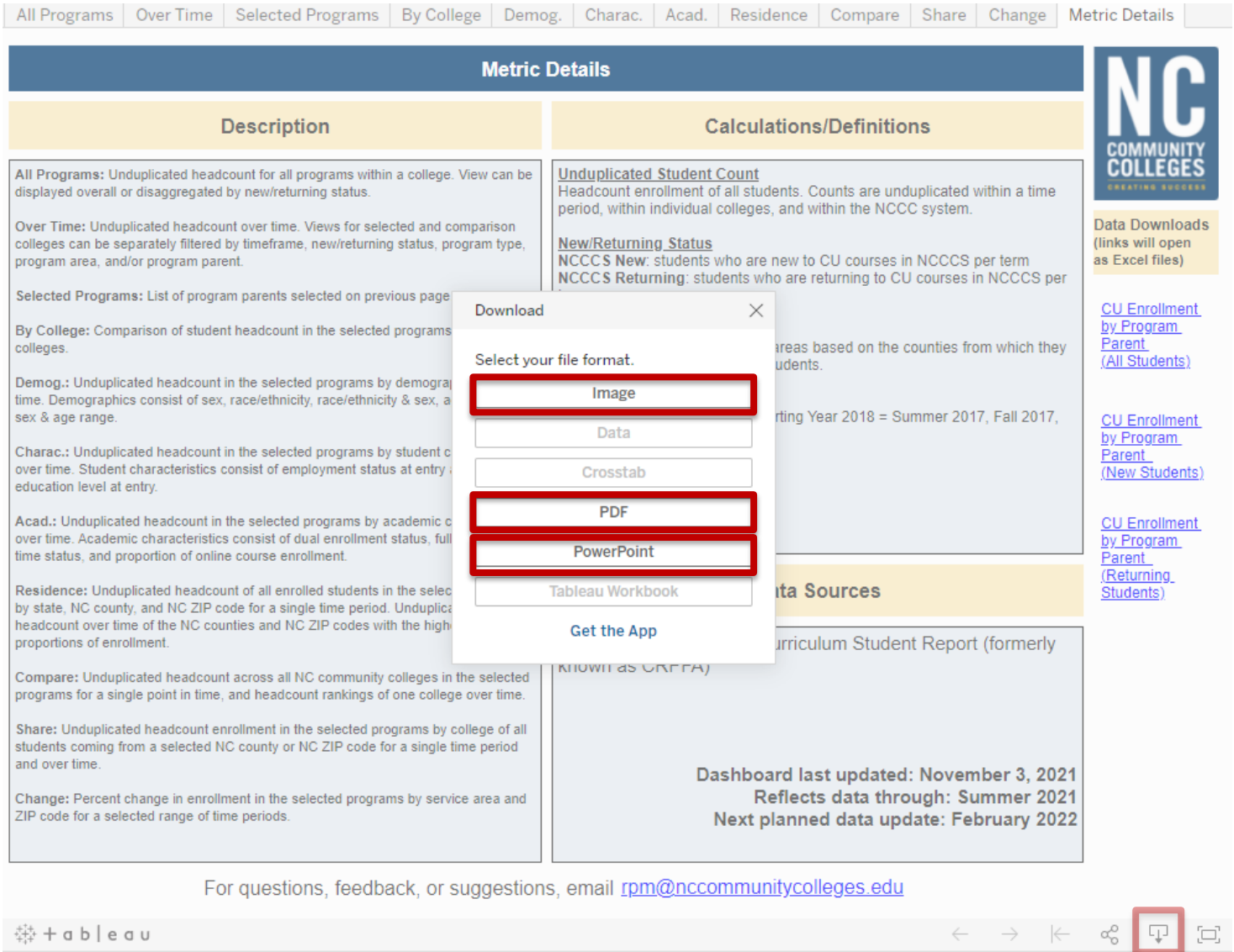
NCCCS Dashboards

Download PPT, PDF, Image



NCCCS Dashboards

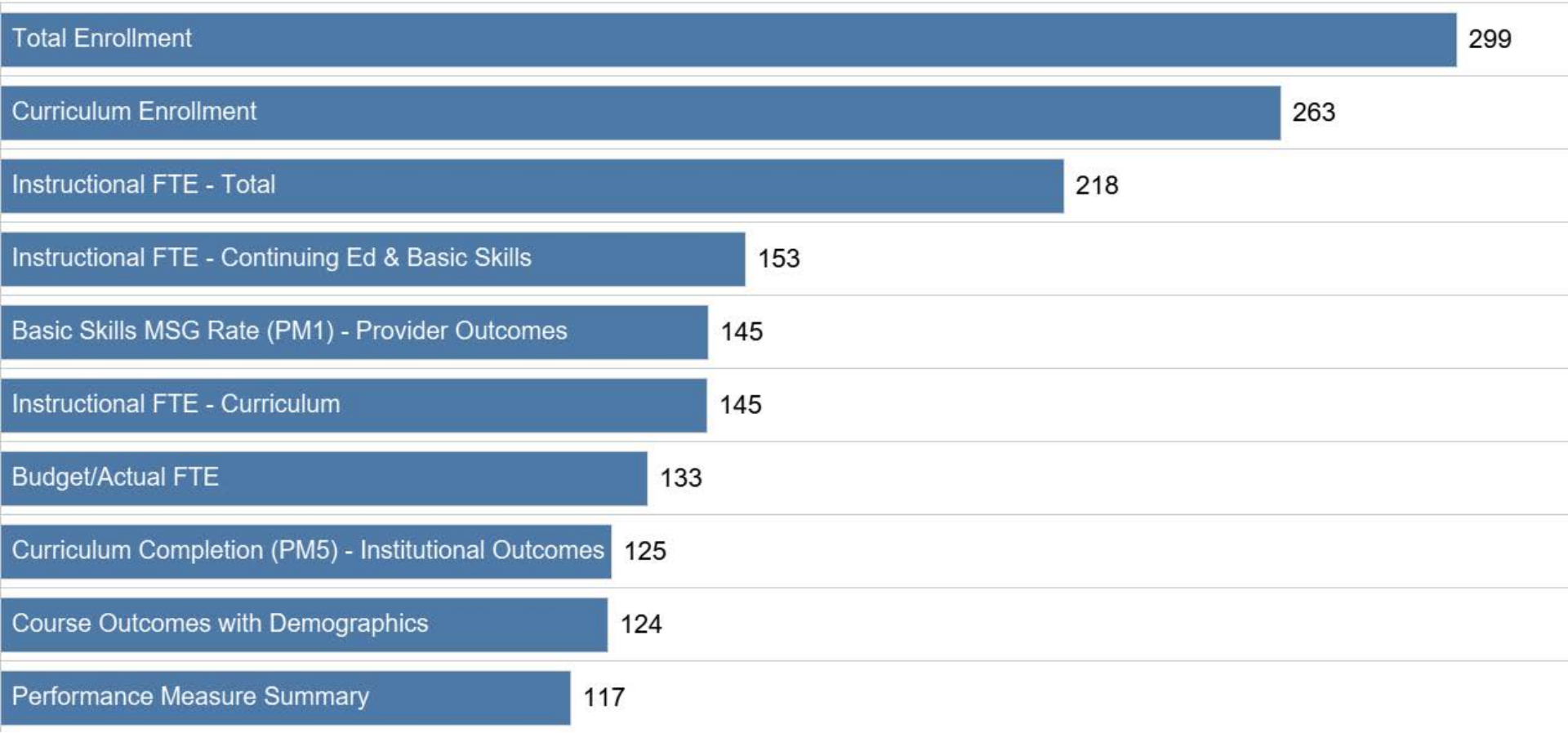
Download PPT, PDF, Image



NCCCS Public-Facing Dashboards

Usage Metrics

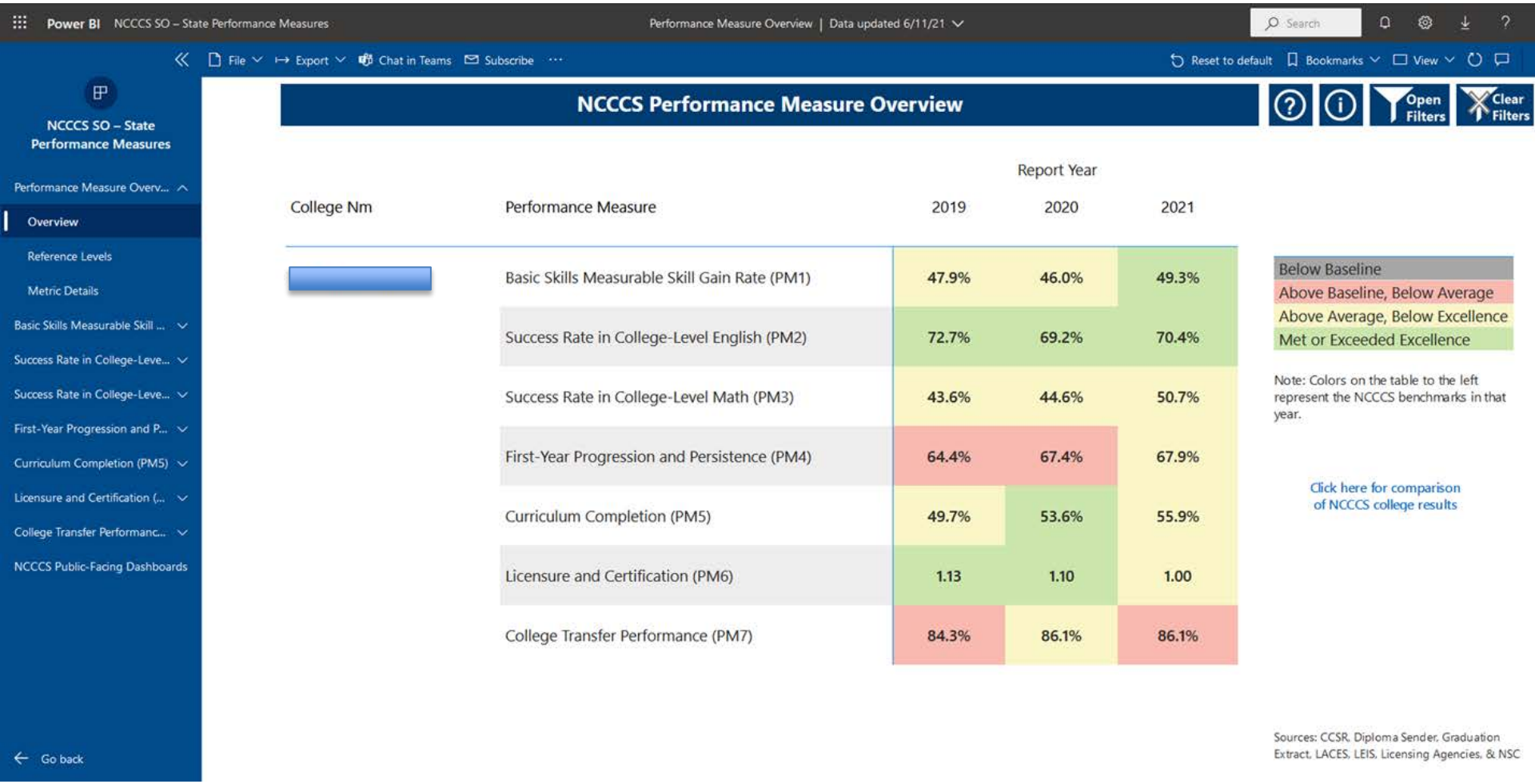
Average Dashboard Views Per Week (Public-Facing Dashboards)



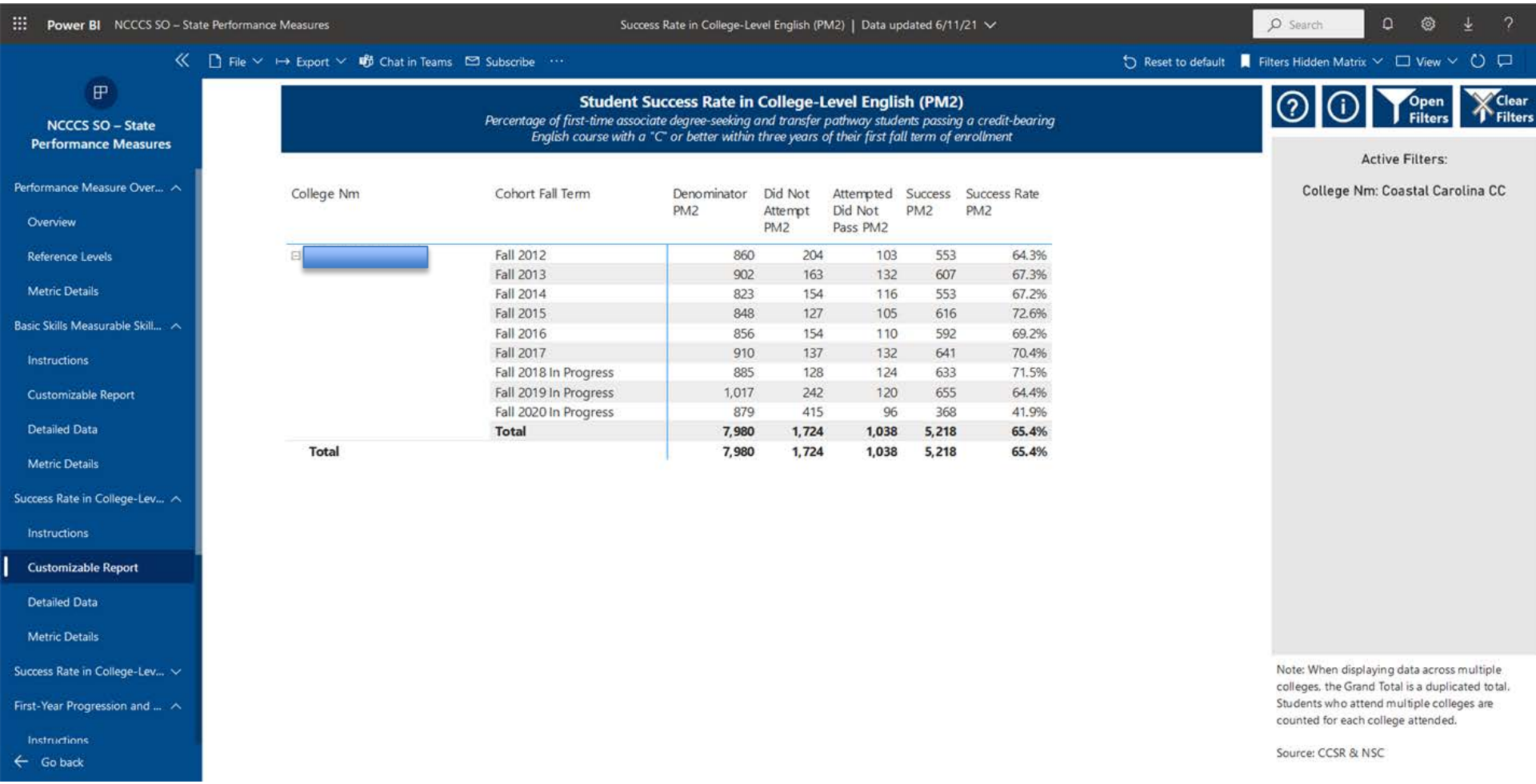
Power BI – New for 2021!

- Access Controlled
- Ease-of-Use
- Consistent Methodology
- Interactive
- Timely Data Updates (In-Progress Terms)
- Detailed Data Views
  - Local ID
  - Unsuppressed Data
  - Drill through Capabilities
- Focused Report Views
- Export Functionality (Data)

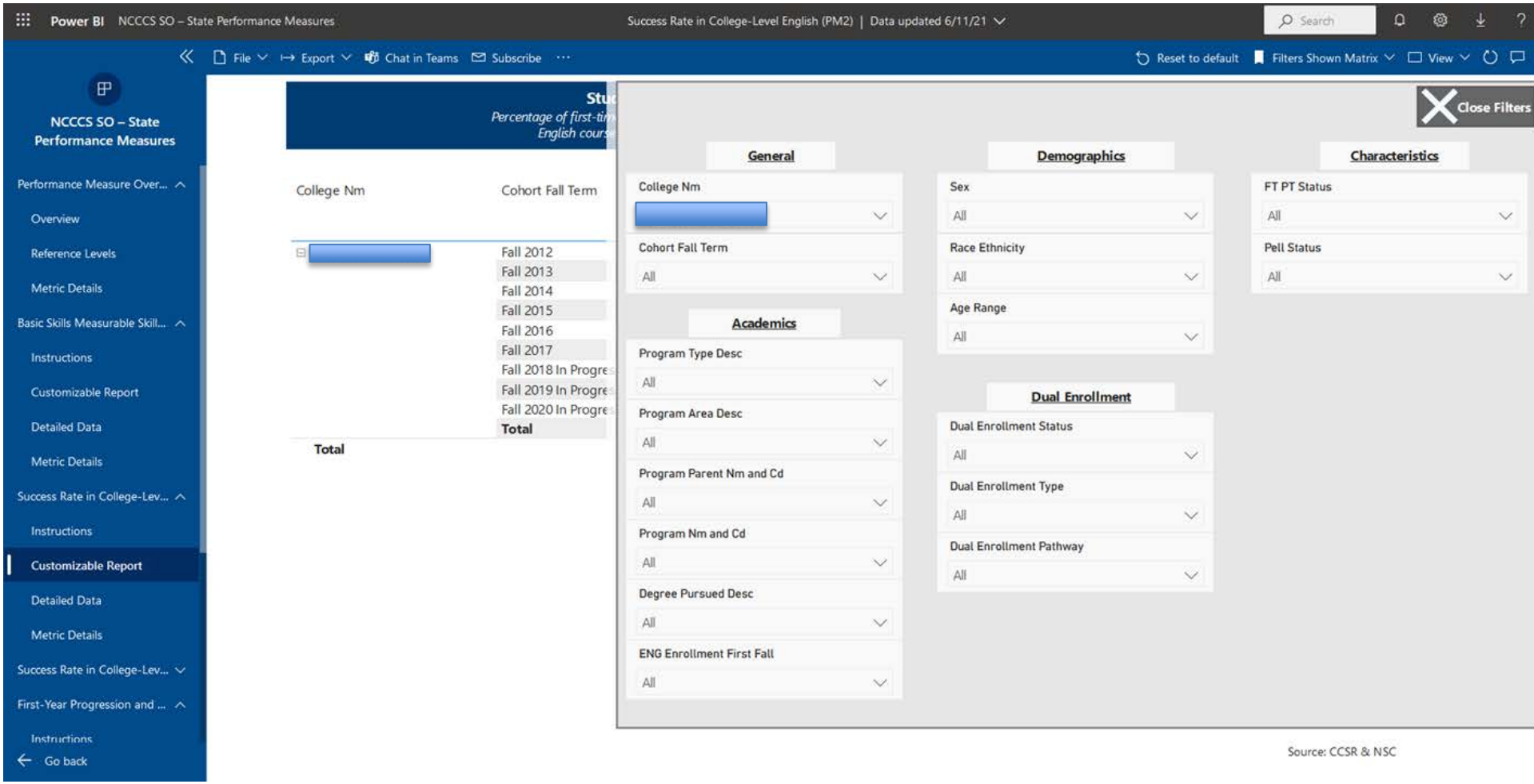
Power BI - Summary Reports



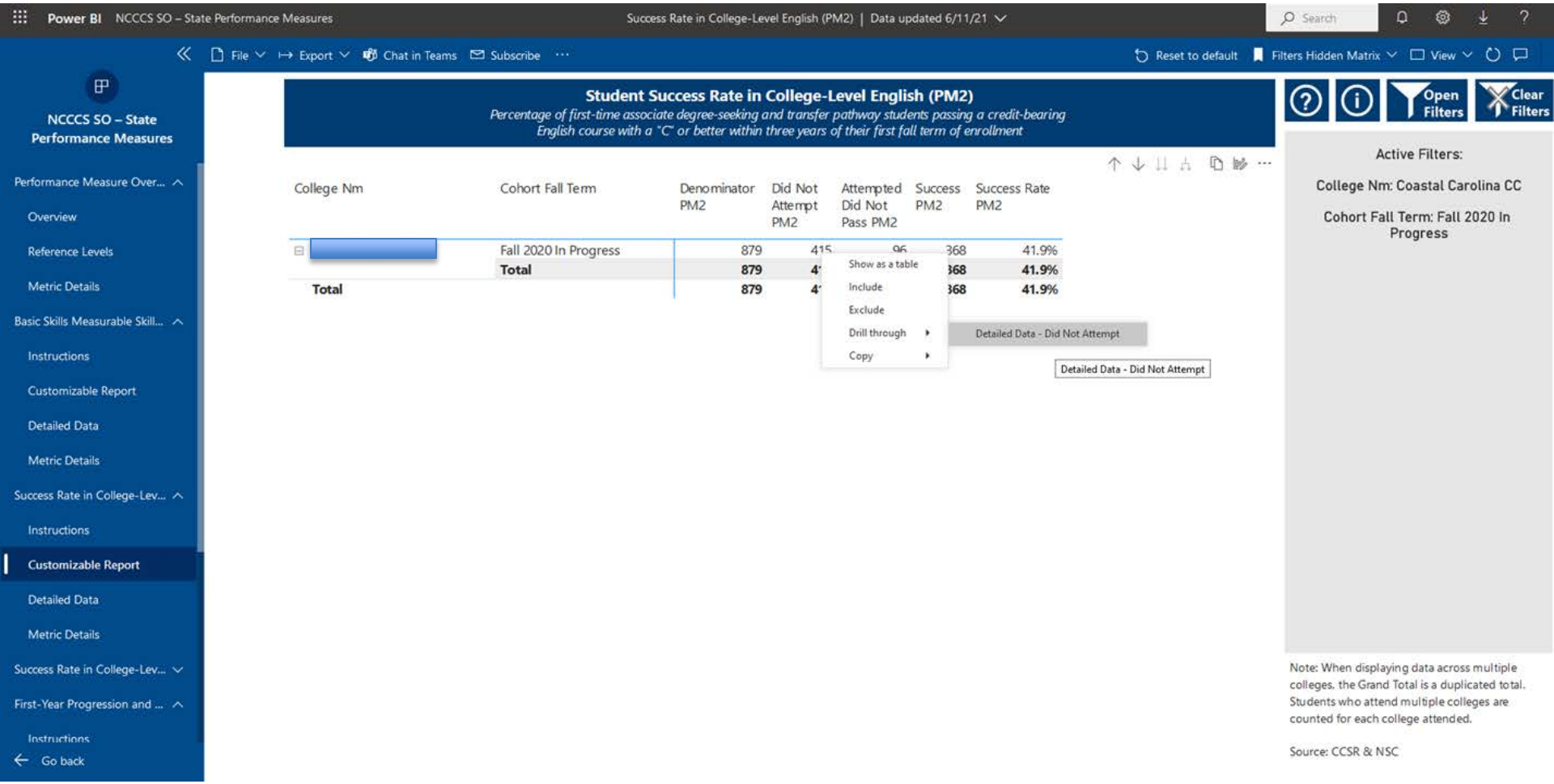
Power BI – Customizable Reports



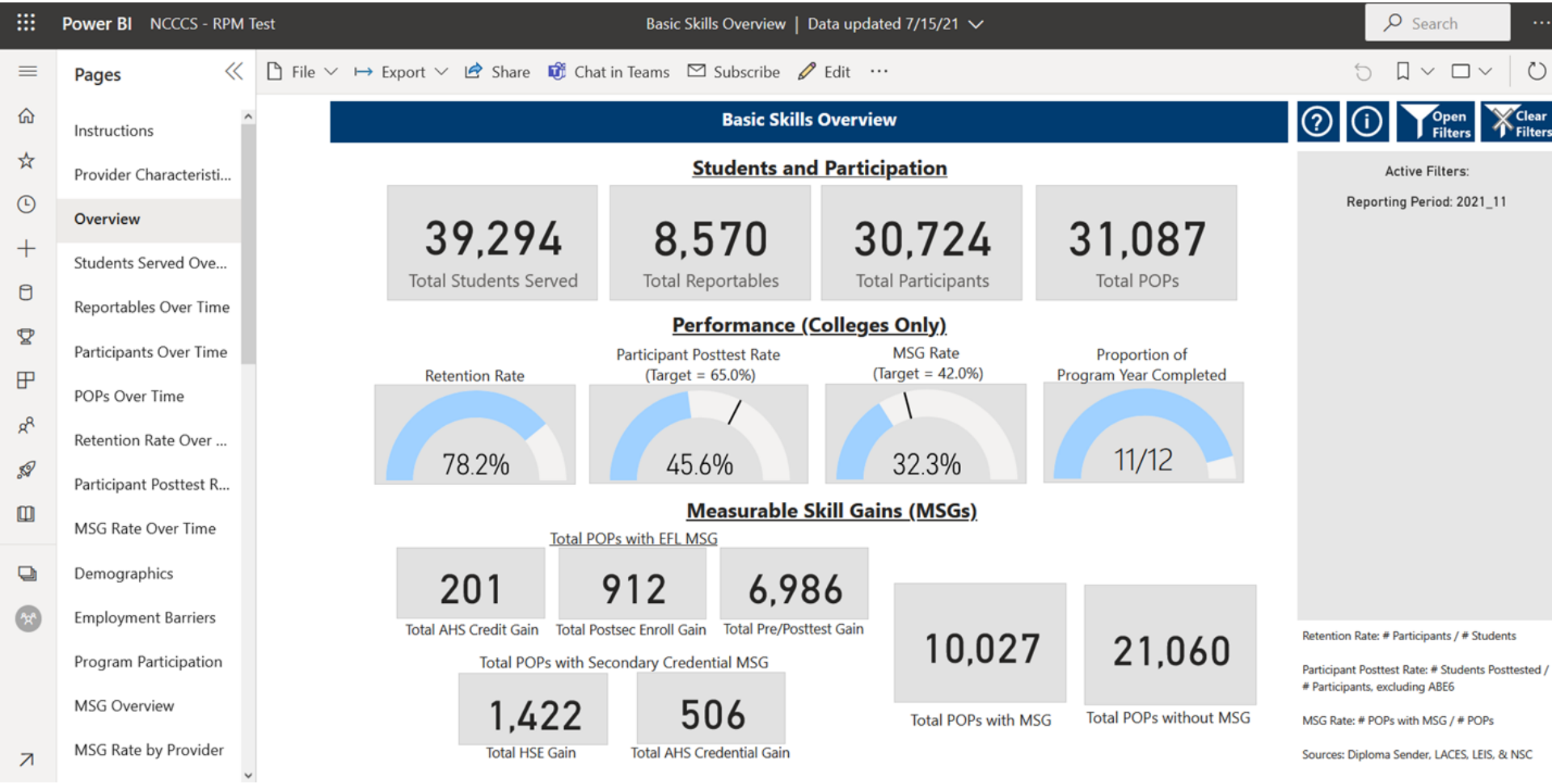
Power BI – Customizable Reports



Power BI – Drill Through Capability



Power BI – Federal Performance Monitoring



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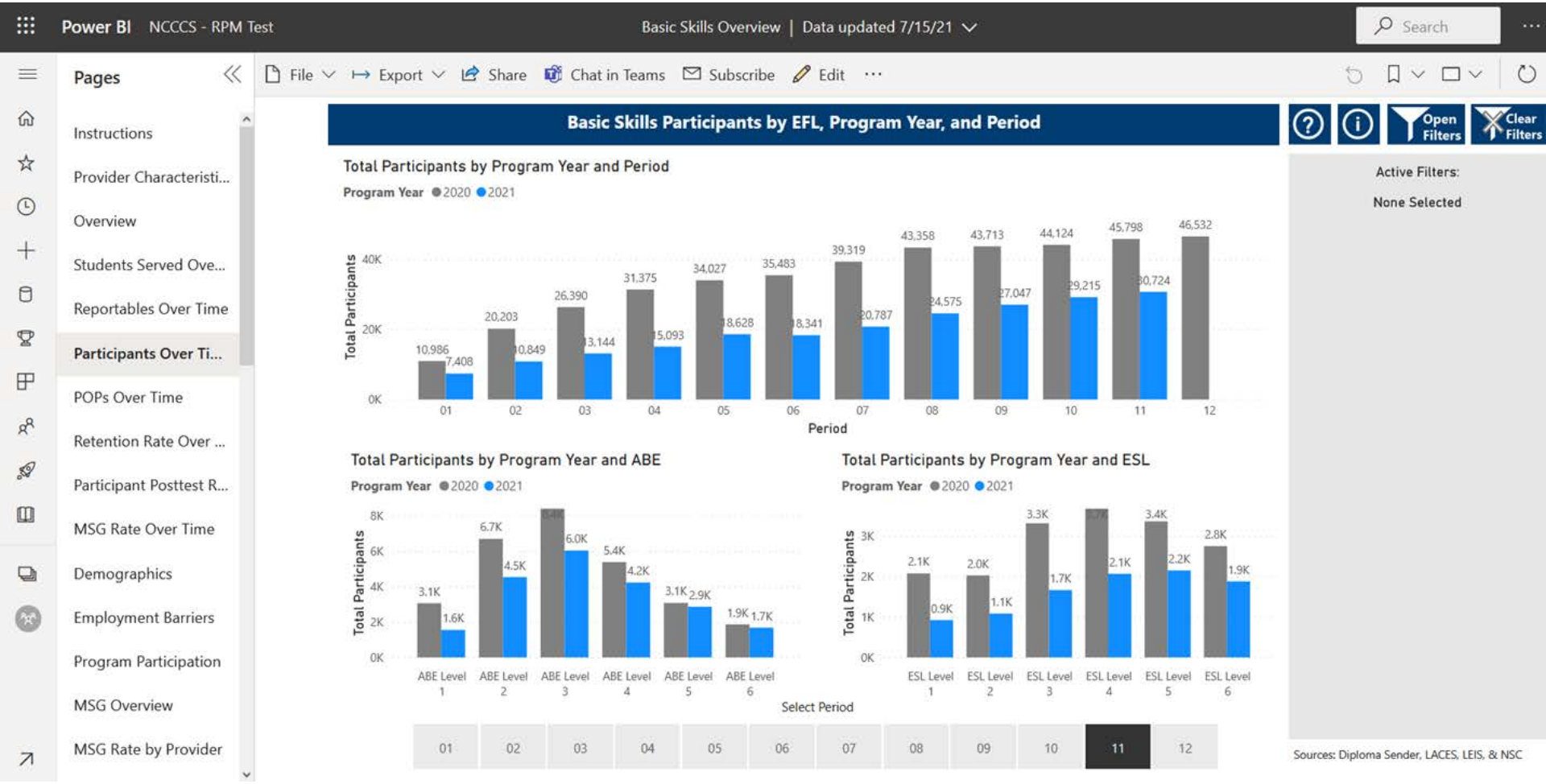
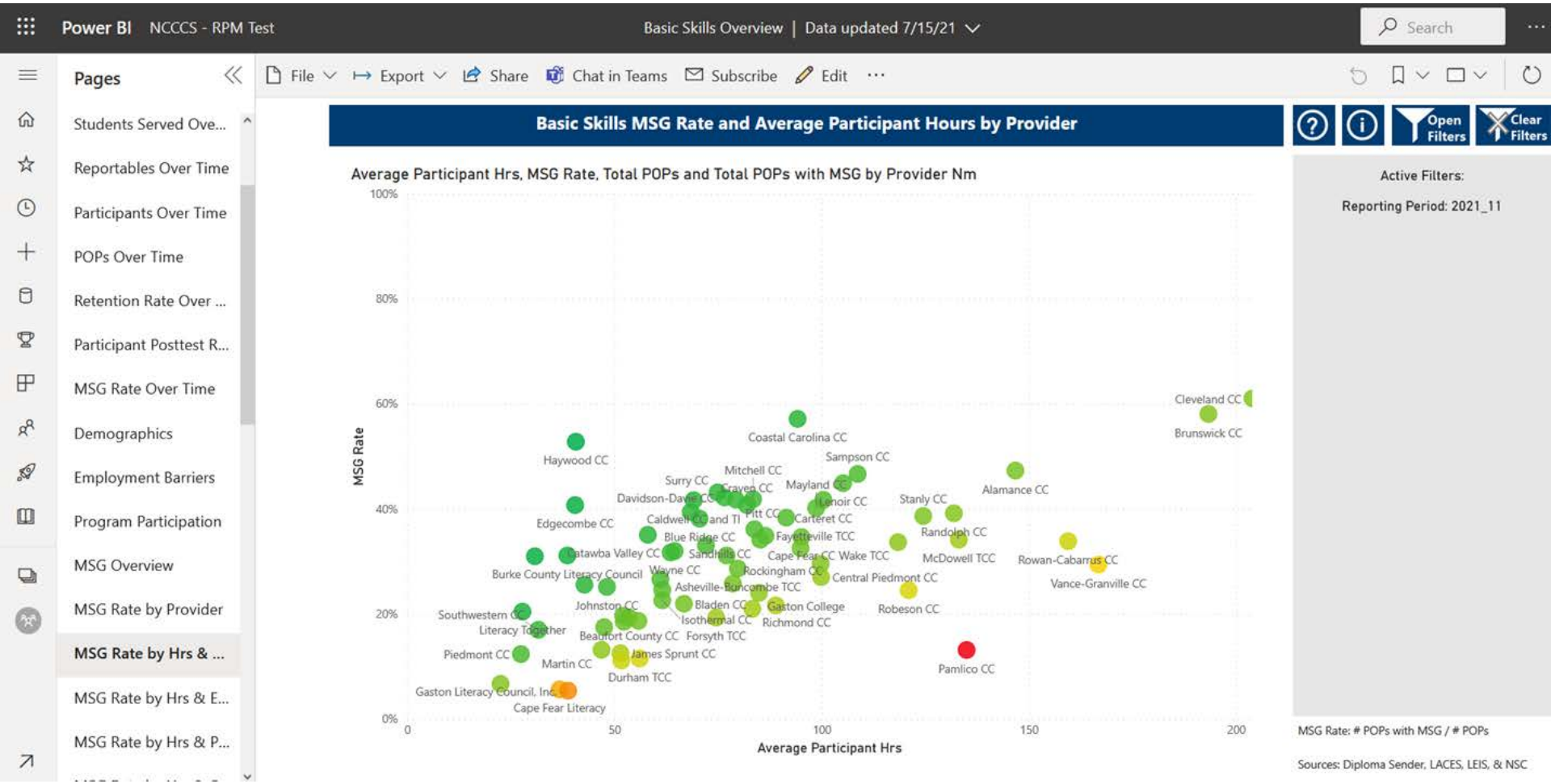


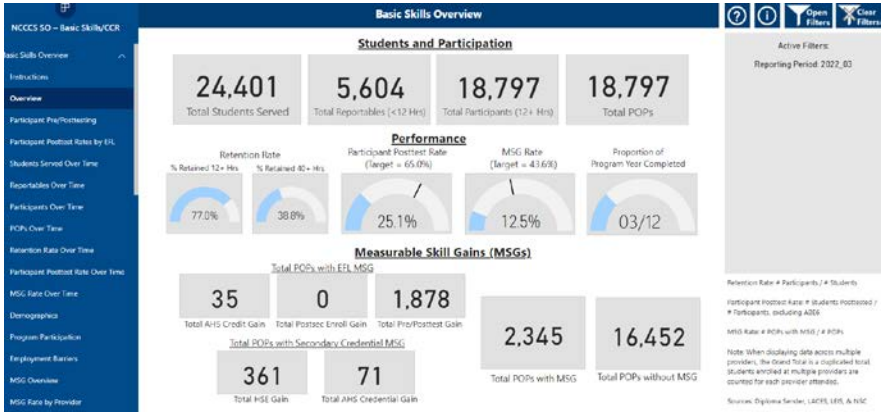
Power BI – Federal Performance Monitoring



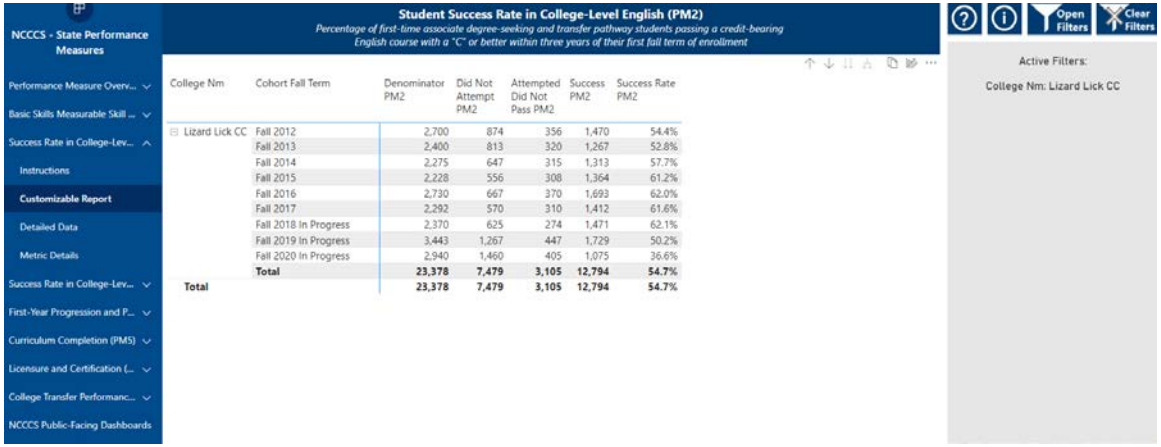
Power BI Delivery Strategies

Just the Data

Detailed Reports



Hybrid



Questions or Feedback:

Contact us at

rpm@nccommunitycolleges.edu

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Director of Analytics and Reporting
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