



Revolutionizing Data Access: Driving Efficiency with Live Data Tools

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Presenter



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Topics Covered

Introduction

Challenges & Objectives

The Dashboard Solution

Key Features of the Dashboard

Implementation Process

Dashboard Demonstration

Impact & Results

Future Enhancements & Scalability





Introduction



About Dallas College



- Dallas College is one of the largest community colleges in Texas. Since 1965, we have helped almost 3 million people on their educational journey
- Dallas College originally operated as a district of seven independently accredited colleges. In 2020, those colleges united under a single name to offer our students a more streamlined, more convenient experience. The seven original campuses live on as our primary locations..

300+

ACADEMIC AND TECHNICAL
DEGREES AND CERTIFICATES

100+

HIGH-DEMAND CAREER PROGRAMS
AND TRAINING

100K+

NUMBER OF TOTAL CREDIT AND
CONTINUING ED. STUDENTS

3,200+

NUMBER OF TOTAL FULL-TIME AND
ADJUNCT FACULTY





Support Programs

Dallas College Support Programs assists students by providing programming, support, and community geared around their identities and unique lived experiences.

Purpose Statements:

- Support Programs assist students in being the best possible citizens, elevating the larger Dallas community and beyond.
- Support Programs seek to create an environment for students that is innovative in programming in a constantly changing world. We create an environment where diverse populations are seen, valued, and heard by continuous assessment and data-informed decision making.

Student Learning Outcomes:

- By attending our programming and utilizing our services, students learned about the resources available to them both on and off campus.
- By attending our programming, and utilizing our services, students decided to complete their educational goals.
- By attending our programming, and utilizing our services, students developed a sense of belonging.





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Challenges & Objectives



Challenges

- ❖ Manual processes, data lags, lack of insights
- ❖ Need for a more dynamic, user-friendly, and cost-effective solution
- ❖ Difficulty Identifying At-Risk Students
- ❖ Inefficient Case Management
- ❖ Hindered Program Evaluation
- ❖ Limited Ability to Personalize Support
- ❖ Reduced Collaboration and Communication
- ❖ Difficulty in Reporting and Compliance
- ❖ Reactive Instead of Proactive Approach
- ❖ Difficulty in Strategic Planning
- ❖ Increased Workload and Stress for Staff
- ❖ Inequitable Service Delivery





Objectives



Cooperation between Data Management & Reporting team and Support Program Functional team



Purpose of the project: Transforming data access for specialized student programs



Key outcomes: Efficiency, cost savings, live data access





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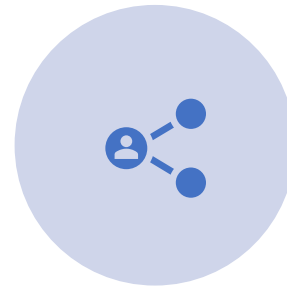
Dashboard Solution



Key Features of the Dashboards



Self interactive student list loaded and Live data updates and automated reporting



Integrated Tools: Power BI, TEAMS Channel, Datawarehouse



Comprehensive dashboard includes academic, course enrollment, graduation, persistence, and retention information for CR and CE.



Automated Reports, Student Risk Identification, and Customizable Visualizations



Implementation Process

Steps taken to design and develop the dashboard

Collaboration with DMR and Support Programs
Leadership

Training and adoption strategies



Deliverables

Overall Support Program Dashboard
Women's Empowerment Network (WEN)
Male Achievement Program (MAP)
Military-Connected Services (MCS)

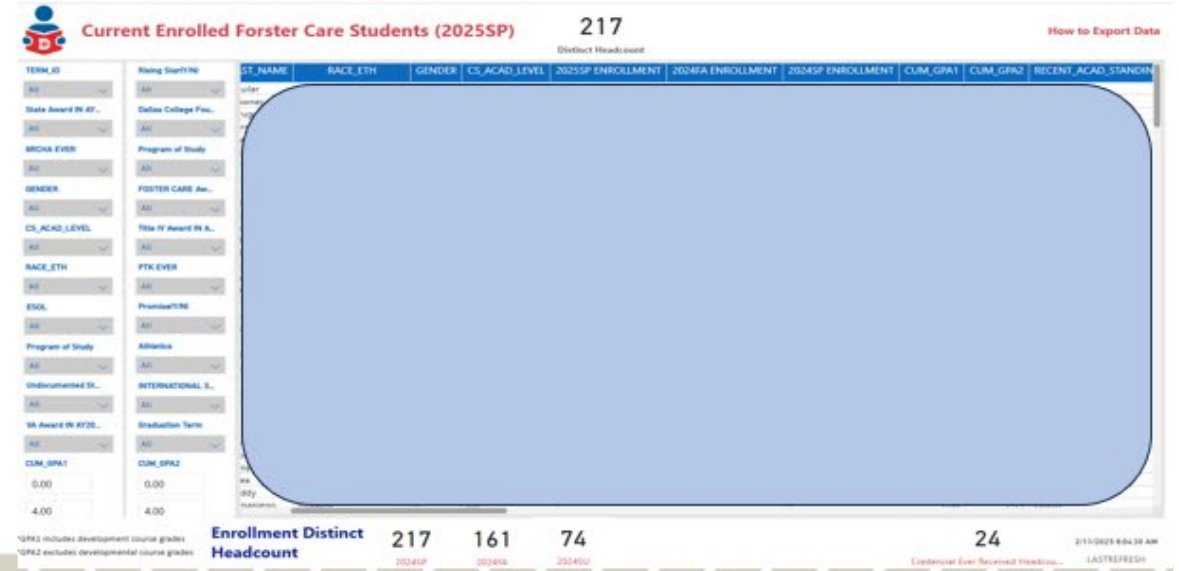
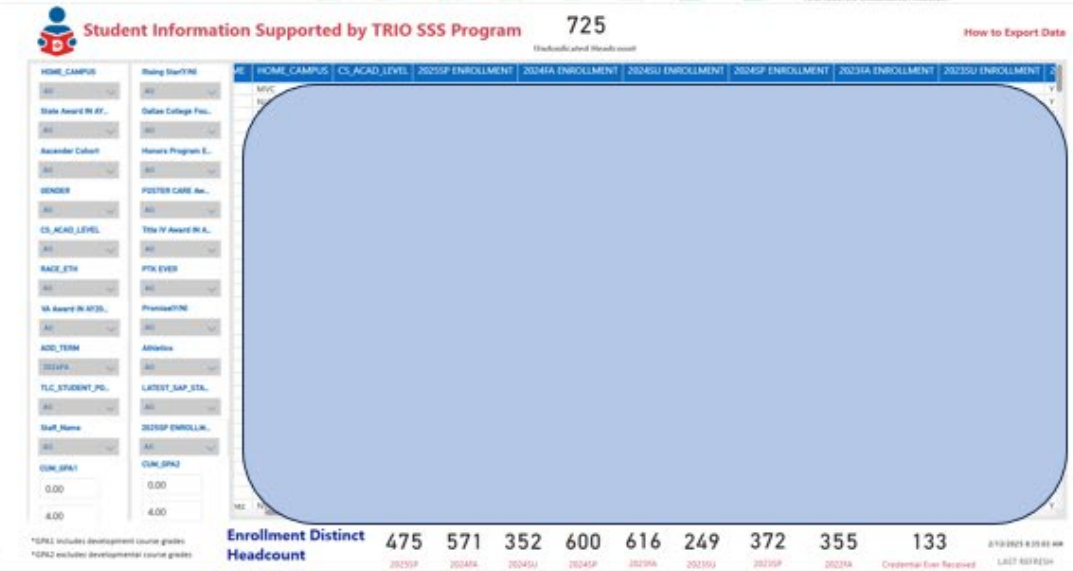
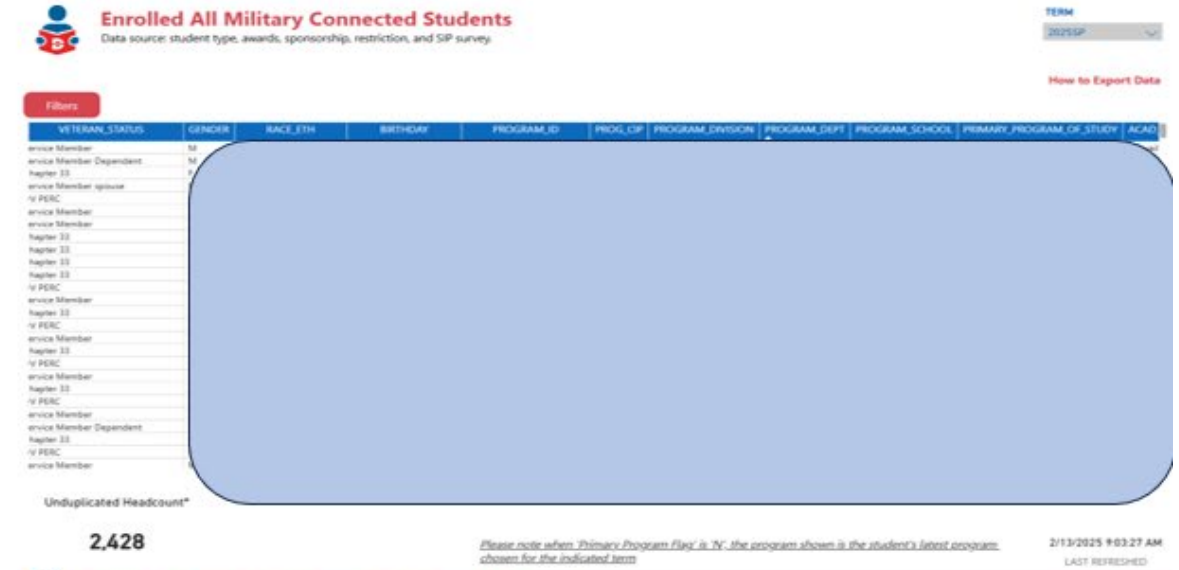
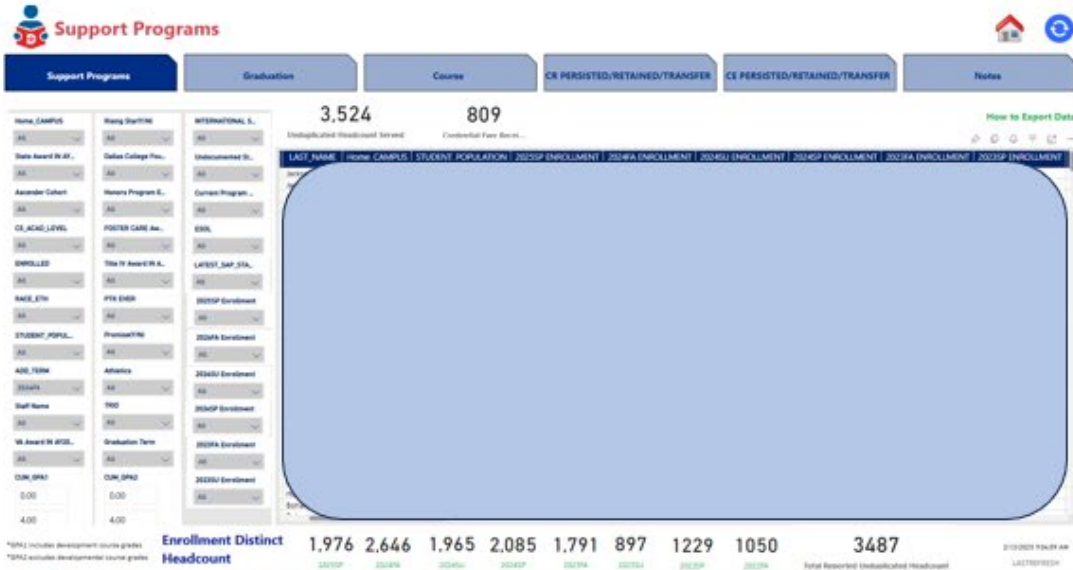
Military-Connected Services Dashboard
Specialized services for student veterans, active-duty students and military family members.

TRIO Services Dashboard
Designed to serve first generational college students and other special populations, TRIO provides academic and financial resources.

Hand In Hand (HIH) Foster Care Program Dashboard
HIH services provides former foster care students guidance and support in navigating the college experience and all the resources that are available to them.



Power BI Dashboard Demonstration





Support Programs

Graduation

Course

CR PERSISTED/RETAINED/TRANSFER

CE PERSISTED/RETAINED/TRANSFER

Notes

CR Students

CR Students Persistence & Retention Rates

TERM_ID	Total Served	Total Enrolled	Persistence (FA to SP) (%)	Retention (FA to FA) (%)
2022FA	3759	2832	2,105 (74.33%)	1,954 (69.00%)
2023SP	2230	1907	0	0
2023FA	3879	2169	1,675 (77.22%)	1,461 (67.36%)
2024SP	2227	1965	0	0
2024FA	3524	2566	774 (30.16%)	0

CR Students Persistence & Retention Rates

- **Students Served:** TLC consistently served more customers—including prospective, past, or currently enrolled students—in the fall term compared to the spring term. Over time, there has been a slight decline in the number of enrolled students served each term.
- **Persistence Rate (Fall to Spring):** Among enrolled students served, the 2022fall-to-2023spring persistence rate is **74%** (excluding data from Fall 2024 to Spring 2025 and Fall 2023 to Spring 2024). 2024FA Persistence rate keep changing, because we are in 2025SP registration.
- **Retention Rate (Fall to Fall):** The retention rate from Fall 2022 to Fall 2023 is **69%**.

CR Students' Credentials Earned

TERM_ID	1st Served & 1st Enrolled	Earned within 1 YR (%)	Earned within 2 YR (%)	Earned within 3 YR (%)
2022FA	615	22 (3.58%)	95 (15.45%)	110 (17.89%)
2023SP	298	12 (4.03%)	43 (14.43%)	0
2023FA	346	14 (4.05%)	27 (7.80%)	0
2024SP	272	16 (5.88%)	0	0
2024FA	490	1 (0.20%)	0	0
Total	2021	65 (3.22%)	165 (8.16%)	110 (5.44%)

CR Students' Credentials Earned

- **1st Served & 1st Enrolled:** Across all terms, **2,021** CR students who first enrolled at Dallas College were served during their first term. Over time, there has been a slight decline in the number of such students each term.
- **1-Year Credential Rate:** Among these students, there has been a slight increase in the one-year credential earning rate, excluding data from Spring 2024 and Fall 2024.
- **2-Year Credential Rate:** Of the **615** students served in Fall 2022, **15%** graduated within two years.

Transferred-Out CR Students

TERM_ID	1st Served & 1st Enrolled	Transferred-Out within 1 YR (%)	Transferred-Out within 2 YR (%)	Transferred-Out within 3 YR (%)
2022FA	615	43 (6.99%)	89 (14.47%)	0
2023SP	298	37 (12.42%)	47 (15.77%)	0
2023FA	346	19 (5.49%)	0	0
2024SP	272	13 (4.78%)	0	0
2024FA	490	0	0	0
Total	2021	112 (5.54%)	136 (6.73%)	0

Transferred-Out CR Students

- **1-Year Transfer Rate:** Among these students, **7% (43)** transferred out within one year, excluding 2024SP and 2024fFA.
- **2-Year Transfer Rates:** Among the **89** served student in 2022fa, **15%** transferred out within two years.





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Conclusions



Impact & Results



Data-driven decision-making for student support services



Reduction in manual reporting time



Enhanced institutional efficiency

Impact and Results

As shared, when student success teams lack access to a data dashboard, they face numerous challenges that hinder their ability to effectively support students and make informed decisions. With data:

- Data-driven insights can help identify and address equity gaps, ensuring all students have equal access to resources and support, leading to more equitable outcomes.
- Early intervention and prevention strategies can be implemented proactively, addressing potential issues before they escalate.
- Students can receive personalized, timely and targeted support, leading to improved academic performance, increased retention rates, and more effective interventions and improved outcomes.
- Reduced administrative burden allows staff to dedicate more time and energy to direct student support, interaction and engagement
- Programs can be evaluated effectively, ensuring resources are allocated efficiently and that programs are optimized to maximize positive student outcomes.
- Student services can identify trends and anticipate emerging challenges, allowing for proactive planning and resource allocation and improve communication and collaboration among student services departments ensure students receive holistic and coordinated support.





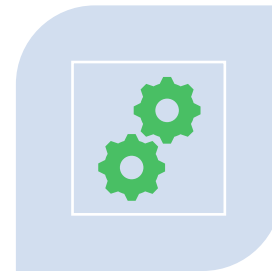
Future Enhancements & Scalability



EXPANDING
FUNCTIONALITY



INCORPORATING
PREDICTIVE ANALYTICS



ADDITIONAL
AUTOMATION FEATURES



POWER BI AI TOOLS

Q&A

Scan the QR code to
complete the
session survey.



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Texas Association for Institutional Research

Annual Conference: February 25-28, 2025
Omni Hotel in Corpus Christi, TX





Thank you so much for listening!

