Texas Higher Education
COORDINATING BOARD

THECB Secure Dashboards

Agenda

- Overview
- Intro to Secure Dashboards
- Persistence and Graduation
- Exercises
- Other Dashboards
- Feedback

Overview

Data Management & Research (DMR) is responsible for THECB's **entire data pipeline** from collection through data provisioning and facilitating **data sharing agreements** with other entities such as TEA and TWC.

The division's teams provide **data and research** aimed at informing **policy and practice** to a wide range of constituents, and they ensure that the data pipeline is structured to **meet agency goals and stakeholder needs**.

THECB Data Pipeline
Overview

COMMUNICATE DATA COLLECTION STANDARDS

1

THECB guides institutions on **what, how, and when** data must be collected and reported

INSTITUTIONS REPORT DATA

2

Institutions **report data** to THECB at multiple points throughout the year

DATA CLEANING & CERTIFICATION

3

Educational Data Center (EDC) **receives, cleans then certifies the data**

DATA REPORTING & PROVISIONING

4

DMR staff **analyze and report on certified data** to various stakeholders through multiple means:

- Legislative reports;
- Ad hoc data requests from THECB staff, higher ed institutions, the public, and others;
- Annual reports and data collections (e.g., online Accountability system, Almanac); and more

Data Insights

Data Management & Research

- Our team turns data into insights
  - Data collected from Institutions from Application to Graduation
  - Data sharing agreements with other entities including TEA and TWC to enhance research efforts
  - ~ 800 project requests each year
    - 25% from Institutions of Higher Education

Existing Resources

- Public Data Site
  - https://databridge.highered.texas.gov/
- Report Center
  - https://reportcenter.highered.texas.gov/reports/data/
- Accountability
  - http://www.txhigheredaccountability.org/AcctPublic/
- THED
  - http://www.txhighereddata.org/
- Email us:
  - DataSupport@highered.texas.gov
- Meet with us:
  - Schedule time with us to discuss data projects and services

Data Modernization Initiative: The Why

PRIOR TO THE DATA MODERNIZATION INITIATIVE

User experience was not intuitive and self-service capabilities were limited.

Data was high-level, lacking insights and visualization capabilities.

The ability to compare data across institutions was limited.

New, intuitive website and secure data portal with in-depth, self-serve dashboards

Detailed, tailored metrics and insights supported by interactive PowerBI visuals

Access to peer data for comparison across institutions

Data Modernization Initiative

The goal of the Data Modernization Initiative (DMI) is to equip internal and external stakeholders with **actionable insight and data** to improve decision making capabilities. To meet this goal, THECB staff is creating a one-stop-shop where all data offerings will reside, simplifying data access.

DATABRIDGE

The new Public Data Site features embedded **PowerBI dashboards** to give insights via **explanatory and exploratory reports**. The website will also serve as the access point for a **Secure Data Portal** where privileged users can access specially-curated datasets and dashboards.

SECURE DATA PORTAL

The Secure Data Portal provides internal and external stakeholders access to more robust data through **Secure Dashboards**.

The dashboards **protect the privacy of data** while also providing deeper insights **to improve decision-making capabilities** for each agency or institution.

SECURE DASHBOARDS

The Secure Dashboards provide each data topic with its own set of dashboards tailored to three user perspectives: **Persistence & Graduation**, **Transfers**, and **Labor Market Outcomes**.

Within each dashboard, there are many pages with detailed metrics and tailored insights.

Vision

SECURE DASHBOARDS

Empower a diverse user base with self-service analytics tools to access metrics without high-level aggregations, enabling informed actions in focused areas that will drive improved outcomes throughout a student's education and career

Secure Dashboards

The Secure Dashboards provide each data topic with its own set of dashboards tailored to three user perspectives: Persistence & Graduation, Transfers, and Labor Market Outcomes.

PERSISTENCE & GRADUATION

The Persistence and Graduation dashboard illustrates institution-specific metrics for **persistence rates**, **graduation rates**, **time to degree**, **and degrees awarded** with the ability to filter by program, demographics, and academic indicators. Users also have the ability to compare results with peer institutions.

These metrics allow users to analyze specific persistence or graduation scenarios or trends over time.

LABOR MARKET OUTCOMES

The Labor Market Outcomes dashboard illustrates metrics pertaining to **student success in the labor market** with the ability to filter by program, demographics, and academic indicators. Users also have the ability to compare results with peer institutions.

These metrics allow users to analyze debt upon graduation, first and fifth year wages, median wage by degree level, industries that students go into, and more!

TRANSFERS IN/OUT

The Transfers dashboard illustrates institution-specific metrics for student **transfers in/out of programs at the system or institution level** with the ability to filter by program, demographics, and academic indicators. Users also have the ability to compare results with peer institutions.

These metrics allow users to analyze transfer patterns, hours spent in a program before transferring, GPA before transferring, and more!

Dashboard Advisory Council

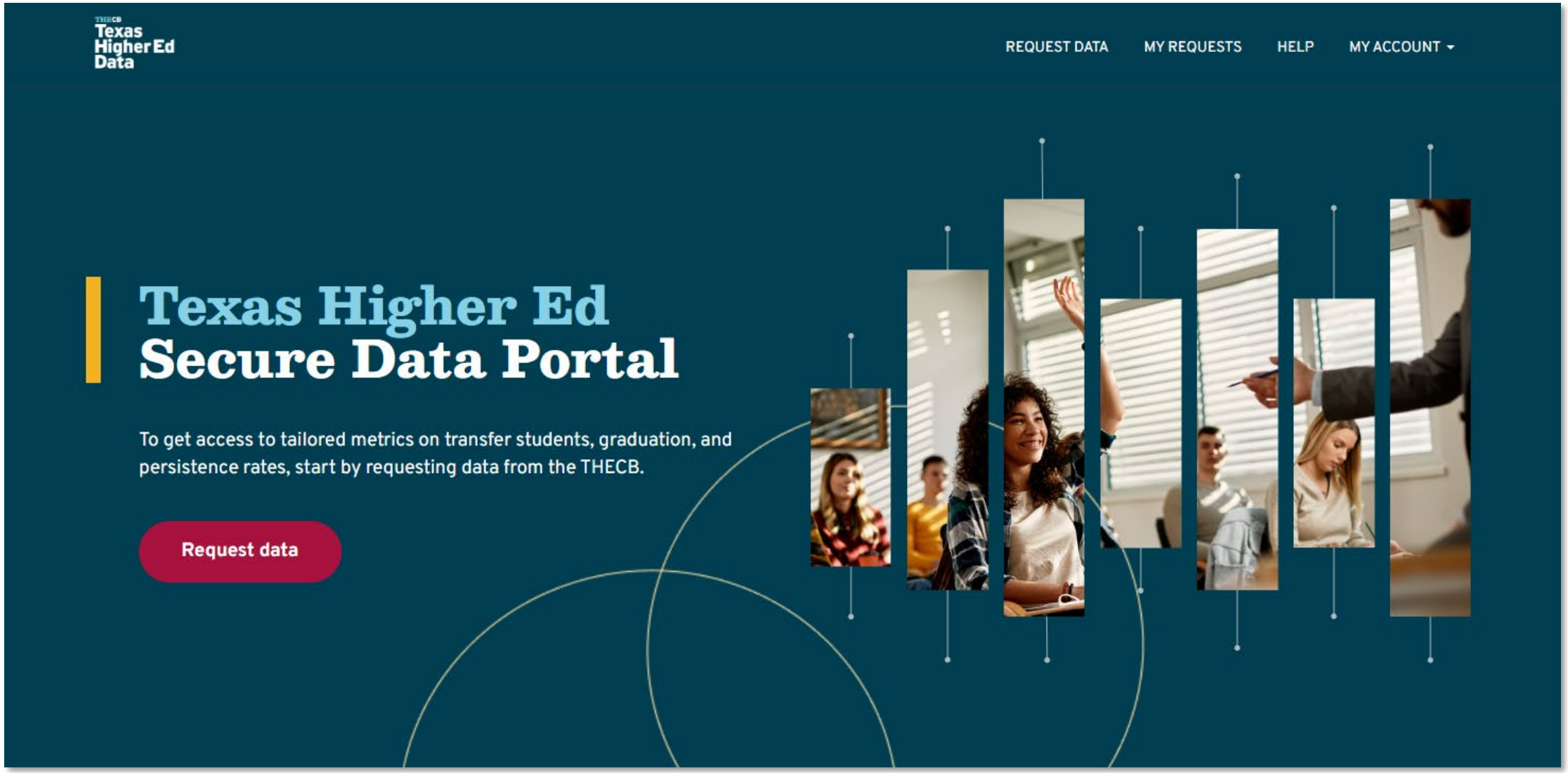
- 16 members of Institutional Research professionals from different institutions, spanning many peer groups
- Team meets quarterly to provide feedback and ongoing insight into our current and future dashboard offerings
- Inform dashboard governance structures
- Discuss institutional needs

Dashboard Access Governance

- Process:
    1. Access is requested
    2. Request is sent to Institutional Reporting Official
    3. When Approved:
        1. Orientation Session is set up
        2. Access is Granted
    4. 84 Institutions, 286 Researchers

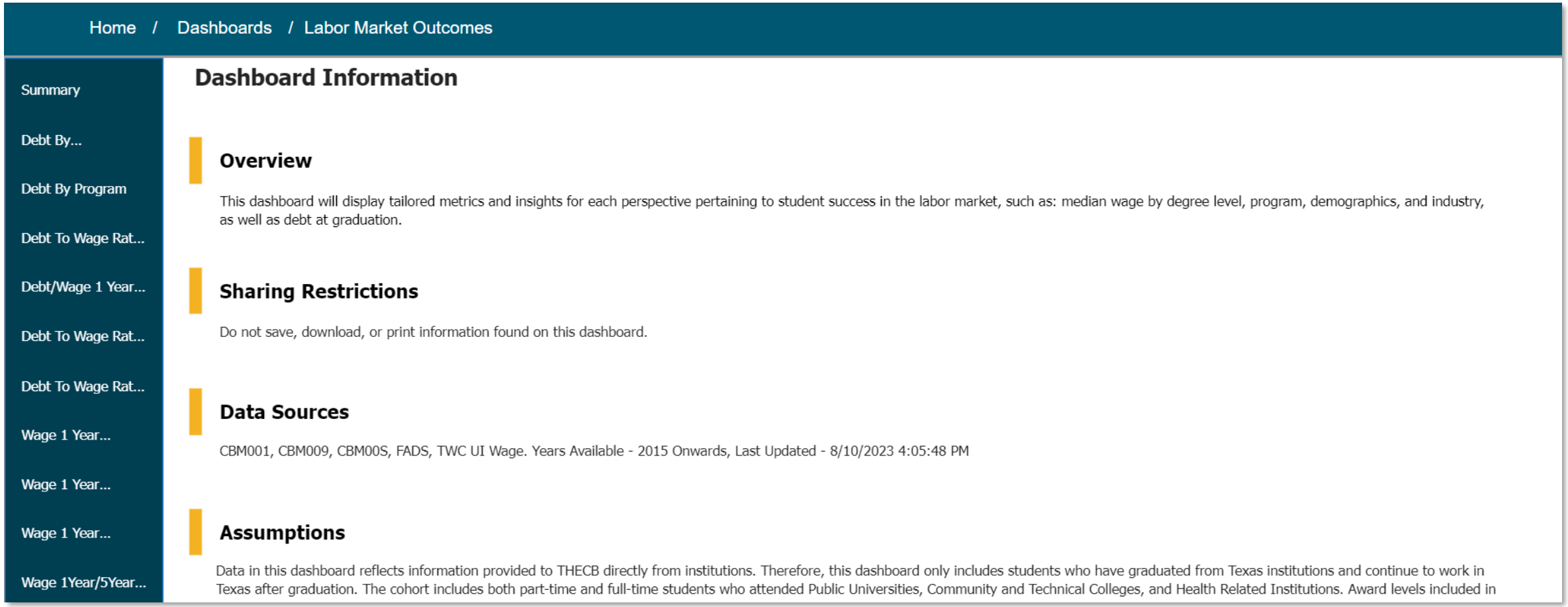
Secure Data Portal

The Secure Data Portal allows users to request access to institution-specific datasets and dashboards, including metrics for Persistence & Graduation, Transfers, and Labor Market Outcomes.



Secure Dashboards

Each Dashboard contains institution-specific data collected by the Texas Higher Education Coordinating Board. On the main page of each dashboard, you will find a summary, customization options, and the pages available – including a summary, tailored reports, and dashboard information.

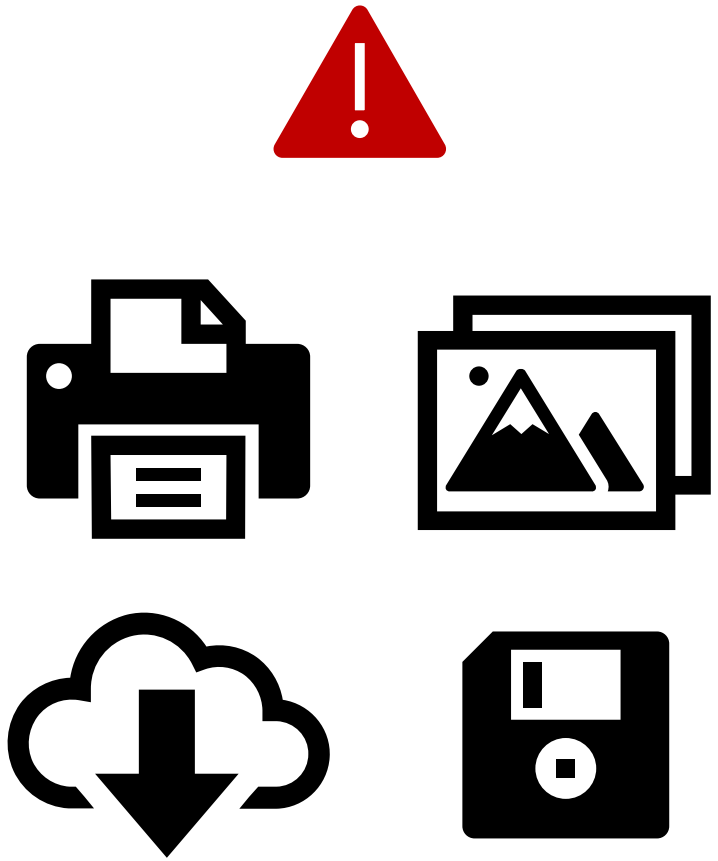


Dashboard information may **not** be downloaded, printed, or saved.

Dashboards

Maintain Dashboard Data Security

Maintaining the security and privacy of the data found within the Secure Data Portal and Dashboards is of the utmost importance. Do NOT print, screenshot, download, or save the data in the dashboard.



Due to the inclusion of Personally Identifiable Information (PII) in the dashboards, every individual must **create an account and request access** to the secure dashboard to view the data.

Secure Dashboards

- Secure Portal
  - https://securedata.highered.texas.gov/
- How to Sign Up
  - https://youtu.be/qOVVJD_xc-Q
- How to Log In
  - https://youtu.be/mbCN8N7SQow
- How to Request Access to Dashboards
  - https://youtu.be/Y5MaegDBEoI

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Persistence & Graduation

Transfers In/Out

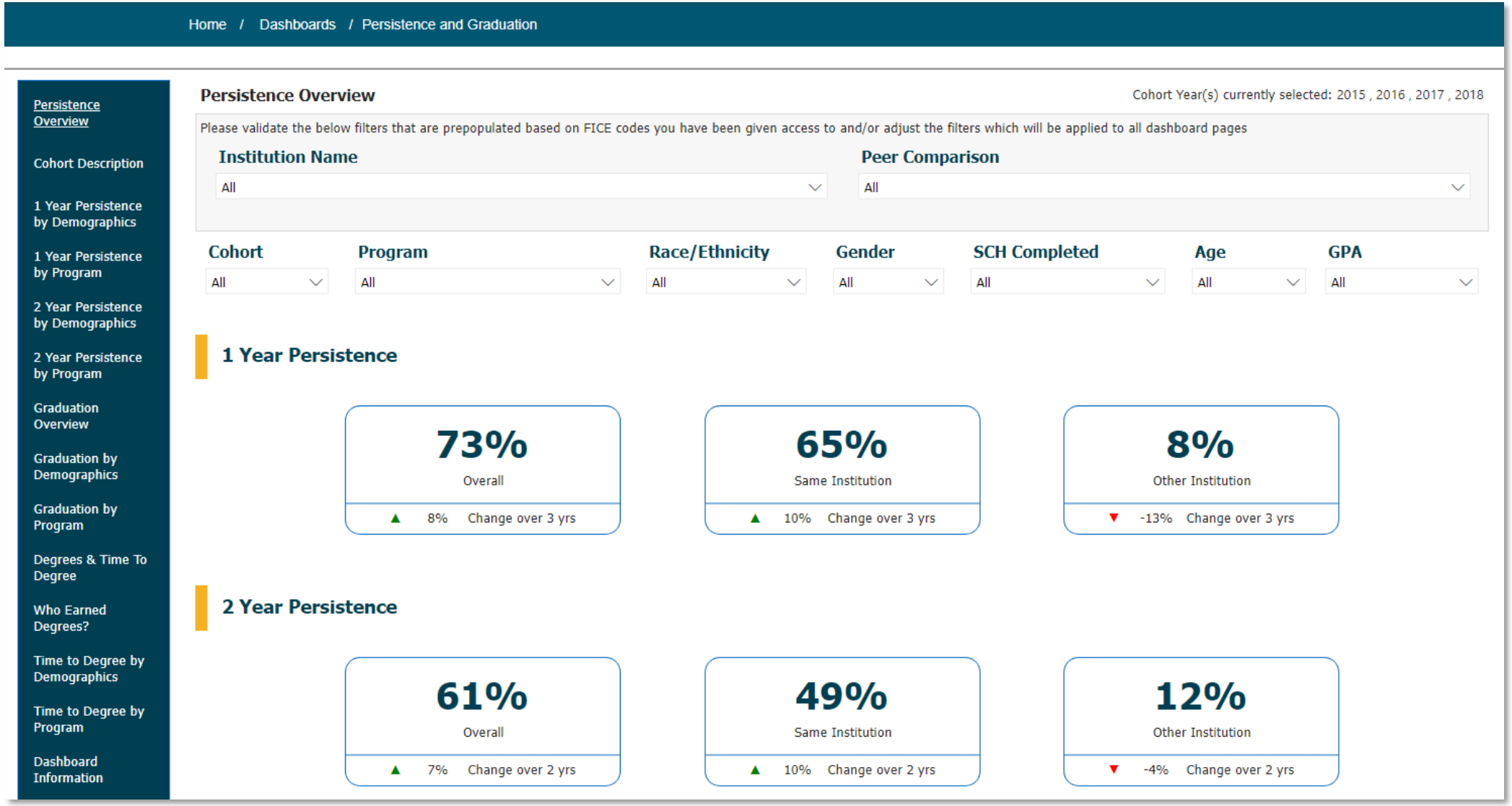
Labor Market Outcomes

Persistence & Graduation Dashboard

The Persistence & Graduation (P&G) Dashboard illustrates metrics for **persistence rates**, **graduation rates**, **time to degree**, and **degrees awarded** with the ability to filter by program, demographics, and academic indicators.

This is our initial release and is being iterated based on feedback from the institutions.

Persistence & Graduation Overview Page



How Researchers May Use the P&G Dashboard

Persistence & Graduation metrics allow users to analyze specific persistence or graduation scenarios or trends over time. The following are examples of how researchers may use the secure Persistence & Graduation (P&G) Dashboard:

PEER COMPARISON

The Department of Sociology is looking to compare the percent of students who leave their institution and go to another institution with their peer institutions.

RELATIONSHIP BETWEEN METRICS

The VP of Student Success is looking to understand the relationship between the GPA of a student and their likelihood to not persist. She also wants to compare this with similar institutions and review the trends.

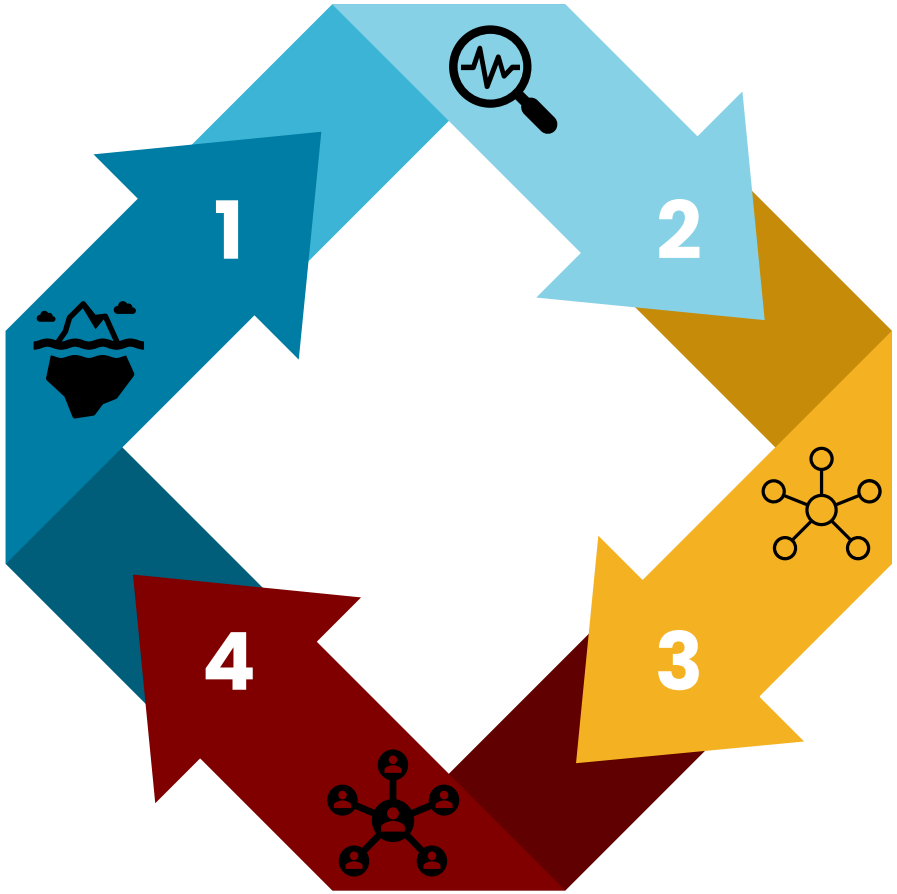
TREND ANALYSIS

The Director of IR noticed a trend in the success rates of male students and is looking to compare this with their peer institutions.

Connective Data and Dashboard Strategy

Formulating Problem Statement

Develop a problem statement before engaging with a dashboard. This will allow for guided exploration of the data and glean insights relevant to the issue. Become familiar with the underlying data.



Diving Deep into the Data

Engage with the dashboard to uncover data-driven solutions pertinent to the defined problem statement. Record all observations throughout the investigative process. Be prepared to refine the problem statement as new insights emerge.

Developing Action Plans

Create a comprehensive short-term action plan detailing the necessary activities, assigning responsible parties, establishing deadlines, and defining communication strategies with stakeholders.

Connecting the Dots

Identify the broader patterns that emerge from the data findings and craft strategic approaches to effectively address the issues outlined in the problem statement.

Team Time

- Example Questions:
  - What are my two year persistence rate trends over the past three years?
  - How does my two-year persistence rate compare with peers?
    - By major?
    - Race/Ethnicity and Gender
  - What does my institution two year persistence rate look like at my institution vs enrolled elsewhere?
  - Are there differences in second-year persistence rates between different demographic groups?

Taking it Back to Campus

- Who else would benefit from the Persistence and Graduation Dashboard?
- What other questions can be asked?
- Data at campus?
- Who will need to be a part of the team?
- Business Processes that can be affected

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Persistence & Graduation

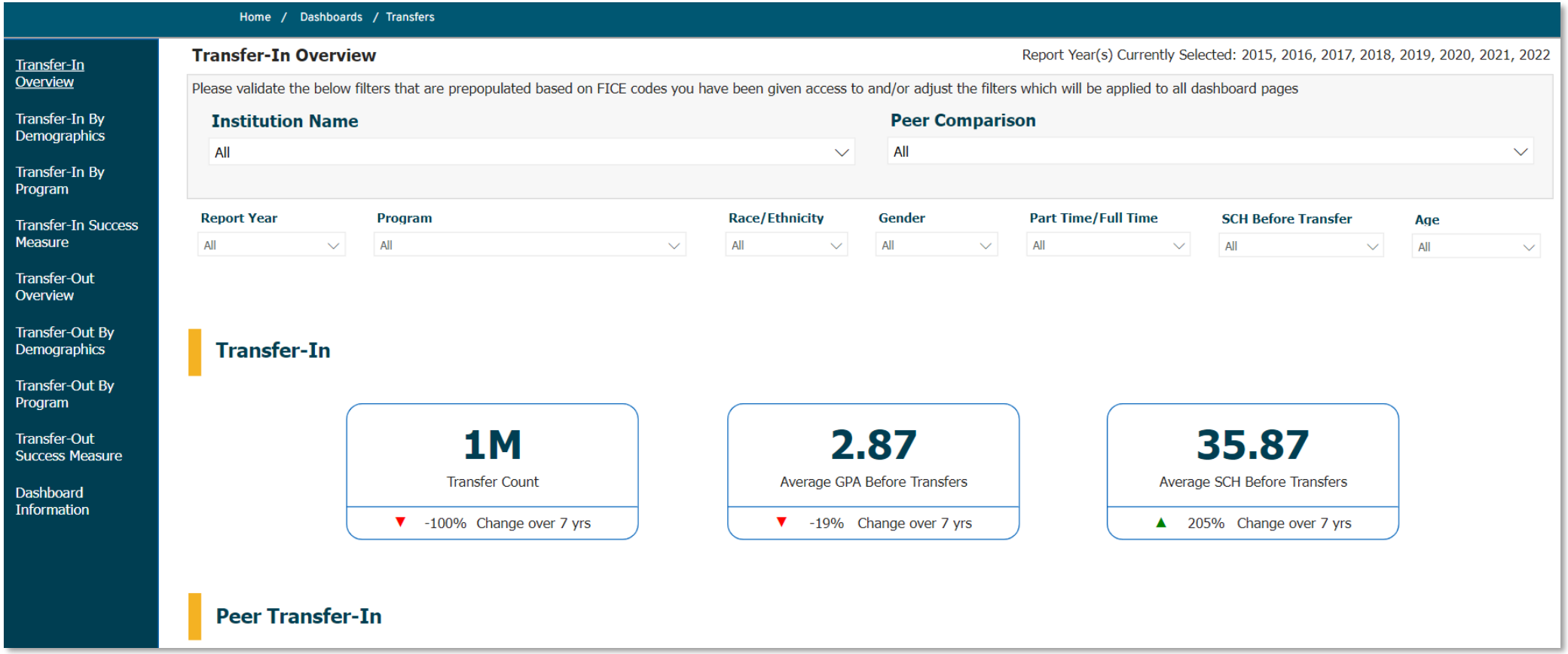
Transfers In/Out

Labor Market Outcomes

Transfers Dashboard

The Transfers Dashboard illustrates institution-specific metrics for **student transfers in/out of programs** at the system or institution level with the ability to filter by program, demographics, and academic indicators.

Transfers Overview Page



How Researchers May Use the Transfers Dashboard

Transfers In/Out metrics allow users to analyze different transfer scenarios, including transfer patterns, hours spent in a program before transferring, and GPA before transferring. The following are examples of how researchers may use the secure Transfers (In/Out) Dashboard:

PEER COMPARISON

The Department of Biology wants to understand the trends of students who transfer into their programs compared to peer groups. Are other institutions seeing an increase in transfers?

RELATIONSHIP BETWEEN METRICS

The Provost wants to look at the changes in demographics of transfer students in her institution compared to the peer institutions.

TREND ANALYSIS

The Director of IR is asked to compile a list of programs where the transfer in numbers are decreasing at their institution and compare those to the peer trends.

Texas Higher Education
COORDINATING BOARD

Persistence & Graduation

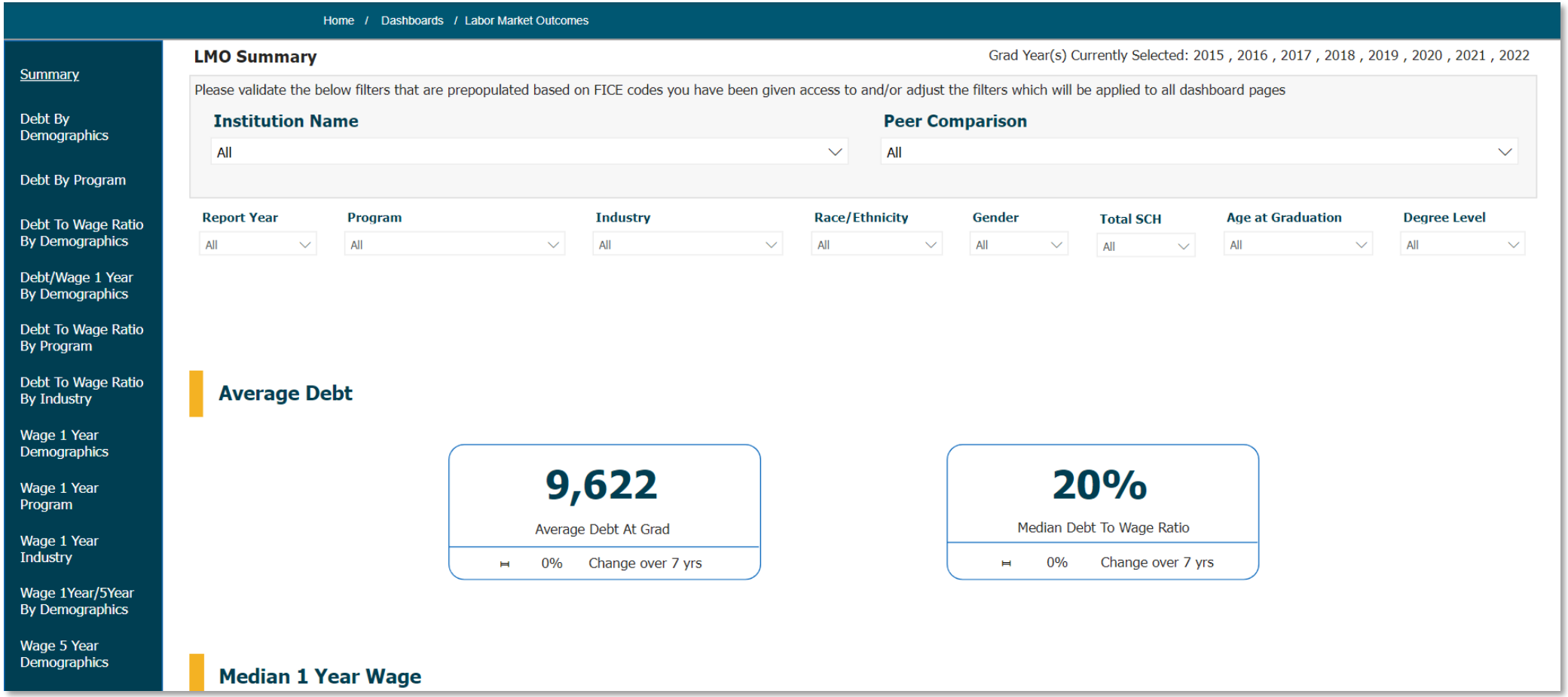
Transfers In/Out

Labor Market Outcomes

Labor Market Outcomes Dashboard

The Labor Market Outcomes (LMO) Dashboard illustrates metrics pertaining to **student success in the labor market** with the ability to filter by program, demographics, and academic indicators.

Labor Market Outcomes Overview Page



How Researchers May Use the LMO Dashboard

Labor Market Outcomes metrics allow users to analyze different scenarios, including debt upon graduation, first and fifth year wages, median wage by degree level, and popular industries for students. The following are examples of how researchers may use the secure Labor Market Outcomes Dashboard:

ANALYSIS OF PROGRAM SUCCESS

The Department of Architecture is interested in tracking the success of a grant program they implemented three years ago to reduce the debt accumulated by students.

CREDENTIALS OF VALUE ANALYSIS

The Director of Career Services is interested in the top industries that Music majors go into over the past five years and what the average salaries are for their first year.

TREND ANALYSIS

The Director of IR has been asked to find programs with the lowest increase in wages between year one and year five.

Support and Feedback

Dedicated Scheduling Resource

To receive individual support as you gain access to the Secure Data Portal and Dashboards, please feel free to schedule a time that is convenient for you to discuss.

TECH SUPPORT

Our team will provide support as you create your account, log in to the Secure Data Portal, and request access to the appropriate dashboards.

ACCESS APPROVAL

Our team will approve data access during office hours so you have the opportunity to review the dashboard in real time and ask questions.

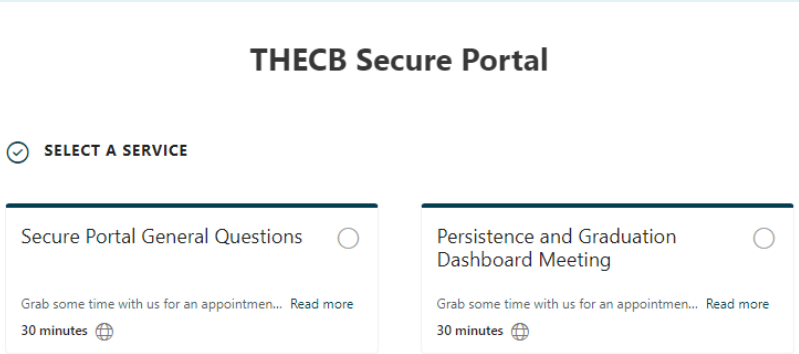
DASHBOARD QUESTIONS

Our team will be available to answer general dashboard questions or move to a private breakout room to answer questions specific to your institution's data.

OFFICE HOURS TEAMS INFORMATION

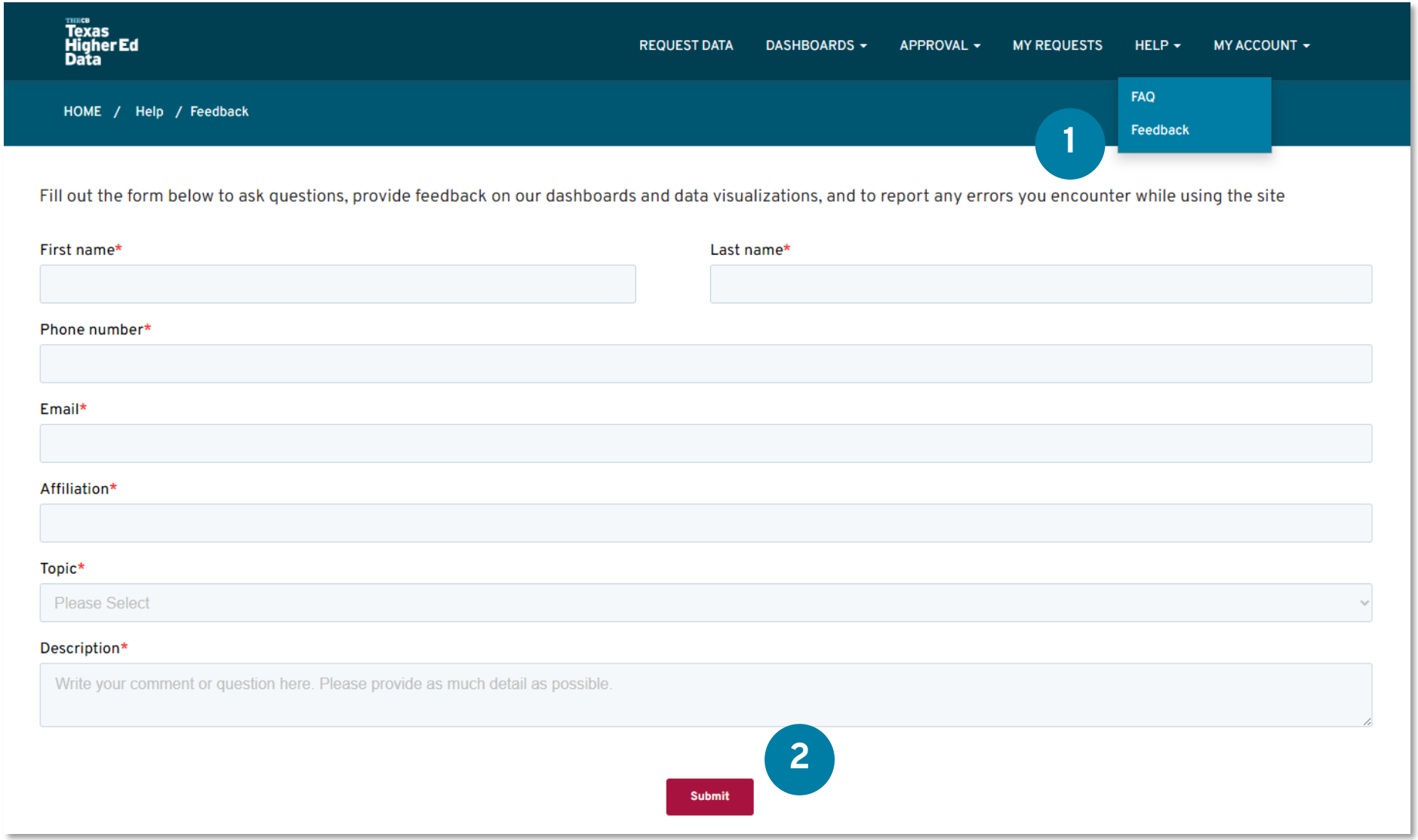
Schedule time with the team to discuss specific questions, needs, provide feedback.

https://outlook.office365.com/owa/calendar/THECBSecurePortal@thecb.onmicrosoft.com/bookings/



Share Feedback

THECB welcomes feedback regarding your experience with the Secure Data Portal and Dashboards. To provide feedback, select **Help** from the navigation bar and then select **Feedback**. Fill out the form and **Submit**.



THECB Secure Dashboard Feedback

https://forms.office.com/r/RnaDjP8gVZ

Pre-Institute Evaluation

- PSEO:
- https://lehd.ces.census.gov/applications/pseo/
- Texas Talent Trajectory:
- https://databridge.highered.texas.gov/the-texas-talent-trajectory/

Questions?

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