Dashboard Demonstration: Using the New AEL Enrollments Report

2021 AEL Fall Institute
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Overview

- Acronyms and Key Terms

- Background
  - What is the Enrollments Report?
  - Excel version of the Total Enrollments-Contracted Report

- Tableau Enrollments Dashboards
  - What is Tableau?
  - Development process
  - Documentation
  - Dashboard Demonstration

- Beyond Enrollments

- Questions?

Acronyms and Key Terms

- TWC: Texas Workforce Commission.

- DOI: Division of Operational Insight.

- EDW: DOI's enterprise data warehouse.

- TEAMS: Texas Educating Adults Management System. The data management system for federally funded adult education and literacy programs in Texas.

- SPSS: IBM SPSS Statistics is software used to work with data and run statistical analysis.

- Tableau: Interactive data visualization software.

- Dashboard: Collection of data visualizations that provide information on a specific topic.
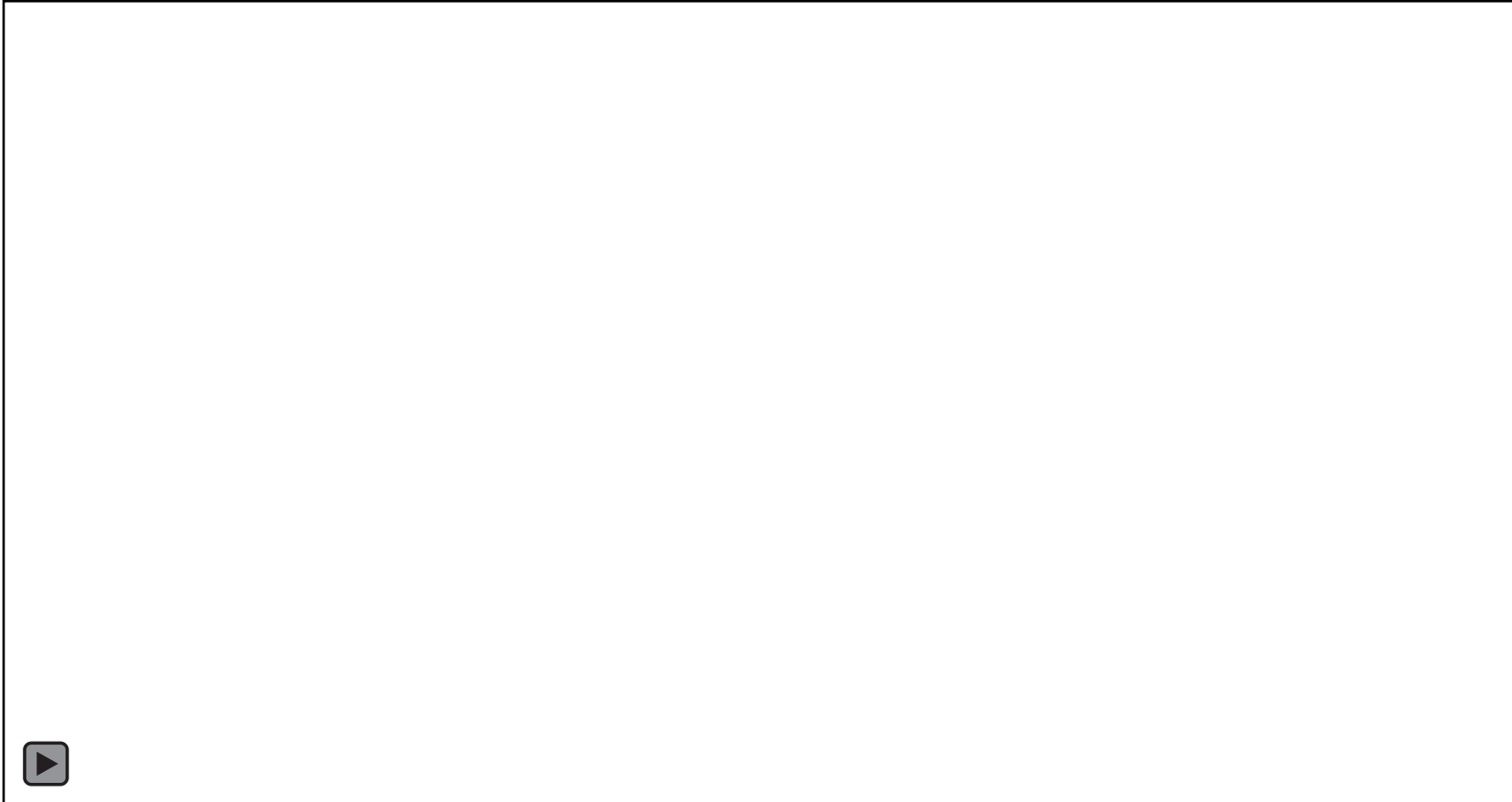
What is the Enrollments Report?

Excel Version of the Enrollments Report

- Total Enrollments-Contracted in Excel

  - Distributed as a Microsoft Excel file.

  - Provides enrollments and performance information for contracted measures broken down by Grantee.

  - Includes a separate tab for each enrollment measure.

  - Updated each month following the data entry deadline using a partially automated process.

- How it's made

  1. Tables extracted from TEAMS

  2. Data from tables processed in SPSS

  3. Final output presented in Excel

5

Enrollments Report in Excel

What is Tableau?

- Tableau…
  - is an analytics platform used to create interactive data visualizations.
  - allows multiple visualizations to be combined into a single dashboard.
  - enables the user to easily manipulate data visualizations to dig into the data and find the answers they need.

- Combining Tableau with the EDW allows us to automate the reporting process while providing the user with a more dynamic way to interact with reports.

Tableau version of the Enrollments Report

- Total Enrollments-Contracted in Tableau
    - Available as a web-based dashboard. Anyone with credentials can sign in and view the report online.
    - Provides enrollments and performance information for contracted measures that can be broken down using a variety of filters.
    - Can be updated daily as data is refreshed in the EDW.

- How it's made
    1. TEAMS data loaded into the EDW
    2. Data is processed in the EDW
    3. Tableau pulls data from table in the EDW

Enrollments Tableau Dashboards

- Two dashboards for Enrollments: Statewide dashboard and Grantee/Provider dashboard.

- Statewide Enrollments Dashboard

  - Enrollments and Performance information at the statewide level.

  - All users with credentials can view the Statewide dashboard.

- Grantee/Provider Enrollments Dashboard

  - Performance information at the Grantee level. Enrollments down to the class level.

  - Users with credentials will only see their information related to their Grantee/Provider/Site/Class.

Documentation

- Tableau User Guide (https://www.twc.texas.gov/files/students/tableau-user-guide-ael-twc.docx)

  - General information and guidance for using Tableau.

- Statewide Dashboard User Documentation (https://www.twc.texas.gov/files/students/user-documentation-ael-enrollments-statewide-report-twc.docx)

  - Detailed information about the Statewide version of the Enrollments dashboard including a description of the methodology used to create the report, fields included in the dataset, and download instructions.

- Grantee Dashboard User Documentation (https://www.twc.texas.gov/files/students/user-documentation-ael-enrollments-grantee-report-twc.docx)

  - Detailed information about the Statewide version of the Enrollments dashboard including a description of the methodology used to create the report, fields included in the dataset, and download instructions.

Dashboard

The following sections include video demonstrations of the Statewide and Grantee/Provider Enrollments dashboards. The videos do not include audio.

Disclaimer

- The dashboards in this presentation use fake data and do not reflect real Grantee/Provider enrollments or performance.

- Grantee, Provider, Site, and Class names and IDs were generated for this presentation and do not correspond to real Grantees, Providers, Sites, or Classes.

- Participant data, including demographic information, were generated for this presentation and have no correlation to real student data.

Statewide Enrollments Dashboard

The following two slides include short videos demonstrating the Statewide Enrollments Dashboard's two tabs: Getting Started and Statewide Overview.

Statewide Enrollments Dashboard: Getting Started

Statewide Enrollments Dashboard: Statewide Overview

Grantee/Provider Enrollments Dashboard

The following four slides include short videos demonstrating the Grantee/Provider Enrollments Dashboard's four tabs: Getting Started, Enrollments, Performance, and Participant Information.

Grantee/Provider Enrollments Dashboard: Getting Started

Grantee/Provider Enrollments Dashboard: Enrollments

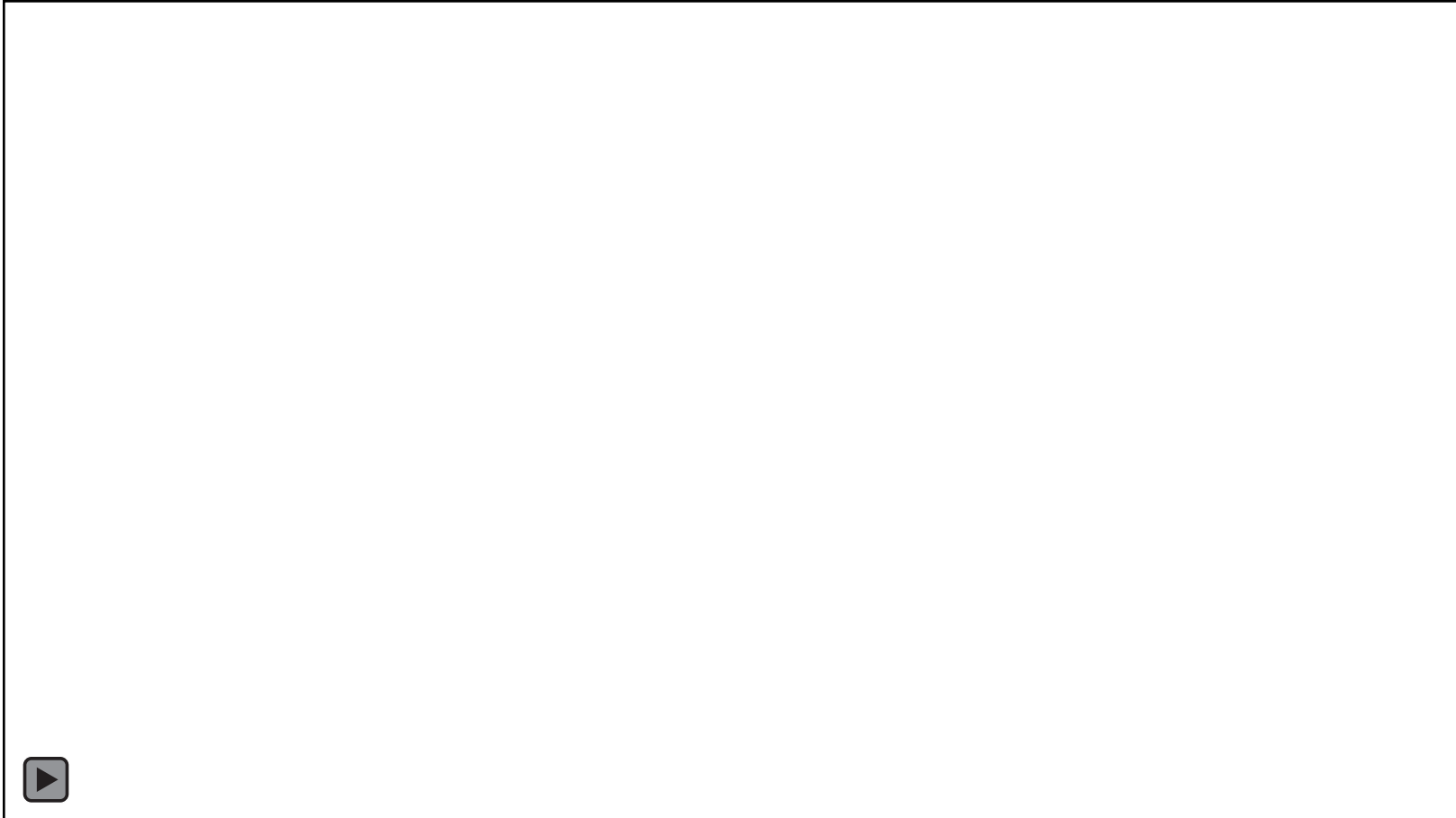# Grantee/Provider Enrollments Dashboard: Performance

Grantee/Provider Enrollments Dashboard: Participant View

Plans Beyond Enrollments

- The next two reports that will be developed using the EDW and Tableau are Measurable Skills Gains (MSG) and the AEL Monthly Performance Report (MPR).

- Once MSG and AEL MPR are complete, quarterly/exit based measures dashboards will be developed.

Questions?

Contact Information

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