MLDS Center
Maryland Longitudinal Data System

Better Data • Informed Choices • Improved Results

Montgomery College Data Summit

August 22, 2018

Ann T. Kellogg

WHAT does the MLDS Center do?

- **Develop** and **maintain** a data system that will contain student and workforce data from all levels of education and the State's workforce.

- Use the system to **generate timely and accurate information** about **student performance** that can be used to **improve the State's education system and guide decision makers at all levels**.

HOW is the MLDS governed?

Governor's Appointee

Secretary of Higher Education

President of Morgan State University

Secretary of the Department of Labor, Licensing, and Regulation

State Superintendent of Schools

Chancellor of the University System

President of the Maryland Independent Colleges and Universities Association

Governor's Appointee

Expert in large data systems and data security

Governor's Appointee

Representative of local Superintendents of Schools

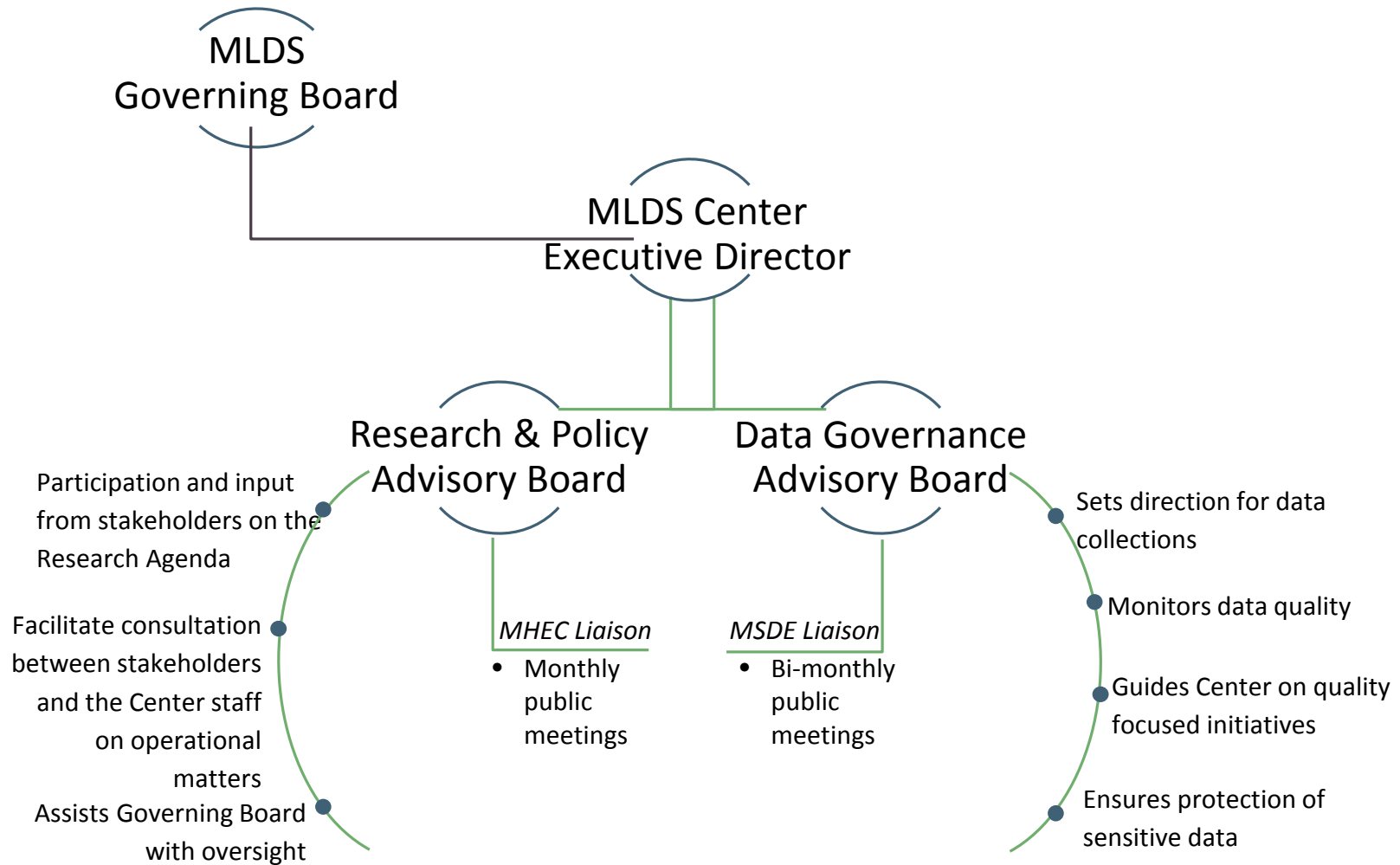Executive Director of the Maryland Association of Community Colleges

MLDS Governing Board

Established in state law for creating and managing the MLDS
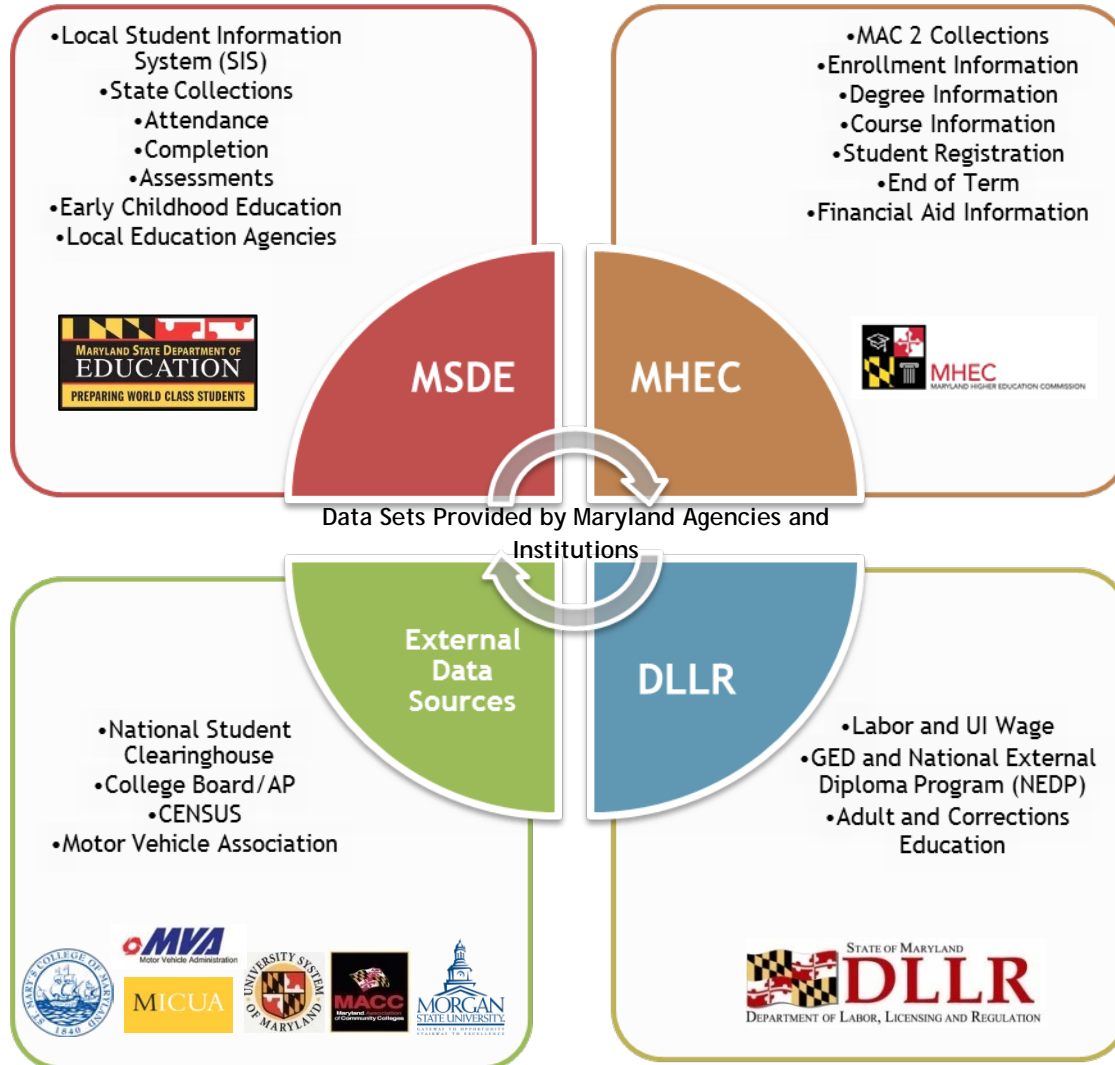
12 Member Board of education and workforce leaders

Makeup of Board ensures the success of the MLDS

![MLDS Center — Maryland Longitudinal Data System]

HOW does the MLDS Center Engage Stakeholders?

MLDS Governing Board

MLDS Center Executive Director

Research & Policy Advisory Board

Participation and input from stakeholders on the Research Agenda

Facilitate consultation between stakeholders and the Center staff on operational matters

Assists Governing Board with oversight

MHEC Liaison
- Monthly public meetings

Data Governance Advisory Board

MSDE Liaison
- Bi-monthly public meetings

Sets direction for data collections

Monitors data quality

Guides Center on quality focused initiatives

Ensures protection of sensitive data

WHAT data are collected?

MLDS Data Delivery System

MSDE
- Local Student Information System (SIS)
- State Collections
  - Attendance
  - Completion
  - Assessments
- Early Childhood Education
- Local Education Agencies

MARYLAND STATE DEPARTMENT OF EDUCATION
PREPARING WORLD CLASS STUDENTS

MHEC
- MAC 2 Collections
- Enrollment Information
- Degree Information
- Course Information
- Student Registration
- End of Term
- Financial Aid Information

MHEC
MARYLAND HIGHER EDUCATION COMMISSION

External Data Sources
- National Student Clearinghouse
- College Board/AP
- CENSUS
- Motor Vehicle Association

MVA Motor Vehicle Administration
ST. MARY'S COLLEGE OF MARYLAND 1840
MICUA
UNIVERSITY SYSTEM OF MARYLAND
MACC Maryland Association of Community Colleges
MORGAN STATE UNIVERSITY

DLLR
- Labor and UI Wage
- GED and National External Diploma Program (NEDP)
- Adult and Corrections Education

STATE OF MARYLAND
DLLR
DEPARTMENT OF LABOR, LICENSING AND REGULATION

Data Sets Provided by Maryland Agencies and Institutions

HOW is privacy protected?

- ○ **ONLY de-identified** data in the analysis, research and reporting

- ○ **ONLY aggregate** data in reports and other information released

- ○ **LIMITS** the **linkage** of data to 20 years from the date of the latest attendance in an education institution in Maryland

- ○ **REQUIRES** a **Data Security and Safeguarding Plan**
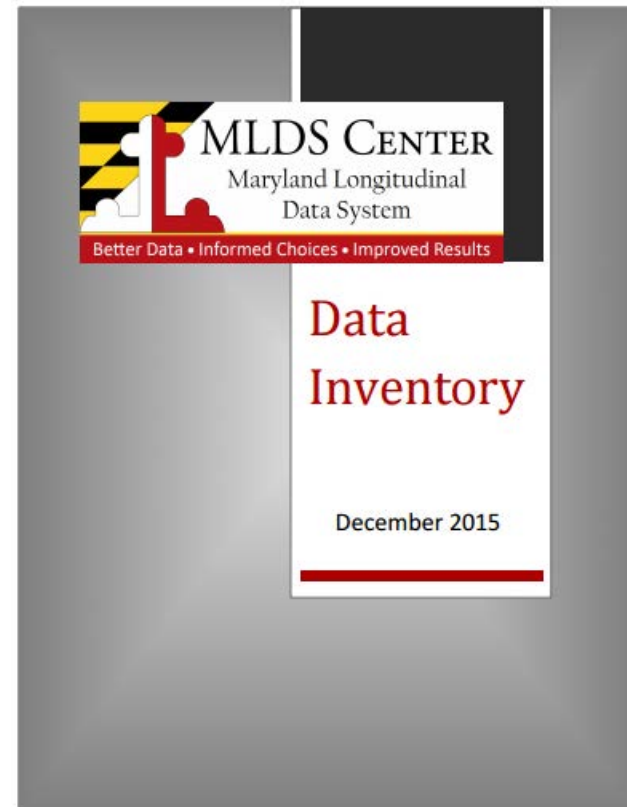
- ○ **REQUIRES** security and privacy **audits**

HOW is the MLDS secured?

○ Strict adherence to **legal limitations** placed on system access and use;

○ A system design that secures and **limits access** to personally identifiable data; and

○ Ongoing compliance with security requirements developed by the Governing Board.

HOW are the data classified?

○ Data Inventory
  - ○ Data elements provided by agency partners
  - ○ Approved by the MLDS Governing Board
  - ○ Informs the general public about the contents of the MLDS
  - ○ Definitions developed from agency partner terminology

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Data
Inventory

December 2015

HOW are the data used?

○ Governing Board has created a 20 question **Research Agenda**

○ Research Agenda focuses on **Transitions**

○ All Research must be **Cross-Sector/Cross-Agency**

○ Research Agenda Categories

   A. K-12 Readiness

   B. Postsecondary Readiness and Access

   C. Postsecondary Completion

   D. Workforce Outcomes

HOW are data linked?

✓ Education → Workforce

✗ Workforce → Education

✓ Education → Workforce → Education

Center Output

Produce relevant information for stakeholders through dashboards, data requests, and reports

Dashboards

Reports

Pathways

Presentations

Data Requests

Employment

Dual-Enrollment

Major-Selection

Academic-Preparation

Part-Time

Nursing CTE

Teachers Math AP-Credit

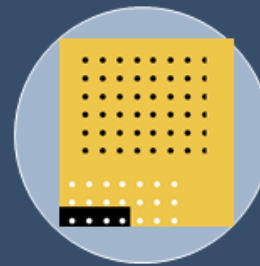Language Computer-Science

Science STEM

Graduation-Rates

Research and Output Priorities, 2018-2019

Output Priorities

Other Required Projects
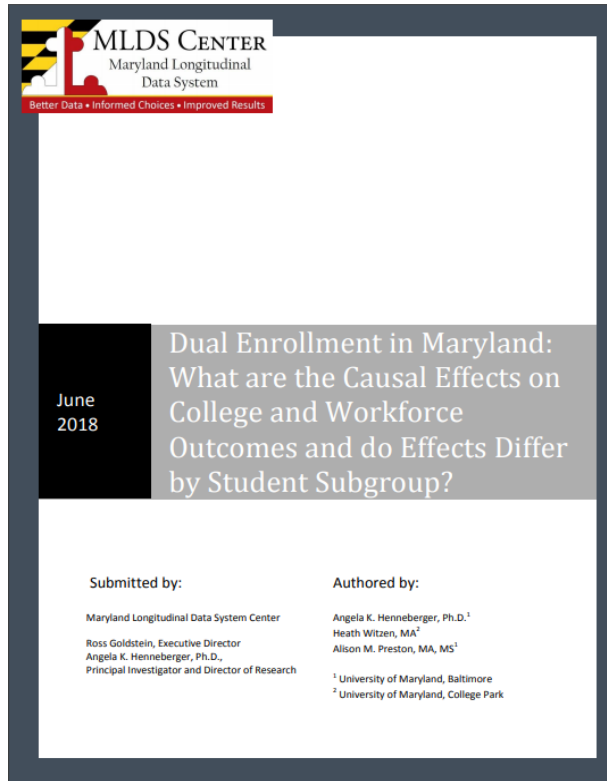
Updates to Existing Output

Project Partnerships

Research and Reporting Priorities, 2018-2019

Examples of MLDS Center Current and Future Projects

HOW are Community College data used: Reports and Presentations

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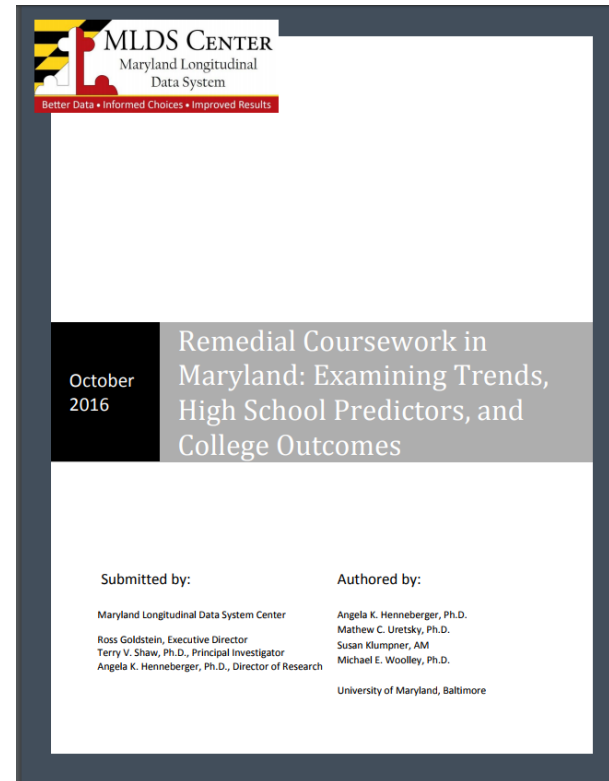Better Data • Informed Choices • Improved Results

June 2018

Dual Enrollment in Maryland: What are the Causal Effects on College and Workforce Outcomes and do Effects Differ by Student Subgroup?

Submitted by:

Maryland Longitudinal Data System Center

Ross Goldstein, Executive Director
Angela K. Henneberger, Ph.D.,
Principal Investigator and Director of Research

Authored by:

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October 2016

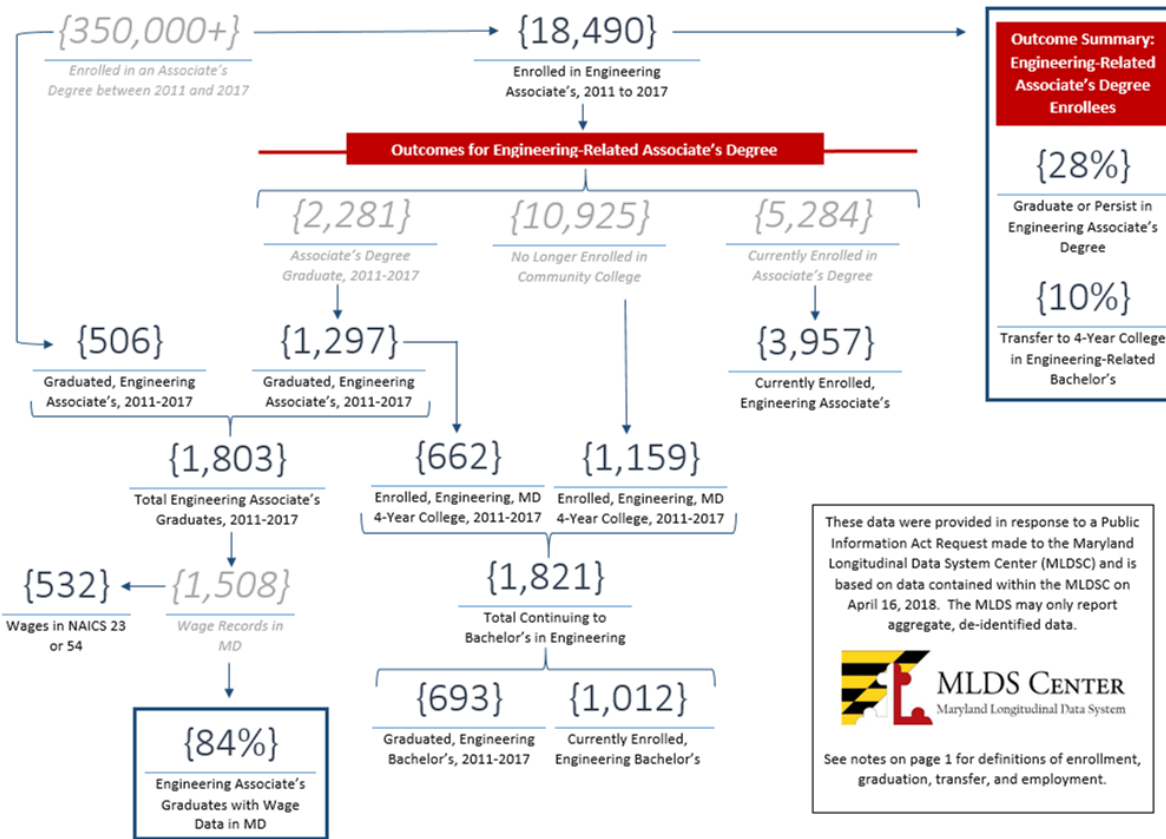Remedial Coursework in Maryland: Examining Trends, High School Predictors, and College Outcomes

Submitted by:

Maryland Longitudinal Data System Center

Ross Goldstein, Executive Director
Terry V. Shaw, Ph.D., Principal Investigator
Angela K. Henneberger, Ph.D., Director of Research

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Susan Klumpner, AM
Michael E. Woolley, Ph.D.

University of Maryland, Baltimore

HOW are Community College data used: Dashboards

Students Who Initially Enroll in a Maryland Community College

Wages Summary Over Time

Academic Year 2008-2009

Group 1: Students who graduated with a degree or certificate at a Maryland Community College

Group 2: Students who persist toward a degree or certificate at a Maryland Community College

Group 3: Students who stopped attending and did not complete a degree or certificate at a Maryland Community College

Group 4: Students who transferred to a 4-year public or independent institution and graduated

Group 5: Students who transferred to a 4-year public or independent institution and persist toward a degree or certificate

Group 6: Students who transferred to a 4-year public or independent institution and did not complete a degree or certificate

Initial Postsecondary Enrollments - Type of Institution

Initial Postsecondary Enrollments - Type of Institution Overview

High School Graduation Years 2007-2008 through 2013-2014

Maryland other private institutions

Maryland State aided independent institutions

Maryland Public Institutions

Maryland Community Colleges

HOW are Community College data used: Pathways

{350,000+}
Enrolled in an Associate's Degree between 2011 and 2017

{18,490}
Enrolled in Engineering Associate's, 2011 to 2017

Outcome Summary: Engineering-Related Associate's Degree Enrollees

{28%}
Graduate or Persist in Engineering Associate's Degree

{10%}
Transfer to 4-Year College in Engineering-Related Bachelor's

Outcomes for Engineering-Related Associate's Degree

{2,281}
Associate's Degree Graduate, 2011-2017

{10,925}
No Longer Enrolled in Community College

{5,284}
Currently Enrolled in Associate's Degree

{506}
Graduated, Engineering Associate's, 2011-2017

{1,297}
Graduated, Engineering Associate's, 2011-2017

{3,957}
Currently Enrolled, Engineering Associate's

{1,803}
Total Engineering Associate's Graduates, 2011-2017

{662}
Enrolled, Engineering, MD 4-Year College, 2011-2017

{1,159}
Enrolled, Engineering, MD 4-Year College, 2011-2017

{532}
Wages in NAICS 23 or 54

{1,508}
Wage Records in MD

{1,821}
Total Continuing to Bachelor's in Engineering

{84%}
Engineering Associate's Graduates with Wage Data in MD

{693}
Graduated, Engineering Bachelor's, 2011-2017

{1,012}
Currently Enrolled, Engineering Bachelor's

These data were provided in response to a Public Information Act Request made to the Maryland Longitudinal Data System Center (MLDSC) and is based on data contained within the MLDSC on April 16, 2018. The MLDS may only report aggregate, de-identified data.

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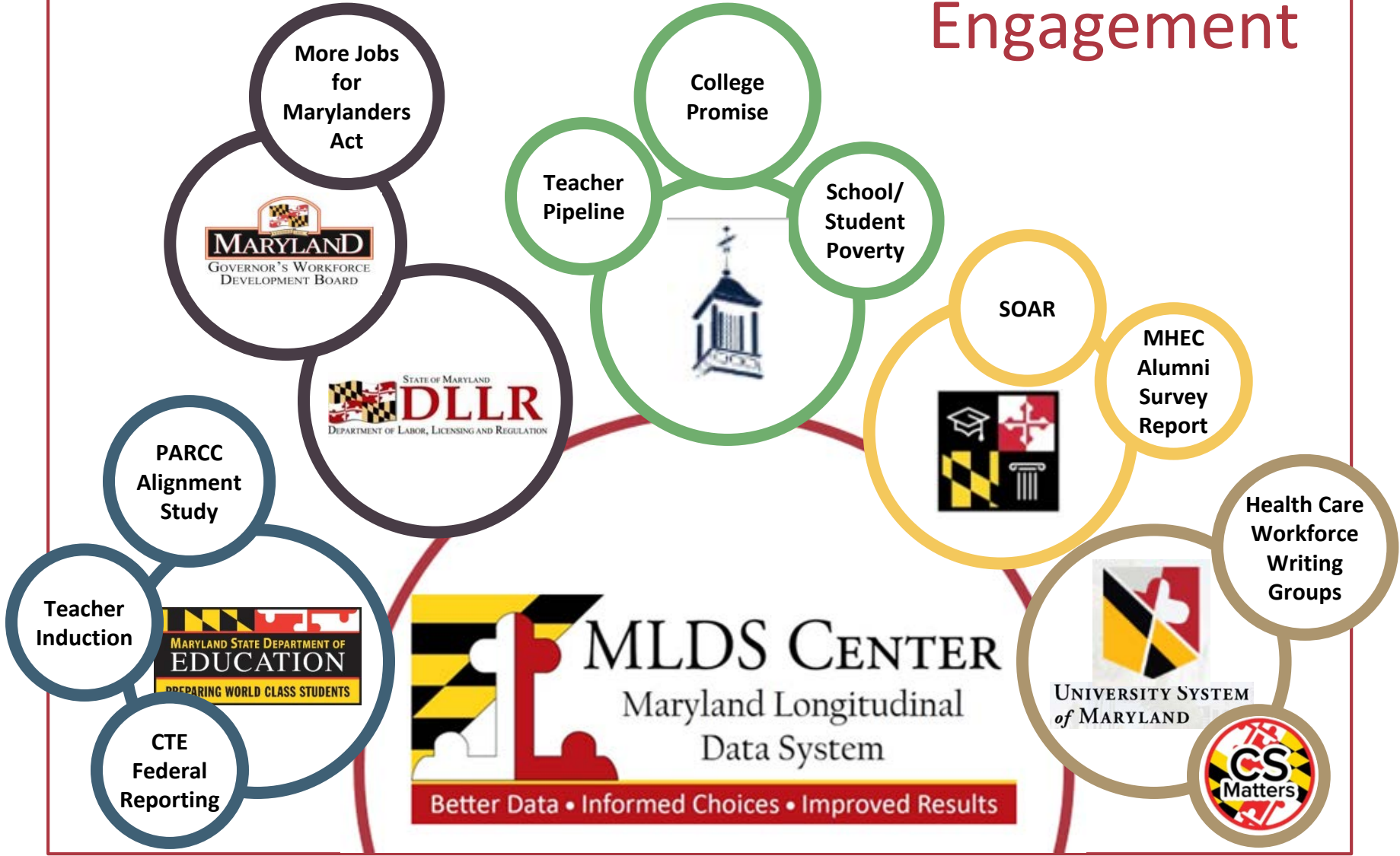See notes on page 1 for definitions of enrollment, graduation, transfer, and employment.

MLDSCenter.Maryland.gov

- What are the outcomes for students enrolled in the Associate's of Science in Engineering?

- What are the outcomes for students enrolled in the Associate's of Art in Teaching?

16

Collaborative Engagement

More Jobs for Marylanders Act

College Promise

Teacher Pipeline

School/ Student Poverty

SOAR

MHEC Alumni Survey Report

Health Care Workforce Writing Groups

PARCC Alignment Study

Teacher Induction

CTE Federal Reporting

MARYLAND GOVERNOR'S WORKFORCE DEVELOPMENT BOARD

STATE OF MARYLAND DLLR
DEPARTMENT OF LABOR, LICENSING AND REGULATION

MARYLAND STATE DEPARTMENT OF EDUCATION
PREPARING WORLD CLASS STUDENTS

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UNIVERSITY SYSTEM of MARYLAND

CS Matters

How can we help you?

More information

http://mldscenter.maryland.gov

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