Today's PDP Partner Facilitators

Laurie Heacock

Senior Advisor,
Data & Analytics
Achieving the Dream

Dr. Lisa Stich

Senior Specialists,
Data Partnerships
National Student Clearinghouse

Learning Outcomes:

As a result of attending this session participants will be able to:

• State why the Postsecondary Data Partnership was formed to answer the call for better data on the student experience

• Identify the student characteristics in the PDP that can be examined with an intersectional lens to better understand racial equity

• Articulate how the PDP can support a data culture and equity-minded sense-making

• Explore dashboards features through a demo

• Access the PDP website and resources to learn more

Postsecondary Data **Partner**ship

584 institutions

Includes 18 State Systems, 126 HSIs, 24 HBCUs, 27 TCUs

5.8 million students

~26% of 2- and 4-year postsecondary undergraduate students

50 states plus District of Columbia and Puerto Rico

Estimates as of August 24, 2021

Postsecondary Data **Partner**ship

AASCU American Association of State Colleges and Universities — Delivering America's Promise

Achieving the Dream™

¡Excelencia! IN EDUCATION!

ASSOCIATION OF PUBLIC & LAND-GRANT UNIVERSITIES

NWCCU NORTHWEST COMMISSION ON COLLEGES AND UNIVERSITIES

SACS COC™

20 Gardner Institute — Celebrating 20 Years of Excellence

YES WE MUST COALITION — COLLEGE SUCCESS FOR ALL

gia GROWING INLAND ACHIEVEMENT — Working Together for Inland Educational & Economic Success

The Charles A. Dana Center

COMPLETE COLLEGE AMERICA

PARTNERSHIP FOR COLLEGE COMPLETION — Accelerating action to close the graduation gap

JFF

AMERICAN INDIAN COLLEGE FUND — EDUCATION IS THE ANSWER

SHEEO

FRONTIER SET

gia

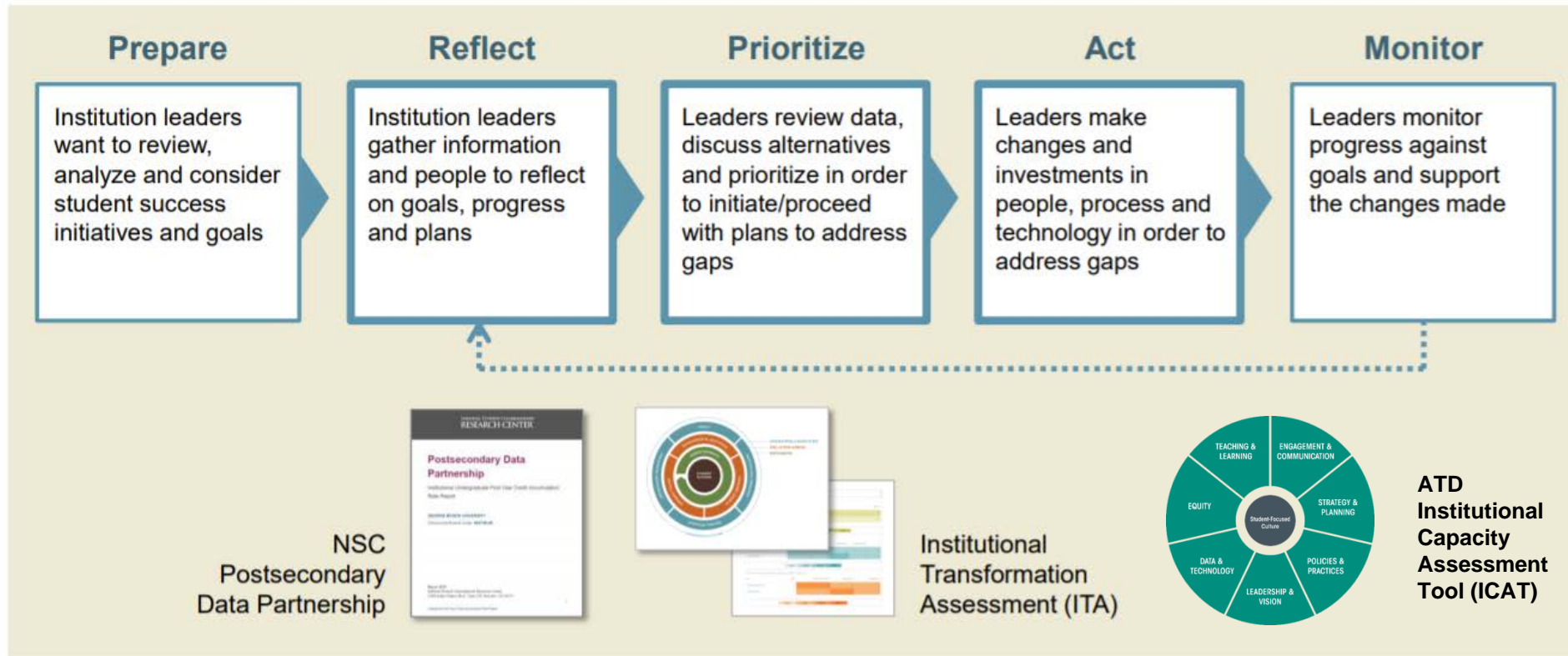Student Success Center NETWORK

CULTURE

DEFINITION OF TRANSFORMATION

A **TRANSFORMING INSTITUTION** CONTINUALLY BUILDS ITS CAPACITY TO ACHIEVE EQUITABLE STUDENT OUTCOMES AT SCALE.

Source: Bill & Melinda Gates Foundation

Data-Informed Resources and Tools to Support Transformation

Source: Bill & Melinda Gates Foundation
Adapted to include ICAT

What is a Culture of Evidence and Inquiry?

CULTURE OF EVIDENCE

- Data are for external accountability (e.g., reporting, accreditation)
- Data are in the hands of institutional researchers
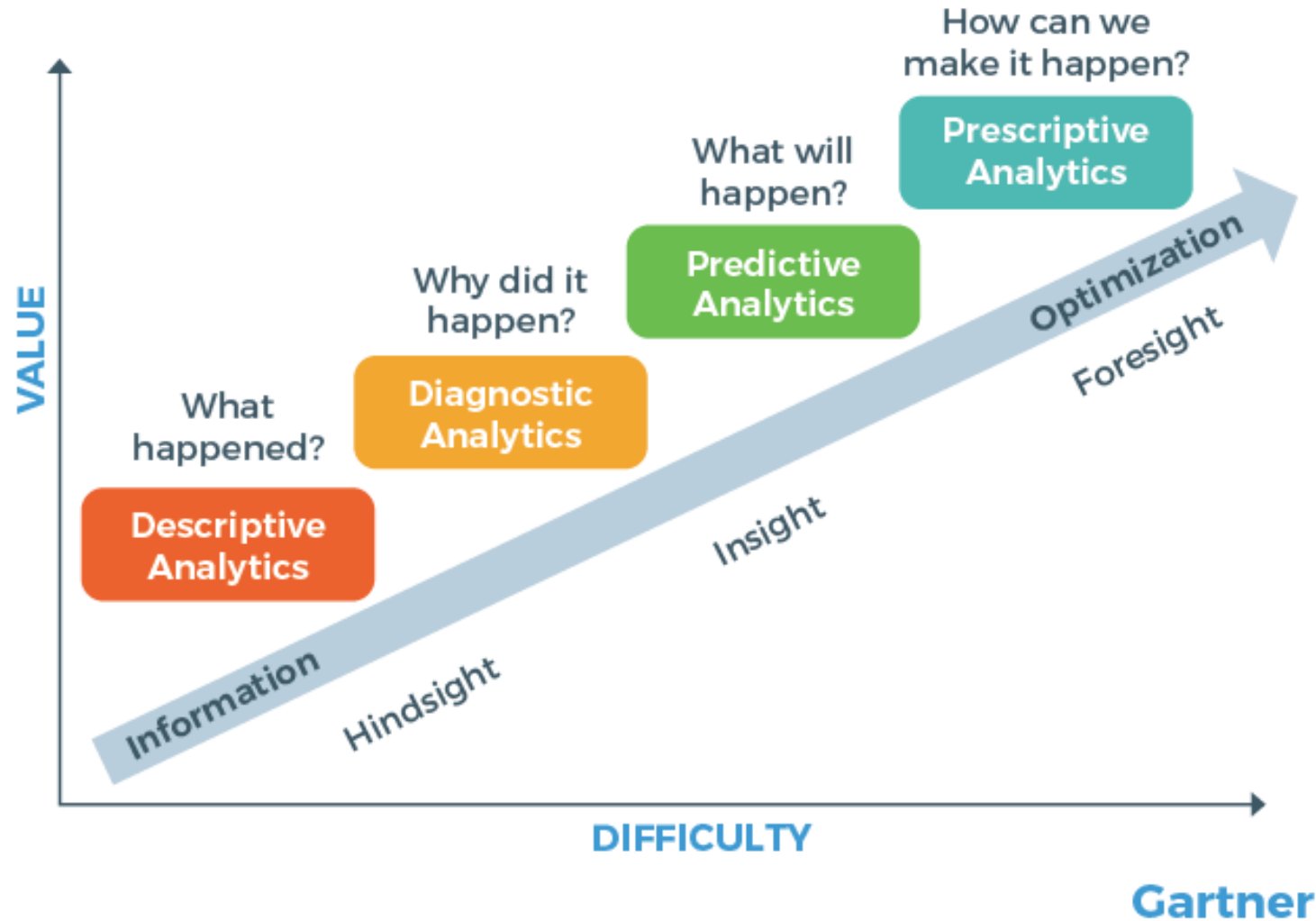- Data are objective and speak for themselves

CULTURE OF INQUIRY

- Data are for institutional accountability and racial equity
- Data are in the hands of all practitioners
- Data are part of a process of critical inquiry, reflection, and change

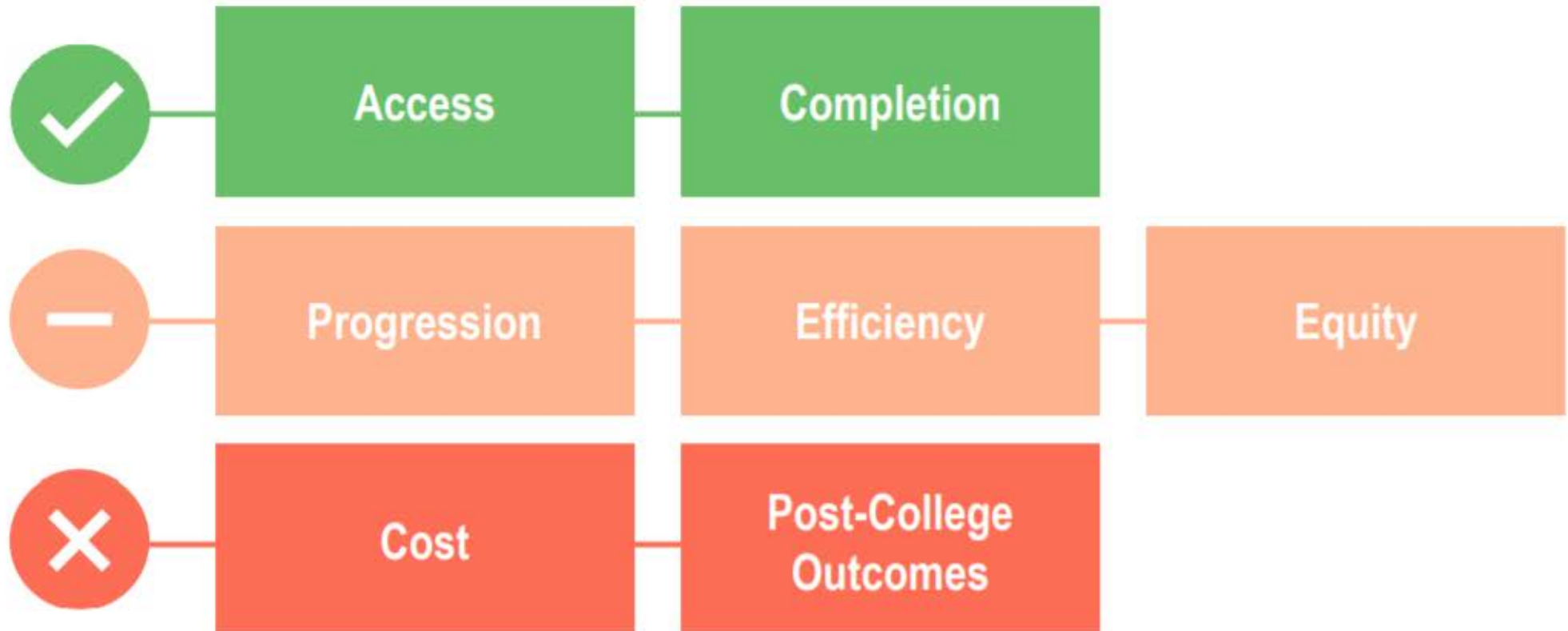Source: CUE Equity-Minded Inquiry Series Data Tools

Analytic Value Escalator

How can we
make it happen?

**Prescriptive
Analytics**

What will
happen?

**Predictive
Analytics**

Why did it
happen?

**Diagnostic
Analytics**

What
happened?

**Descriptive
Analytics**

VALUE

Optimization

Foresight

Insight

Information

Hindsight

DIFFICULTY

Gartner

?

Which question does your institution focus most on when examining data?

THE WHY

Wanted: **Better Measures** for Better Decisions

MISSING METRICS MISREPRESENT SUCCESS

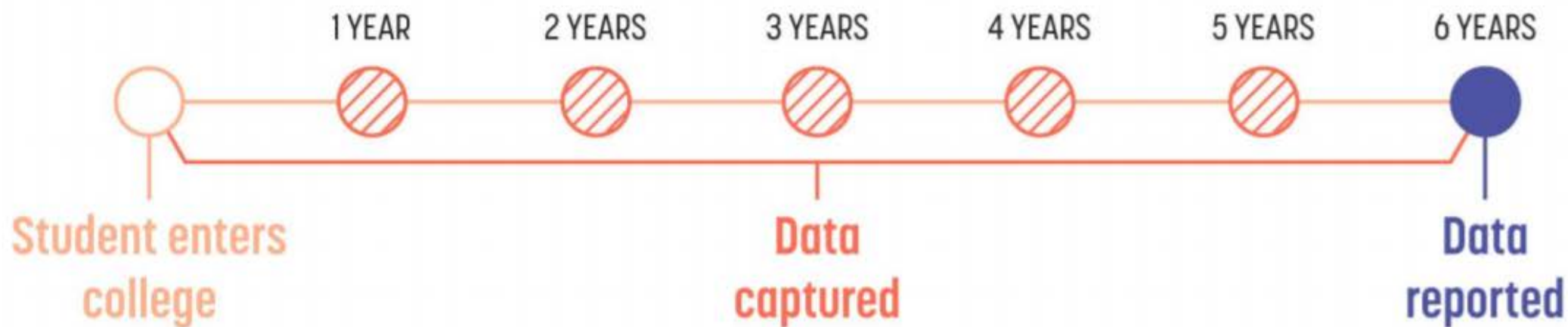*Metrics measured by major data initiatives fail to consistently measure what matters most to students.*

✓	Access	Completion	
-	Progression	Efficiency	Equity
✗	Cost	Post-College Outcomes	

Wanted: **Timely Data** for Better Decisions

TOO LITTLE TOO LATE

The typical lag between student enrollment and the reporting of most outcomes data.

| | 1 YEAR | 2 YEARS | 3 YEARS | 4 YEARS | 5 YEARS | 6 YEARS |

Student enters college

Data captured

Data reported

Source: CCA Better Data, Better Decisions

Source: Bill & Melinda Gates Foundation

Metrics Landscape Analysis

PDP=Solution to Scale Field-Driven Metrics Framework

	Access	Progression	Completion	Cost	Post-College Outcomes
Performance	• Enrollment	• Credit Accumulation • Credit Completion • Gateway Course Completion • Program of Study Selection • Retention • Persistence	• Transfer • Graduation • Success • Completers	• Net Price • Unmet Need • Cumulative Debt	• Employment • Earnings • Loan Repayment • Graduate Education • Learning Outcomes
Efficiency	• Expenditures per Student	• Cost of Uncompleted Credits • Gateway Completion Costs • Change in Revenue from Change in Retention	• Time/Credits to Credential • Costs of Excess Credits • Completions per Student	• Student Share of Cost • Expenditures per Completion	• Earnings Threshold
Equity	• Enrollment by at least Preparation, Income, Age, Race/Ethnicity	• Progression Performance at least by Preparation, Income, Age, Race/Ethnicity	• Completion Performance and Efficiency by at least Preparation, Income, Age, Race/Ethnicity	• Net Price and Unmet Need by at least Income • Debt by at least Income, Age, Race/Ethnicity, Completion Status	• Outcomes Performance and Efficiency by at least Income, Age, Race/Ethnicity, Completion Status

Key Student Characteristics

Academic Preparation
Age
Attendance Pattern
Degree-Seeking Status
Economic Status
Enrollment Status
First-Generation Status
Gender
Program of Study
Race/Ethnicity

Key Institution Characteristics

Degree/Program Mix
Diversity
Level
Modality
MSI Status
Nontraditional Populations
Resources
Sector
Selectivity
Size

13 Key Metrics Predictive of Completion

- *"These 13 metrics accurately **predict** a student's six-year credential completion status with an accuracy of approximately **80%**"*

- Community College Research Center

https://ccrc.tc.columbia.edu/publications/should-colleges-invest-machine-learning.html

First-Year Early Momentum Metrics (EMMs)

EMM 1: Earned 6+ college credits in the first term

EMM 2: Earned 12+ college credits in the first term

EMM 3: Earned 15+ college credits in the first year

EMM 4: Earned 24+ college credits in the first year

EMM 5: Earned 30+ college credits in the first year

EMM 6: Completed college math in the first year

EMM 7: Completed college English in the first year

EMM 8: Completed college math and English in the first year

EMM 9: Persisted from the first term to the second term

EMM 10: College credit pass rate

EMM 11: Attempted 15+ credits (any level) in the first term

EMM 12: Attempted 30+ credits (any level) in the first year

EMM 13: Earned 9+ credits in subjects that are related to the major in the first year

Average number of EMMs satisfied

Credit momentum

Gateway course momentum

Persistence momentum

Program momentum

Early Momentum Mindsets

Credit Momentum:
- From textbooks to use of Open Educational Resources
- From current semester schedule to full-program plan
- From scheduling available courses to scheduling plan courses
- From 16-week terms to shortened academic terms

Gateway Momentum:
- From standardized placement tests to multiple measures of placement
- From pre-requisite remediation to co-requisite remediation
- From one math gateway to multiple (algebra/calc, stats, quantitative reasoning)

Program Momentum:
- From job/transfer help for near completers to career exploration and planning from the start
- From general education to meta-majors/program clusters
- From Math and English gateways to critical program courses

THE DASHBOARDS: OVERVIEW & DEMO

Overview of Who is Counted:
The PDP counts more students because every student counts

EVERY NEW STUDENT
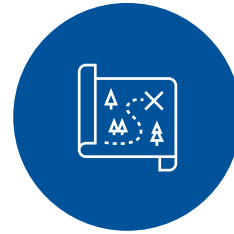
FIRST-TIME
TRANSFER-IN

FULL-TIME
PART-TIME

FORMERLY DUAL-ENROLLED
NEVER DUAL-ENROLLED

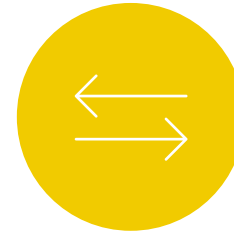**EVERY INSTITUTION**

PUBLIC
PRIVATE
TWO-YEAR
FOUR-YEAR

EVERY PART OF STUDENT JOURNEY

ENROLLMENT/PROGRESSION/COMPLETION/TRANSFER

EVERY TRANSFER

WITH/WITHOUT CERT/ASSOC

IN-STATE/OUT-OF-STATE

DIFFERENTIATE BETWEEN TRANSFER TO 2-YR AND 4-YR

TRANSFER AND EARNED BACHELOR'S

REVERSE TRANSFER

PERFORMANCE
EFFICIENCY
EQUITY

BALANCED SET OF METRICS

LEADING & LAGGING

The PDP Promotes an Intersectional Approach to Identify Students Experiencing Inequities

Ethnicity

First Gen

Gender

Math/Eng preparedness

Age

Pell-status

Prior college experience

Degree-seeking

Maria moves forward

⊘ November 11, 2019   👤 The Ranger   🗁 Feature   💬 0

Female

Latina

Typically comes to AC to transfer to a university

Works two part-time jobs

Raising 1 child

Typically health science major

Part time student
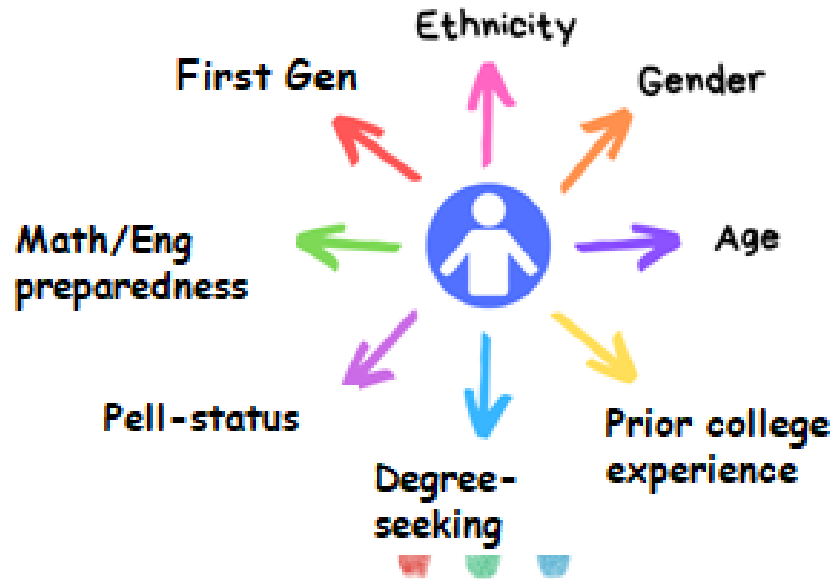
DASHBOARDS ENABLE USERS TO:

- Democratize access to data
- Monitor **Early Momentum Metrics (EMMs)**
- Identify equity gaps
- Assess impact of strategies on student success and on narrowing equity gaps
- Benchmark against peers across state lines

Enrollment	• Count of new undergraduate students
Gateway Course Completion (Gateway Momentum)	• Proportion of students who completed required college-level gateway courses in math and English in Year 1
Credit Accumulation Rate (Credit Momentum)	• Proportion of students who complete college-level credits in each of their first four years (For EMM, focus on Year 1)
Credit Completion Ratio (Credit Momentum)	• Ratio of college-level credits attempted to credits earned in Year 1
Retention/Persistence Term to Term (Persistence Momentum)	• Proportion of student still enrolled up to 8 terms at cohort or another institution (For EMM, focus on 1st term to 2nd term)
Transfer	• Rate students transfer to other institutions, and whether they earn a credential before/after transfer
Outcomes	• Proportion of students completing a credential at the cohort or other institution

Achieving the Dream™

USING THE PDP DATA TO SUPPORT YOUR DATA CULTURE

- Identify **data champions** among leadership and across campus to establish a **data culture** and increase data literacy

- Strengthen **data literacy** among campus shareholders

- Establish **unified metrics** across offices and a data dictionary with standard definitions, streamlined analysis to improve data literacy

- Develop **partnerships** to streamline data processes, including synthesis and governance

- Invest time and resources in access to and use of **high-quality data** on campus

https://ihep.org/publication/developing-a-data-informed-campus-culture/

The PDP Can Help You Have an Equity Talk and an Equity Walk

"Dashboards can be an effective tool for using and communicating data to advance equity when institutions provide the scaffolding that promotes equity-minded sensemaking."

RESOURCES

The Clearinghouse Postsecondary Data Partnership Website

AIR PDP Tutorials

Achieving the Dream:

PDP workshops at the ATD Data & Analytics Summit (virtual) and DREAM (hybrid) learning events

PDP Accelerator Data Use Course (Coming spring 2022)

Coaches