# Tracking Post-Completion Outcomes with Workforce Data

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# Agenda

What's driving our focus on post-completion outcomes and workforce data? Dashboards and use cases Acquiring data – processes and capacities Extensions and future work

### The new era of community colleges demands new data & tools



# Why are post-completion outcomes important to track?

More education typically leads to higher earnings, but there is significant variation across credential levels and programs of study.

Society is questioning the value of higher education and is concerned about student debt.

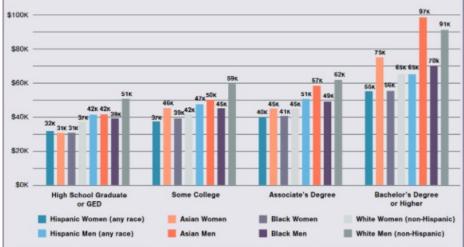
Informs future program and partnership expansion, continuous improvement of programs & employer engagement

Historically, ACC, and most colleges have relied of Labor Market Information (LMI, like Lightcast) and graduate follow-up surveys, which have some limitations.

### Postsecondary Value Commission Report

# VALUE COMMISSION

Median Earnings of Full-Time Workers 25-64, by Race, Gender, and Educational Attainment (2019)



Note: The Census does not publish income tables separately for Indigenous and Pacific Islander/Native Hawaiian populations. Data source: U.S. Census Bureau's Current Population Survey 2020 Annual Social and Economic Supplement, Personal Income Tables, PINC-03, reported personal income for 2019. Data for full-time, full-year workers aged 25-64. Retrieved from: https://www.census.gov/data/tables/time-series/demo/income-poverty/cps-pinc/pinc-03.html

#### Figure 3.2. Measuring Economic Returns Via Thresholds

#### Threshold

3

4

5

- Minimum Economic Return: A student meets this threshold if they earn at least as much as a high school graduate plus enough to recoup their total net price plus interest within ten years.
- Earnings Premium: A student meets this threshold if they reach at least median earnings in their field of study (or, if field of study data is unavailable, the median earnings for the institution's predominant degree type).<sup>1</sup>
- Earnings Parity: This threshold measures whether students of color, students from low-income backgrounds, and women reach the median earnings of their systemically more advantaged peers (White students, highincome students, or men).<sup>2</sup>
- Economic Mobility: This threshold measures whether students reach the level of earnings needed to enter the fourth (60th to 80th percentile) income quintile, regardless of field of study.
- Economic Security: While sufficient earnings can create a stable life, wealth is key to building the type of security needed to withstand life's financial shocks. This threshold therefore measures whether students reach median levels of wealth.
- Wealth Parity: Mirroring the earnings parity threshold, this threshold measures whether students of color, students from low-income backgrounds, and women reach the level of wealth attained by their more privileged White, high-income, or male peers.



#### Building a Talent Strong Texas

# **Credentials of Value**

**AIM:** By 2030, all degrees, certificates, and other credentials awarded by public institutions of higher education should be 'credentials of value' & every student should have the opportunity to complete a 'credential of value' with no or manageable debt.

#### **Draft Goal - Completion of Credentials of Value**

550,000 students completing credentials of value\* each year

#### **Draft Goal - No or Manageable Debt**

**95%** percent of students completing credentials of value\* at public institutions with no or manageable undergraduate student debt\*\*

\* Credentials of value are those where a student completing them sees a net positive return within 10 years relative to the earnings of a high school graduate

\*\*Manageable debt is that which an individual could reasonably pay off within 10 years given typical earnings for credential holders

Office of Institutional Rese

Texas Higher Education Coordinating Board

# ACC Chancellor Priority #4 - Help Central Texans get back to work and started on a career path by enhancing student opportunities for job entry and career progress.

Year I (AY2021): Enhance access to post-completions data

Year 2 (AY2022): Assess labor market outcomes of Fast Track programs in comparison to a living wage

## Dashboards & Custom Use Cases

# This presentation includes new data and analysis that presents opportunities and several caveats

- Few Texas community colleges are able to access employment and wage data at the award level.
- This is preliminary information based on a large, but incomplete, sample of students
- These data are a good start, but often lead us to more questions than answers

### Texas Unemployment Insurance Wage Records

#### Pros

- Precise wages, not self-reports
- Significant sample sizes, less selection bias
- Consistent reporting schedule
- The vast majority of Texas CC grads are employed in-state
- Longitudinal outcome tracking

#### Limitations

- Missing data for those employed out-of-state, self-employed, or with informal employment
- Occupation unknown
- Hours worked unknown

#### Office of Institutional Research and Analytics

#### Using State Workforce Data to Report Graduate Outcomes

#### Matt Bryant

#### Abstract

#### About the Author

#### Matt Bryant, tittel is a higher education consultant who specializes to strategic planning, program assessment, and performance reporting, reviews to the lighter, strategics, where he cannedly varias in the transferred and tradeot because doctore at strategic producting on choreaty.

#### Advowledgements

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# The Office of Institutional Research & Analytics has launched new Post Completion Outcomes Dashboards

3 new dashboards providing workforce data on our graduates:

- Employed before and after award completion
- 2. Wage improvement analysis
- 3. Median wage analysis

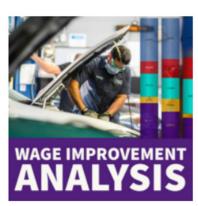
Texas Workforce Commission (TWC) Unemployment Insurance (UI) Wage Records



Post Completion Outcomes Dashboard - Workforce (TWC UI Data) Please make a selection below:



Employed Before & After Award



Wage Improvement Analysis:

Median Wage Analysis:



## Dashboard Demo

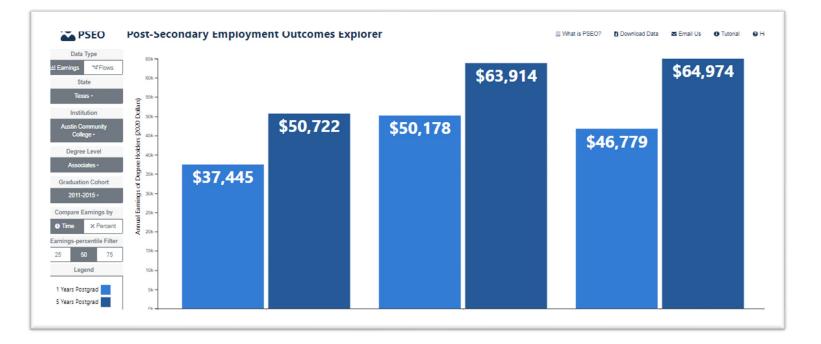
## How do the wage records compare to other data sources?

#### Validation

#### TX CREWS

#### PSEO from the Census Board

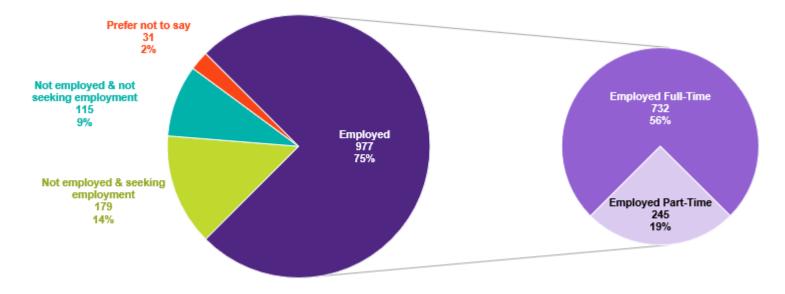
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### How do the wage records compare to other data sources?

#### Triangulation

Lightcast Labor Market Information Graduate follow-up survey



## Workforce Data

#### Use Cases

<ul> <li>Equity-focused &amp; initiative-specific outcome tracking</li> <li>Outcomes for older adults</li> <li>Identify low-income student population</li> <li>Outcomes for adult education/ GED/ College Prep programs</li> <li>Outcomes disaggregated by race and gender</li> </ul>	<ul> <li>Drive program improvement</li> <li>Program review</li> <li>Non-credit administrative assistant programs</li> <li>Build stackable pathways</li> <li>Fast Track Programs</li> </ul>
<ul> <li>Promote Hidden Gems</li> <li>High wages and growth potential in manufacturing programs, even very short-term programs</li> <li>Advising resources for students</li> </ul>	<ul> <li>Quality Enhancement Plan – SACS Accreditation</li> <li>Identifying low-wage programs, often with low digital fluency skills</li> <li>Evaluation</li> </ul>

### Example: Identifying low-income students



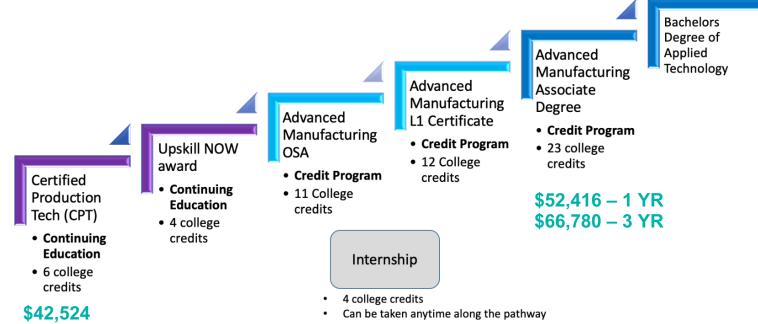
# 34% **Pell Recipients**

68% Food Insecure, Housing Insecure, or Homeless (Trellis Financial Wellness Survey)

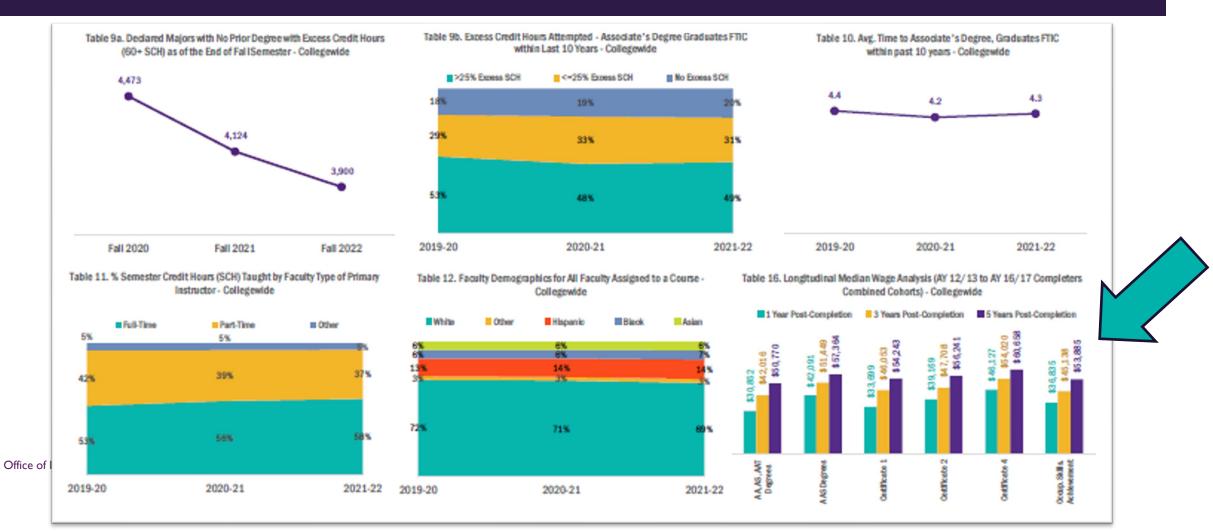
## Example: Stackable Pathways

#### Use Cases

# ACC Advanced Manufacturing Career Path



### Example: Department Snapshot



# Question: What other kinds of use cases are relevant for our work?

# Acquiring the Data

### Process



### Contract Terms

#### Allowable purposes

Physical security and electronic security

Servers

Encryption

**Employee access** 

Confidentiality and nondisclosure agreement

Reporting responsibilities in case of issues

Destruction of data

Audits

Cost

"Austin Community College (ACC) uses TWC Unemployment Insurance wage data to assess educational program outcomes for graduates, to examine employment trends of students and graduates, and to evaluate the impact of grant programs and initiatives on student outcomes. Data is obtained from TWC through offline records requests."

### Details

5 year agreements Contacts: Contracts Division of TWC (Christina Wilson, Christopher Murphy) Contract agreement: Available upon request – Jenna.CullinaneHege@austincc.edu

## Extensions & Future Work

Better Access

**Better Data** 

Better Internal Capacity for Research

- Texas only
- Full-time/part-time status
- Occupation

**Better Data** 

- Few Texas colleges have student-level data access
- Long delays
- Exploring connections with local workforce boards

Better Access

• ACC research agenda

Better Internal Capacity for Research

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**Better Data** 

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   data access
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•

 Exploring connections with local workforce boards

ACC research agenda

Better Access

#### Better Internal Capacity for Research



# Question: What other kinds of opportunities are there on the horizon related to workforce data?

# **Questions?** Comments?

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