



# Education Meets Opportunity Platform (EMOP) Overview

Updated: December 6, 2023



# EMOP came out of the 2021 REACH Act, and has been led by DOE, along with a multi-agency coalition



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*The platform provides FL agencies consistent data on all Florida credentialing programs (e.g., school districts, technical colleges, FCS institutions) and WIOA providers, as well as on the degree to which they are serving Florida's labor market, so agencies can make wise policy and resourcing decisions*

# 15+ Florida partners are now using EMOP, with plans to expand

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Florida's Workforce Education Initiative



# EMOP is an interactive data analytics tool with three main project components

## Data integration

- **Build data-layer components**, typically APIs, of currently existing state-agency sources of data (e.g., DOE, FloridaCommerce, DCF)
- **Standardize data collection** activities (e.g., Perkins V local needs assessment, CTE program audit)

## Data rationalization and analytics

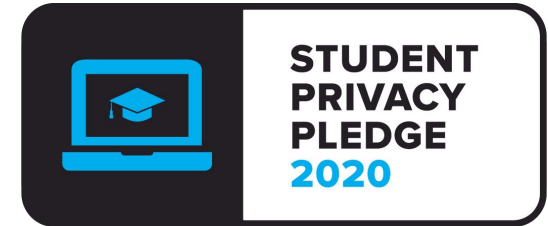
- **Define data to be combined**
- **Store data in a single place**
- **Standardize data into an agreed upon format** (e.g., rationalizing LinkUp job posting data with Florida's ETPL into CTDL)

## Data utilization (decision-making)

- **Visualize data** in dashboards for use by state agency team members
- **Create ad hoc reporting capability**

# Data security and privacy is our top priority

- Application providers do not see personally identifiable information (PII)
  - All PII is stored and integrated in a separate SOC II compliant data warehouse
  - Aggregate, de-identified data is delivered to the application
- EMOP is FERPA and COPPA compliant
- PAIRIN has signed the 2020 Student Data Privacy Pledge and has published on its website a Student Data Bill of Rights that PAIRIN and its partners are bound to comply with



# We chose a vendor coalition with expertise in data management and analytics, research, credentials, and change leadership to build EMOP



Prime contractor, central point of contact, project and change management, design, application, and dashboard development, partner coordination



Common credential description schema (CTDL) and open Registry for all credentials and providers in Florida



Data integrator, data warehouse designer / manager, dashboard developer, Managed Analytics Services provider



ROI measurement science, data lake and analytics consulting/design



CIP\* to SOC\*\* mapping

\* Classification of Instructional Programs

\*\* Standard Occupational Classification

# EMOP supports decision-making with data-driven, up-to-date information across four main topics

## Program Quality

Education and training program performance outcomes (e.g., retention, success, wage, and employment) to understand effectiveness in equipping Florida's residents for relevant employment

## Labor Market Insights

Real-time job posting counts by occupation (statewide, regionally, and by district) with degrees, skills, industry certifications and licenses, and wages as reported by employers

## Labor Supply & Demand

Long-term view of the extent to which Florida's education and training programs align to market needs

## Program ROI

Analysis comparing completion impact among Florida's postsecondary CTE programs on students' labor market activity and benefits received

... helping the state direct investment to programs that are the most aligned with labor market needs.

# Eight EMOP dashboards are either complete or will be by early 2024

3 of 5 live today

live today

by early 2024

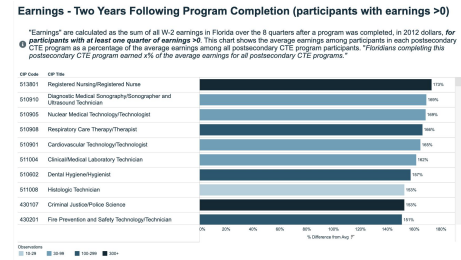
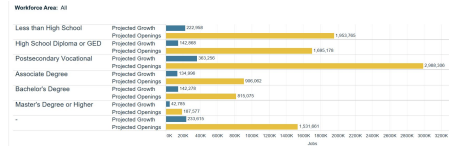
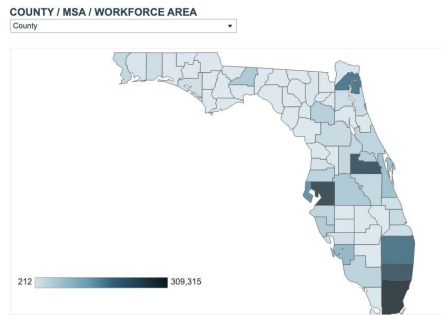
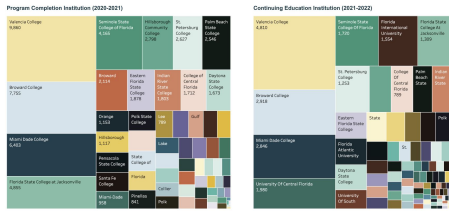
live today

## Program Quality

## Labor Market Insights

## Labor Supply & Demand

## Program ROI





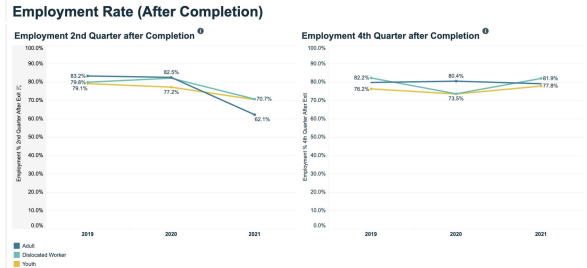
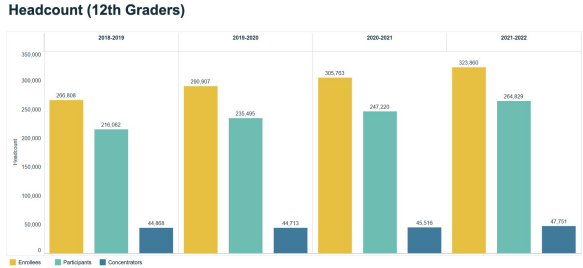
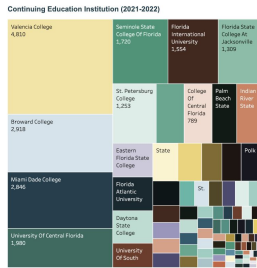
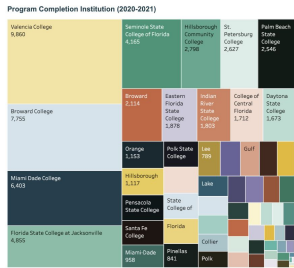
# Under Program Quality, five dashboards are planned with three available now and two in development

## Program Quality

Postsecondary CTE

Secondary CTE

WIOA



Vocational Rehabilitation

Adult Education

Coming early 2024

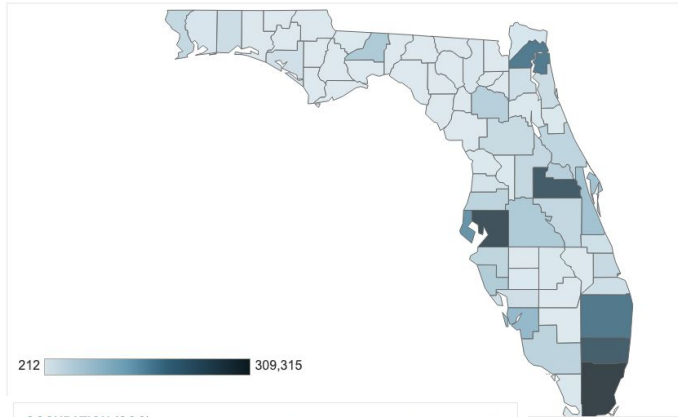
Coming early 2024

# Labor Market Insights (LMI)

## Job postings

COUNTY / MSA / WORKFORCE AREA

County



OCCUPATION (SOC) (All)

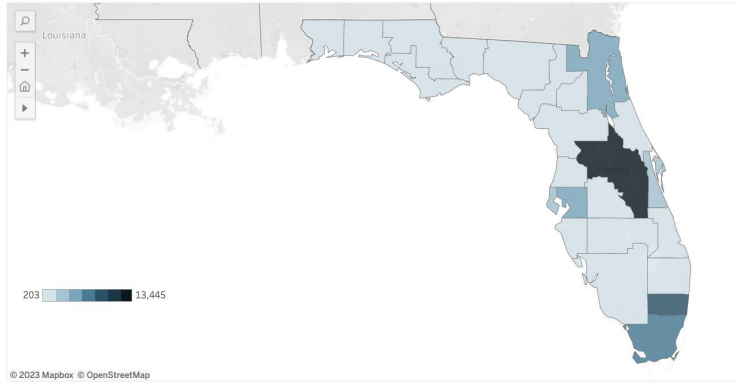
AT RISK ⚠️ BRIGHT OUTLOOK ☀️ GATEWAY 🏠

OCCUPATION (SOC)	JOB POSTINGS	JOI	DESIGNATIONS
Registered Nurses	167,379	100	☀️
Retail Salespersons	86,014	100	☀️ 🏠
Customer Service Representatives	70,667	99	☀️ 🏠
Sales Representatives, Wholesale and Manufacturing, Except T..	68,820	85	☀️ 🏠

- Real-time job posting counts by occupation (statewide, regionally, and by district) with associated
  - degrees,
  - skills,
  - industry certifications and licenses, and
  - wage trends reported by employers
- *Source: Lightcast daily job postings looking back one year*

# Program Quality - Postsecondary CTE

## FCS Full Program Completers by Workforce Area



Florida College System (FCS) and District technical college postsecondary CTE audit program performance, including

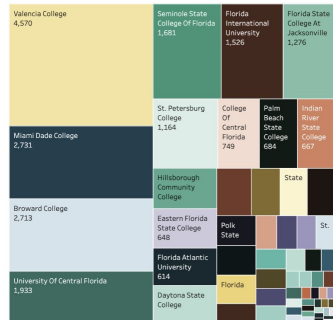
- enrollments,
- completions,
- year-to-year retention,
- success (degree/certificate, industry certification, and/or terminal OCP), and
- post-graduation outcomes (continuing education, employment, and wages)

## Program completion and continuing education institutions

Program Completion Institution (2020-2021)



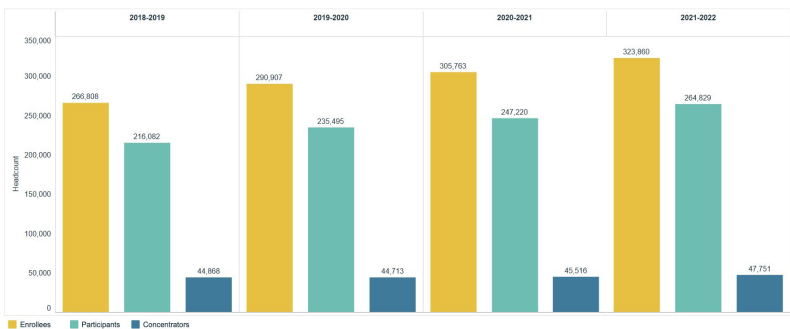
Continuing Education Institution (2021-2022)



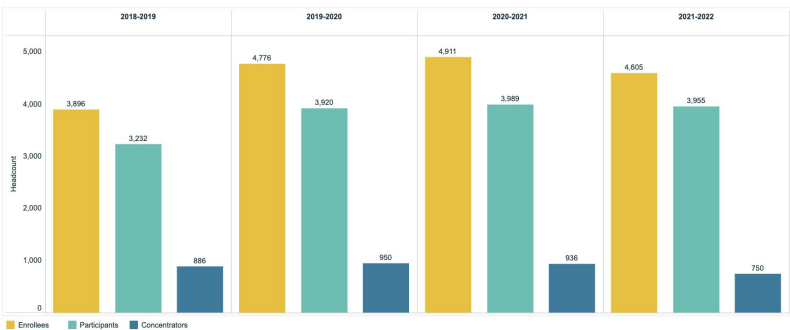
Sources: FCS and District postsecondary CTE data linked to wage data; SUS, ICUF and CIE data used to track CTE completers' continuing education

# Program Quality - Secondary CTE

## Headcount (12th graders) - Statewide



## Headcount (12th graders) - Escambia District



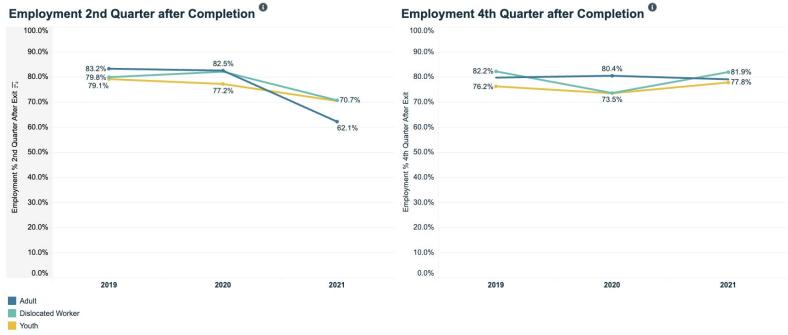
Secondary program performance audit metrics for 12th grade CTE students who enrolled in at least one CTE credit during middle or high school (and in the same school district in HS), including

- enrollment, participant, and concentrator headcounts,
- concentrator rates,
- concentrators' HS (or equivalent) graduation,
- % of concentrators earning at least one industry certification in HS, and
- graduated concentrators continuing education and/or employment

*Source: District secondary CTE data; SUS, ICUF and CIE data to track CTE concentrator graduates' continuing education*

# Program Quality - Workforce Innovation and Opportunity Act (WIOA)

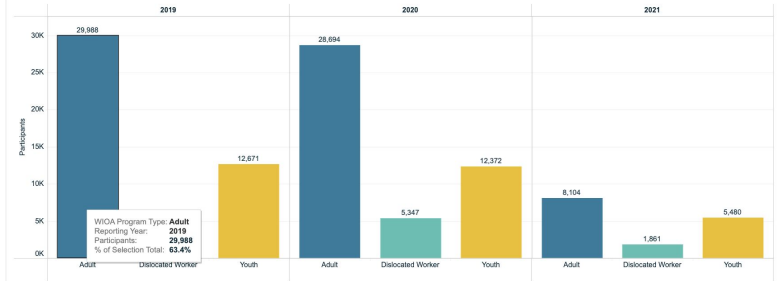
## Employment Rate (after completion)



WIOA program performance audit metrics, including

- participants,
- exiters,
- post-completion employment rate,
- credential attainment,
- earnings after exit, and
- measurable skill gains

## Participants



Source: Department of Florida Commerce's 4th quarter Participant Individual Record Layout (PIRL) files

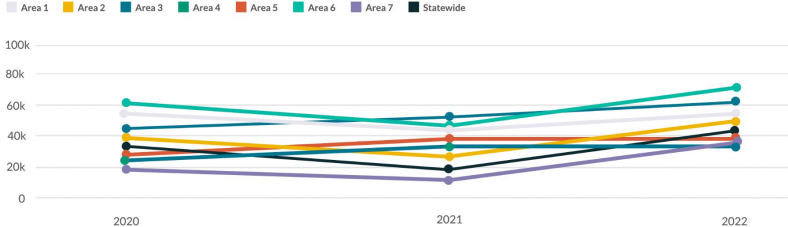
# Program Quality - Vocational Rehabilitation

Example mockups (not real data)

## VR Employment Rate



## Annualized Median Earnings - 2nd Quarter after exit



VR program and service performance data, including

- participation,
- measurable skill gains,
- employment,
- wages,
- time to Individualized Plan for Employment (IPE) and time to employment,
- provider employment success outcomes, and
- comparing success outcomes of VR customers to non-VR customers

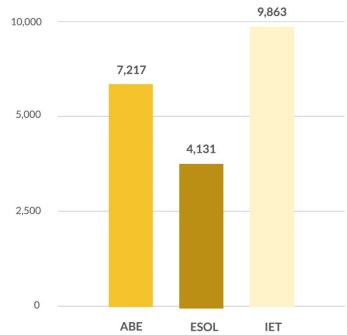
Sources: Rehabilitation Services Administration Case Service Report (RSA-911) and VR provider data

\*schedule at risk due to VR data delays

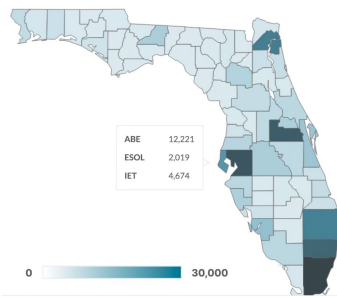
# Program Quality - Adult Education

Example mockups (not real data)

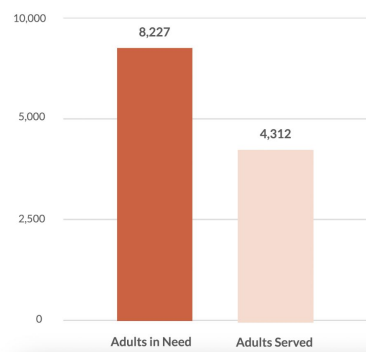
Student Count



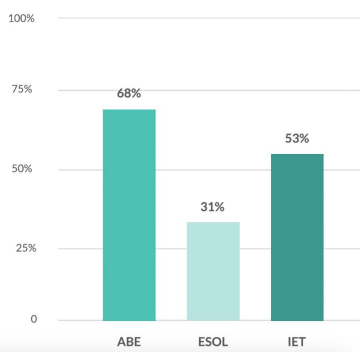
Geographic Breakdown



Adults in Need vs. Adults Served



Success (Program Completion)



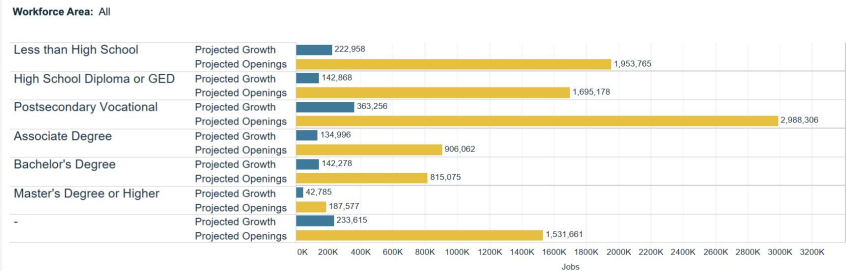
Adult education program performance, including

- enrollments,
- measurable skill gains attainment,
- credential attainment,
- continuing education, and
- employment

Sources: FCS, District postsecondary, and Community-based organization (CBO) annual adult education program data, American Community Survey census data

# Supply and Demand

## Demand - BLS Projections (2021 - 2029)



Long-term view of the extent to which Florida’s education and training programs align to market needs

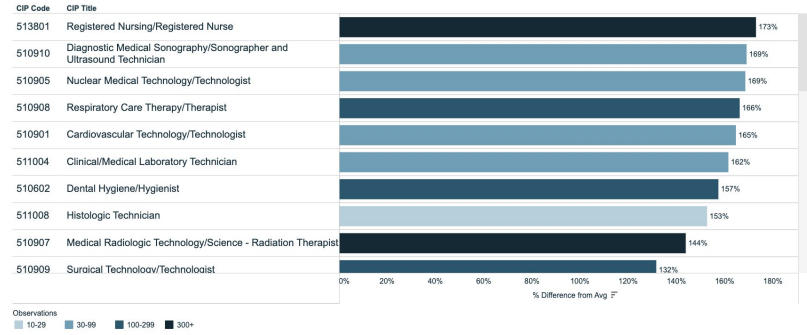
- Supply: Labor production (education program enrollees and completers)
- Demand: Forecasted annualized occupation and credential estimates
- Gap: Numeric representation of labor production and forecasted openings

Sources: Supply: IPEDS, RAPIDS, and state’s Critical Undersupply list; Demand: BLS and state’s Demand Occupations List



# Return on Investment

Earnings (as % of avg earnings for all postsecondary CTE programs) - Two years following program completion (filtered on Health Sciences career cluster)

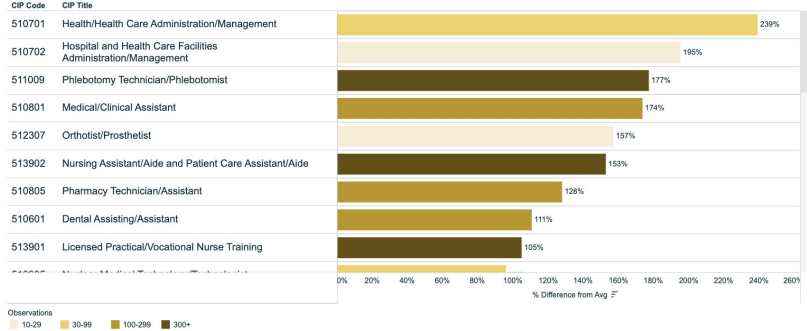


Descriptive analysis comparing completion impact among Florida's postsecondary CTE programs on

- students' labor market activity (continuing education, employment, and earnings) and
- benefits received (SNAP and TANF benefits)

using regression-adjusted averages controlled for characteristics such as demographic indicators and pre-enrollment labor market history

## SNAP/TANF Benefits Received (filtered on Health Sciences career cluster)



Sources: FCS, District postsecondary, FETPIP wage data, and SNAP and TANF eligibility data

# Go EMOP Team!

