

State Data Integration Models: Michigan

May 28, 2026

Scott Powell, Director



MICHIGAN
**Center for Data
and Analytics**

Who We Are



The Michigan Center for Data and Analytics provides the state with the expertise to analyze data, understand challenges, and evaluate solutions.

Through data, reporting, and analysis, the MCDA provides partners with the information and insights they need to make evidence-based decisions.

What We Do

- The **research and analytics** teams focus on leveraging state data to drive informed decisions through advanced research and cross-agency collaboration.
- The **privacy** team makes sure that information is handled responsibly, individual rights are protected, and the integrity of the state's work is maintained.
- The **demography** team serves as the state liaison to the U.S. Census Bureau and advises on Michigan's population and demographic data.
- The **labor market information** team produces Michigan employment, occupation, and industry data through partnerships with U.S. Department of Labor.

Types of Analysis

Three broad categories, from least to most involved:

- 1. Summaries and dashboards:**

Providing better understanding of state programs

- 2. Program evaluations:**

Identifying what works best in state programs

- 3. Predictive modeling:**

Targeting services to those that need them most



Median Annual Wages by Education Attainment

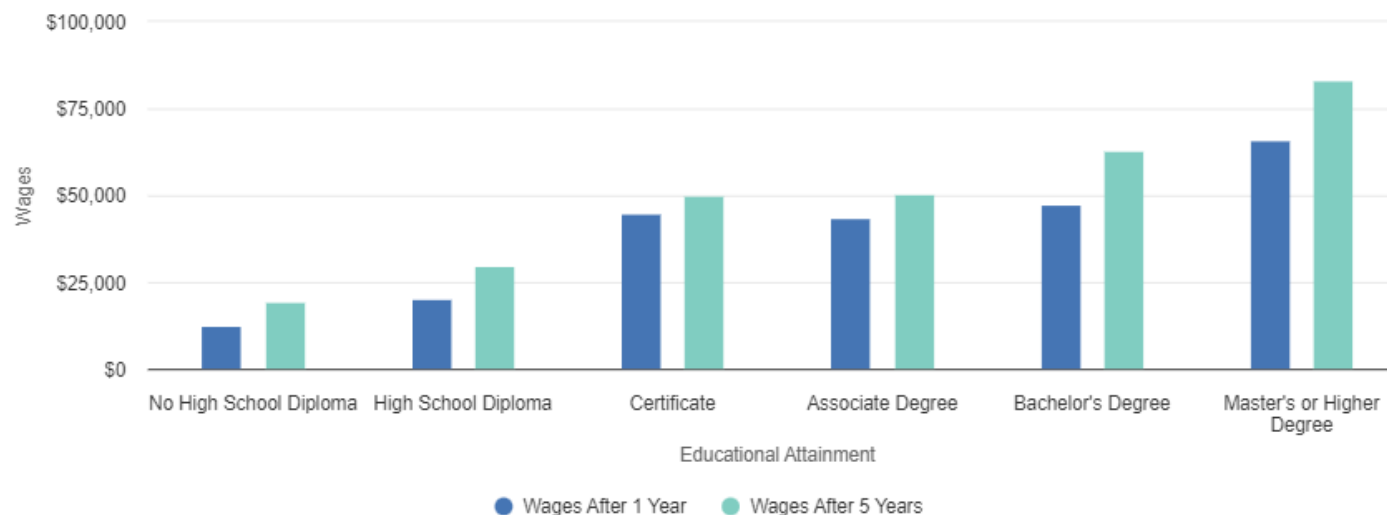
► About this Report

Please select a report year: 2023 ▾

Please select a location type: Statewide ▾

Please select a demographic category: All ages, ethnicities, and genders ▾

Median Annual Wages by Educational Attainment



Michigan Employment Information

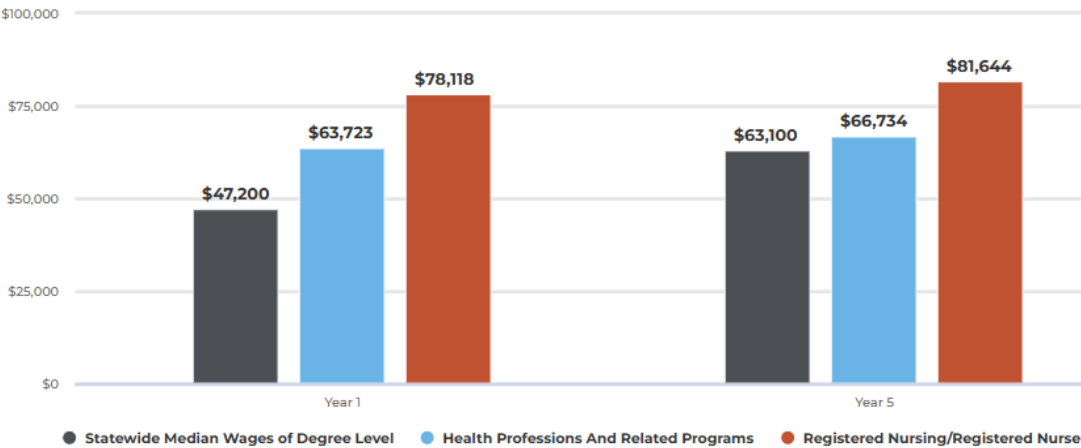
Selected School: **Grand Valley State University**

Selected Field of Study:
Health Professions And Related Programs

Selected Field:
Registered Nursing/Registered Nurse

[Bachelor's Degree](#)
[Master's Degree](#)
[Professional Degree](#)
[Doctoral Degree](#)
[No Award](#)

Median Wages



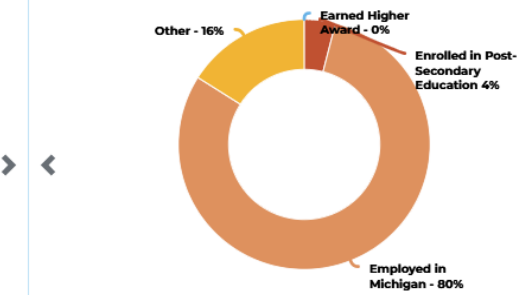
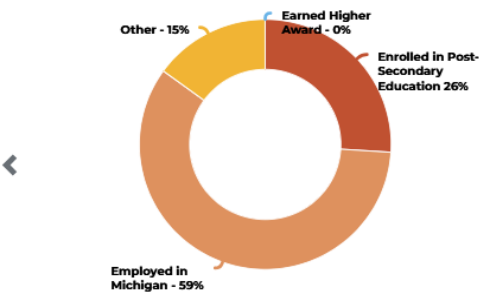
Selected Field of Study:
Health Professions And Related Programs

Selected Program:
Registered Nursing/Registered Nurse

[Change](#)

Year 1

Year 1



Median Salary (Year 1): \$63,723	Median Salary (Year 5): \$66,734	Median Salary (Year 1): \$78,118	Median Salary (Year 5): \$81,644
Employment for those Not Continuing in Education (Year 1): 79%	Employment for those Not Continuing in Education (Year 5): 64%	Employment for those Not Continuing in Education (Year 1): 84%	Employment for those Not Continuing in Education (Year 5): 65%
Licensed Employment (Year 1): 42%	Licensed Median Wage (Year 1): \$78,592	Licensed Employment (Year 1): 97%	Licensed Median Wage (Year 1): \$78,634
Typical Time from Completion to Employment: 90 days or less		Typical Time from Completion to Employment: 90 days or less	

Please note: Military, railroad, and certain self-employment earnings are not available in state wage records.



PATH Training in Michigan Found to be Cost-Effective and Increases Wages

February 29, 2024

Key Findings

This PATH evaluation found that completing certain training activities increases a participant's wage premiums by nearly \$3,500, in the first two years after exiting their program. Furthermore, these training programs are found to be cost effective, with the cost of training being recovered within a year's time. Keep reading for more information about MCDA's analysis on PATH training programs.

What is the PATH Program and PATH Training?

PATH (Partnership. Accountability. Training. Hope) is a program designed to identify barriers to employment (such as childcare needs, transportation, and literacy) and help connect clients to the resources they need to gain employment. The PATH program was implemented on January 1, 2013, by the (now) Michigan Department of Health and Human Services, the Michigan Workforce Development Agency (now part of the Department of Labor and Economic Opportunity), and the Michigan Works! Agencies.

The PATH program begins with an assessment that identifies barriers to employment. During the assessment period, clients are also provided services that help them find employment, particularly clients who have difficulties sustaining employment or who have been unemployed for some time. After the evaluation period, caseworkers help connect clients to resources that help remove identified barriers. The PATH program helps connect clients to resources ranging

Author:

Salomon Orellana, Ph.D.

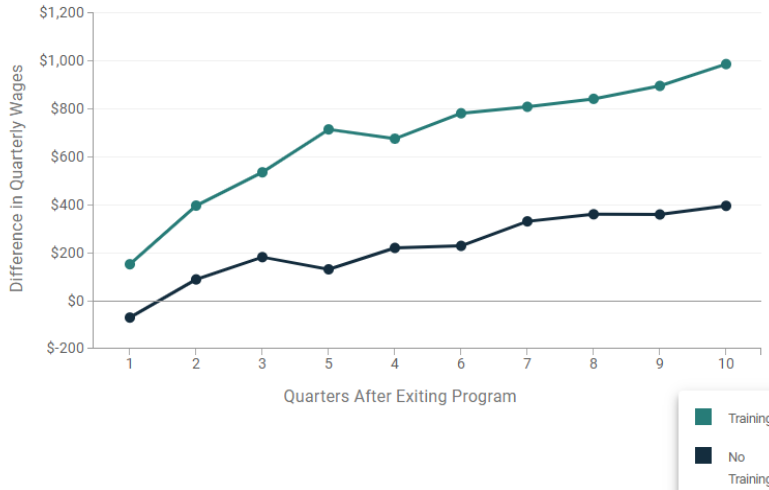
Data Scientist

PATH Training Increases Wages and Employment for Participants

The evaluation found that PATH training did lead to higher earnings for trainees compared to those who did not receive training. On average, individuals receiving training experienced a significantly larger increase in wages than those who did not receive training. The wage gap continued to grow over the period examined. Two and a half years (10 quarters) after exiting the program, trainees experienced a quarterly wage increase of \$988, on average. Over the course of a year, PATH trainees earn an average of \$2,366 more than non-trainees.

Six months (two quarters) after exiting the program, trainees have a higher probability of being employed than non-trainees. This higher probability is maintained throughout the period examined -- two and a half years after exiting the program.

Change in Earnings from Prior to PATH Entry to Program Exit

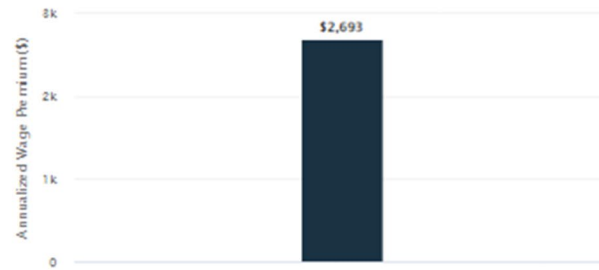


Benefits Of Training



Employment Outcomes for Similar Individuals

Two quarters after exit, employment rates are 8 percentage point(s) higher for similar individuals who receive training compared to those who do not.



Wage Premiums for Similar Individuals

Four quarters after exit, similar individuals who receive training are making \$2,693 more per year than those who do not receive training.



Training Completion for Similar Individuals

Using data from similar individuals, this section displays the likelihood of completing a training program. This information is designed to help case managers identify which participants may need additional assistance to successfully complete training.

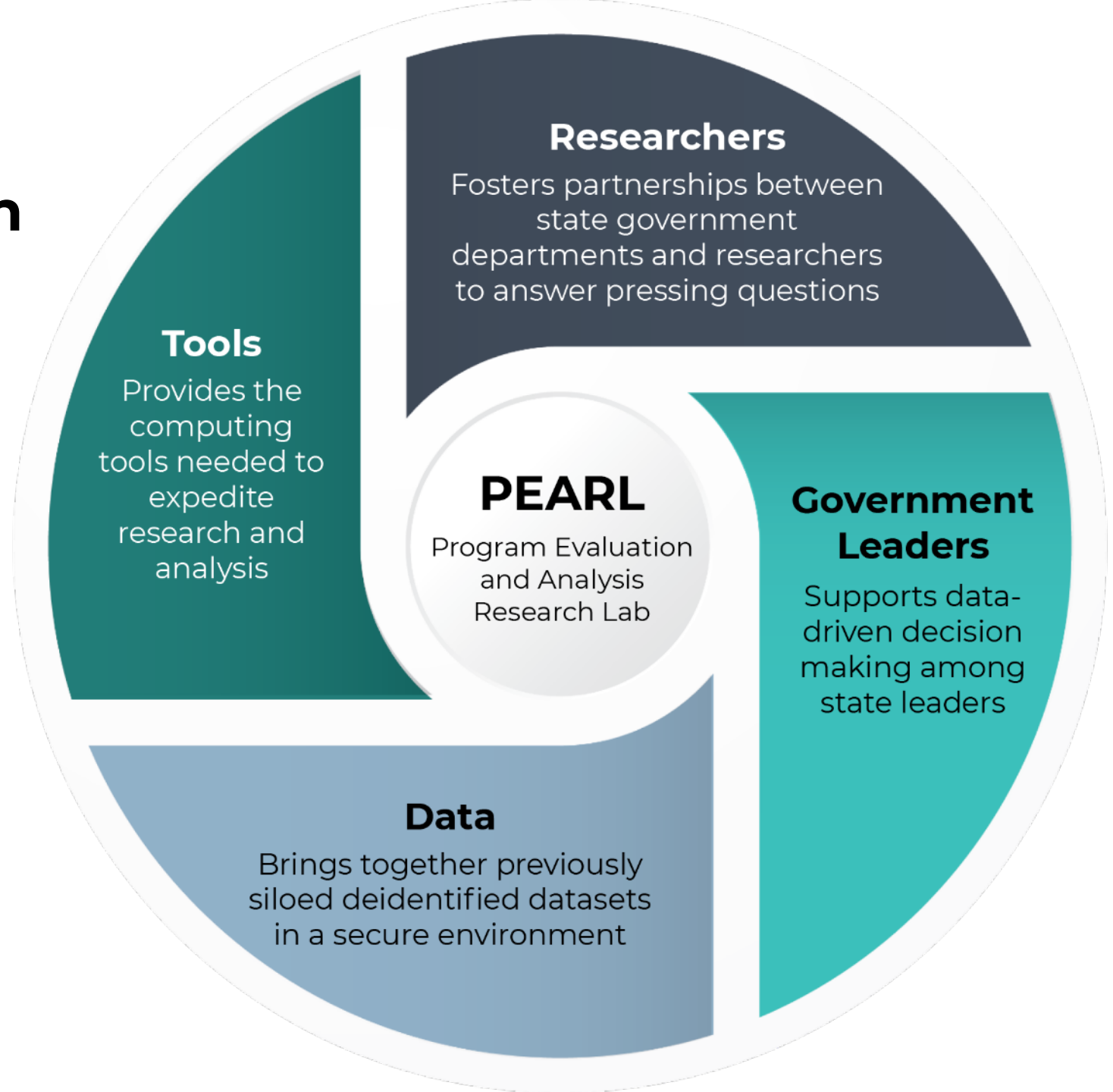
[Explore Education and Training Opportunities](#)

Program Evaluation and Analysis Research Lab (PEARL) Overview

Powering data-driven decision making through collaboration.

The Michigan Center for Data and Analytics is leading the development of the new Program Evaluation and Analysis Research Lab (PEARL), a flexible platform for researchers to securely access and analyze data within a state-hosted environment.

The PEARL fosters collaboration, proactively manages risk, and links datasets across departments, providing researchers and policymakers with the data they need to make informed decisions.



PEARL Key Features

- Safe Projects
- Safe People
- Safe Settings
- Safe Data
- Safe Outputs

The Five Safes

PEARL Data

- Workforce
- Higher Education
- Early Childhood Education
- Wage Data
- Corrections

Key Enablers

- Partnerships
- Authority
- Funding

Thank you!