The Importance of Data Collection & Outcomes:

Any Classroom to Career

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IOWA LAKES COMMUNITY COLLEGE

NIACC

IOWA CENTRAL COMMUNITY COLLEGE

Informing Practice & Planning

Account for Hidden CTE Noncredit Credentials

Noncredit to Credit Transition

Partnerships

Analyze Supply to Demand

Inform Students and Stakeholders

Longitudinal Analysis for Planning/Accountability

Community College Training Options in Iowa

Credit Programs

- General Studies
- Transfers
- Career & Technical Education
  - Associate Degrees (AAS, etc.)
  - Diplomas
  - Certificates

Noncredit Training

- Career & Technical Education (workforce development)
  - Skill Enhancement
  - Industry Certification
  - Apprenticeships/Internships
  - Contract Training
- Life & Leisure
- Adult Education
  - Literacy
  - ESL

Historic Outcomes

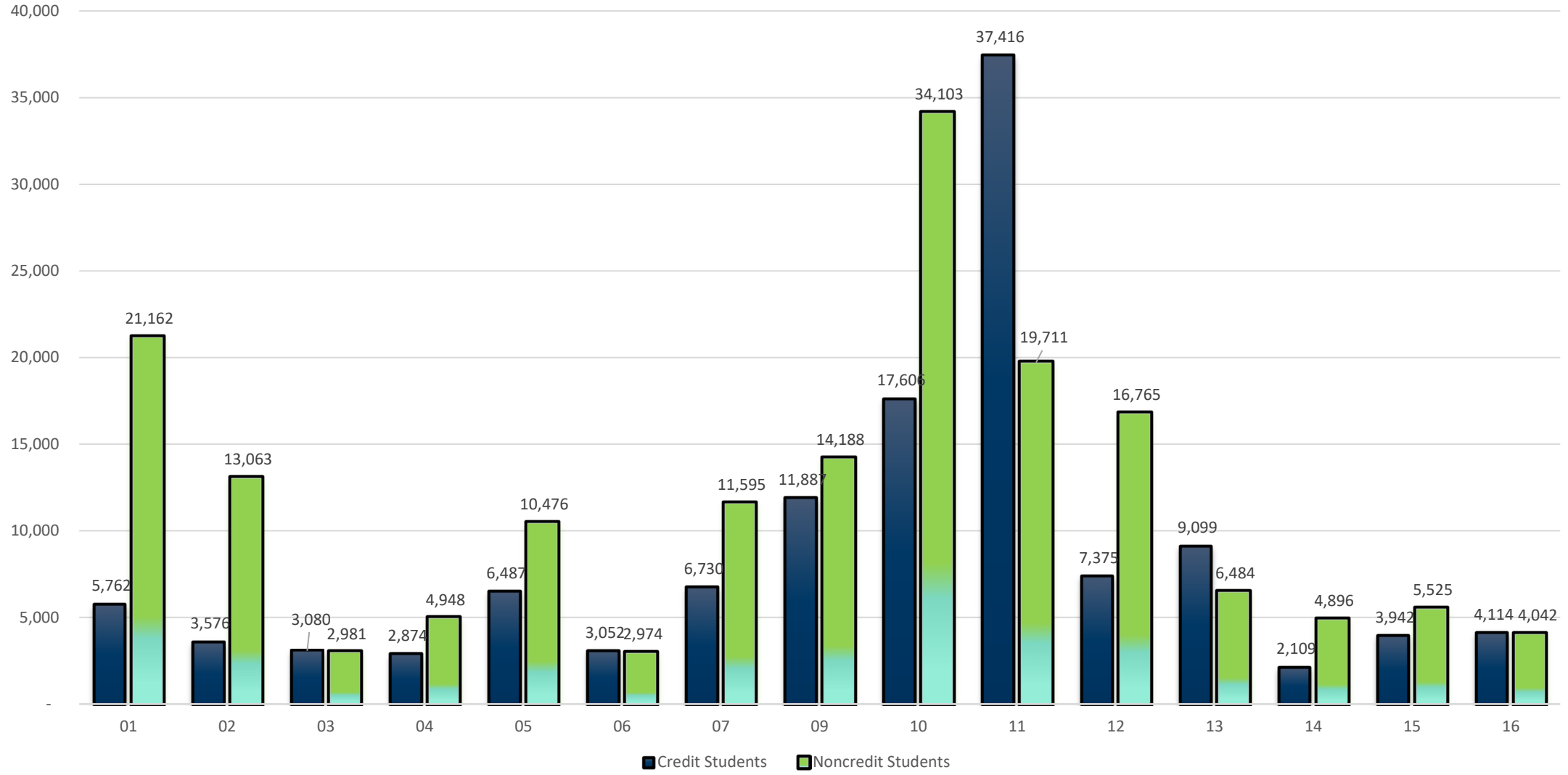
- Credit Program Accountability
  - Enrollment
  - Completion
  - Employment
  - Wages

What are we missing?

- Noncredit/Enhancement Offering Accountability
  - Career & Technical Education (workforce development)
    - Skill Enhancement
    - Industry Certification
    - Apprenticeships
    - Contract Training

College Student Population by College in Iowa

More noncredit than credit students in 10 of 15 colleges



Commercial Drivers License (CDL) Training

Demand (annual openings):

Heavy Truck (SOC 53-3032): 5,340

Bus Drivers, School (SOC 53-3052): 857

Other occupations that require CDL:

Heavy Equipment Operators: 537

Agricultural Equipment Operators: 531

Telecommunication Installers/Repair: 237

Supply (including renewals)

Commercial Drivers License (CDL)Training (CIP 49.0205)

Credit: 5 students

Noncredit CDL: 5,168 students

Noncredit Bus CDL: 6,835 students

Certified Nurse Aid

Demand (annual openings):

Nursing Assistants (SOC 31-1131): 3,560

Supply (CIP 51.3902) :

Certified Nurse Aid CNA:

Credit: 627 students

Noncredit CNA: 6,989 students

Demand Pathways:

Licensed Practical Nurse: 527

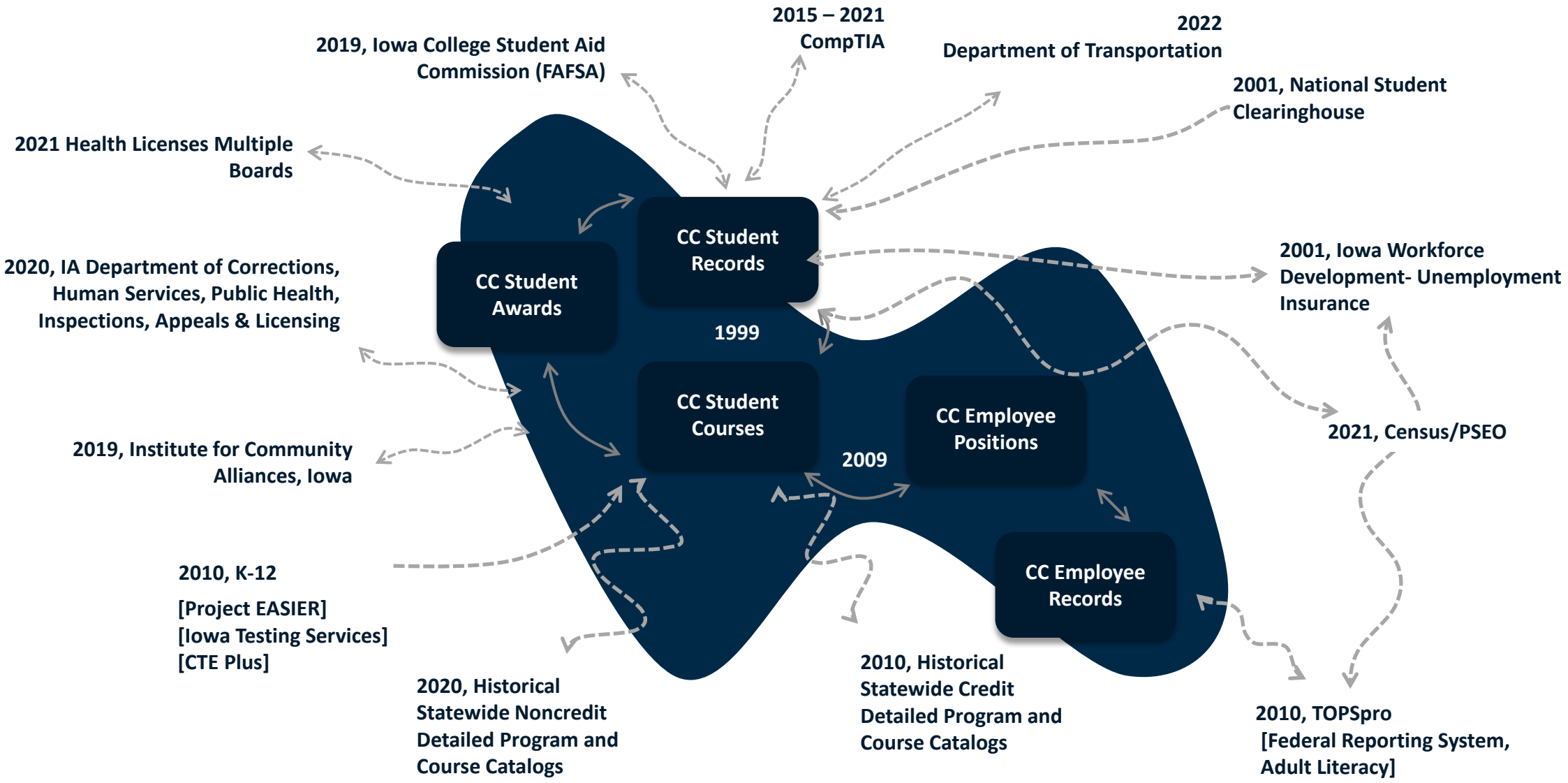
Registered Nurse: 2,013

Includes theory, clinical and testing – collected separately as well.

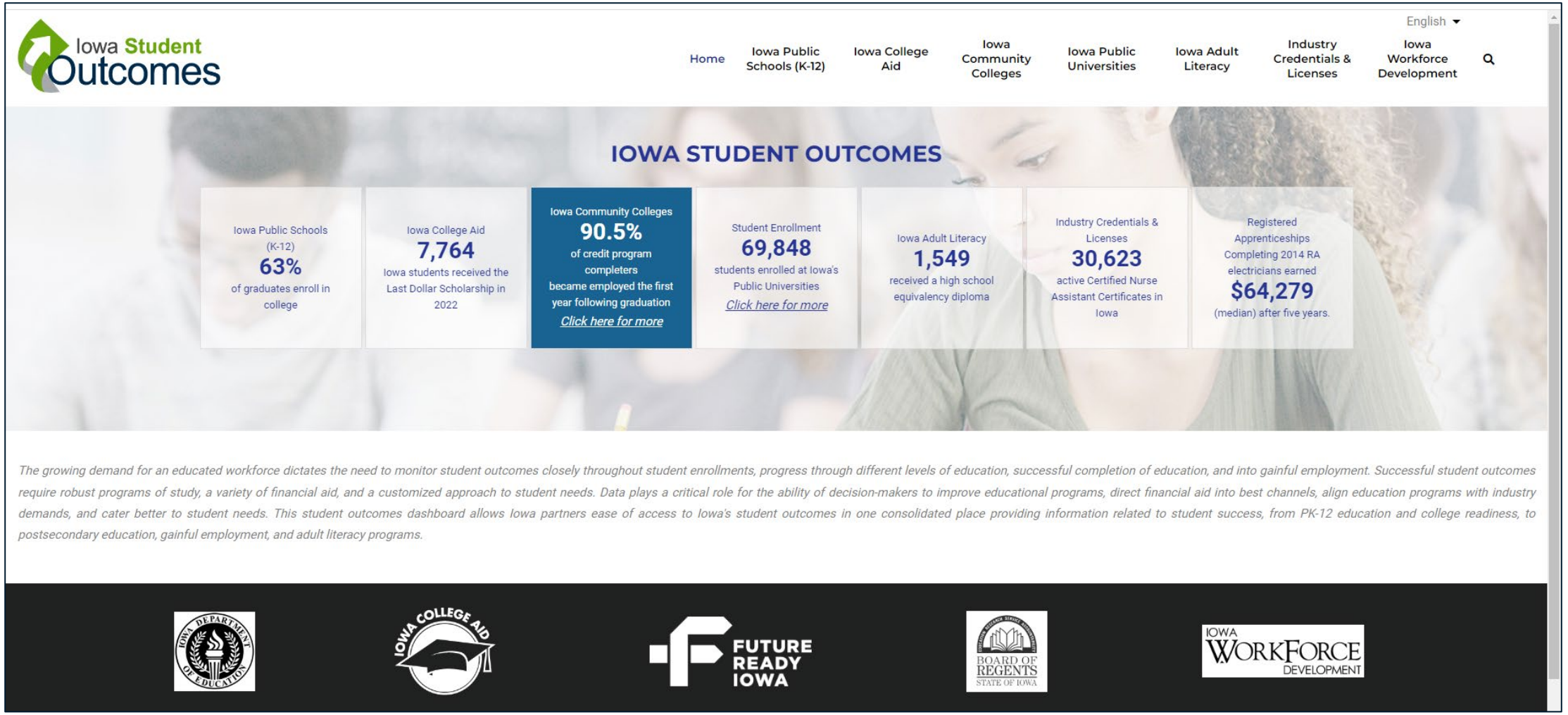
Pathways – Supply, Demand, Employer Validation

Entry Level	Mid Level	Mid Level	Senior Level
CERTIFIED NURSING ASSISTANT/AID	LICENSED PRACTICAL NURSE	REGISTERED NURSE	NURSE PRACTITIONER
Noncredit/Credit	Technical Certificate/Diploma	Associate's Degree	Master's Degree
Median: $38,589	$59,355	$76,882	$129,133
% Continued Education: NC – 48.0% Credit – 77.8%	Credit - 84.9%	Credit - 27.7%	n/a CC data
Annual Demand: 3,560	550	2,375	260
% Employed (did not continue ed): 89.3%	90.6%	94.2%	n/a CC data

Building Partnerships & Sustainable Ecosystem



Interactive Dashboards & Visualizations



https://www.iowastudentoutcomes.com/college_program_outcomes_new

Matching to Wage Records - Completers

Certified Nursing Assistants (CNAs):

48% Continued Education in Credit

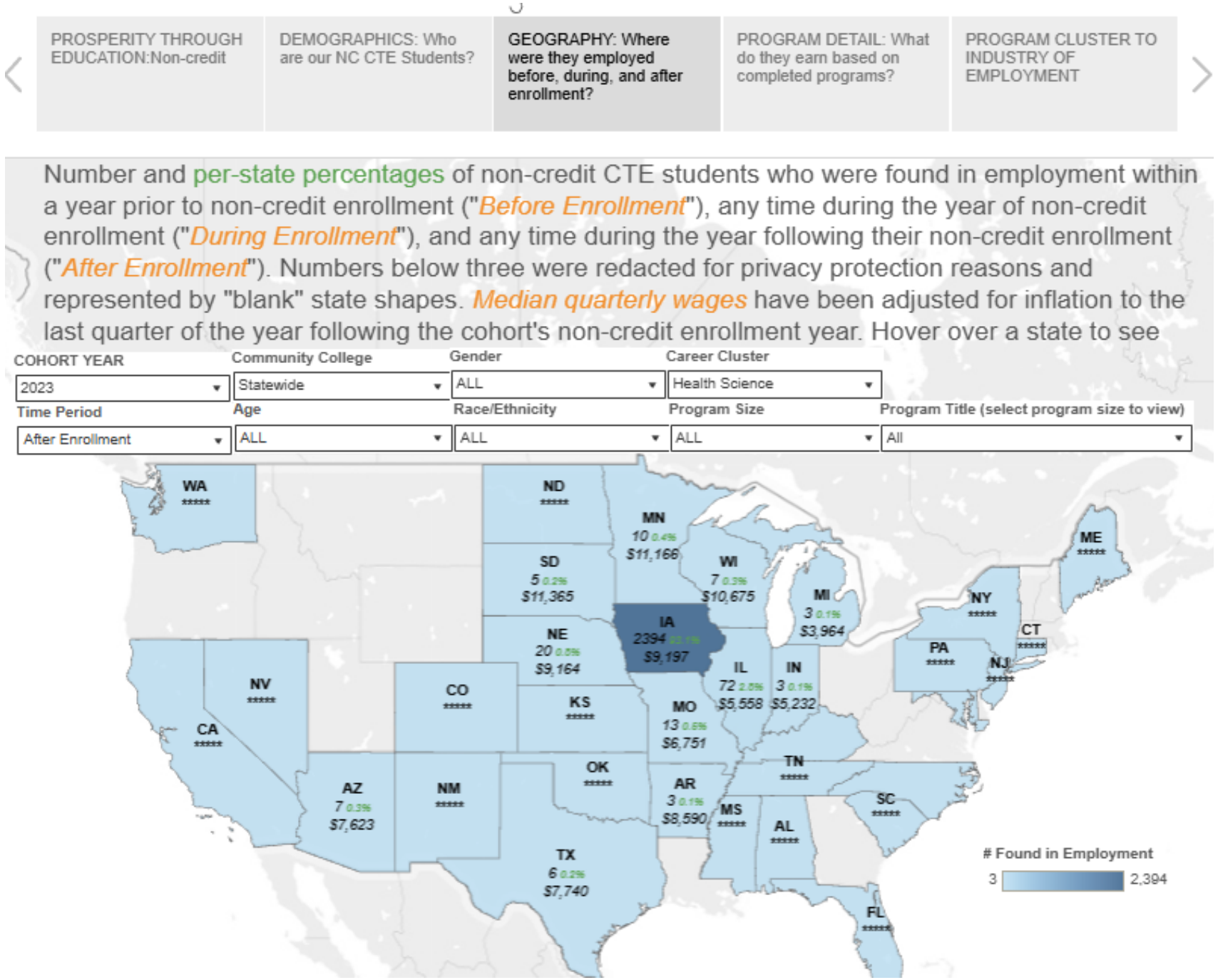
94% of those who did not continue their education became employed

None had previously earned a degree

Those who were employed were earning a median quarterly wage of

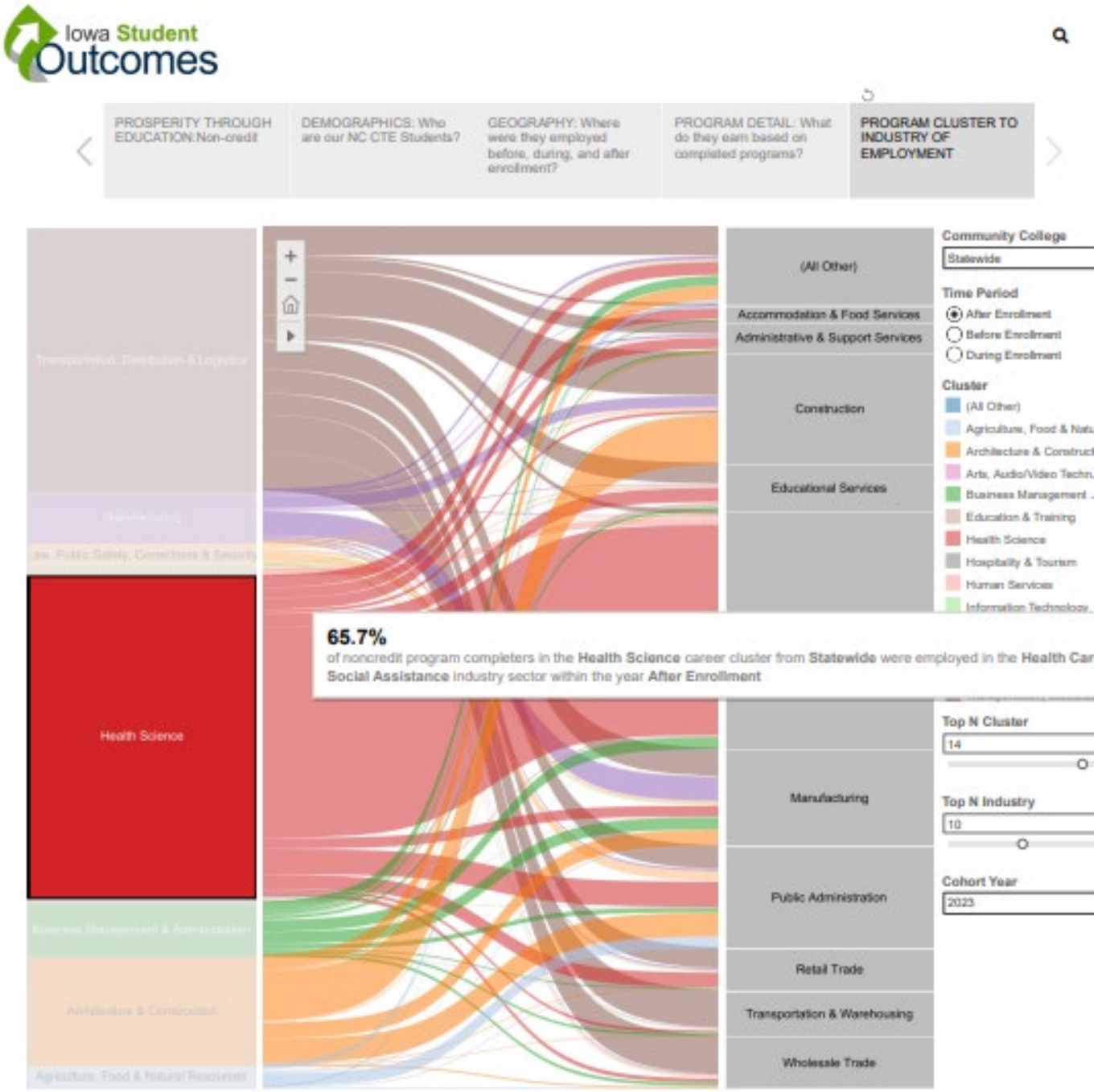
Before: $5,031
During: $5,298
After: $6,951 (est. $27,804)

Increase of 38% in wages



Geographical Location Following Training

- 93.1% of noncredit Health Science students working in Iowa one-year following training
- $9,197 quarterly earnings

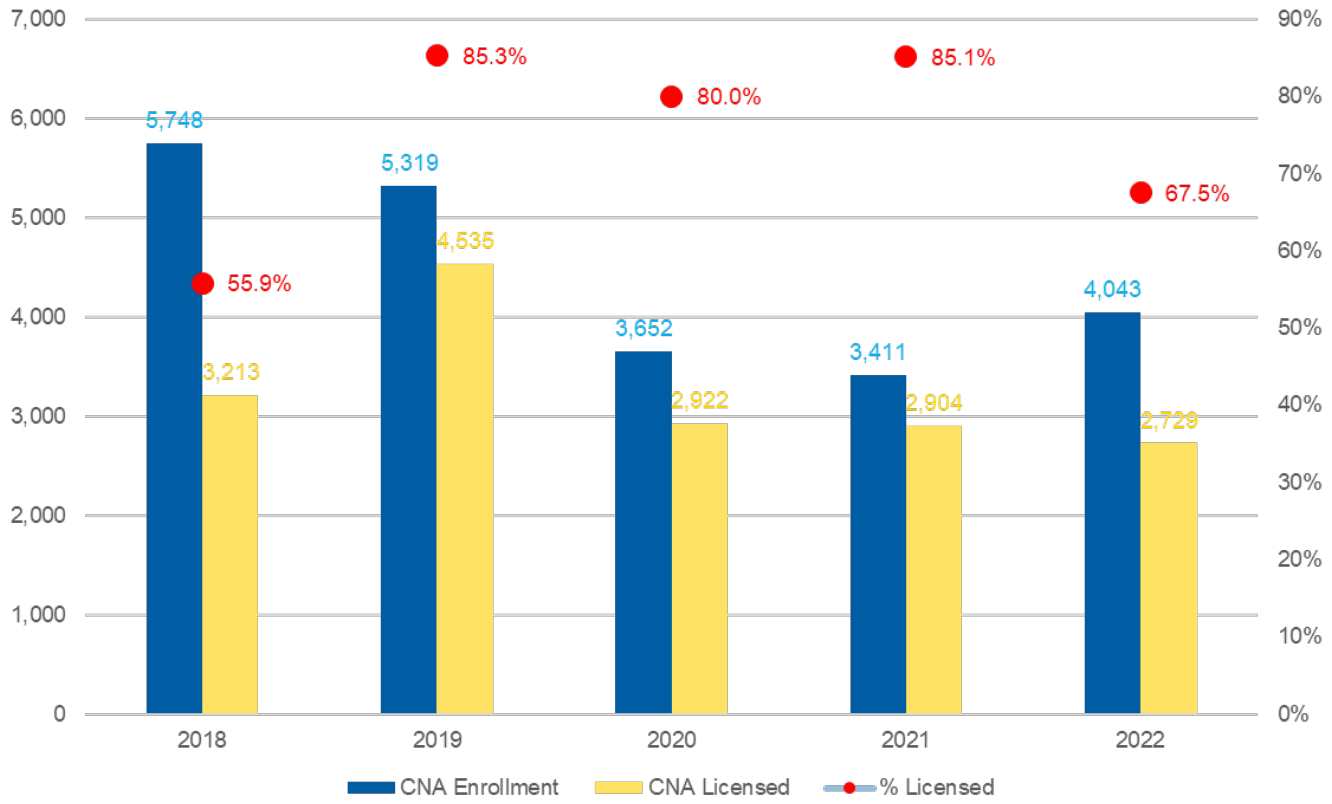


Career Cluster to Industry

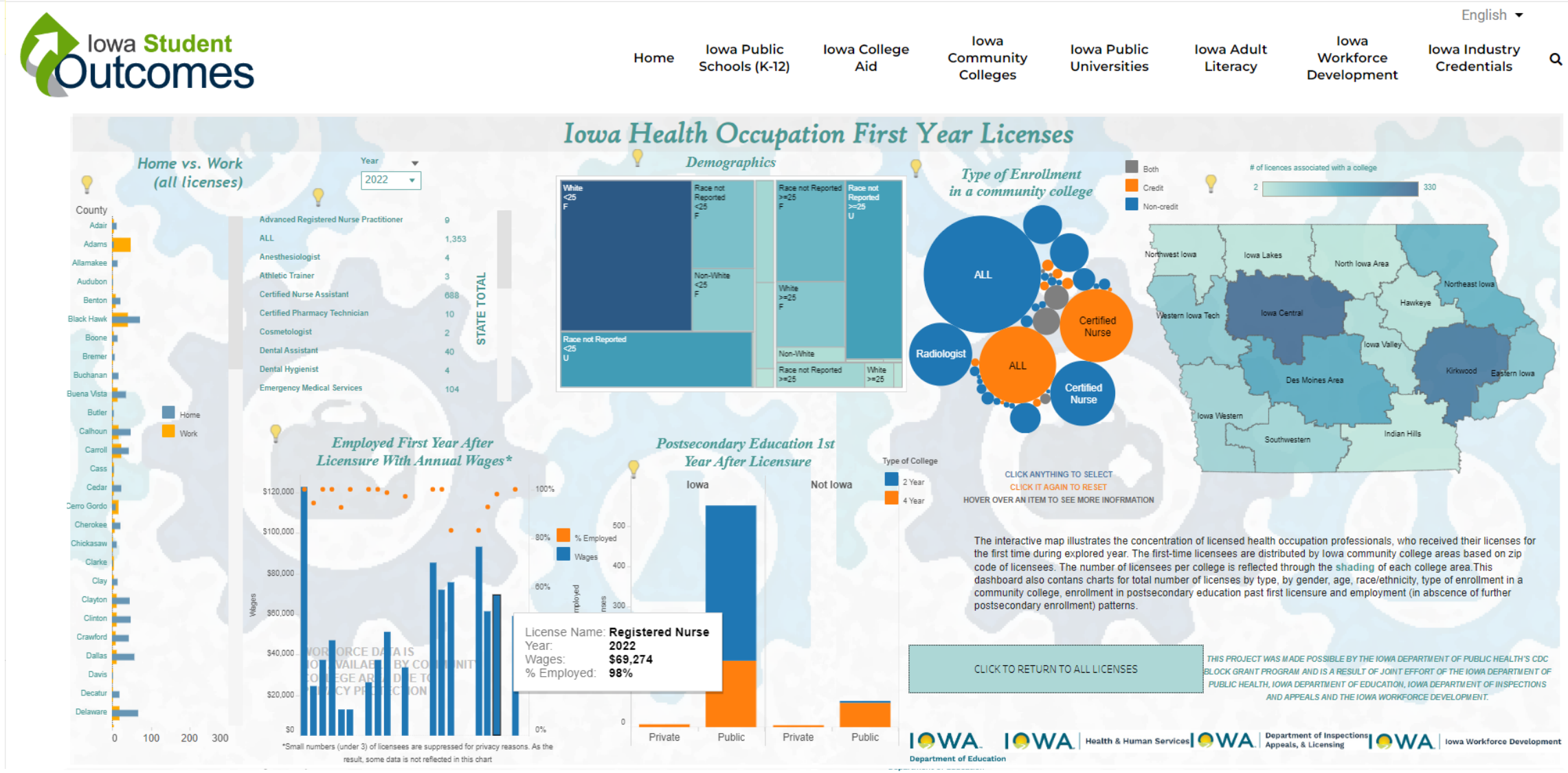
- Tracking students from program/offering to industry through employment records.
- Of those in health science noncredit training, 65.7% are employed in the health and human services industry
- There are a lot of options for employment no matter what the career cluster.

Third-Party Credentials

- Collect data for Certified Nursing Assistant in MIS
- Match data to National Student Clearinghouse for continued education
- Match to 3rd party licensing database to identify receipt of license/certification
- Match to unemployment insurance wage records to Identify
  - Employment
  - Wages
  - Industry



Supply/Demand Analysis by Licensure



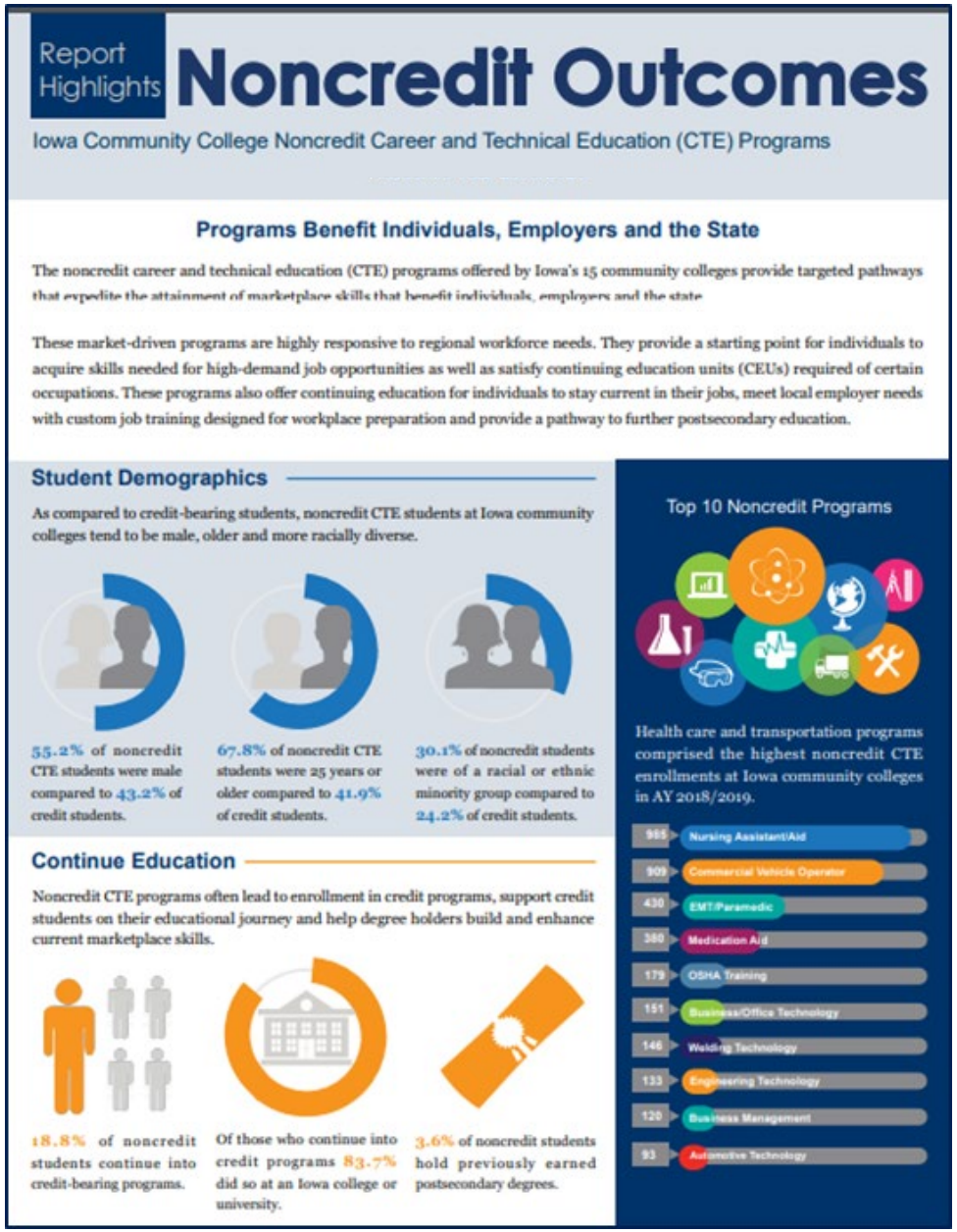
Iowa Community College Outcomes Reporting

- Credit Outcomes
- Noncredit Outcomes
- Completers vs. Leavers
- Industry Credentials & Licensure
- Joint/Concurrent Enrollment
- Corrections Education
- Registered Apprenticeships
- Program Specific
  - Gap Tuition Assistance (noncredit)
  - Pathways for Academic Career & Employment (PACE – support)
  - Last Dollar Scholarship
    (credit tied to in-demand occupations)
  - Skilled Workforce Shortage Tuition Grant (credit)

Collect & Analyze for Stakeholders

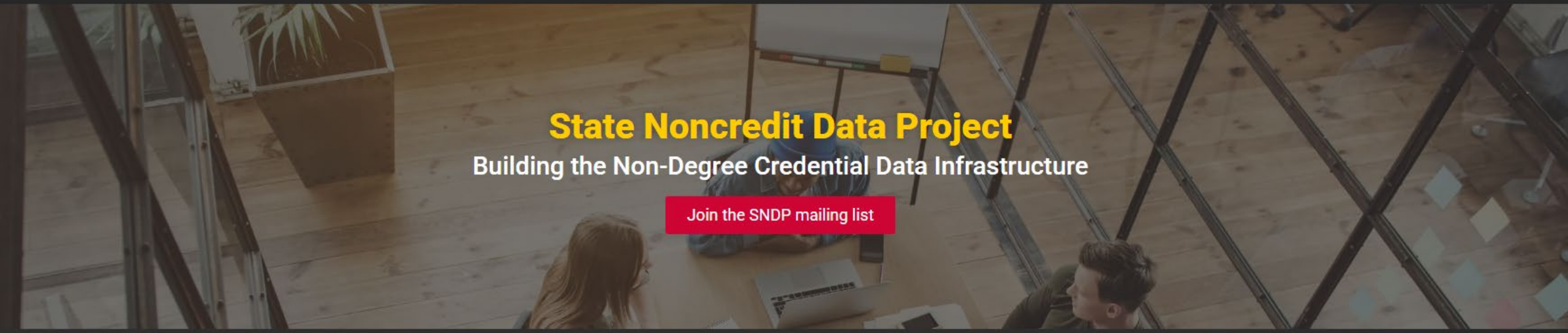
By College, by Cohort, by Program

- Demographics
  - Age, Gender, Race/Ethnicity
- Award by Classification of Instructional Program (CIP)
  - By length of CTE Program (contact hours)
- Transfer/Continued Education
- Previous Degrees/Awards
- Employment (before, during and after training)
  - Wages
  - Industry
  - Geography
- Migration and Retention (in- or out-of-state)
- Electronic Data Tables at College/State Levels
- Interactive Dashboards



Iowa's Plans for the Future

- Streamline dashboards
- Add more industry credentials of value
- Common course numbers for noncredit programs
  - Aligning with credit common course numbers
  - Credit for prior learning
- One program master which integrates the following into one system (current and historical):
  - Secondary CTE and work-based learning
  - Credit post-secondary programs
  - Noncredit post-secondary programs
  - Industry recognized credentials (awarded and leading to)

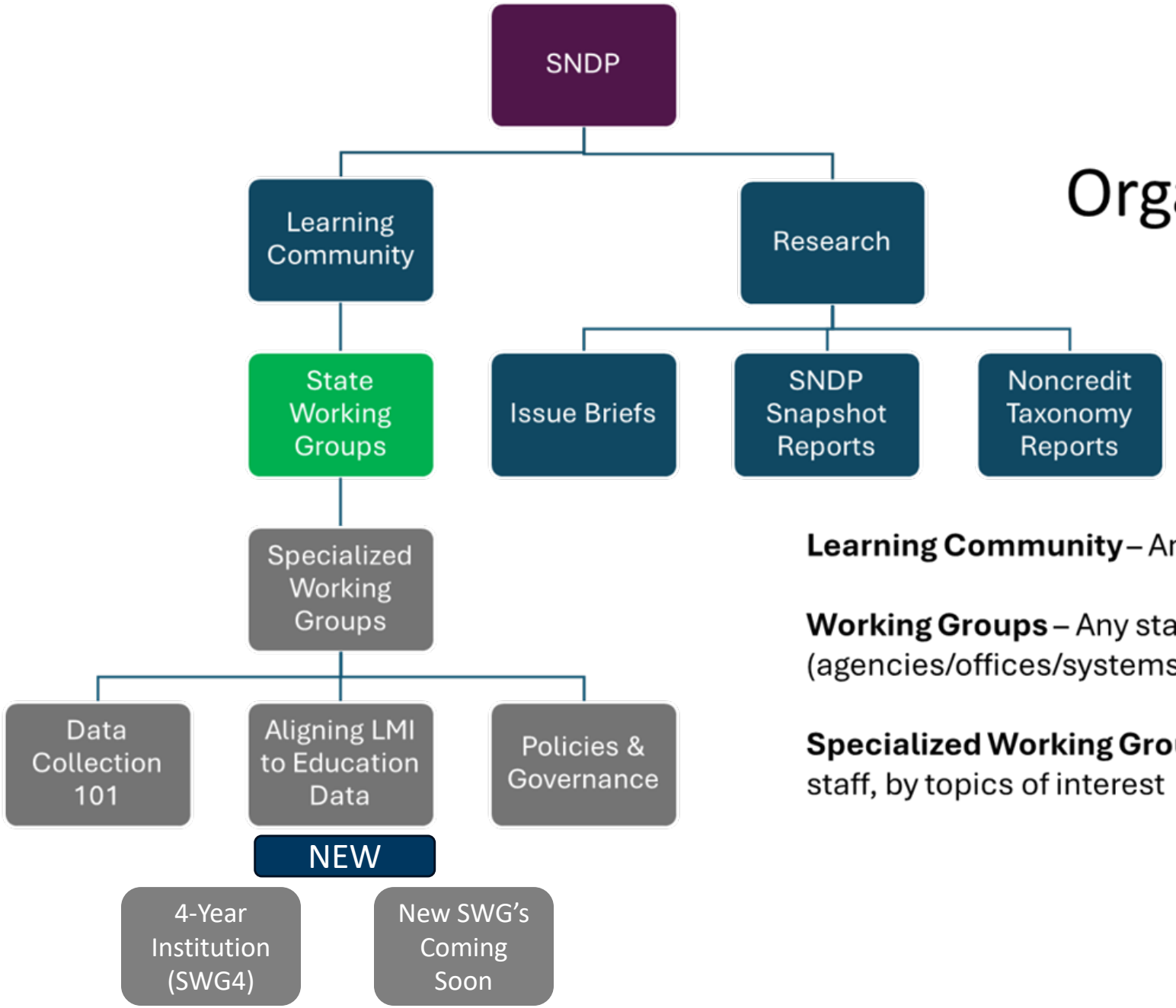


Noncredit education and non-degree credentials are growing rapidly, but data systems have not kept pace with this expansion. The project aims to strengthen data infrastructure by advancing research, developing a shared taxonomy for data collection, and creating learning opportunities to share effective practices across the field.

Noncredit education and non-degree credentials are growing in popularity, but data collection and analysis have not kept pace. This project, led by Rutgers University EERC, has received funding from the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation (NSF), the Gates Foundation, and the Strada Education Foundation seeks to foster the development of a more robust data infrastructure using three key strategies:

- Generating research to advance the field;
- Creating a taxonomy to guide data collection efforts; and
- Creating learning opportunities to share successful practices.

SNDP Organizational Map



Learning Community – Anyone interested in noncredit data

Working Groups – Any staff of state entities (agencies/offices/systems) that manage noncredit data

Specialized Working Groups – Subgroups of state entity staff, by topics of interest

How to Engage in the Noncredit Data Journey

As part of the State Noncredit Data Project (SNDP) through Rutgers University, the following learning opportunities are available to states.

- **Broader Learning Community meetings and activities (open to anyone):** https://sites.rutgers.edu/state-noncredit-data/join-the-learning-community/

- **Specialized Working Groups (SWG's) for SNDP partners:** https://sites.rutgers.edu/state-noncredit-data/specialized-working-groups/
- Data Collection 101 (Where Do I Start) Techniques
- Aligning Program Data and Labor Market Information
- Policy & Governance (Developing Partnerships)
- New working groups for Community Colleges (currently in development)
- 4-Year Institution Focus Groups/Working Groups (currently underway)

Questions/Contact

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