

Regional Collaboratives, Research Projects, and Data Sharing: What it Takes to Create Lasting Infrastructure Across States

**A presentation from Kentucky and New
Jersey, with panelists from Rhode
Island and Virginia**

Presenters



Matt Berry, Ph.D.
Interim Executive Director
Kentucky Center for Statistics (KYSTATS)



Stephanie Walsh
Director, New Jersey Education to Earnings Data System
Heldrich Center for Workforce Development
Rutgers University

Agenda

- Multi-State Background
- The Multi-State Postsecondary Report
- Panel Discussion

Multi-State Background

Clusters of states
come together to
**define exciting
priorities**

**Demonstration
projects** build
momentum and
support

Interim governance
allows development
of common rules for
collaboration

**Permanent
governance** aligned
across collaboratives
creates opportunities
for flexibility, scaling,
and sustainability

Multi-State Governance



State agency leaders across the country are driving the emergence and sustainability of multi-state data collaboratives. This work is being supported by NASWA, the State Higher Education Executive Officers Association (SHEEO), the Coleridge Initiative, and other partners and funders.

Multi-State Organization Background

Midwest

- Formed in 2018
- Interim executive board elected in 2021
- Developed reemployment dashboard and multi-state postsecondary report

Southern

- Formed in 2021
- Interim board elected in 2021
- Current discussions regarding shared interests through working groups

Eastern

- Formed in 2020
- Interim board elected in 2022
- Current projects include multi-state postsecondary report and teacher workforce report

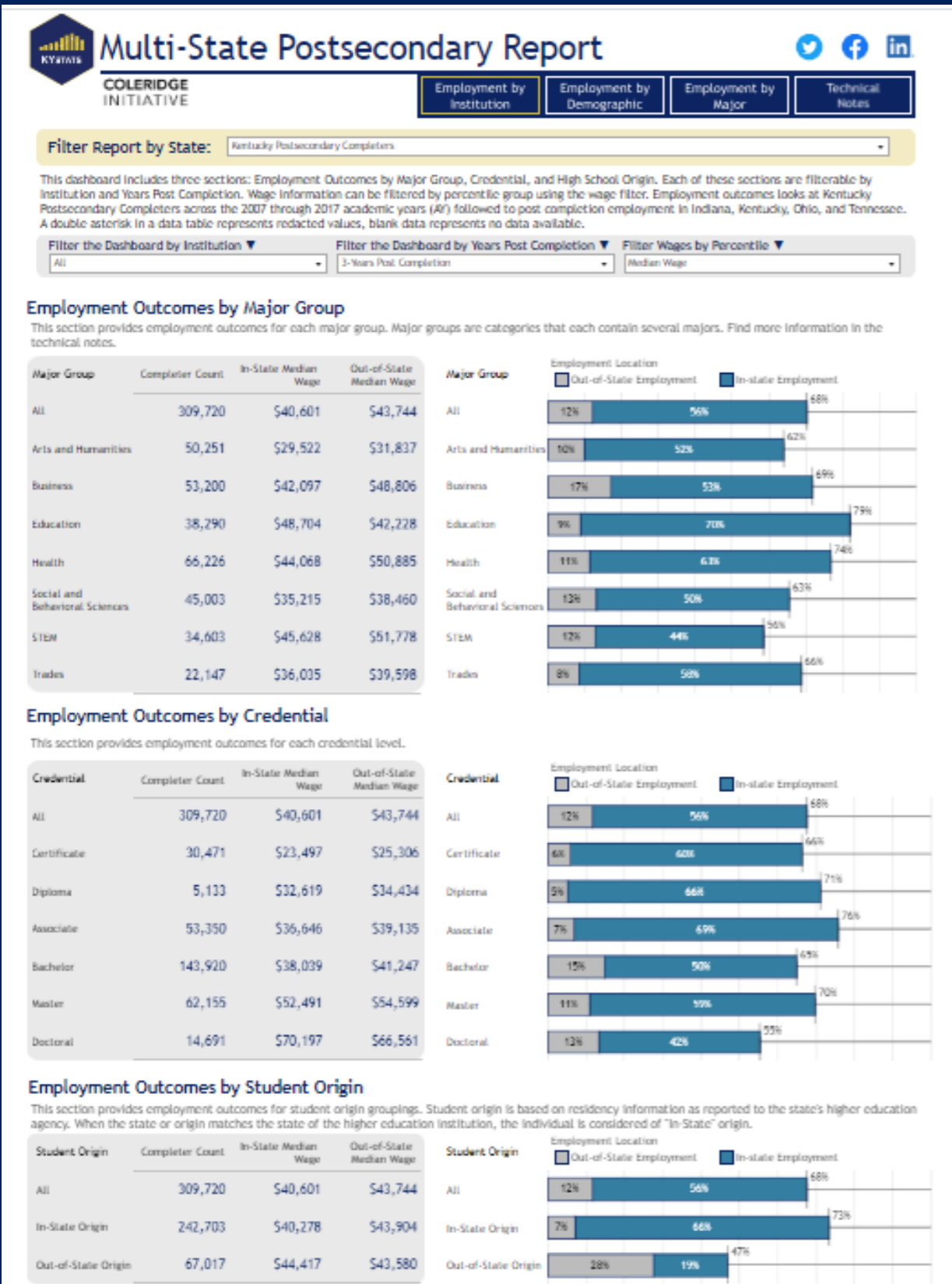
Benefits of Interstate Collaboration

- Addressing limitations of individual state systems
- Sharing of ideas and resources
- Avoiding duplication of efforts
- Developing data models for interoperability

A Multi-State Success: The Postsecondary Report

<https://kystats.ky.gov/Reports/Tableau/MSPSFR>

Multi-State Postsecondary Report



- Links data across state borders
- Serves as a basis for other states to replicate via the Coleridge Trainings
- Examine data by credential, major, in-state origin, and institution to address a variety of questions

How We Have Evolved ...



Ohio Training Class

- Ohio completers outcomes
- Focus on Southwest Ohio region located near state border

High Level Kentucky Pilot MSPSR

- Only Kentucky completers outcomes
- Drilldown by credential, major, student origin

MSPSR Pilot Ohio Expansion

- Kentucky & Ohio Postsecondary completers
- Drilldown by Institutions
- Multi-level drilldown

Current MSPSR

- Qualifying Employment
- Demographics
- Specific Majors
- Wages Adjusted
- Additional years of data



Multi-State Postsecondary Report



COLERIDGE INITIATIVE

Employment by Institution

Employment by Demographic

Employment by Major

Technical Notes

Filter Report by State:

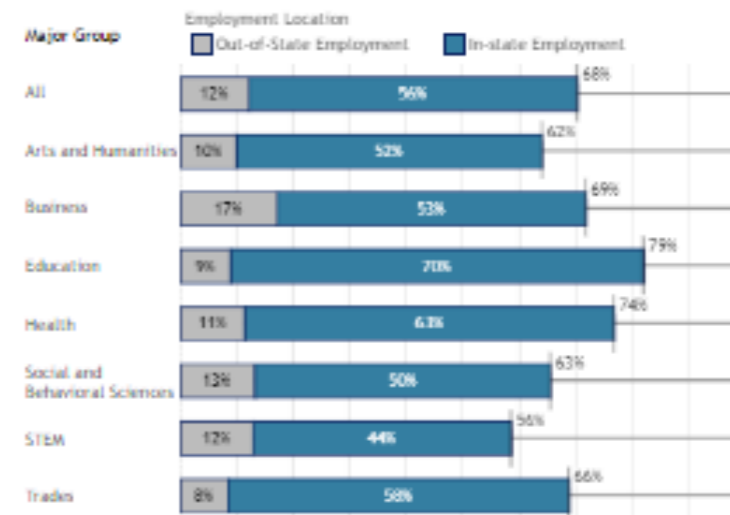
This dashboard includes three sections: Employment Outcomes by Major Group, Credential, and High School Origin. Each of these sections are filterable by Institution and Years Post Completion. Wage information can be filtered by percentile group using the wage filter. Employment outcomes looks at Kentucky Postsecondary Completers across the 2007 through 2017 academic years (AY) followed to post completion employment in Indiana, Kentucky, Ohio, and Tennessee. A double asterisk in a data table represents redacted values, blank data represents no data available.

Filter the Dashboard by Institution Filter the Dashboard by Years Post Completion Filter Wages by Percentile

Employment Outcomes by Major Group

This section provides employment outcomes for each major group. Major groups are categories that each contain several majors. Find more information in the technical notes.

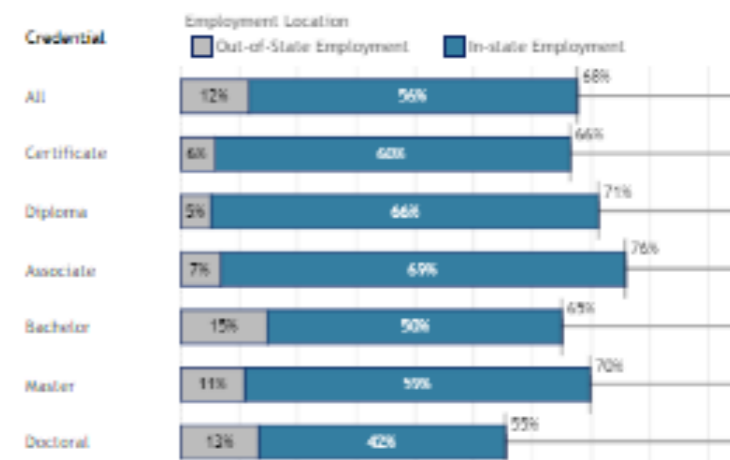
Major Group	Completer Count	In-State Median Wage	Out-of-State Median Wage
All	309,720	\$40,601	\$43,744
Arts and Humanities	50,251	\$29,522	\$31,837
Business	53,200	\$42,097	\$48,806
Education	38,290	\$48,704	\$42,228
Health	66,226	\$44,068	\$50,885
Social and Behavioral Sciences	45,003	\$35,215	\$38,460
STEM	34,603	\$45,628	\$51,778
Trades	22,147	\$36,035	\$39,598



Employment Outcomes by Credential

This section provides employment outcomes for each credential level.

Credential	Completer Count	In-State Median Wage	Out-of-State Median Wage
All	309,720	\$40,601	\$43,744
Certificate	30,471	\$23,497	\$25,306
Diploma	5,133	\$32,619	\$34,434
Associate	53,350	\$36,646	\$39,135
Bachelor	143,920	\$38,039	\$41,247
Master	62,155	\$52,491	\$54,599
Doctoral	14,691	\$70,197	\$66,551



Employment Outcomes by Student Origin

This section provides employment outcomes for student origin groupings. Student origin is based on residency information as reported to the state's higher education agency. When the state or origin matches the state of the higher education institution, the individual is considered of "In-State" origin.

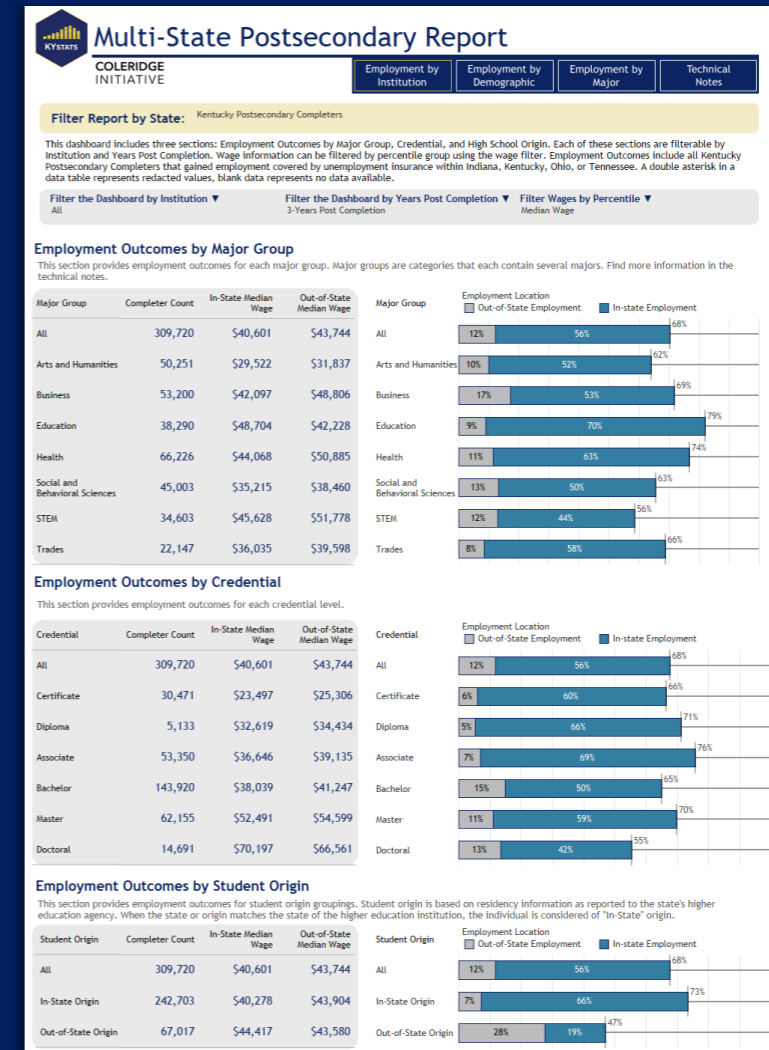
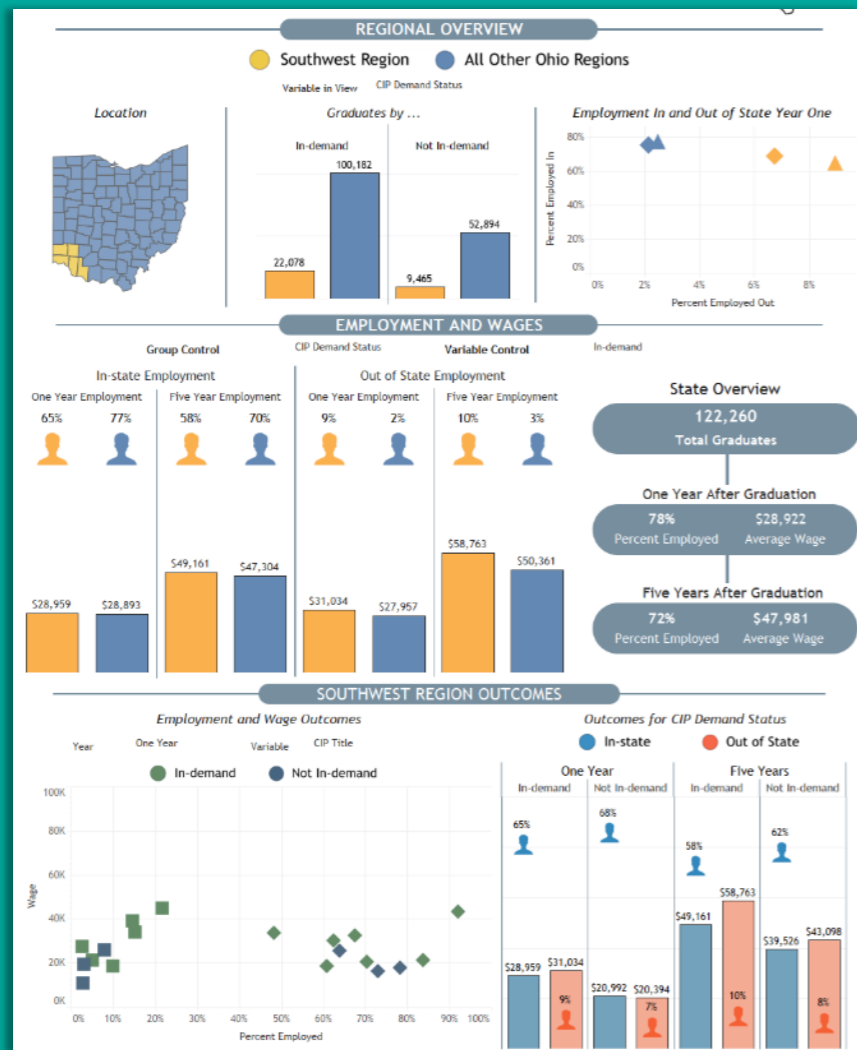
Student Origin	Completer Count	In-State Median Wage	Out-of-State Median Wage
All	309,720	\$40,601	\$43,744
In-State Origin	242,703	\$40,278	\$43,904
Out-of-State Origin	67,017	\$44,417	\$43,580



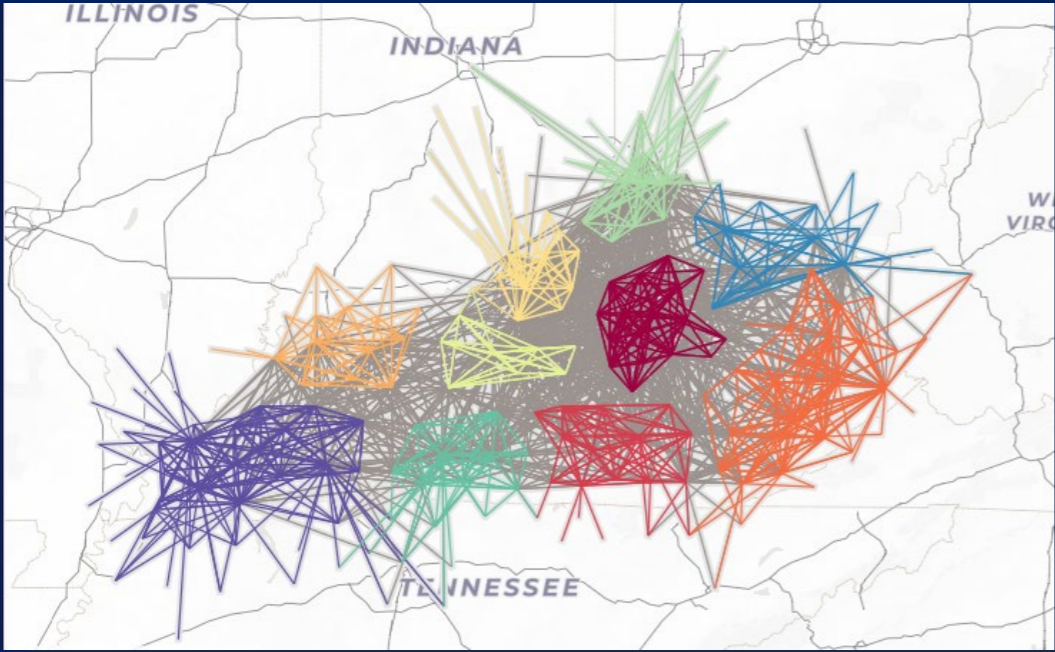
And Continue to Evolve...

What was Different?

WHERE ARE WE NOW?

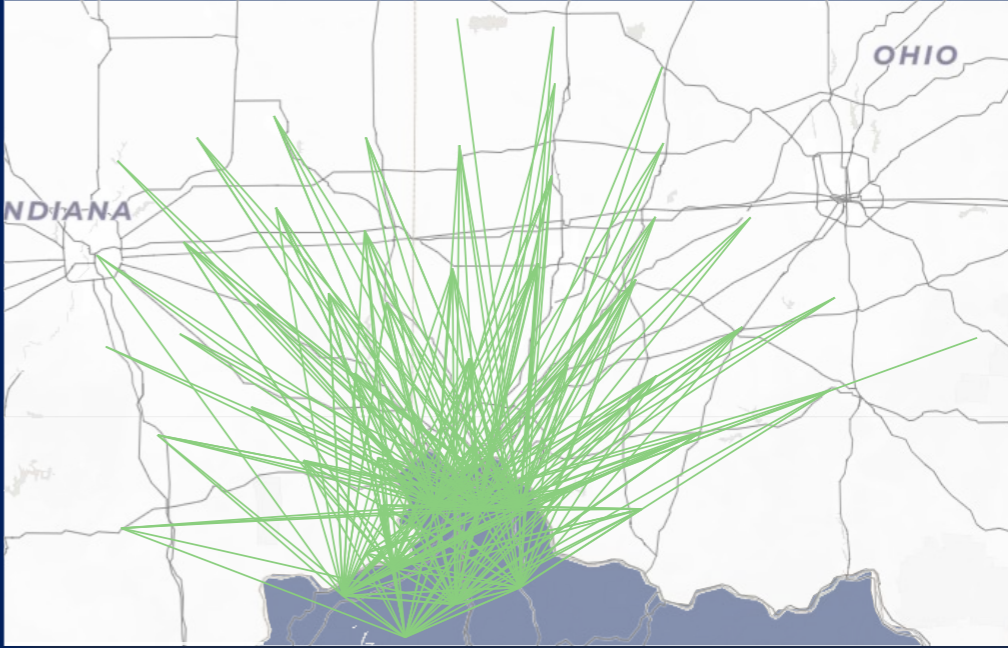


Evolution of the MSPSR



All Kentucky Institutions

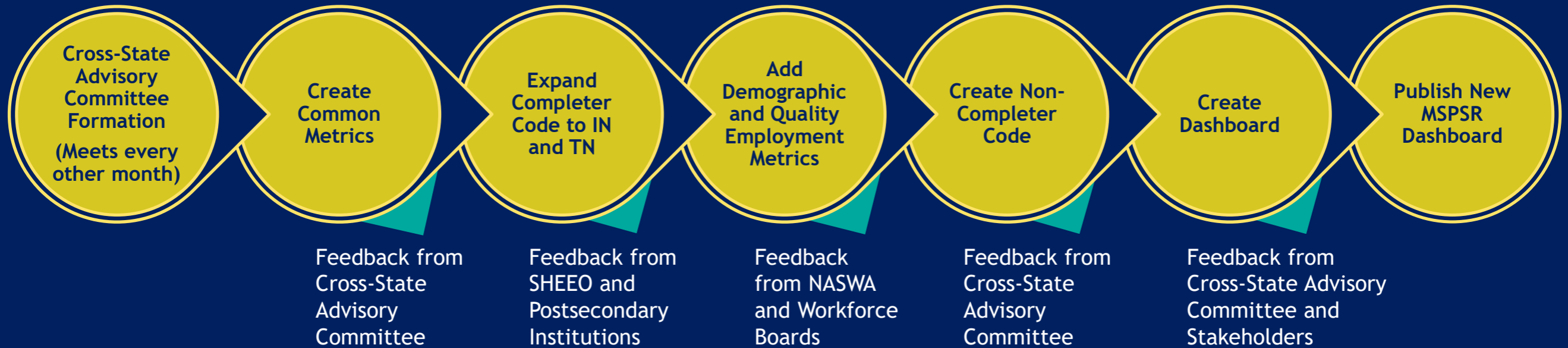
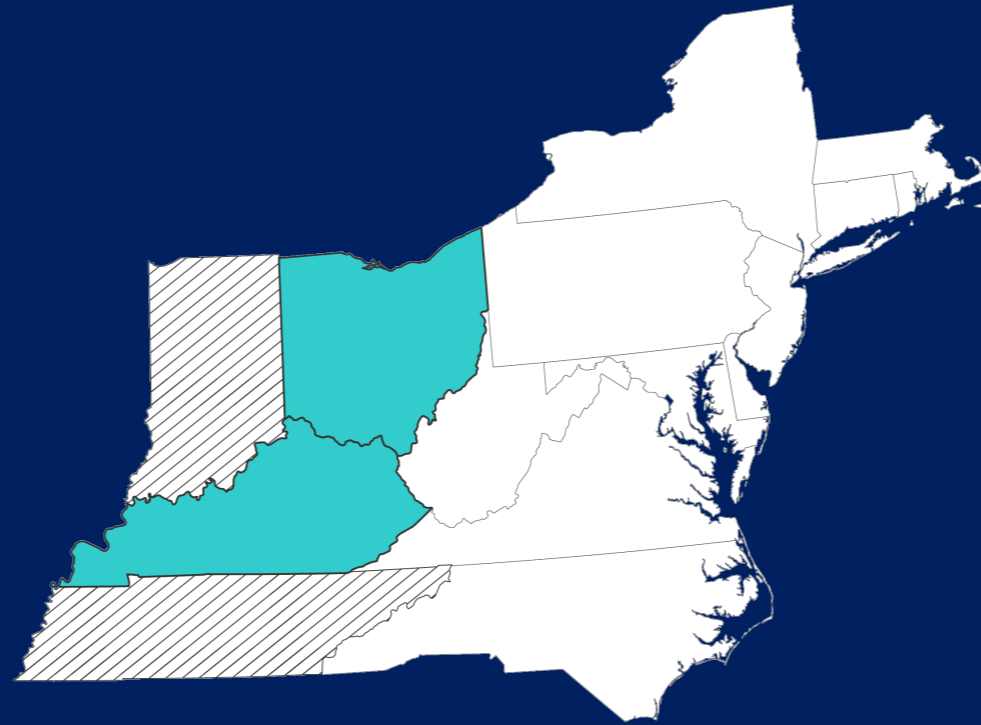
57.5%
Employed in Kentucky 3 years after graduation



Northern KY University

41.1%
Employed in Kentucky 3 years after graduation

Where we are Headed



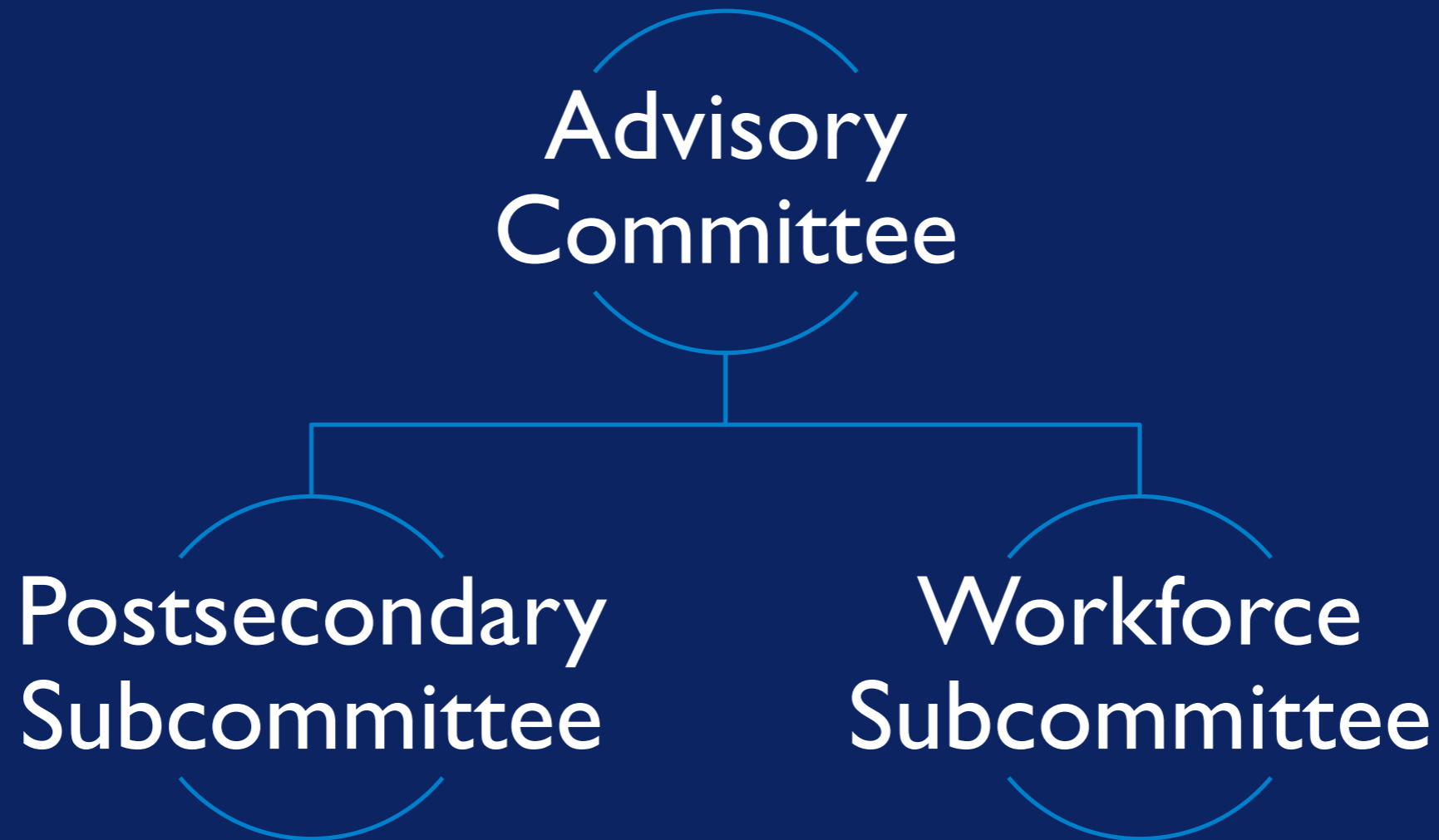
How we Will Get There

Expanding the Multi-State Postsecondary Report: Collaborative Education to Workforce Flows

Deliverables	Timeline					
	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Task 1: Create a Cross-State Advisory Committee and Conduct Meetings						
Deliverable 1 – A cross-state advisory committee						
Deliverable 2 – A list of questions the MSPSR should address						
Deliverable 3 – Prioritized metrics to address the questions defined by the advisory committee						
Deliverable 4 – Meeting minutes from the advisory committee meetings						
Task 2: Develop and Document Metrics						
Deliverable 1 – A list of metrics with definitions, calculations, and methodologies for incorporating in the expanded MSPSR cross-referenced to the questions each metric will address.						
Deliverable 2 – A gap analysis that identifies additional data elements needed per metric to accomplish the scope of this work.						
Deliverable 3 – Data sharing agreements allowing the incorporation of the additional data elements identified in deliverable 2.						
Task 3: Develop Code for New MSPSR						
Deliverable 1 – Documented reproducible code for the base level MSPSR						
Deliverable 2 – Documented reproducible code for the expanded level MSPSR						
Task 4: Develop the New MSPSR Dashboard						
Deliverable 1 – Draft of the completer section of the dashboard for review						
Deliverable 2 – Draft of the non-completer section of the dashboard for review						
Deliverable 3 – Draft of the entire dashboard for review						
Deliverable 4 – Final published dashboard						



Who Will Get us There



- Highest Credential
- Completer vs. Non-Completer

- Quality Employment Metrics



Panel Session

Panelists

Dana Brandt

Director

DataSpark | Rhode Island Longitudinal Data System (RILDS)

University of Rhode Island

Tod Massa

Director, Policy Analytics

VLDS (Virginia Longitudinal Data System) Lead

State Council of Higher Education for Virginia

Thank you!

- For more information about the collaboratives, go to <https://www.naswa.org/partnerships/multi-state-data-collaboratives/about>
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