LINKING EDUCATION AND LABOR MARKET DATA WITH THE OHIO LONGITUDINAL DATA ARCHIVE

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The Ohio Education Research Center is a network of Ohio-based researchers and research institutions, that develops and implements a statewide, preschool-through-workforce research agenda to address critical issues of education practice and policy.
OERC SCOPE

- Build data archive (Ohio Longitudinal Data Archive)
- Conduct research and evaluation projects
- Translate research into actionable practices
- Promote best practices
OERC OUTREACH

- Make research practical
  - Relevant to current problems of practice

- Connect research to current policy issues
  - Provide evidence for policy decisions

- Build relationships with education stakeholders
  - Practitioners and policy leaders
OERC PARTNERS AND SECTORS

Pre-K to 12 Education
Ohio Dept. of Education

Higher Education
Ohio Board of Regents

Early Childhood Workforce
Ohio Dept. of Job and Family Services

Ohio Education Research Center
THE DATA BEHIND THE ANALYSIS

Select Graduates (HEI)

Link Grads to Their Employers (UI Wage)

Link Employers to Industries (QCEW Employer Enterprise)
REPORTING EXAMPLES

- High School Career and Post Secondary Education Products
- Higher Education to Employment Reporting
Using data from the Ohio Longitudinal Data Archive (OLDA), the OERC has been able to answer many of these questions, beginning for high schools, and present them in a format that schools can use.

- The report has four key question areas:
  - What are the employment outcomes of high school graduates?
  - What are the post secondary education outcomes of high school graduates?
  - What is the quality of post secondary education high school graduates are carrying out?
  - What happens to individuals that do not graduate from high school (dropout)?
North Union County Local School District Workforce and Higher Education Outcomes

Kristin Harlow, JD, The Ohio State University
Lisa Neilson, PhD, The Ohio State University
WHAT KIND OF EMPLOYMENT EXPERIENCES DO STUDENTS HAVE AFTER SCHOOL?

Percent Employed in Ohio

4q=all four quarters  <4q= at least one quarter of fiscal year
HOW WELL DO SCHOOLS COMPARE WITH EACH OTHER IN REMEDIAL EDUCATION?

Figure 6. Proportion of Students Enrolled in an Ohio Public College or University Enrolled in At Least One Remedial Course in the Year Following High School Graduation

Comparison of North Union HS Graduates to Marysville and Fairbanks HS Graduates
EXAMPLE 2: COLLEGE OUTCOMES

WHAT ARE THE EMPLOYMENT OUTCOMES OF COLLEGE

- Wages
- Working status
- Industry
OHIO’S COLLEGE GRADUATES
HIGHER EDUCATION AND EMPLOYMENT

Program Graduates and Average First Year Earnings (2010S)
Click on a bar to view graduates of that subject.

Ohio Higher Ed Outcomes
First year employment and earnings of public college graduates. Wages calculated based on graduates found working in Ohio with non-zero earnings in the second quarter following graduation. Graduates working outside Ohio, self-employed, and federal employees are not captured in this analysis. Thus, some degrees, especially doctoral and professional degrees, may seem to have a low employment rate, but graduates may have found employment outside of Ohio that is not captured in this data. All programs with fewer than 10 graduates in a given year are excluded to maintain individual confidentiality. Program subject determined using 4-digit CIP code.
Average First Year Earnings (2010$) & Found Working in Ohio (%)

- Graduates: 1, 100, 200, 300, 360
- Level: Master’s degree

Percent Found Working vs. Average Earnings. Color shows details about Level. Size shows sum of Graduates. Shape shows details about Level. Details are shown for Inst Inst and Cip4Subj. The data is filtered on Org Type and Action (Cip4Subj). The Org Type filter keeps multiple members. The Action (Cip4Subj) filter keeps 190 members. The view is filtered on Cip4Subj, Inst Inst, Year and Level. The Cip4Subj filter keeps multiple members. The Inst Inst filter keeps 30 of 30 members. The Year filter keeps 2012. The Level filter keeps Master's degree.
THE FUTURE: DASHBOARDS FOR WORKFORCE PROGRAMS
RESOURCES

- OLDA Data Resources - [http://oerc.osu.edu/data/about](http://oerc.osu.edu/data/about)

- Example Research Briefs Using OLDA Data
  - [Teacher Supply and Demand](http://oerc.osu.edu/data/about)
  - [North Union report](http://oerc.osu.edu/data/about)

- Visualizations
  - Will be posted via links on the Ohio Analytics Sites
THANK YOU