



# Ohio Analytics

Below are OhioAnalytic report synopses and links to the full reports. For a complete list of OhioAnalytic research proposals and their status, see [projects](#).

2017

**[The Workforce Supply tool](#)**: provides businesses with historical information on graduates from high demand fields in Ohio, and projections for the number of graduates available in 2016 and 2017. The occupation information is available for the State of Ohio as a whole, and for individual JobsOhio Regions. Individual occupations have two types of information, 1) background data on the occupation, with actual earnings and individuals with unemployment claims in specific occupations, and 2) supply of potential workers in specific occupations by educational level.

2016

**[The Central Ohio Compact Dashboard](#)**: An integrated data system that combines state employer data and high-school and post-secondary education records. It offers a picture of where we are as a region in producing job-ready graduates.

These reports will enable education leaders to identify best practices and areas in need of attention, equip students to make more informed decisions on their future and help employers find skilled workers to satisfy their needs.

**[Building Sustainable Communities in Ohio's Shale Region](#)**: The Economic Development Administration (EDA) grant funded project is a collaborative initiative between Ohio State University Extension and four major shale producing regions within Ohio. The project is designed to connect the four regions economic research related to the current oil and gas boom in Ohio to inform the development of long term planning strategies that support long-term economic viability and community sustainability.

2015

**[Postsecondary Outcomes of an Ohio City School District](#)**: The Ohio Education Research Center (OERC) compares outcomes of both students who exited high school early without a diploma and those who graduated on time.

2014

**[Workforce Success Measures Dashboard](#)**: At the request of the Governor's Executive Workforce Board and in response to recommendations from the Unified State Plan process, the Governor's Office of Workforce Transformation worked with local providers and stakeholders and the Ohio Education Research Center at The Ohio State University to develop a common set of workforce success measures. These measures allow program administrators and policy makers to continually monitor progress across multiple programs and providers, creating better transparency and greater accountability.



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**Workforce Outcomes of WIA On-the-Job Training in Ohio:** Using administrative data from Ohio's Workforce Investment Act Standard Reporting Data and Unemployment Insurance Systems, we create a longitudinal data set to analyze workforce outcomes of individuals participating in WIA-funded on-the-job training. Using Mahalanobis distance matching and propensity score matching techniques, we create a match group for the training participants to minimize selection bias in the analysis of outcomes, we find that over four years, on-the-job training participants see a larger increase in wages than comparisons, and see a smaller decrease in percentage working than comparisons.

**Ohio Higher Education Outcomes Visualization:** The visualization is created using data reported to the Ohio Board of Regents from each two-year and four-year Ohio public college and University for the Higher Education Information System, linked with data reported to the Ohio Department of Job and Family Services regarding employee salaries paid by employers within Ohio as a part of their requirements to the Unemployment Insurance system. The dashboard presents 1- and 6-year post-degree outcomes for each of 5 graduation years (2002-2006). A second dashboard presents flows by program area to industries of employment. See the [public tableau](#).

2013

**Training Externalities and Institutional Determinants - Assessing Retention in Ohio Apprenticeship Programs:** Applying an Institutional Analysis and Development (IAD) framework, this study systematically inquiries into the factors that contribute to the underdevelopment of apprenticeship programs. Specifically, this study examines how cooperative strategies lead to training outcomes and what impact these outcomes have on employers' apprenticeship investment.

**North Union County Local School District Workforce and Higher Education Outcomes:** North Union provided the OERC access to student records for six cohorts of graduates of North Union High School; database administrators at the Center for Human Resource Research (CHRR) matched these records with employment and higher education records currently held in the Ohio Longitudinal Data Archive. A matched, de-identified dataset was then provided to OERC analysts for tracking student employment and education outcomes over time.

2012

**Where do Ohio's College Graduates Work?:** This Circos diagram and analysis provides insight into Ohio's labor market supply by mapping higher education credentials by subject to subsequent employment by industry. The right half of the circle represents subject areas of the highest degree. The left half of the circle represents the industry of employment.