State of Ohio Annual Report
Workforce Information Grant Accomplishments
July 1, 2012 – June 30, 2013

This report by the State of Ohio is a summary of accomplishments under the State Workforce Information Grant in meeting the requirements of the PY 2012 grant.

1. Populate the Workforce Information Database (WIDb) with state and local data:
The Ohio Bureau of Labor Market Information (LMI) maintains version 2.5 of the database. Data are reported for Ohio counties, Economic Development Regions, One-Stops/Workforce Investment Areas, metropolitan areas, the state and the nation. All core tables have been populated according to guidelines.

The database is maintained as an Access database on an internal server. Many databases are updated monthly, while others are maintained quarterly, annually or biennially as appropriate. Parts of the database that are used in online tools are copied into other databases rather than allowing queries to access the master database.

2. Produce and disseminate industry and occupational employment projections:
The employment projections are produced using the Projections Suite software provided by the Projections Managing Partnership. Extracts for the Workforce Information Database are created and loaded. Reports are available on the projections page of the *Ohio Labor Market Information* website (http://OhioLMI.com/PROJ/Projections.htm).

1. Produced the state short-term employment outlook, 3rd Quarter 2012 to 3rd Quarter 2014, and distributed according to procedures established by the Projections Managing Partnership. The short-term projections are available at http://ohiolmi.com/proj/ShortTerm.htm.
2. Produced the long-term (2010-2020) employment projections for six JobsOhio regions and submitted to the BLS for review on June 30. Produced long-term projections for the eight major Metropolitan Statistical Areas (MSAs). Both the regional and MSA long-term projections are available at http://OhioLMI.com/proj/OhioJobOutlook.htm.
3. LMI also produced several products based on projections data aimed at job seekers and those exploring careers:
    a. The *Buckeye Top Fifty* flyer lists 50 jobs with above-average annual earnings and growth rates faster than the statewide average. The Buckeye Top Fifty is available as a PDF for easy printing at (http://www.odjfs.state.oh.us/forms/findform.asp?formnum=08076), and it also has been formatted for printing as an 18x 24 inch poster (http://www.odjfs.state.oh.us/forms/findform.asp?formnum=08078).

b. The *Occupational Trends* pamphlet assists users in making informed career, education and training decisions. It is available online at (http://ohiolmi.com/proj/projections/ohio/OccupationalTrends.pdf)

c. Industry Snapshots reports are select industry reports of long-term (2010-2020) employment projections for the following industry clusters and business functions that align with JobsOhio's targeted industry sectors: advanced manufacturing; aerospace and aviation; automotive; biohealth; business functions; energy; financial services; food processing; information technology and services; logistics; and polymers and chemicals. The Snapshot reports present annual openings and wage data for the largest occupations in the clusters. The Industry Snapshots can be found at http://ohiolmi.com/proj/JobsOhioInd.htm.

d. Ohio occupation and industry projections are also incorporated in other sites such as the Ohio Career Information System (OCIS), a career exploration website maintained by the Ohio Department of Education.

e. The monthly *Ohio Leading Indicators* publication is a related product that provides an employment outlook with a three- to six-month horizon for Ohio and its eight largest metropolitan areas. This publication may be found at: http://OhioLMI.com/PROJ/LeadingIndicators.htm.

3. Conduct and publish relevant economic analyses, special workforce information, and/or economic studies determined to be of benefit to the governor and state and local WIBs:

1. The report Manufacturing in Ohio: A Post-Recession Employment Outlook examines expected employment trends in Ohio's manufacturing industries. Although manufacturing employment has been declining, the industry has more employment opportunities than might be expected. Post-recession hiring, the need to replace retiring workers, and new skills needs are some changes expected to affect manufacturing over the next few years.

2. LMI produces a monthly briefing on the Ohio labor market for the governor. The briefing covers monthly unemployment rates, unemployment insurance claims, employment data and trends, and selected reports on other economic analyses and indicators.

3. Drilling for oil and gas in Utica and Marcellus shale formations is increasing in Ohio, and LMI produces quarterly reports that track employment and wages in core and ancillary shale industries. Ohio also produces an annual report as required by Ohio Revised Code 6301.12. These reports are available at http://ohiolmi.com/OhioShale/OhioShale.htm.

4. LMI supports OhioMeansJobs, the State of Ohio's online job bank, by producing reports using data from Wanted Analytics about online job postings. Three reports are produced monthly for the state and for the six JobsOhio regions. One report is a general 'snapshot' that shows monthly changes in online ad volume, top employers and top occupations. The second report lists the month's top occupations in each major occupational group. The third report tracks ads for internship opportunities. These reports are hosted at

http://ohiolmi.com/asp/omj/hw.htm and are usually reached through
http://OhioMeansJobs.com.

5. LMI includes value-added products on its website to assist its customers:

   a. Employment and Wages by Industry Query, based on Quarterly Census of Employment & Wages summary data, include the number of establishments, number of workers, total wages paid, and average annual wages for privately owned businesses for the years 2000 to the most current quarter available. Annual and quarterly data are available for the state, major metropolitan areas, Workforce Investment Areas, and counties. This query tool is available at: http://ohiolmi.com/asp/edeps/EdepsNAICS.htm.

   b. The Current Employment Statistics Query provides industry employment data for Ohio and 13 Metropolitan Statistical Areas from 1990 onward and Ohio annual averages from 1939. Data are available as seasonally adjusted and unadjusted, and can be downloaded as an Excel file. This tool is available at: http://ohiolmi.com/asp/CES/CES.htm.

6. Workforce Data Quality Initiative (WDQI) – A proposal for 2013 U.S. Department of Labor WDQI grant (SGA-DFA-PY-12-07) was prepared and submitted. Ohio was funded by this second WDQI grant. In response to data security concerns raised by the ODJFS Legal Counsel, legal protections for the TANF data held by OSU was researched and documented. At issue is whether or not data held by the OSU would be legally protected from public record seizures. Meetings will continue between legal counsel and other legal experts. In the meantime, UI claims data has been added and TANF and SNAP data removed until legal concerns have been resolved.

   During this period, the grant implementation managers focused on other items that would strengthen partnerships. Ohio partners have been working on several data integration and analysis activities. They are briefly described here:

   a. RAPIDS/Apprenticeship Data: Mathematica Inc. used the Ohio Longitudinal Data Archive (OLDA) to conduct a DOL-funded evaluation of registered apprenticeship programs.[1] This also resulted in a dissertation by Yun Hsiang Hsu.[2] A second dissertation used linked HEI, wage, and employer data from the OLDA, generating conclusions about employment outcomes of Ohio's STEM graduates.[3] An upcoming study by IMPAQ International, a social science research and consulting firm, will use the OLDA to evaluate an employment program in Ohio.

   b. Education Data/ODJFS Data: Data sharing agreements for three school districts are in progress. One has been finalized, one drafted and one is in the initial discussion phase. The K-12 public school data from the Ohio Department of Education were received, and staff were assigned to

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[1] Reed, Debbie et.al (2012). An effectiveness assessment and cost-benefit analysis of registered apprenticeships in 10 states. (Mathematica Policy Research Inc.).

[2] Hsu, Yun-Hsiang (2013). Training externalities and institutional determinants: Assessing retention in Ohio apprenticeship programs. (The Ohio State University, Ph.D. Dissertation, John Glenn School of Public Affairs).

[3] Edwards, Stacia (2013). STEM in the Ohio labor market: A mismatch or a missed opportunity? (University of Pennsylvania, Ed.D. Dissertation, Graduate School of Education).

document and prepare the Education Management Information System (EMIS) data for researcher use and access.

In addition to items noted in the above summary, the Ohio partners regularly participated in national WDQI and Statewide Longitudinal Data Systems (SLDS – WDQI) conference call meetings.

4. Post products, information and reports on the Internet: LMI maintains the Ohio Labor Market Information website (http://OhioLMI.com) to disseminate information. The Ohio Labor Market Information site is designed in-house and has been in operation for more than eighteen years. It has the advantage of broad flexibility, since we can readily design customized applications for data presentation and easy access to a wide array of reports and publications.

During PY 2012, the Ohio Labor Market Information website migrated to new web content management software and servers to improve data security. During PY 2012, the website received 1,618,000 web hits, an average of about 13,480 hits per month. The most heavily used areas of the site are (in descending order):

- Ohio and substate long-term employment projections (http://ohiolmi.com/proj/OhioJobOutlook.htm);
- Civilian labor force estimates query tool (http://ohiolmi.com/asp/laus/vbLaus.htm);
- Ohio leading indicator reports (http://ohiolmi.com/proj/LeadingIndicators.htm);
- Career Exploration tool (http://ohiolmi.com/asp/Career/JobTool.asp);
- Monthly *Labor Market Review* (http://ohiolmi.com/ces/LMR.pdf);
- Quarterly State of Ohio Workforce reports (http://ohiolmi.com/wf_quarterly/OhioWorkforce.htm);
- Workforce analysis reports (http://ohiolmi.com/wa/workforceanalysis.htm); and,
- Short-term state employment projections (http://ohiolmi.com/proj/ShortTerm.htm).

5. Consult on a continuing basis with workforce investment boards and other key workforce and economic development partners and stakeholders: LMI has continued assisting One-Stop staff and others through training and services provided by LMI researchers and labor market analysts. In addition, there have been specific tasks and outreach highlighted in the following:

1. LMI maintains a presence with the state and local Workforce Investment Boards and One-Stops through presentations to these groups, targeted products for their use, and assistance with planning processes. LMI also has regular support staff representation at the WIB Director's meetings.

2. LMI supported the needs of Ohio's workforce systems in the national arena through membership on the National Association of State Workforce Agencies LMI Committee, PMP Board member, and representation on the Workforce Information Council and the LED Steering Committee.

3. LMI staff facilitated four presentations on labor market data and tools to 180 external customers. LMI also conducted workshops, classes, and webinars for 294 internal and external customers; these included job search workshops held in county One-Stops; classes for new employees in the ODJFS' Office of Local Operations; continuing education classes as part of ODJFS' Employment Services Institute and webinars on labor market information and tools for external customers, county employees and ODJFS employees. LMI researchers and analysts respond to individual customer requests on a daily basis. During PY 2012, LMI responded to more than 300 requests for data and assistance and participated in career day for youth.

4. LMI has established tools for feedback and outcome monitoring. We established an online survey for comment on our Internet- based products and services (http://OhioLMI.com/feedback.htm) and a desktop menu for recording customer inquiries with our office. We regularly distribute presentation and training assessment surveys. We also consider usage statistics as significant indicators of the value of our services.

5. LMI distributed more than 300 sets of each semiannual edition of the Analyst Resource Center Employer Database from Infogroup in PY 2012. The database is distributed to local One-Stop offices, Job and Family Services offices, job development staff and others. This year the Ohio Rehabilitation Services Commission signed an intermediate-user agreement to provide their counselors with networked access to the database.

6. LMI provides support services to http://OhioMeansJobs.com, the State of Ohio's online job bank, by processing information from job applicants to be converted into online resumes.

7. LMI continues to provide technical assistance for Office of Workforce Development programs. LMI developed Return on Investment (ROI) calculations for Workforce Investment programs for local WIA boards, and we continue to be a part of that effort. We also worked with units within Workforce Development on ways to improve their performance reporting.

The One-Stop Workforce Information Grant gives LMI the flexibility to customize its products to meet the needs of workforce development in Ohio. We are well- paced to expend the funds allotted to Ohio under the grant. LMI has lost staff due to retirements and is in a stage of gearing back up to levels supported by the grant.

Summary: Overall, we feel we have been very successful in completing the items outlined in the "Statement of Work Deliverables." We have fulfilled the specific deliverables (maintaining the Workforce Information Database, producing state and substate industry and occupational employment projections, and producing an annual economic analysis report for the governor and the Governor's Executive Workforce Board) as required. We have fulfilled the less specific deliverables (posting information, partnering and consulting, and producing special reports and analyses) in a manner that has best suited our customers' needs. We remain flexible in responding to customers' needs and continue to better align LMI with workforce and economic development.