

Annual Performance Report

PY 2022

The Oklahoma Employment Security Commission (OESC) Economic Research & Analysis Division collects information with the help of employers, the public, government agencies, and various other entities. The Labor Market Information (LMI) unit is a part of the division. It's our mission to produce, analyze, and deliver timely and reliable labor market statistics to improve economic decision-making. In accordance with the Employment and Training Administration's (ETA) guidelines for grant deliverables for Program Year 2022, the accomplishments of the Labor Market Information (LMI) unit are outlined below.

i. Workforce Information Database (WID)

The Workforce Information Database (WID) provides a standard collective structure to store state's data using integrated information.

The OESC LMI Unit continued to populate the WID 2.8 with state and local data. We populated WID 2.8 in May 2023 with statewide short-term (2022-2024) employment projections data and in accordance with guidelines issued by the Analyst Resource Center (ARC).

All ARC designated core tables were populated in WID 2.8 with updated data during PY 2022.

The OESC LMI website offers visitors a chance to comment on their general satisfaction and the site ease of use. We also provide a venue to offer suggestions or critiques of our website. There is accomplished with an anonymous survey tool that is advertised on the main LMI page and is offered passively.

Based on the results of our 2021 LMI Customer Satisfaction Survey, our customers expressed that while they found the content 'Exceptional' but the website design 'Below Expectations'. During PY 2022, we re-designed the LMI website for improved navigation, and providing interactives that allows users to visually see trends in various datasets as well as download the data for the four BLS programs: [LAUS](#), [CES](#), [QCEW](#) & [OEWS](#). All data is updated on the site as soon as it is available for public release.

Additional interactives include:

1. [Long-term \(ten year\) and short-term \(two year\) industry employment and occupational projections for the state of Oklahoma, long-term for the Metropolitan Statistical Areas \(MSAs\) and the Balance of State areas;](#)
2. [Oklahoma Employer Locator](#)
3. [Oklahoma Licensed and Certified Occupations](#)

ii. Industry and Occupational Employment Projections

The OESC LMI unit produces and disseminates long-term industry and occupational employment projections for the state of Oklahoma and Oklahoma's Metropolitan Statistical Areas (MSAs) and Nonmetropolitan Areas and short-term industry and occupational employment projections for the state of Oklahoma. Short-term projections cover two years, and long-term projections cover ten years. The projections are created using the methodology, software tools, and guidelines developed by the Projections Managing Partnership (PMP) consortium. The data is reviewed for reasonableness before being published.

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After long-term employment projections for the state are developed and disseminated, the OESC LMI unit produces a chart publication providing past and expected occupational job trends. The publication not only examines broad trends, but also includes a focus on the outlook for jobs by education requirement. In addition, a STEM occupations and employment special report and a Periodic Table (poster) is produced using long-term employment projections results and the Occupational Employment and Wage Statistics (OEWS).

Most of our customers we surveyed in the 2022 LMI Customer Satisfaction Survey found our website ‘Very Helpful’ in assisting them in making informed career, business, curriculum, or other decisions and expressed that they would prefer to see more interactive charts, maps, and tables on our website. The long-term and short-term projections are displayed on LMI website and are provided in both Excel and PDF formats as well as in the interactive Tableau. Information, tables and interactive applications about the projections can be accessed at: [Industry and Occupational Employment Projections \(oklahoma.gov\)](https://oklahoma.gov/industry-and-occupational-employment-projections)

The primary activity for PY 2022 was the creation of long-term industry and occupational projections for Oklahoma Metropolitan and Non-metropolitan Statistical Areas (MSAs and BOS areas) for the 2020-2030 period. In addition, statewide short-term projections for the 2022-2024 period were developed for industries and occupations. We have also moved to the cloud version of Projections Suite hosted by Utah Labor Market Information Tools and Applications ([ULMITA](https://ulmita.com)).

Accomplishments:

Long-term employment projections (2020-2030) for the state of Oklahoma were produced in PY 2022 and published in July 2022.

Short-term industry and occupational projections (2022-2024) data were completed and submitted to ETA by March 2023.

Short-term industry and occupational projections (2022-2024) data were published online in March 2023.

Long-term employment projections (2020-2030) for Oklahoma MSAs and BOS areas were completed in PY 2022 and published in July 2023.

iii. LMI Training for Service Delivery

It has been challenging finding the right employees as well as retaining them. Employee training and development are vital not only to help employees’ professional growth but also to deliver quality service to our data users. We encourage our staff to attend any available LMI related trainings of their interest physically or virtually to expand our knowledge and develop more update-to-date skills.

We have reached out to the staff at the State Department of Education about doing trainings for them on our data products.

In addition, we have been looking into developing some online tools such as YouTube to provide training to our users.

During PY 2022, we participated in various virtual trainings including Tableau, BLS, Census LED/QWI webinars, and PMP online trainings related to the data and programs we have been working on to ensure quality service delivery. In addition, we attended Workforce GPS webinars for Reemployment Services and Eligibility Assessment Program (RESEA).

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Below is a list of virtual trainings, classes, and other meetings that we have participated:

Online Training	Workday@OK Employee Self-Service Training
Webinar	RESEA Peer Learning
Virtual Conference	2022 Future of Work Summit: PMP Virtual Summit
Online Training	EXCELing with Formulas
Webinar	Impacts of the Pandemic Recession and Re-Employment in Oregon
Webinar	PMP Skills Projections Training Webinar
Webinar	Using CLEAR to Find Strategies that Address Equity
Webinar	Practical LAUS - Section 4 Statewide
Webinar	QCEW for LAUS – QUEST
Webinar	Practical LAUS - THE LAST SESSION (Session 7 LAUS and everyone else)
Webinar	Seasonal Adjustment Refresher
Online Training	Pre-submittal Meeting: Wage Records
Virtual Conference	2023 Local Employment Dynamics (LED) Partnership Virtual Workshop
Webinar	Informed Use of Evidence for RESEA Evaluations
Webinar	Research Consortium-Wage Records
Webinar	Understanding RESEA Participant Experiences
Online Training	LEWIS Virtual Beginner Training
Teams	OESC Data Classification Project
Online Training	Projections Suite Cloud version (ULMITA)

During PY2022, Labor Market Information presentations were provided to the agency commission on a bi-monthly basis to provide economic updates. An LMI presentation was also offered to OESC local office managers. A presentation was also given to the Oklahoma Institute for Child Advocacy to provide economic update and an introduction to LMI products.

iv. Annual Economic Analysis and Other Reports

The LMI unit produces and publishes annual economic analysis report each year examining long-term economic trends both statewide and nationally covering various aspects of economic performance, labor market dynamics, consumer spending and income. In addition, using the labor market information data both from the Oklahoma Employment Security Commission and the Department of Labor, various other studies and reports are conducted and produced for the state of Oklahoma.

During PY 2022, the LMI unit has continued to produce monthly economic indicator reports in order to provide our customers with timely and relevant information regarding both the Oklahoma and U.S. economies. We continue to update the Business Employment Dynamics (BDM) report on a quarterly basis and posted on our LMI website. Other reports such as CES Benchmark, OEWS, QCEW and LAUS are updated annually when the annual or benchmark data are available.

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Accomplishments:

2022 Annual Economic Report	September 2022	Online publication
Program Year 2021 Workforce Information Annual Performance	October 2022	Online publication
2021 Quarterly Census of Employment and Wages	December 2022	Online publication
Urban Oklahoma Health Industry and All Industry Employment and Earnings: A Trend Analysis Comparison of Change by Age and Gender, 2012 to 2021	January 2023	Online publication
STEM Occupations and Employment: A Brief Review for Oklahoma	January 2023	Online publication
Science, Technology, Engineering & Mathematics (STEM) Periodic Table (poster)	January 2023	Online publication
Characteristics of Hispanic and Latino Workers in Oklahoma: 2001-2022	February 2023	Online publication
Oklahoma Economic Indicators (Monthly)	Monthly	Online publication
Oklahoma Employment Business Dynamics (Quarterly)	Quarterly	Online publication
Oklahoma CES Online 2022 (1990-2022) Online Application	March 2023	Online application
Oklahoma Wage Report 2022	May 2023	Online publication
Oklahoma Labor Force Data 2022	May 2023	Online publication
2022 Oklahoma CES Benchmark	May 2023	Online publication
Employer Locator Online Application	Updated September 2022 and March 2023	Online application

Links to Annual Economic Analysis and other reports:

2022 Annual Economic Report

[oklahoma-annual-economic-report-2022.pdf](#)

Program Year 2021 Workforce Information Annual Performance

[Annual Performance Report \(oklahoma.gov\)](#)

2021 Quarterly Covered Employment and Wages

[quarterly-census-employment-wages-2021.pdf \(oklahoma.gov\)](#)

Urban Oklahoma Health Industry and All Industry Employment and Earnings: A Trend Analysis Comparison of Change by Age and Gender, 2012 to 2021

[urban-oklahoma-health-industry-2023.pdf](#)

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STEM Occupations and Employment: A Brief Review for Oklahoma
[stem-occupations-employment-2022.pdf \(oklahoma.gov\)](#)

Science, Technology, Engineering & Mathematics (STEM) Periodic Table (poster)
[stem-employment-chart-2022.pdf \(oklahoma.gov\)](#)

Characteristics of Hispanic and Latino Workers in Oklahoma: 2001-2022
[characteristics-hispanic-workers-2023.pdf \(oklahoma.gov\)](#)

Oklahoma Economic Indicators
[Oklahoma Economic Indicators - September 2023](#)

Oklahoma Business Employment Dynamics
[Oklahoma Business Employment Dynamics - 4th Quarter 2022](#)

Oklahoma Wage Report 2022
[Oklahoma Employment and Wage Report 2022](#)

Oklahoma Labor Force Data 2022
[Oklahoma Labor Force Data - 2022](#)

2022 Oklahoma CES Benchmark
[Oklahoma CES Benchmark Report 2022](#)

Links to long-term statewide and subarea 2020-2030, and short-term 2022-2024 statewide employment projections:

[Industry and Occupational Employment Projections \(oklahoma.gov\)](#)

Links to online applications, databases, or Excel files:

Employment Projections Data Interactive Tool
[Industry and Occupational Employment Projections \(oklahoma.gov\)](#)

Oklahoma Employer Locator
[Local Area Unemployment Statistics \(oklahoma.gov\)](#)

Oklahoma Licensed and Certified Occupations Data Interactive Tool
[Oklahoma Licensed and Certified Occupations](#)

CES Data Interactive Tool
[Current Employment Statistics \(oklahoma.gov\)](#)

LAUS Data Interactive Tool
[Local Area Unemployment Statistics \(oklahoma.gov\)](#)

OEWS Data Interactive Tool
[Occupational Employment and Wage Statistics \(oklahoma.gov\)](#)

QCEW Data Interactive Tool
[Quarterly Census of Employment and Wages \(oklahoma.gov\)](#)

CES Online (1990-2022)
[oklahoma-cesonline-benchmarked-data-2022.xlsx \(live.com\)](#)

OEWS 2022 for State, Balance of State, and MSAs (EDS File)
[OEWS_May2022.xlsx \(live.com\)](#)

Unemployment Insurance Dashboard
[Initial and Continued Claims Data \(oklahoma.gov\)](#)

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v. Activities Undertaken to Meet Customer Needs

During the fiscal year, our LMI staff fielded a large number of internal and external data requests. These numbered more than 100 just from our division director alone. Some of these were relatively simple and only required a few moments while others took considerably more resources. They include many indirect interactions with local and national media, monthly reports used as inputs for a UI exhaustion model, and numerous requests for OEWS occupational wage data from employers and others seeking to understand how our labor markets are functioning in this post-pandemic era.

The Balanced Budget Act of 2018 introduced new evidence-based programs and evaluation requirements for the Reemployment Services and Eligibility Assessments (RESEA). During PY 2020, part of our LMI staff joined the RESEA unit as part of the RESEA program evaluation efforts to help state workforce understand if UI claimant needs are met and if the program is effective, and to help improve the program. During PY 2022, we have done all the preliminary work in preparation for an analysis of the current in place OESC RESEA Program for reducing the amount of ‘hard to employ’ UI Claimant benefits’ used. However, OESC is currently in the process of replacing our mainframe hardware and software data storage. Thus, we have been unable to collect or access the data for current RESEA Program Participants, using our in-place planned Quasi-experimental design. As soon as the hardware and software changes are done, we can begin collecting the random control and random treatment groups.

vi. New Tools and Resources

Tableau Visualizations and Dashboards

Tableau software creates data that is easily accessible, downloadable, and updatable. It allows data users with greater data control, interaction and allows data to be sorted, filtered, and viewed. Also, customers can easily share views and embed visualizations in their own websites which are automatically updated. During PY 2022 we added more new features to our Employment Projections interactive visualization, combining long-term and short-term employment projections for the state of Oklahoma as well as subareas into one application via Tableau software.

Wage Records Pilot

During PY 2022, Oklahoma (OESC) joined 15 other state agencies participating in the Wage Records Pilot. The Wage Record Pilot is a joint fed-state cooperative initiative between the Bureau of Labor Statistics (BLS) and participating state agencies to further understand the value of collecting and maintaining a longitudinal database of wage records. The pilot operates under a Memorandum of Understanding between the BLS and participating states.

Urban Oklahoma Health Industry and All Industry Employment and Earnings: A Trend Analysis Comparison of Change by Age and Gender, 2012 to 2021. This updated study is the third in a series of trend analyses of employment and earnings in ambulatory health care services, hospitals, and nursing and residential care facilities industries. Using data from the Longitudinal Employer-Household Dynamics program, this urban study makes weighty comparisons with our previous rural Oklahoma analysis; both studies meaningful and timely, considering the increasing industry workforce portion approaching retirement age findings and the anticipated increasing health needs of Oklahoma’s aging population.

Characteristics of Hispanic and Latino Workers in Oklahoma, 2001-2021. In Oklahoma, the number of Hispanic and Latino workers has more than doubled over the past 20 years, forming an integral and essential part of the state's workforce. This report covers employment trends in this segment of Oklahoma's workforce from 2001 to 2020 using the Census Bureau's Quarterly Workforce Indicators (QWI) dataset.

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2020-30 Occupational Employment Projections Chart Book. This publication contains industry and occupational employment projections data combined with average earnings and educational and skill requirements for the state of Oklahoma. Job seekers along with school and career counselors may find this publication very useful in identifying good paying and in-demand career clusters.

vii. License Requirement(s) Updates

The information of the Licensed and Certified Occupations of Oklahoma was updated and published in May 2022. The state licensing agencies were contacted and solicited for updated information. Due to changing regulations, several occupations have been added or removed. The WID 2.8 License and other related tables were also populated and sent to the Analyst Resource Center (ARC).

viii. Recommendations to ETA for Changes and Improvements to WIGs Requirements

The OESC Labor Market Information program does not have any recommendations for any changes to the grant deliverables.