

New York State Annual Performance Report for the Workforce Information Grant Program Year 2015 (PY 2015)

The New York State Department of Labor (NYSDOL) Division of Research and Statistics is recognized as the premier source of labor market information (LMI) in New York State. The Division is responsible for producing a wide range of labor market data and also provides value-added service in the form of customized, in-depth analysis and interpretation of this data to a variety of stakeholders.

The Division continues to inform the State Workforce Development Board (SWDB) as they develop initiatives and policies in response to the needs of the state and local workforce system. We continue to provide real-time access to labor market information on the Internet and through our network of regional labor market analysts.

Deliverables

I. Workforce Information Database (WIDb)

- Core data tables were updated.
- Current Employment Statistics (CES) and Local Area Unemployment Statistics (LAUS) program data were updated monthly and after benchmarking. State-produced estimates of jobs by industry for non-CES (minor) areas were also updated monthly and after benchmarking.
- Occupational Employment Statistics (OES) data were loaded into the Workforce Information Database and made available via the NYSDOL web site.
- Quarterly and annual average data from the Quarterly Census of Employment and Wages (QCEW) program were updated.
- The InfoUSA employer database was updated. This database serves as the underpinning of the Business Directory tool on the NYSDOL web site.

II. Industry and Occupational Projections

New York State long-term industry and occupational projections for 2014-2024, and statewide short-term industry and occupational projections for 2015-2017 were completed. All projections data were developed using the Projections Suite provided by the Projections Managing Partnership. The Occupational Employment Statistics program staffing patterns used for the projections were developed using the Local Employment and Wages Information System (LEWIS). Projections are available on the web at: <http://www.labor.ny.gov/stats/lproj.shtm>.

III. Annual Economic Analysis and Other Reports

STEM Occupations in New York State: A Regional Perspective

A regional report on (STEM) occupations using the Standard Occupation Classification Policy Committee's definition of core STEM job titles. The authors report that health care and core STEM occupations face many different challenges.

(<https://labor.ny.gov/stats/PDFs/STEM-Occupations-in-NYS.pdf>)

The Skilled Trades in New York State

Employers throughout New York State currently report they are facing labor shortages as they attempt to hire workers in the skilled trades. This report examines how many openings will exist as workers continue to exit the labor force, with a focus on typically high-paying jobs that do not require a college education. (<https://labor.ny.gov/stats/PDFs/The-Skilled-Trades-in-NYS.pdf>)

Middle Skills Job Analysis

"Middle Skill" occupations refer to those job titles that require education and/or training beyond high school, but not a four-year college degree. These occupations represent an excellent career field for many segments of the population in New York State. Increasing demand for these occupations and a growing need to replace retiring workers means there are many job openings in high-paying occupations with good job security. (<https://labor.ny.gov/stats/PDFs/Middle-Skill-Jobs-in-NYS.pdf>)

Health Care in New York State

Health care is a large segment of the state and national economies, accounting for about 1 in 7 jobs in New York State. The sector is only expected to continue to grow at an above-average rate, due to a number of economic and demographic factors. This report examines the five principal industries that comprise New York State's health care sector. Data from the Quarterly Census of Employment and Wages (QCEW) is used to examine recent industry employment trends and current wage levels. Then, data from the Occupational Employment Statistics (OES) and the Occupational Employment projections are used to highlight the top occupations in each of the five principal industries and their expected employment growth over the next decade.

(<https://labor.ny.gov/stats/PDFs/The-Health-Care-Sector-in-NYS.pdf>)

Industry Structure in New York State

This report uses data from the Quarterly Census of Employment and Wages (QCEW) to examine the distribution of firms and employment across size classes and industry supersectors. This analysis is performed at both the state and regional levels. In general, the distribution of both firms and employment is skewed, with most firms found in smaller size classes, while most employment tends to be located in larger size classes. These general results, however, vary across labor market regions and industry supersectors. (<https://labor.ny.gov/stats/PDFs/Industry-Structure-in-NYS.pdf>)

Careers in Science, Technology, Engineering and Math (STEM) Fact Sheets

STEM fact sheets are updated annually. They inform students about STEM occupations in their area and the State. The STEM fact sheets can be found at: http://www.labor.ny.gov/stats/stem_factsheets.shtm

Employment in New York State newsletter

This monthly newsletter reviews important state, regional and county labor market statistics. It includes two articles, one focused at the statewide level and the other at the regional level. The articles analyze recent labor market developments.

Statewide analysis

July – Take Me Out to the Ball Game: Baseball and the New York State Economy
August – A Look at New York State's Summer Industries
September – How Varied is Your County's Economy?
October – Surging Wine Industry Has Major Impact on New York State's Economy
November – New Reports Highlight "Significant Industries" in NYS and Regions
December – Health Care: Big and Getting Bigger
January – No College Degree Required!
February – The Power of Productivity
March – New York State's Economic Expansion Continued in 2015
April – A Look at New York State's Spring Industries
May – New Report Highlights Expected Future Labor Shortages
June – The Dish on Food and Beverage Tourism in New York State

Regional Analysis

New York City Enjoys Broad-Based Job Growth (New York City)
The Mohawk Valley's Export Industries (Mohawk Valley)
Tourism is Growing Part of the Regional Economy (Finger Lakes)
Growing Occupations and Industries in Central New York (Central New York)
A Look at Occupational Projections (North Country)
Major Projects Propelling Western New York Economy (Western New York)
Southern Tier Wins \$500 million in Upstate Economic Development Competition (Southern Tier)
Growing Construction Sector Boost Hudson Valley Economy (Hudson Valley)
Capital Region Economy Continues to Grow (Capital Region)
Update on Manufacturing (Long Island)
Made in New York: Manufacturing Jobs Grow in NYC (New York City)
Region's Economic Outlook is Improving (Mohawk Valley)

An archive of past newsletter issues can be found at: http://www.labor.ny.gov/stats/enys_index.shtml.

Products and reports from New York State Department of Labor Division of Research and Statistics are regularly updated and enhanced. They can be found at <http://www.labor.ny.gov/stats/index.shtml>.

- Published *Jobs in Demand Today*, monthly regional lists of occupations in which above average hiring is expected. (<http://www.labor.ny.gov/stats/reos.asp>)
- Published monthly estimates of nonfarm jobs by industry for areas not funded by the Bureau of Labor Statistics (BLS). (<http://www.labor.ny.gov/stats/lscsmin.shtml>)
- Published monthly summaries of labor market conditions on the statewide and regional web pages.
 - Statewide (<http://www.labor.ny.gov/stats/index.shtml>)
 - Capital Region (<http://www.labor.ny.gov/stats/cap/index.shtml>)
 - Central NY Region (<http://www.labor.ny.gov/stats/cen/cnyindex.asp>)
 - Finger Lakes Region (<http://www.labor.ny.gov/stats/fin/default.asp>)
 - Hudson Valley Region (<http://www.labor.ny.gov/stats/hud/default.asp>)
 - Long Island Region (<http://www.labor.ny.gov/stats/lon/index.shtml>)
 - Mohawk Valley Region (<http://www.labor.ny.gov/stats/moh/index.shtml>)
 - New York City (<http://www.labor.ny.gov/stats/nyc/index.shtml>)
 - North Country Region (<http://www.labor.ny.gov/stats/nor/index.shtml>)

- Southern Tier Region (<http://www.labor.ny.gov/stats/sou/index.shtm>)
 - Western NY Region (<http://www.labor.ny.gov/stats/wny/index.shtm>)
- Published monthly summaries of recent business expansions and contractions, culled from various media sources.
- Published the Upstate New York Labor Market Report. This monthly report highlights information on employment by industry (based on a survey of businesses) and on labor force/unemployment (based in part on a survey of households) for the Upstate New York region. The report is released in connection with the New York State Department of Labor's monthly labor market press release on jobs. (http://www.labor.ny.gov/stats/PDFs/UpstateNY_report.pdf)
- Published the Labor Market Highlights report. This monthly report highlights information presented in the New York State Department of Labor's monthly labor market press release, which includes information on employment by industry (based on a survey of businesses) and on labor force/unemployment (based in part on a survey of households). This report is released in connection with the New York State Department of Labor's monthly labor market press release on jobs. (http://www.labor.ny.gov/stats/PDFs/NYS_highlights.pdf)
- Published the Economic Data card. This monthly report presents three broad areas of information including: economic data (monthly nonagricultural employment, quarterly Unemployment Insurance covered weekly wages and Consumer Price Index percent change statistics); Unemployment Insurance (UI) statistics; and labor force statistics. (<http://www.labor.ny.gov/stats/pdfs/economic-data-card.pdf>)
- Published Unemployed Job Seekers per Opening report. This monthly report highlights data for the U.S. Northeast region (includes New York State) and the nation from the Bureau of Labor Statistics' latest Job Openings and Labor Turnover Survey (JOLTS). (Note: JOLTS data are available nationally and regionally, but not at the state level.) The ratio of unemployed job seekers to job openings is a useful labor market indicator. It is calculated by dividing the number of unemployed workers by the number of job openings. (<http://www.labor.ny.gov/stats/job-seekers-per-opening.shtm>)
- Published the monthly Coincident Economic Index. More formally known as the Index of Coincident Economic Indicators (ICEI), this statistical model combines and weights four key indicators of statewide economic activity which have historically moved in conjunction with the state's business cycles:
 - private sector employment
 - unemployment rate
 - average weekly hours of manufacturing workers
 - sales tax collections

The Index is the equivalent of a weather report for the state's economy. It is designed to provide reliable and timely information about current economic conditions in New York State. (<http://www.labor.ny.gov/stats/icei.shtm>)

- Published monthly spreadsheets on industry employment, hours and earnings and labor force data for New York City. (<http://www.labor.ny.gov/stats/nyc/index.shtm>)

- Maintained the online Business Directory tool. This tool helps career center staff and job seekers locate potential employers in their area. The latest version of InfoUSA's Employer Database was loaded and properly cited as the source.
(<http://www.labor.ny.gov/stats/bdirector.shtm>)
- Published local economic reports monthly.
 - Albany-Schenectady-Troy MSA (<http://www.labor.ny.gov/stats/cap/albany.pdf>)
 - Glens Falls MSA (<http://www.labor.ny.gov/stats/cap/glensfalls.pdf>)
 - Central New York Region (www.labor.ny.gov/stats/cen/prescny.ppt)
 - Cayuga County (www.labor.ny.gov/stats/cen/prescay.ppt)
 - Cortland County (www.labor.ny.gov/stats/cen/prescor.ppt)
 - Oswego County (www.labor.ny.gov/stats/cen/presos.ppt)

IV. Customer Consultations and Request

Customer feedback was gathered from several sources in PY 2015: contact with customers during events and presentations, customer requests via email and phone, and from web site analytics of www.labor.ny.gov.

Customer Consultations

We have established an excellent working relationship with our State and local Workforce Development Boards (WDBs) and the Governor's ten Regional Economic Development Councils (REDCs), and we continue our outreach to stakeholders.

State and Local Workforce Development Boards

In New York State, the NYSDOL Division of Employment and Workforce Solutions (DEWS) serves as staff to the State Workforce Development Board (SWDB) and administrator of the federal Workforce Innovation and Opportunity Act (WIOA) funds and State funded workforce activities. Our central office staff and regional labor market analysts are in constant communication with DEWS. We benefit from being located in the same building centrally and co-located with Career Centers and DEWS offices regionally. The local WDBs have regular conference calls with DEWS, the State WDB staff. Some of our regional labor market analysts serve on local WDB subcommittees and attend local WDB meetings. Through these lines of communication, WDBs have requested data and analysis in support of local strategic plans, regional projects, grant writing, and State initiatives.

Regional Economic Development Councils (REDCs)

The Regional Economic Development Council (REDC) initiative was established to develop long-term strategic plans for regional economic growth. These councils are public-private partnerships made up of local experts and stakeholders from business, academia, local government, and non-governmental organizations. Some of our labor market analysts serve on REDC subcommittees, and all analysts prepare labor market information in support of REDC projects and planning. Analysts served on the following subcommittees:

- Workforce & Education Committee (Capital Region)
- Metrics Work Group (Hudson Valley Region and Finger Lakes Region)
- State Agency Resource Team (Hudson Valley Region and Long Island Region)
- Manufacturing Industry Cluster Work Group (Southern Tier Region)
- Workforce Work Group (Western NY Region)
- Advanced Manufacturing Work Group (Western NY Region)

Outreach to Stakeholders

Labor market analysts engaged in 180 training sessions with job seekers, students, counselors, businesses, researchers, economic developers, and WIOA administrators. They participated in 250 service sessions such as job fairs, local WDB meetings, and rapid response events. Participating face-to-face provides continuous feedback about our current products, and insight into the unmet needs of our customers so we may improve and develop new products.

Regional and central office staff continued to support workforce partners with labor market information. We assisted stakeholders such as:

- Business associations and chambers of commerce
- Secondary and post-secondary education institutions and associations
- Public and private economic development organizations
- Career Centers and job seekers
- Non-profit and community based organizations
- NYS Data Center Affiliates
- Science, Technology, Engineering, and Math (STEM) councils and programs
- New York State Energy Research and Development Authority (NYSERDA)
- County Executive Offices
- Transportation Industry
- Media Outlets

Customer Requests

A database of customers contacting the LMI system is maintained, both in the central office and in the 10 regional offices. Below is a summary of the customer request database for PY 2015.

By Data Type	%
Census Data	32.1%
Applicants/Opening Data	17.7%
Local Area Unemployment Statistics (LAUS)	11.8%
Current Employment Statistics (CES)	11.4%
Quarterly Census of Employment and Wages (QCEW)	7.6%
Occupational Projections/Employment	7.4%
Wages by Occupation	6.2%
Other	2.3%
Business Expansions/Contractions	2.0%
Career Information/CareerZone	1.4%

By Customer Type	%
General Public	34.4%
Media	7.7%
Business	5.9%
Non-Profit	4.9%
Other	3.6%
Economic Developer	3.0%
LWDB/One Stop Center	2.6%
Educator: Post-Secondary	2.2%
Student	2.1%
Employee/Job Seeker	1.4%
Department of Labor	40.2%
Government	25.4%

Web Analytics

Customers self-serve labor market information directly from our website. Pageviews from Google Analytics along with feedback gathered from the Department’s website serve in our continuing effort to provide relevant and integrated information.

Google Analytics

Google Analytics is a free service allowing web site owners to track visitors. This information can be used to guide web site enhancements. Web metrics for PY 2015 were reviewed and some of the principal findings include:

- Viewership - new visitors (56%) and returning visitors (44%).
- The most frequently visited page was “Prevailing Unemployment Insurance Wages” (<http://www.labor.ny.gov/stats/uiwages.shtm>).
- One out of four visits (25%) were from a mobile device. Users accessing information from a mobile device increased by 5% over the year.
- Facebook was the top referring social site.
- Chrome was the most popular browser (38%), followed by Internet Explorer (33%), Safari (18%), and Firefox (7%).
- Ninety-six percent of the visits were from the United States; 66% were from New York State and 62% originated in New York City.
- Ninety-seven percent of visits were from users of an English language browser.

According to Google Analytics, the Labor Statistics web pages received 1,147,216 unique views in PY2015. The top datasets viewed were:

Dataset	Web Address
Prevailing Unemployment Insurance Wages	https://labor.ny.gov/stats/uiwages.shtm
Occupational Employment Statistics	
Occupational Wages	https://labor.ny.gov/stats/lswage2.asp
Staffing Patterns	https://labor.ny.gov/stats/staffingpatternshome.asp
Employment Projections	https://labor.ny.gov/stats/lproj.shtm
Labor Force and Unemployment Data	https://labor.ny.gov/stats/LSLAUS.shtm
Current Employment Statistics	
Major Areas	https://labor.ny.gov/stats/lscsmaj.shtm
Minor Counties	https://labor.ny.gov/stats/lscsmin.shtm
Average Hourly and Weekly Earnings	https://labor.ny.gov/stats/lshour.shtm
Occupations Licensed or Certified by NYS	https://labor.ny.gov/stats/lstrain.shtm
Potential Employers	https://labor.ny.gov/stats/bdirector.shtm

Website Feedback

Customers have the opportunity to leave feedback at the bottom of every Department of Labor web page by clicking the thumbs up icon, this page was helpful, or the thumbs down icon, this page needs improvement. If they select *needs improvement* a text box appears with the question, “*What could be improved?*” and the option to send feedback or “*Don’t leave comment.*”

V. Activities Undertaken to Meet Customer Needs

The NYSDOL Division of Research and Statistics has ten regional offices, which served local Career Center partners, local WDBs, and stakeholders extensively. Examples of activities undertaken by regional analysts and central office staff:

- Served on local WDB subcommittees and provided data for grant proposals and submissions.
- Conducted workforce and labor market information presentations to a variety of customers explaining the sources and use of various datasets.
- Provided an extensive array of economic and demographic data analysis to the NYSDOL Division of Employment and Workforce Solutions (DEWS) which serves as staff to the State Workforce Development Board (SWDB). For example:
 - Provided Economic Modeling Specialists Intl. (EMSI) analysis, QCEW and staffing patterns data to DEWS Business Services and Rapid Response Staff to analyze the potential impact of a utility plant closure.
 - Mined and analyzed One-Stop Operating System (OSOS) data, and New York Job Bank's job order information.
 - Provided key labor market information, such as listings of employers by industry, for their rapid response presentations, and job fairs.
 - Provided data to support the Consolidated Funding Application (CFA) County Scoring
- Continued to support workforce partners with labor market information.
For example:
 - Labor Force Statistics
 - Wages
 - Staffing Patterns
 - Occupational data for retraining purposes
 - Unemployment Insurance data
 - Size of firm data
 - Business Expansions and Contractions
- Provided the NYSDOL Commissioner and Executive staff with monthly regional labor market briefings containing BLS, Census, and OSOS data, as well as current labor market developments identified by our network of regional analysts.
- Continued to provide an enhanced long-term occupational projections product designed for New York State and the 10 labor market regions. This product contains employment projections data, wages, education and training information, and job prospects.
- Continued to support the Governor's NY Open Data initiative in response to the public's demand for transparency in government. (<https://data.ny.gov/>).
- Continued to support Career Centers and community based organizations with updates to the WDSuite job listings and labor supply data. (<http://www.labor.ny.gov/WDSuite/>)

VI. New Tools and Resources

Enhanced Open NY Portal

The Open NY portal (<https://data.ny.gov/>) is part of the Open Data Initiative started on March 11, 2013, with Governor Cuomo's Executive Order No. 95 - Using Technology to Promote Transparency, Improve Government Performance and Enhance Citizen Engagement. The Open NY web site was created for the collection and public dissemination of State data that is owned, controlled, or collected by any State agency, department, office, division, bureau or board whose head is appointed by the Governor.

The Department of Labor currently has 29 datasets published on [Open NY](#).
(https://data.ny.gov/browse?Dataset-Information_Agency=Labor%2C+Department+of&utf8=%E2%9C%93)

For example:

- Quarterly Census of Employment and Wages Annual/Quarterly Data: Beginning 2000
- Quarterly Census of Employment and Wages (QCEW) Historical Annual Data: 1975 - 2000
- Current Employment Statistics: Beginning 1990
- Local Area Unemployment Statistics: Beginning 1976
- Annual Population Estimates for New York State and Counties: Beginning 1970
- Industry and Occupational Projections
- Occupational Employment Statistics
- Occupations Licensed or Certified by New York State

This last year saw the following enhancements to the Open NY portal:

- All Open NY tabular data resources can now be accessed through a consistent, well-documented Application Programming Interface (API) that provides software developers with a simple, familiar, standards-based mechanism for integrating Open NY data into their software applications.
- Catalog searches now return ten times faster than before. As data is updated or added to the catalog, the search index will update almost instantly.
- Given that more and more end-users are coming from mobile devices, the catalog is now fully mobile-responsive.

The enhanced portal provides customers and partners of the workforce system another means to discover, consume and reuse workforce information. Datasets can be filtered and visualized by using a prebuilt menu, which dynamically presents the data as you make selections. The data presentation can then be saved for future use.

VII. Efforts to Create and Support Partnerships and Collaborations

Exploited Worker's Task Force

Staff provided employment and occupational wage data for low-paying industries in support of the Governor's Exploited Workers Task Force. The task force is composed of more than 10 New York State agencies, who engage in regular data sharing procedures to identify employers with the most severe violations.

Unemployment Strike Force

Labor force characteristics and commutation patterns were provided to support the Unemployment Strike Force initiative. This new multi-pronged campaign targeted areas of the State with the highest unemployment rates to boost employment. Program was first piloted in Bronx County and has expanded to nine additional counties with the highest unemployment rates.

Fast Food Wage Board

New York State law empowers the Department of Labor Commissioner to investigate whether wages paid in a specific industry or job classification are sufficient to provide for the life and health of those workers — and, if not, to impanel a Wage Board to recommend what adequate wages should be. In May of 2015, Governor Cuomo instructed the Labor Commissioner to impanel a wage board. The Division of Research and Statistics staff provided data such as:

- Employment and wages by industry
- Minimum wage data
- Cost of living data

Regional wage estimates and labor force characteristics data were provided to inform the decision on establishing a new state minimum wage.

Urban Youth Jobs/New York Youth Jobs Program

Staff continued to support the Governor's Urban Youth Jobs/New York Youth Jobs Program which encourages businesses to hire unemployed disadvantaged youth. Staff geocodes applicants and provides support for the interactive Google Map.

COREstat

Supported and provided data to an interagency and nonprofit coalition targeting residents who reside in areas of high unemployment and poverty. The coalition seeks to provide specialized employment assistance to those in need.

Local Employment Dynamics (LED)

Continued to transmit and review the required datasets for participation in the LED Program. New York also participates in the OnTheMap application.

2020 Decennial Census

Cooperative effort involving the NYS Office of Information Technology Services, NYS Department of Labor, Cornell Institute for Social and Economic Research, and the Census Bureau to develop methods to ensure an accurate address file of New York State residences for the 2020 decennial Census.

VIII. Activities to Leverage LMI-WI Funding

None to report.

IX. Recommendations to ETA for Changes and Improvements to WIGS Requirements

None to report.