OCCUPATIONS IN THE NEXT 5 YEARS

8,500 Healthcare Net New Job Openings by 2023

3,666 in healthcare practitioner and technical occupations
4,838 in healthcare support

20,700 NEW JOBS

Healthcare, sales and administrative occupations are among those showing measurable growth.

Northeast Ohio offers a broad range of employment opportunities in professional services, healthcare, manufacturing, computer science and a variety of other sectors. This Quarterly Economic Review explores new job creation, replacement opportunities, occupation concentration and growth potential through 2023.
Northeast Ohio Job Prospects Remain Steady

Across all segments, Northeast Ohio is projected to add about 20,700 jobs over the next five years, holding steady with a total workforce of 1.948 million. While the workforce will remain relatively flat, opportunities will continue to be available to workers as, in addition to the new positions, replacements will be needed for more than 1 million existing positions due to retirements and employee turnover during this time period.

Source: Emsi

Projected Total Employment Growth in NEO: 2018-2023

**TECHNOLOGY IS KEY TO FUTURE JOBS**
Future jobs will involve specialized skills and proficiency in emerging technology, such as smart manufacturing and blockchain.

- Smart manufacturing companies seek workers proficient in operating technology and recruit experienced personnel with advanced capabilities to help implement and support the industrial internet of things (IIoT) system.
- Blockchain employment has increased nearly 300% since 2017, with more than 15,000 job openings in 2018 to date. Over 60% of blockchain jobs are in software development or software engineering.
- Engineering, operations, business development and management are all in-demand occupations of the future.
- The workforce in these emerging technologies can anticipate wages $10,000 to $60,000 higher than comparable occupations in other industries.

**SKILL DEVELOPMENT** – including development of people skills – will be essential to meeting the high demands of this digital-age workforce. According to a prominent, local smart manufacturer, “Workers proficient in MES (manufacturing execution systems) hardware, software, analytics, application expertise and customer relations are worth their weight in gold.”
Healthcare and Other Sectors Continue to Grow

Healthcare-related sectors are among the top 10 projected to grow by 2023, with more than 8,500 net new openings. The computer and mathematical sector is projected to grow 6%, or 2,500 jobs, and the management sector is projected to experience a net increase of 2,700 jobs.

Source: Emsi


- Building and Grounds
- Cleaning and Maintenance
- Business and Financial Operations
- Community and Social Service
- Construction and Extraction
- Computer and Mathematical
- Management
- Healthcare Practitioners and Technical
- Personal Care and Service
- Food Preparation and Serving Related

Job Openings Emerge in Office and Administration Plus Other Sectors

Overall, more than a million replacement workers will be needed over the next five years - many in office and administrative occupations, where 160,000 replacement opportunities are projected. As in most economies, food preparation and serving-related occupations make up a large portion of the workforce in Northeast Ohio, where another 160,000+ replacement jobs are projected. Production sectors will need more than 100,000 replacement workers, while healthcare-related occupations will require more than 77,700.

Source: Emsi
Upward momentum continues on the education front, as 26% of adults 25 and older in Northeast Ohio have attained a bachelor’s or graduate degree. While this percentage lags the nation slightly (30%), public colleges and universities are proactively working toward making postsecondary credentials more attainable. In June, nine institutions pledged to work toward this goal by signing the Northeast Ohio Regional Higher Education Compact. Among their objectives is developing strategies to address workforce needs.

Source: Emsi
Average Earnings per Job by Sector in Northeast Ohio: 2017

Headquarters and Professional Services Earnings Yield Economic Growth

A correlation exists between educational attainment and economic growth. Occupations in headquarters and professional services are likely to require an advanced degree, translating into higher wages. For example, headquarters occupations yield more than $121,000 average earnings while professional, scientific and technical services average $82,000. This is much higher than the regional average earning of $69,024.

Source: Emsi

Technology Employment Continues to Grow

Northeast Ohio boasts a robust network of technology professionals, from software developers and computer systems analysts to support specialists and database administrators. Demand for technology expertise is growing in headquarters operations across industry segments throughout the region, offering these talented professionals outstanding employment opportunities.

Source: Emsi
DEVELOPMENT ACTIVITY

Below is a sampling of recent development projects in Northeast Ohio, including some that will employ positions in occupations projected to grow in the next five years.

SWAGELOK EXPANDS IN SOLON WITH NEW GLOBAL HEADQUARTERS AND INNOVATION CENTER

Swagelok Company, a global developer and manufacturer of fluid system solutions headquartered in Solon, announced in September that its board of directors approved Solon as the location of its new $30 million - $50 million Global Headquarters and Innovation Center, following a three-month competitive site selection process. The new campus is expected to encompass up to 120,000 square feet of new space and feature a state-of-the-art innovation center, customer welcome center and business operations center, which will house 300 - 350 associates, with room for future job growth.

UNION METAL CORPORATION ACQUIRED

Union Metal Corporation, one of America’s leading streetscape lighting manufacturers since 1906, was acquired in May by American Industrial Acquisition Corporation (AIAC Group). Now doing business as Union Metal Industries Corporation, the company will remain in Canton and expects to hire 250 full-time employees within two years. AIAC Group cited the area’s highly skilled workforce as a benefit for the acquisition.

BWXT ANNOUNCES $130 MILLION INVESTMENT IN NORTHEAST OHIO

Lynchburg, Virginia-based BWXT Technologies Inc. announced in October that its subsidiary BWXT Nuclear Operations Group Inc. plans to invest more than $130 million over four years in its Barberton and Euclid, Ohio, facilities, creating more than 110 new jobs by 2022.

ALDI INCREASES EMPLOYMENT AT NORTHEAST OHIO WAREHOUSE

Grocery retailing industry giant Aldi has announced plans to grow employment at its distribution center in Hinckley. The retailer plans to add more than 60 new full-time equivalent (FTE) positions, and retain 180 FTE positions within the next three years. Northeast Ohio’s proximity to market, which equates to attractive financial advantages for the company, aided in the decision to expand in the region.

FAST-GROWING BIOMEDICAL COMPANY EXPANDS

Firstar Precision Corporation, a precision CNC job shop serving the medical, aerospace, food processing, industrial assembly and hydraulics industries, has announced its relocation to Brunswick. The company is investing almost $1.5 million and plans to add at least 21 new jobs while retaining 33.
TOTAL EMPLOYMENT GROWS YEAR-OVER-YEAR

Total employment averaged 1.895 million workers in Q1 2018, up almost 12,000 jobs year-over-year.

Source: Quarterly Census of Employment and Wages (QCEW). This is the most current reliable data available for total jobs in Northeast Ohio.

ALL SECTORS SEE YEAR-OVER-YEAR GROWTH

In Q1 2018, the construction sector added more than 2,200 jobs year-over-year, with about 65,800 total workers. At almost 267,000 jobs, the manufacturing sector added more than 4,000 jobs year-over-year, while the services sector added more than 4,500 workers year-over-year.

Source: Quarterly Census of Employment and Wages (QCEW). This is the most current reliable data available for total jobs in Northeast Ohio.

NEO YEAR-OVER-YEAR UNEMPLOYMENT RATE SEES SLIGHT DECREASE

The unemployment rate for Northeast Ohio averaged 5.4% in Q1 2018. This represents a 1.3% decrease in the unemployment rate as compared with Q1 2017, when it was 6.7%. The state of Ohio averaged 4.7%, while the U.S. averaged 4.3%, in Q1 2018.

Source: Current Population Survey (CPS), a survey of 60,000 households nationwide.
**NEO Real Gross Regional Product (GRP) in Billions**

- **2018**: $238.5 billion
- **2014-2017**: Growth rates of 3.3%, 0.7%, 2.8%, and 0.2%, respectively

Source: Moody’s Economy.com

**Industrial and Office Vacancy Continue to Trend Down**

In Q3 2018, the vacancy rate for industrial space is at 3.6%, while the vacancy rate for office space is at 6.9% – its lowest since Team NEO began tracking in Q1 2008. About 577 million square feet of industrial space and 163 million square feet of office space is currently occupied in Northeast Ohio.

Source: CoStar

**Ohio Utica Well Activity (Non-Cumulative)**

- **Q4 2012** to **Q4 2018**: 2,725 total permits issued, 1,850 drilled, 1,030 producing

Source: Ohio Department of Natural Resources

**Ohio Utica Well Activity (Non-Cumulative)**

This graph shows the status of Utica shale wells originally permitted, drilled and in production for each quarter. Since Q4 2012, when tracking began, 2,725 total permits have been issued, of which 1,850 have been drilled. Of those drilled, 1,030 are currently in production in the state.

Source: Ohio Department of Natural Resources
Team Northeast Ohio uses a number of data sources for the Regional Economic Review. One of the primary sources is Moody’s Economy.com (economy.com) data for Northeast Ohio. Moody’s Economy.com county-level output, employment and payroll historical data are estimated from several publicly available sources and are summarized into the Team NEO regional footprint. It is important to understand data provided by Economy.com are estimates of economic activity.

Team NEO also uses data from federal and state sources as part of this report. We rely heavily on data from the U.S. Bureau of Labor Statistics (bls.gov) and Ohio’s Labor Market Information (lmi.state.oh.us) for information on wages, unemployment and both general and industry-specific employment.

Industrial and office real estate data for this edition were derived from the CoStar Group. Due to market limits within the CoStar database, historic trend data for the Team NEO region are reflective of 14 of the 18 counties forming the regional footprint. These counties include: Ashtabula, Cuyahoga, Erie, Geauga, Huron, Lake, Lorain, Mahoning, Medina, Portage, Richland, Stark, Summit and Trumbull.

For a complete list of funders, visit clevelandplus.com/teamneo/invest-in-us/funders.

Team NEO is a business development organization focused on creating jobs for Northeast Ohio's residents. In collaboration with our partners, it leads the region's business attraction efforts, supports business retention and expansion work as Northeast Ohio's JobsOhio affiliate, accelerates the impact of innovation in the region, and aligns strategies and resources within the economic development network to maximize its impact. In addition, Team NEO provides tools to assist employers in attracting talent to the region.

Team NEO is part of the Northeast Ohio Economic Development network, providing business decision-makers with access to customized solutions that accelerate growth, foster innovation and mitigate risk through a connected and collaborative ecosystem.