



The 2020 **Ohio Bioscience** Report



Report Highlights

Ohio's bioscience industry continues its strong history of innovation and discovery, with over 4,000 organizations manufacturing & distributing products, providing essential services, or researching the next breakthrough at more than 4,800 facilities in the state.

Core Bioscience Subsectors in Ohio

- Agricultural Biotechnology
- Medical and Testing Laboratories
- Medical Devices & Equipment
- Medical Product Distribution
- Pharmaceuticals & Therapeutics
- Research & Development

Bioscience firms employ over 81,000 people in Ohio at companies ranging from the large and well known such as Abbott, Battelle, Cardinal Health, Johnson & Johnson, Midmark, and Athersys, to young and growing companies including Abeona Therapeutics, Enable Injections, and Clarametx Biosciences.

Bioscience sector jobs in Ohio pay an average wage of \$83,310, encompassing a wide variety of occupations. In comparison, the average wage for all industries in Ohio in 2018 was \$49,437.

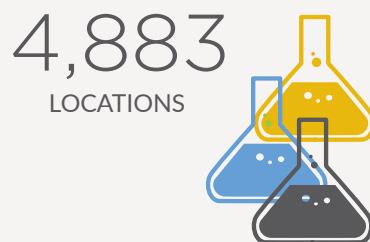
The bioscience industry's economic impact is felt throughout the state, with bioscience-related companies found in 83 of 88 Ohio counties.

Bioscience companies continue to expand operations and announce new facilities in the state, with 40 projects announced in 2019, projecting creation of 4,474 jobs and over \$757 million in capital investment.

AmerisourceBergen, AtriCure, Camargo Pharmaceutical Services, Charles River Laboratories, Formlabs Ohio, Hitachi Healthcare Americas, McKesson, Stirling Ultracold, and Tosoh USA are all among the many companies growing in Ohio.

Ohio bioscience companies attracted over \$2 billion in funding in 2019, from sources including venture capital, exits, angel investment, federal research grants, and state initiatives.

Ohio Bioscience Economic Impact





BioOhio analysis indicates that nearly 100 Ohio bioscience-related companies announced \$490 million in private investment in 2019, one of the highest levels recorded since BioOhio began tracking deals in 2004. Exit activity in the state remained strong in 2019, totaling over \$570 million.

Ohio-based institutions and companies received \$883 million from the National Institutes of Health (NIH) in 2019, tying the record for Ohio and well ahead of the U.S. average of \$561 million.

Bioscience education continues to thrive in our state. In 2018, 11,997 bioscience-related degrees and certificates were awarded to students in Ohio, an increase of 77% since BioOhio began tracking in 2006.

More than Numbers

Data presented in this report, including venture investment, wages, research funding, business expansions, graduation statistics, and new company growth, serve as a gauge of the industry. These figures, however, simply illustrate the mechanisms behind the companies and organizations. The work being done by Ohio's bioscience community is so much more important than any of these metrics can convey.

Ohioans are fighting COVID-19, curing debilitating pediatric diseases, creating less invasive surgical tools, formulating cleaner biofuels, programming highly accurate diagnostic imaging techniques, improving the quality and yield of crops, streamlining healthcare provider processes to reduce patient costs, and personalizing medication delivery for individual patients.

These are just a few examples of what Ohio's bioscience community is doing each day across the state. BioOhio is proud to support and salute their efforts.

Download the full report at BioOhio.com/Ohio

Ohio Bioscience Fact Sheet

2018 Direct Employment Economic Indicators

81,085 Employees
4,045 Companies
4,883 Locations
\$83,310 Average Wage
\$6.8 Billion in Payroll

2019 Bioscience Expansions

4,474 Projected New Jobs
\$757M Planned Investment

2019 Bioscience Funding

\$490M Private Investment
\$570M Exits (Acquisitions, Licensing, Public Offerings)
\$883M National Institutes of Health Awards
\$4.7M Small Business Innovation Research & Technology Transfer Awards
\$85M National Science Foundation Awards
\$19M Congressionally Directed Medical Research Program Awards
\$3.1M Ohio Third Frontier Awards

Research & Education

4,993 Clinical Trials active or recruiting in Ohio in 2020
11,997 Bioscience Degrees & Certificates awarded in 2018