Bioindustry Baseline 2012-2016 •

Wisconsin is growing a specialized employment concentration at medical device manufacturing. A 42 percent greater concentration in Wisconsin relative to the national average has made the state a hotbed for medical device manufacturing. At the same time, healthcare dominates the landscape with 7,000 employees in Dane, Waukesha, Washington, Chisago, and Milwaukee counties. At the western edge of the state, Phillips Plastics (Hudson, WI; 7,879 employees) is one of the largest medical device-related employers, believing that the Wisconsin area is the right location for its company’s future growth.

Illinois ranks as one of the top states for bioscience companies, having employed almost 11,000 individuals at 3,744 business establishments as of 2012 – the most among Midwestern states by a significant margin. Illinois is also a Midwest leader in both venture capital ($14.2 billion from 2012 through 2015) and patenting. The state's research universities had $1.3 billion in bioscience-related research activity in 2014, far more than the major U.S. research centers.

Michigan's research universities are especially focused in the biosciences, especially in surgical and biotechnology. Medical therapeutics saw the most research and development funding for bioscience research – about 10 percent. The state's biomedical companies have raised over $4.2 billion in bioscience-related venture capital investments, almost 28 percent of which went to support human biomedical technology. Medical therapeutics is the state's largest medical device-related sector, with nearly 1,000 companies and their employees to call home.

South Dakota's bioscience companies have increased in both numbers and size, mainly in research activities. The state-level Input/Output models, of Employment and Wages (QCEW), enhanced file sampling, and various databases. 4. The National Science Foundation (NSF) Higher Education Research and Development (R&D) Survey. 5. National Institutes of Health (NIH) Awards. 6. National Institutes of Health (NIH) Awards. 7. Total National Institutes of Health (NIH) funding for the region within 2015 topped $3.86 billion. Between 2012 and 2015, over 11,250 individuals were issued patents related to surgical and medical instruments, with institutions and companies in the Midwest awarded more than 7,875 patents in 2015 alone.

Michigan ranks as one of the top states in key measures of bioscience research, development, and innovation, ranking in academic research and development. NIH research funding and patenting. The state's research universities have had $1.2 billion in bioscience-related research and development expenditures in 2014.

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The Midwestern Governors Association (MGA) is a nonprofit, bipartisan organization that brings together the governors of Midwestern states to work cooperatively on public policy issues of significance to the region.

For more information on the MGA, visit www.midwesterngovernors.org

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Strong Work Ethic, Entrepreneurial, Innovative, Bioscience, Energy, Manufacturing, Transportation Crossroads, Sensational Standard of Living, Quality Education, Skilled Workforce

Working as a dynamic whole, the MGA region’s unique assets are greater than the sum of their parts. The Midwest is the crossroads for much of the nation’s economic activity, with a robust freight industry and a rich network of rail, river, road and airports second to none. Here you will find a world-class work ethic and a welcoming climate for business and job growth, as reflected by our diverse mix of industries. Add to this the robust cities and towns; both urban and rural; high-quality schools, cutting-edge universities and research institutions, easy access to breathtaking outdoor recreation in all four seasons, cultural amenities that rival any in the world, and you begin to understand how this region became both breadbasket and manufacturer to the world. This enviable standard of living and economic resilience is matched by an uncommon decency among people here, making this an exceptional place to live, raise a family, get an education, start a business, or grow an industry. Beyond its physical and intellectual assets, the Midwest has a cultural tradition of cooperation and a legacy of innovation–based on its pioneer and agricultural heritage–that makes it a natural home for new cutting-edge technologies, whether in advanced manufacturing, the biosciences or energy production.