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Investment in Our Missions: MCW's Impact is Far-Reaching



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A recent photo of the Milwaukee Regional Medical Center campus, with MCW in the foreground, including the new MCW Center for Cancer Discovery under construction.

As a private institution committed to its public mission, the Medical College of Wisconsin (MCW) generates substantial economic and social impact throughout Wisconsin and beyond. MCW is a workforce magnet for the entire state, and in fiscal year 2023 (July 1, 2022-June 30, 2023), the institution supported thousands of jobs statewide and generated billions in total economic impact on Wisconsin. Direct spending by MCW on capital and operations, as well as by students, faculty and staff, generated millions in state and local taxes.

MCW and the contributions of its faculty through its hospital partners had a \$5.82 billion direct operational economic impact on the US economy in fiscal year 2023, according to a comprehensive report published in 2024 by the highly regarded private consulting firm Tripp Umbach. MCW is a workforce powerhouse for the entire state – recruiting and retaining more than 3,500 faculty, staff and students from outside the region over the past 10 years. Additionally, more than 38,500 jobs were directly and indirectly supported and sustained statewide by MCW and its partners in fiscal year 2023.

MCW's Milwaukee-based hospital partners include Froedtert ThedaCare Health, Children's Wisconsin and the Clement J. Zablocki VA Medical Center. Versiti also is a key partner co-located on the Milwaukee Regional Medical Center campus. MCW's total value to the economy is embedded in such collaborations.

According to Tripp Umbach's analysis, MCW generated \$2.74 billion in total economic impact on Wisconsin in fiscal year 2023 and supported more than 19,350 jobs statewide. Direct spending by MCW on capital and operations, as well as by students, faculty and staff, generated \$143.9 million in state and local taxes.

The institution's economic impact drives the \$8 billion southeast Wisconsin academic medicine ecosystem. MCW's impact is

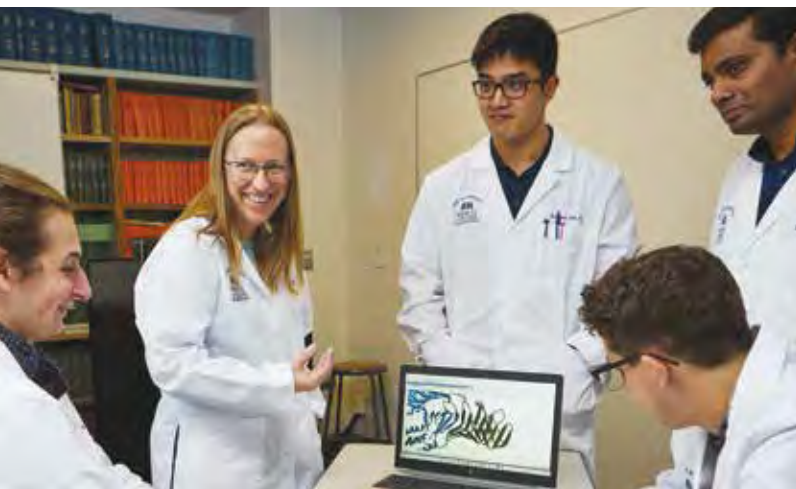
nearly twice as high as the average economic impact of all 157 MD-granting medical schools across the US. According to the Association of American Medical Colleges (AAMC), the average medical school had a total impact of \$1.5 billion in 2022.

"This report demonstrates that the Medical College of Wisconsin is not only an impactful academic and research institution, but also an economic driver and force beyond our state and into the nation," says John R. Raymond, Sr., MD, president and CEO of MCW. "We believe in being a transformational leader for healthier communities and a more vibrant economy in which individuals and families can flourish."

Study Overview

The economic impact study measured the effect of direct, indirect and induced economic, employment and state and local tax impacts for MCW operations. The study quantified the impacts in quantitative and qualitative terms and highlighted the societal contributions made by MCW at the local, regional and state levels.

The Economic and Community Impacts of MCW defines "total economic impact" as both "the direct and indirect impacts generated in the economy by the institution." Direct impact includes institutional, employee and visitor spending on the



Research Superiority is an MCW Hallmark

According to the National Science Foundation, MCW is one of the top 100 research institutions in the US (out of 20,000) and the largest private research institution in Wisconsin. MCW invested approximately \$400 million in research, training and related purposes during fiscal year 2023, including conducting more than 3,800 research studies and clinical trials, and leading the most cancer and neuroscience clinical trials in the state. Approximately 45 percent of this investment was through federally funded dollars. Additionally, MCW is among the top five percent worldwide in publishing new knowledge in clinical medicine.

MCW's research expenditures (an important driver of activity and growth) and indirect and induced economic activity resulting from those expenditures totaled \$826.3 million during fiscal year 2023, and every dollar from external research funding generated eight dollars of economic impact, according to the report.

And when adding the contributions of our faculty through MCW's hospital partners (Froedtert ThedaCare Health, Children's Wisconsin and the Clement J. Zablocki VA Medical Center), the combined direct operational economic impact on the US economy in fiscal year 2023 totaled more than \$5.8 billion.

MCW supports research through direct research with faculty and students and collaborative partnerships with Milwaukee, Green Bay and central Wisconsin hospitals. MCW also connects with the community by providing incubator space and fostering relationships between the community and the university to develop and sustain new business startups in the region.

The report included highlights from a number of startup companies originated by MCW faculty, including:

- **RPRD Diagnostics** specializes in providing innovative precision medicine solutions, including diagnostic, analysis and support services to clinicians, researchers and drug developers.

institution, while indirect economic impact (also known as the multiplier effect), includes "responding dollars within the local economy by vendors/suppliers and households."

These impacts fell within the following categories: business volume impacts; direct, indirect and induced employment impacts; state and local tax impacts; impact of employee and student spending on goods and services; impact of alumni on the economy; impact of visitor spending on the economy; impact of the attraction of external research dollars on economic development throughout the region and state; and impact that employees and students have on the community through donations and volunteer work.

It is important to note that the findings outlined in the economic impact analysis are produced on an annual basis, and thus the impact in subsequent years may vary – influenced by such factors as the change in the number of employees and students, capital expansion, growth in external research and state appropriations.

MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT

ON THE STATE OF WISCONSIN



\$2.74 billion
generated statewide in
economic impact



19,354 total jobs
supported and sustained statewide



\$143.9 million
generated in state and local taxes

MILWAUKEE REGION

9,354 total jobs
supported and sustained statewide

\$143.9 million
generated in state and local taxes

\$2.60 billion
generated in economic impact

18,387 total jobs
supported and sustained

\$136.7 million
generated in state and local taxes

CENTRAL WISCONSIN REGION

\$41.2 million
generated in economic impact

290 total jobs
supported and sustained

\$2.2 million
generated in state and local taxes



Ulrich Broeckel, MD, postdoctoral fellow '00, is the founder and CEO, and a professor of pediatrics and section chief of genomic pediatrics at MCW.

- **Prism Clinical Imaging** equips physicians with innovative imaging tools for the planning and treatment of brain tumors and other neurological disorders. Prism Clinical Imaging was founded by practicing professionals at MCW, including Edgar DeYoe, PhD, MCW professor of radiology and Prism's chief scientist.

- **Sonoptima** is a wearable, artificial intelligence-enabled ultrasound technology for patients to gain optimal timing of radiation therapy for pelvic malignancies. William A. Hall, MD, professor and chair in radiation oncology and the Bob Uecker Chair in Pancreatic Cancer Research in MCW's department of surgery and Eric Paulson, PhD '08, FEL '09, GME '11, professor of radiation oncology and chief of medical physics, are the founders.

- **N-Zyme Biomedical**, which aims to enhance the quality of life for millions worldwide by pioneering the development of the first safe, effective and efficient treatments for laryngopharyngeal reflux. Nikki Johnston, PhD, is an MCW professor of otolaryngology and communication sciences, and a co-founder of N-Zyme Biomedical.

- **Protein Foundry** manufactures proteins for biomedical research. Specifically, it employs production methods that maintain the native N-terminal amino acid sequence. Brian F. Volkman, PhD, is an MCW professor of biochemistry and president of Protein Foundry.

- **XLock Biosciences** is a pre-clinical stage biotechnology company that addresses the hurdles in chemokine-targeted drug development through protein engineering. Francis Peterson, PhD, is both president and co-founder of XLock Biosciences and a professor of biochemistry at MCW.



Alumni Contributions to Statewide Impact

Nearly 60 percent of all MCW graduates remain in Wisconsin to practice in a wide range of healthcare and health science positions. The 12,000 MCW alumni living in Wisconsin collectively contribute \$19.5 billion in economic impact annually to the Wisconsin economy, according to the report. MCW also ranks in the top five percent nationally among medical schools in the number of resident physicians it trains (979 residents and fellows in academic year 2024–2025) and is the state's leading provider of specialty-trained doctors.

To illustrate, the report looked at MCW's 394 medical school graduates from fiscal year 2023 and estimated they will have an annual economic impact of \$630 million on the Wisconsin economy. MCW graduates from fiscal 2023 who remain in Wisconsin will generate \$25.2 billion over a lifetime of employment (40 years).

MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT MCW IMPACT



GREEN BAY REGION

\$96.1 million
generated in economic impact

677 total jobs
supported and sustained

\$5.0 million
generated in state and local taxes

ON THE UNITED STATES



\$3.20 billion
generated in economic
impact



21,030 total jobs
supported and
sustained statewide



\$167.5 million
generated in state
and local taxes





Additionally, Tripp Umbach estimates that the total economic impact of the 175 residents who remain to practice in Wisconsin will add \$350 million to the Wisconsin economy annually. Residents and fellows, along with other MCW health science students, partner with attending physicians in providing care to more than five million patients annually in clinical settings.

Contributions of MCW's Regional Medical School Campuses

MCW campuses in Green Bay and central Wisconsin also have significant local economic impact.

More than \$96 million in direct and indirect economic impact was generated in the Green Bay region in fiscal 2023. MCW plays a direct role in sustaining more than 675 jobs in that region, including more than 70 direct jobs and 600 indirect jobs.

Approximately \$41.2 million in overall economic impact was generated by MCW in the central Wisconsin region in fiscal 2023. This includes both direct spending of MCW as well as indirect and induced impacts of dollars in the region. MCW plays a direct role in sustaining nearly 300 jobs in that region, including 75 direct jobs and more than 200 indirect jobs.

Clinical Partners Are a Major Driver

MCW is the state's leading provider of specialty-trained doctors. MCW's relationships with Froedtert ThedaCare Health,

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ALUMNI IMPACT



MCW alumni living in Wisconsin collectively contribute **\$19.5 billion** in economic impact annually to the Wisconsin economy



CHARITABLE GIVING AND VOLUNTEERISM

The **\$27.1 million** impact includes:

\$11.9 million donated to local charitable organizations

\$15.2 million in value of volunteer time



WORKFORCE IMPACT

Tripp Umbach estimates that the 394 graduates from FY23 will have an annual economic impact of \$630 million on the Wisconsin economy. MCW graduates from FY23 who remain in Wisconsin will generate \$25.2 billion over a lifetime of employment (40 years).

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Children's Wisconsin and the Zablocki VA generate more substantial economic and social impact nationally. Tripp Umbach estimates that \$2.16 billion of Froedtert ThedaCare Health's total impact, \$273.6 million of Children Wisconsin's total impact and \$182.4 million of the Zablocki VA's total impact are directly attributable to MCW. Therefore, \$2.62 billion in additional economic impact on the national economy was generated in fiscal year 2023 by MCW's partnership with its principal clinical partners.

When added to the \$3.2 billion in the overall operational impact of MCW in fiscal year 2023, the total economic impact of MCW and the contributions of its faculty through its clinical partners totaled \$5.82 billion. Statewide, MCW generated \$246.1 million in state and local taxes with clinical partners.

Community Engagement Spans the Entire State

MCW's community-based mission makes it unique among US medical schools – demonstrating an outsized commitment to addressing root causes of health disparities and generating substantial social impact. In fiscal 2023, 1,062 faculty and staff from MCW collaborated with 600 community partners, groups and organizations to improve health across Wisconsin.

MCW has invested more than \$338 million in more than 600 projects to improve health and reduce disparities statewide through the Advancing a Healthier Wisconsin Endowment (see the cover story in the spring 2024 issue of MCW Magazine), including \$20 million to improve behavioral health outcomes. The report estimates that MCW faculty, staff and students generated \$27.1 million annually in charitable donations and volunteer services.

This \$27.1 million impact includes \$11.9 million donated to local charitable organizations and \$15.2 million in value of volunteer time.

"Academic medical centers are immense gems for the communities they work within," says Matthew Lester, MCW's executive vice president for finance and administration, and chief operating officer. "This comprehensive economic impact report demonstrates the breadth of who we are as an institution. We educate students, do research, provide patient care and support community activities. It is important for us to be able to answer the question, 'What does MCW mean to the community?'" ■



Future Impact of Biohealth

The biohealth industry – a multidisciplinary field that applies biological science to human health and society – generated \$37.7 billion in total economic impact in Wisconsin in 2023. It is poised to become an even larger economic engine for the state, and job growth in the biohealth industry is outpacing national growth. Wisconsin's opportunity is propelled in part by a \$49 million grant from the US Economic Development Administration (EDA) in July 2024 to the Wisconsin BioHealth Tech Hub to implement five projects that will help position the state as a national leader in personalized medicine. The five interconnected projects are anticipated to provide \$9 billion in new economic activity.

MCW is one of 18 members of the Tech Hub Consortium representing Wisconsin's personalized medicine strengths across public and private sector partners that came together for a unified purpose: to advance Wisconsin. MCW is leading CAREScan Mobile Screening – one of three technology projects funded by the EDA.

"CAREScan aims to revolutionize the delivery of healthcare as a fully mobile platform that improves health through neighborhood-based access to screening and care," says Mara Lord, PhD '23, MBA, MCW's chief strategy and growth officer and co-lead on CAREScan.

