

UMB FAST FACTS



MISSION

To improve the human condition and serve the public good of Maryland and society at-large through education, research, clinical care, and service.

VISION

The University will excel as a preeminent institution in its missions to educate professionals, conduct research that addresses real-world issues affecting the human condition, provide excellent clinical care and practice, and serve the public with dedication to improve health, justice, and the public good. The University will become a dominant economic leader of the region through innovation, entrepreneurship, philanthropy, and interdisciplinary and inter-professional teamwork. The University will extend its reach with hallmark local and global initiatives that positively transform lives and our economy. The University will be a beacon to the world as an environment for learning and discovery that is rich in diversity and inclusion. The University's pillars of professionalism are civility, accountability, transparency, and efficiency. The University will be a vibrant community where students, faculty, staff, visitors, and neighbors are engaged intellectually, culturally, and socially.

SCHOOLS

School	Year Founded
School of Medicine	1807
Carey School of Law	1824
School of Dentistry	1840
School of Pharmacy	1841
School of Nursing	1889
Graduate School	1918
School of Social Work	1961

Facilities

Located in Baltimore, the campus consists of 65 acres with 6.3 million gross square feet of space in 57 buildings.

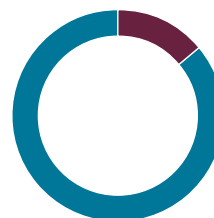
CORE VALUES

- RESPECT *and* INTEGRITY
- WELL-BEING *and* SUSTAINABILITY
- EQUITY *and* JUSTICE
- INNOVATION *and* DISCOVERY

STUDENTS — The Future of Care

As the state's only public health, law, and human services university, UMB confers the majority of professional practice doctoral degrees awarded in Maryland each year.

ENROLLMENT BY PROGRAM



of students % of total

14% UNDERGRADUATE

Nurses	920	13%
Dental Hygienists	27	0.4%
Medical and Research Technologists	16	0.2%

Undergraduate Total 963 14%

86% PROFESSIONAL/GRADUATE

Biomedical	1,516	22%
Nurses	1,155	17%
Lawyers	779	11%
Social Workers	768	11%
Physicians	587	8%
Dentists	584	8%
Pharmacists	372	5%
Physical Therapists	207	3%

Prof./Graduate Total 5,968 86%

Total — Fall 2022 6,931 100%

STUDENT DEMOGRAPHICS



27% MALE
73% FEMALE



67% IN-STATE
33% OUT-OF-STATE

19% AFRICAN AMERICAN

47% MINORITIES

EMPLOYMENT — FALL 2022

Faculty	3,201
Executive/Professional	2,777
Support Personnel	1,266
Total Regular Employees	7,244
Student Employees	798
Total Employees	8,042

AN ENTREPRENEURIAL CAMPUS

FY 2023 - Sources of Funds

Research Grants and Contracts	38%
Clinical (Patient) Care	26%
Research and Clinical Care	64%
State Funds	22%
Tuition and Fees	12%
Auxiliary Fees	2%
Total \$1.33 Billion	100%

HISTORY

→ 1807

The Maryland General Assembly chartered the **College of Medicine**; it is now the nation's oldest public medical school.

→ 1812

The Maryland General Assembly rechartered the College of Medicine as the **University of Maryland** and expanded its mission.

→ 1824

The forerunner of **Maryland Carey Law**, the Maryland Law Institute, was opened.

→ 1840

The world's first dental college, the **Baltimore College of Dental Surgery**, was chartered.

→ 1841

The Maryland General Assembly chartered the **College of Pharmacy**, making it the fourth-oldest pharmacy school in the nation.

→ 1889

Louisa Parsons, a colleague of Florence Nightingale, established the **School of Nursing**, one of the nation's oldest formal nursing training programs, at the University of Maryland.

→ 1918

To promote and enhance research, scholarship, and advanced study, the **Graduate School** opened.

→ 1961

In response to growing social and cultural needs, the **School of Social Work** opened.

NATIONAL RANKINGS

Dentistry	9th	NIH Funding (Publics) FY 2021
Medicine	10th	Research (Publics) <i>U.S. News & World Report</i> (2022)
	13th	Primary Care (Publics) <i>U.S. News & World Report</i> (2022)
Law		Three specialties in top 10 in <i>U.S. News & World Report</i> (2022): Health Care Law 7th, Part-Time Law 8th, and Clinical Training 9th.
Nursing		Bachelor of Science in Nursing 9th; Doctor of Nursing Practice 4th (publics); Master of Science in Nursing 9th (publics); MSN-Health Services Leadership and Management Online 2nd (publics) in <i>U.S. News & World Report</i> (2022).
Pharmacy	14th	<i>U.S. News & World Report</i> (2020)
Social Work	21st	<i>U.S. News & World Report</i> (2022)

DRIVING THE ECONOMY

Dramatic Achievements

- Fiscal Year 2022: Awarded \$654 million in grants and contracts
- Yield: \$1.5 million research dollars per core faculty
- With combined research expenditures of \$1.1 billion, UMB and the University of Maryland, College Park ranked No. 10 among public institutions in the National Science Foundation's Higher Education Research and Development survey for FY20.

Return on Investment

- Yields \$13 in economic activity for each \$1 of state general fund appropriation
- Generates nearly 16,000 jobs
- With UMB's affiliated physician practices and the University of Maryland Medical Center, generates \$8 billion in annual economic activity

COMMERCIAL POTENTIAL

In Fiscal Year 2022, UM Ventures — the joint technology transfer enterprise of UMB and the University of Maryland, College Park — accelerated the translation of research into market-ready technologies and therapies that improve health, wellness, safety, and productivity.

Commercialization of technology at UMB alone was substantial with:

- 60 new patents awarded
- 36 new license agreements
- 10 new startup companies
- 3 products based on UMB technology made it to the market

UMB technologies and startups are making significant strides in achieving regulatory approvals and raising funding. Recent successes include:

- **Abiomed** made its first commercial sale of the **Breeth OXY-1 System**. Invented at UMB and developed by UMB startup Breethe, the device is the world's first portable artificial lung system. Breethe received early investment from UM Ventures and raised more than \$16 million in funding before being acquired by Abiomed in April 2020.
- **CoapTech** received an Investigational Device Exemption from the Food and Drug Administration (FDA) to initiate a pediatric clinical trial for its PUMA-G System, which allows for ultrasound-based placement of percutaneous gastrostomy feeding tubes.
- **GEN1E Lifesciences** successfully completed a Phase 1 clinical trial for its lead compound, Gen-1124, which addresses acute respiratory distress syndrome, a devastating lung condition with no FDA approved treatment. GEN1E, a startup led by a graduate of the University of Maryland School of Pharmacy, is developing therapeutics for inflammatory and age-related diseases and has successfully licensed multiple UMB technologies.

UM Ventures also provides tailored funding, educational programs, and other resources that strengthen the commercialization of high-potential University-based discoveries, with specific efforts to encourage UMB-created or -sponsored technology companies to locate in Baltimore City. Highlights include:

- **The Maryland Momentum Fund (MMF)** is a \$16 million early-stage venture fund that invests in University System of Maryland (USM)-affiliated companies. Since 2018, MMF has invested \$10.6 million in 28 startups, including \$2.3 million in co-investment from USM institutions. These companies have raised \$91.1 million in matching funds from more than 150 unique co-investors. Five UMB-affiliated companies have received investment: NextStep Robotics, Secretome Therapeutics (formerly NeoProgen), Veralox, KaloCyte, and ARMR Systems.
- **The Baltimore Fund** has encouraged the expansion and location of 62 entities in qualifying areas, creating or retaining more than 640 jobs since the program was established.
- **The Life Sciences IP Fund** has assisted 24 early-stage technologies, including 11 device and 13 therapeutic technologies, in moving toward commercialization. Four new UMB startups — Isoprene Pharmaceuticals, Protaryx, GEN1E Lifesciences, and RenuBioMed — have been formed as a result of the program.
- **UMB's New Ventures equity investment program** has invested \$1.4 million in 11 UMB startups, helping these companies obtain an additional \$86.8 million of co- and follow-on funding.

The 14-acre **University of Maryland BioPark**, home to more than 1,000 employees, provides sophisticated lab and office space for nearly three dozen early-stage life science companies, University-based startups, and sophisticated bioscience industry leaders such as Illumina, Catalent, Pharmaron, and BD.

COMMUNITY SERVICE

Students, faculty, and staff contribute more than 2 million hours of service annually to citizens throughout Maryland, providing programming that improves health and wellness, advances justice, promotes economic development, and strengthens families and communities.

HEALTH CARE/LEGAL AND SOCIAL JUSTICE SERVICES

Dentistry

- The only dental school in Maryland also is the largest provider of oral health services to Medicaid children and the largest provider of oral health care to people living with HIV disease who are uninsured or underinsured.
- Nearly 19,000 patients and more than 76,000 patient visits are recorded each year.

Francis King Carey School of Law

- Each year, 150 Carey Law students provide nearly 75,000 hours of free legal services through 18 legal clinics, making the Clinical Law Program one of the region's largest public interest law firms.

Medicine

- School of Medicine faculty, staff, and students annually provide hundreds of hours of community outreach in hospitals, clinics, homeless shelters, and schools.
- Mini-Med School, Mini-Med School for Kids, and the Seniors Medical Symposium provide hundreds of adults and children with tuition-free, faculty-led classes to improve health and well-being.

Nursing

- The nurse's clinic at Paul's Place, a community outreach center in Southwest Baltimore, provided nursing services to 411 community members in 2021.

As a result, the clinic connected 79 percent of Paul's Place guests to affordable and accessible medical care. The clinic serves as a clinical placement for nursing students at UMB.

- The UMB Community Engagement Center's Health Suite, led by a School of Nursing faculty member, provides interprofessional public health interventions to improve wellness through health literacy, care coordination, and addressing social determinants of health for West Baltimore residents. Since opening in fall 2021, the health suite team has conducted more than 300 neighbor visits and helped over 425 neighbors become vaccinated against COVID-19.

Pharmacy

- Faculty and staff provide clinical service to about 50,000 patients each year in more than 24 practice settings in specialties such as community pharmacy, cardiology, oncology, pediatrics, HIV/AIDS, mental health, diabetes, geriatrics, and palliative care.
- The school offers 10 academic programs with more than 1,200 students and has a research portfolio of \$38.5 million in grants and contracts.

Social Work

- More than 800 social work students provide over 500,000 hours of care to Maryland citizens annually.

ENGAGEMENT IN BALTIMORE

- The UMB Office of Community Engagement partners with community-based, local, state, and national organizations to improve health, education, economic, and social conditions in West Baltimore.
- The UMB CURE Scholars Program is a long-term mentoring initiative designed to excite West Baltimore middle and high school students about science and begin preparing them for careers in research and health care.

- The School of Social Work operates Promise Heights, a network of partnerships and services intended to stabilize and strengthen families in a high-need West Baltimore neighborhood and help children succeed in school.
- The Partnership with West Baltimore is a collaboration between UMB and the University of Maryland Medical Center designed to improve population health, stimulate economic and community development, boost academic achievement, and nurture community connections.

FOR MORE INFORMATION, CONTACT THE UNIVERSITY OF MARYLAND, BALTIMORE GOVERNMENT AFFAIRS OFFICE AT 410-269-5087.

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