

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 pre-eminent 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 6.5 million gross square feet of space in 55 buildings.

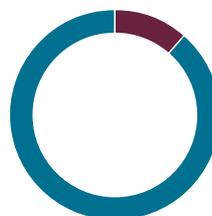
CORE VALUES

- 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

13% UNDERGRADUATE

Nurses	886	12%
Dental Hygienists	27	0.4%
Medical Technologists	17	0.2%

Undergraduate Total 930 13%

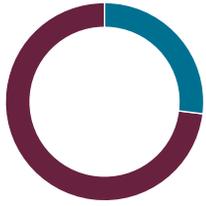
87% PROFESSIONAL/GRADUATE

Biomedical	1,554	22%
Nurses	1,244	17%
Social Workers	877	12%
Lawyers	813	11%
Physicians	602	8%
Dentists	580	8%
Pharmacists	442	6%
Physical Therapists	202	3%

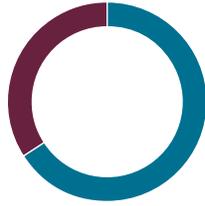
Prof./Graduate Total 6,314 87%

Total — Fall 2021 7,244 100%

STUDENT DEMOGRAPHICS



27% MALE
73% FEMALE



66% IN-STATE
34% OUT-OF-STATE

18% AFRICAN AMERICAN

45% MINORITIES

EMPLOYMENT — FALL 2021

Faculty	3,123
Executive/Professional	2,637
Support Personnel	1,302

Total Regular Employees 7,062

Student Employees 793

Total Employees 7,855

AN ENTREPRENEURIAL CAMPUS

FY 2021 - Sources of Funds

Research Contracts and Grants	43%
Clinical (Patient) Care	25%

Research and Clinical Care 68%

State Funds	19%
Tuition and Fees	12%
Auxiliary Fees	1%

Total \$1.31 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 following year, 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	4 th	NIH Funding (Publics) FY 2020
Medicine	9 th	Research (Publics) – <i>U.S. News & World Report</i> (2021)
Law		Three specialties in top 10 in <i>U.S. News & World Report</i> (2022): Health Care Law 7 th , Part-Time Law 8 th , and Clinical Training 9 th .
Nursing		Two specialties in top 10 in <i>U.S. News & World Report</i> (2022): DNP-Adult/Gerontology Primary Care 6 th and DNP-Nurse Practitioner, Family 8 th . Two online specialties in top 10 in <i>U.S. News & World Report</i> (2021): Nursing Administration/Leadership 7 th and Nursing Education 8 th .
Pharmacy	14 th	<i>U.S. News & World Report</i> (2020)
Social Work	17 th	<i>U.S. News & World Report</i> (2019)

DRIVING THE ECONOMY

Dramatic Achievements

- Fiscal Year 2021: \$692 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. 8 among public institutions in the National Science Foundation's Higher Education Research and Development survey for FY19.

Return on Investment

- Yields \$13 in economic activity for each \$1 of state general fund appropriation
- Generates more than 17,000 jobs
- Together with the University of Maryland Medical Center and affiliated physician practices, generates \$7.9 billion in annual economic activity

COMMERCIAL POTENTIAL

In FY21, 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:

- 122 new patents awarded
- 46 new license agreements
- 11 new startup companies
- 4 products based on UMB technology made it to the market
- 2 new UM Ventures investments in UMB startups

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

- **Isoprene Pharmaceuticals**, a therapeutic startup developing novel small molecules for the treatment of cancer, received a two-year, \$2 million Small Business Innovation Research grant from the National Cancer Institute in support of ongoing advanced preclinical studies. Isoprene's technology has received UM Ventures investment, and the company is managed by the New Ventures Initiative team.
- The **Breathe OXY-1 System** received FDA 510(k) approval in October 2020, clearing it for use in patients. Invented at UMB and developed by UMB startup Breathe, the device is the world's first portable artificial lung system. Breathe received early investment from UM Ventures and raised more than \$16 million in funding before being acquired by Abiomed in April 2020.
- CoapTech's **PUMA-G System**, which enables ultrasound-based placement of percutaneous gastrostomy feeding tubes, received CE Mark approval, paving the way for the company to bring its device to the European market. The company also was awarded a two-year, \$1.6 million National Institutes of Health Small Business Innovation Research Phase II grant to finalize development and

trial of its Pediatric PUMA-G System.

- **Pumas-AI** rolled out a significant update to its end-to-end pharmaceutical modeling and simulation platform for quantitative analysis across the drug development lifecycle. The platform provides pharmaceutical and biotechnology companies and their investors usable quantitative metrics on technical, regulatory, and commercial success probabilities.

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)**, a \$10 million early-stage investment program investing in University System of Maryland-affiliated companies, has invested \$6.2 million in 23 companies with \$57 million in matching funds from more than 150 co-investors. USM institutions co-invested an additional \$2.2 million alongside MMF. Five UMB-affiliated companies have received investment: NextStep Robotics, NeoProgen, Veralex, KaloCyte, and ARM Systems.
- **The Baltimore Fund** has encouraged the expansion and location of 24 companies in qualifying areas, creating or retaining more than 500 jobs.
- **The Life Sciences IP Fund** has assisted 24 early-stage technologies, including 10 device and 11 therapeutic technologies, in moving toward commercialization. Three new UMB startups — Isoprene Pharmaceuticals, Protaryx, and GEN1E Lifesciences — have been formed as a result of the program.

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, and Pharmaron.

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

School of 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 are treated 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.

School of Medicine

- Attending physicians at the University of Maryland Medical Center are faculty members of the School of Medicine (UMSOM).
- A record 163 UMSOM physicians were named "Top Docs" by *Baltimore* magazine in 2020.
- Research funding in Fiscal Year 2021 totaled \$555 million.

School of Nursing

- The nurse's clinic at Paul's Place, a community outreach center in Southwest Baltimore, provided nursing services to 391 communities members in 2020. As a result, the clinic connected 83 percent of Paul's Place guests to affordable and accessible medical care. The clinic serves as a clinical placement for nursing and medical students at UMB.

School of Pharmacy

- Faculty and staff provide clinical service to approximately 35,000 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 nine academic programs and has a research portfolio of more than \$32 million in grants and contracts.

School of Social Work

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

ENGAGEMENT IN BALTIMORE

- The new UMB Community Engagement Center (CEC), adjacent to campus and almost seven times larger than the original CEC, provides direct health, employment, legal, and social services to West Baltimore residents, and works with them on neighborhood-strengthening projects.
- 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 rewarding 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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