

# 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 6.3 million gross square feet of space in 57 buildings.

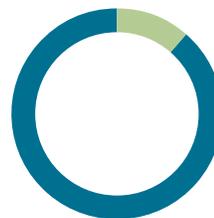
## CORE VALUES

|                |            |
|----------------|------------|
| ACCOUNTABILITY | EXCELLENCE |
| CIVILITY       | KNOWLEDGE  |
| COLLABORATION  | LEADERSHIP |
| DIVERSITY      |            |

## 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                | 853 | 12%  |
| Dental Hygienists     | 28  | 0.4% |
| Medical Technologists | 17  | 0.2% |

**Undergraduate Total    898    13%**

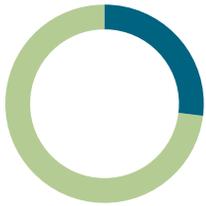
### 87% PROFESSIONAL/GRADUATE

|                     |       |     |
|---------------------|-------|-----|
| Biomedical          | 1,406 | 20% |
| Nurses              | 1,233 | 17% |
| Social Workers      | 966   | 13% |
| Lawyers             | 753   | 11% |
| Physicians          | 622   | 9%  |
| Dentists            | 580   | 8%  |
| Pharmacists         | 479   | 7%  |
| Physical Therapists | 200   | 3%  |

**Prof./Graduate Total    6,239    87%**

**Total — Fall 2020    7,137    100%**

## STUDENT DEMOGRAPHICS



27% MALE  
73% FEMALE



69% IN-STATE  
31% OUT-OF-STATE

18% AFRICAN AMERICAN

45% MINORITIES

## EMPLOYMENT — FALL 2020

|                   |       |
|-------------------|-------|
| Faculty           | 3,033 |
| Executive/Prof.   | 2,585 |
| Support Personnel | 1,357 |

**Total Regular Employees 6,975**

Student Employees 781

**Total Employees 7,756**

## AN ENTREPRENEURIAL CAMPUS

### FY 2020 - Sources of Funds

|                               |     |
|-------------------------------|-----|
| Research Contracts and Grants | 41% |
| Clinical (Patient) Care       | 25% |

**Research and Clinical Care 66%**

|                  |     |
|------------------|-----|
| State Funds      | 19% |
| Tuition and Fees | 11% |
| Auxiliary Fees   | 4%  |

**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 the **law school**, 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   | 6 <sup>th</sup>  | NIH Funding (Publics) FY 2019   |
| Medicine    | 12 <sup>th</sup> | Primary Care – <i>U.S. News &amp; World Report</i> (2020)   |
| Law         |                  | Four specialties in top 10 in <i>U.S. News &amp; World Report</i> (2020), with Part-Time Law 4 <sup>th</sup> , Clinical Training 6 <sup>th</sup> , Health Care Law 7 <sup>th</sup> , and Environmental Law 10 <sup>th</sup>   |
| Nursing     | 6 <sup>th</sup>  | Four specialties in top 10 in <i>U.S. News &amp; World Report</i> (2020), with Clinical Nurse Leader (Master's) 2 <sup>nd</sup> , Nurse Practitioner, Family (DNP) 4 <sup>th</sup> , Administration/Management (DNP) 7 <sup>th</sup> , and Adult/Gerontology Acute Care (DNP) 8 <sup>th</sup> |
| Pharmacy    | 14 <sup>th</sup> | <i>U.S. News &amp; World Report</i> (2020)  |
| Social Work | 17 <sup>th</sup> | <i>U.S. News &amp; World Report</i> (2019)  |

## DRIVING THE ECONOMY

### Dramatic Achievements

- Fiscal Year 2020: Awarded \$688 million in grants and contracts
- Yield: \$1.5 million research dollars per core faculty

### 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 FY20, 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:

- 274 new patent filings
- 35 new license agreements
- seven new startup companies
- two UM Ventures investment portfolio company acquisitions
- one new UM Ventures investment in a UMB startup

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

- **Breethe**, a UMB startup developing the world's first portable artificial lung system, was acquired by Abiomed in April 2020. Breethe received early investment from UM Ventures and raised more than \$16 million in funding after the company was founded in 2015.
- **SurgiGYN**, a medical device company developing a uterine electrosurgical device to improve the safety and ease of total laparoscopic hysterectomy, was acquired in early 2020 by a leading global medical device company. UM Ventures provided early investment in the technology and the New Ventures Initiative team managed SurgiGYN, advancing the device to acquisition.
- **Protaryx**, a medical device startup developing a device to access the left atrium for transcatheter cardiac procedures, closed a \$5.1 million Series A funding round led by Ajax Health and with participation from UM Ventures. In total, Protaryx has raised \$8.3 million in funding.
- **GEN1E Lifesciences**, a startup developing therapeutics for inflammatory and age-related diseases, licensed UMB's p38a kinase inhibitor program after vetting the technology in fall 2019. UM Ventures

invested in the inhibitor program, helping advance it to a licensable stage. GEN1E closed a \$3 million funding round in early 2020.

- **Isoprene Pharmaceuticals**, a therapeutic startup developing novel small molecules for the treatment of cancer, sublicensed its technology to Hoth Therapeutics in spring 2020. Isoprene's technology has received UM Ventures investment, and the company is managed by the New Ventures Initiative team.

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 University-created or -sponsored technology companies to locate in Baltimore City. Highlights include:

- **The Maryland Momentum Fund**, a \$10 million early-stage investment program investing in University System of Maryland-affiliated companies, has invested \$4.7 million in 16 companies with \$21 million in matching funds from more than 20 co-investors. Five UMB-affiliated companies have received investment: NextStep Robotics, NeoProgen, Veralex, KaloCyte, and ARMOR Systems.
- **The Baltimore Fund** has encouraged the expansion and location of 18 companies in qualifying areas, creating or retaining more than 400 jobs.
- **The Life Sciences IP Fund** has assisted 21 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

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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 AND LEGAL CARE

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### School of Medicine

- Attending physicians at the University of Maryland Medical Center are faculty members of the School of Medicine (SOM).
- A record 163 SOM physicians were named “Top Docs” by *Baltimore* magazine in 2020, and research funding in Fiscal Year 2020 totaled \$563 million, the highest total ever.
- In 2020, the school completed its Special Trans-Disciplinary Recruitment Award Program (STRAP), which attracted 26 teams of scientists from leading institutions across the United States, bringing more than \$100 million in total research funding to SOM.

### School of Dentistry

- The only dental school in Maryland also is the largest provider of oral health services to Medicaid children/HIV patients.
- More than 23,000 patients are treated and 95,000 patient visits are recorded each year.
- Founded in 1840, it is the world’s first dental college.

### Francis King Carey School of Law

- Each year, 150 Carey Law students provide nearly 75,000 hours of free legal services through 17 legal clinics, making the Clinical Law Program one of the region’s largest public interest law firms.

### School of Nursing

- The nurse’s clinic at Paul’s Place, a community outreach center in Southwest Baltimore, provided 208 intensive clinical case management visits and 165 outreach encounters with patients in FY20. As a result, the clinic — run by associate professor Kelly Doran, PhD ’11, MS ’08, RN — was able to divert 96 percent of nonemergent cases to an appropriate nonemergent care facility. The clinic serves as a clinical placement for nursing and medical students at UMB.

### School of Pharmacy

- In 2019, the Maryland Poison Center received 36,245 calls.
- 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.
- In 2018, the School of Pharmacy launched the MS in Medical Cannabis Science and Therapeutics, the nation’s first graduate program focused on the study of medical cannabis.

### School of Social Work

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

## ENGAGEMENT IN BALTIMORE

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- 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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