



**COLLEGE OF  
MEDICINE**  
[medicine.musc.edu](http://medicine.musc.edu)





# COLLEGE OF MEDICINE

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As the oldest medical school in the South, the MUSC College of Medicine has a history as rich as the city we call home. More important than our history, though, are the roles our faculty and graduates have in medicine today and in the future of health care. Through education, patient care and research, we are setting the course for the future of medicine in our state, while also making a global impact.

MUSC's main campus is located on more than 50 acres in the city of Charleston. Each year, the MUSC College of Medicine offers admission to a diverse class of medical students and Masters of Public Health (MPH) students, and trains numerous graduate students, residents and fellows. Our students consistently exceed the national pass rate on board exams and garner residency positions in the country's finest training programs.

In addition to working closely with College of Medicine students and trainees, College of Medicine faculty support MUSC's clinical operations through MUSC Health and are engaged in a wide range of basic, clinical and translational research activities.

As we seek to serve an increasingly diverse population, we are committed to creating an inclusive environment that fosters cultural understanding, cultural competency, and opportunities for individuals of all backgrounds. With more than half of our graduates remaining in South Carolina, the college is an invaluable source of physicians for the citizens of our state.

## COLLEGE OF MEDICINE | BY THE NUMBERS

Patient care, education and research are equally important parts of our mission. As we look to the future, it is vital that we are able to translate our discoveries into treatments and interventions that will improve the health of those we serve. Through academic excellence, innovation and discovery, and a commitment to serving patients with the highest level of care, the college is changing what's possible in medical education, research and patient care.



**1,400**  
faculty members



**740**  
medical students



**98%** COM students  
matched to residency opportunities



**850**  
resident physicians



**79** ACGME  
residency programs



**127**  
post-doctoral trainees



**1,500**  
employees



**25** departments,  
including basic sciences  
and clinical



**\$263 M**  
in annual research funding



**998** research  
awards in FY 2021



**102** invention  
disclosures filed in 2021



**74** U.S.  
patents filed in 2021



**9,400+** MDs  
conferred since 1824



**46** foreign  
patents filed in 2021



## ACADEMIC DEGREES

**Doctor of Medicine (M.D.)** – The four-year program, which leads to an M.D. degree, is designed to integrate fully the basic and clinical sciences within a continuum of learning while also allowing students to pursue a scholarly concentration in research, global health and other areas. A three-year accelerated pathway that leads to residency training at MUSC is available to students who meet specific eligibility requirements.

**Medical Scientist Training Program (M.D./Ph.D.)** – The course of study for this degree is specially tailored to meet the particular needs and research interests of the individual student. The curriculum is coordinated to include basic science and clinical rotations in medical school, plus graduate education and sufficient time to conduct a significant research project leading to a Ph.D.

**Masters of Public Health (MPH)** - The COM's Department of Public Health Sciences offers a Masters of Public Health degree with a concentration in Biostatistics, Epidemiology, or Health Behavior and Health Promotion.

In addition, multiple opportunities exist to earn a **Master of Science in Public Health**, a **Master of Science in Business Administration**, or a **Master of Science in Clinical Research** while in medical school, with the addition of one year in a flexible program of study.





## RESEARCH

Research is an integral part of faculty and student pursuits in the College of Medicine. Overall annual funding for research is currently \$263 million, with sources including corporate, federal, state, foundation, and other funding.

The research portfolio within the COM ranges from basic sciences and laboratory research to translational research and clinical trials, with faculty frequently publishing in high impact medical journals and translating advances into new therapeutic applications.

Areas of significant emphasis in recent years have included Brain & Behavior, Cancer, Cardiovascular, Genetics & Genomics, Microbiology & Immunology, Public Health Sciences, and Regenerative Medicine. Looking to the future, the current COM Research Strategic Plan lays the foundation to develop an integrated program around the theme of Healthy Aging and Longevity.

	NIH Awards	Total Awards	Total Counts
FY19	\$119,625,899	\$250,291,561	1104.5
FY20	\$121,447,707	\$248,776,823	993
FY21	\$114,313,712	\$263,195,346	998



## CLINICAL CARE

The college's clinical faculty members support MUSC's clinical operations through MUSC Health. Through our eighteen clinical departments, our faculty members and other clinical staff provide inpatient and outpatient care at MUSC's main campus and satellite locations across the state.

We continue to nurture strong programs in primary health care to support current and future educational, research and service requirements. We are also active participants and leaders in telehealth as a mechanism to extend our reach and service across the state and beyond.

## COMMUNITY OUTREACH

Students, faculty, and staff from the College of Medicine are actively involved in a number of outreach initiatives, both as individuals and representatives of the COM. Representative examples include:

- The **MUSC CARES CLINIC** (Community Aid Relief Education Support) - Innovative student-run free medical and therapy clinics for uninsured patients.
- Participation in Global Health initiatives sponsored through **MUSC's Center for Global Health** and other community organizations.
- The **Senior Mentor Program** connects medical students with people aged 65 and older. Students meet with senior mentors in their homes to learn in a non-clinical setting. This experience provides not only knowledge of aging, but has a positive effect on students' attitudes toward caring for older adults.



## DIVERSITY

The COM's Group on Diversity Affairs works to enhance diversity among students, residents and faculty through programs designed to support underrepresented in medicine (URM) individuals.

Initiatives include pipeline programs to provide exposure to medical careers to middle, high school and undergraduate students; mentoring programs for current medical students; mentoring programs for residents; and faculty programs that focus on various aspects of diversity.

- The COM has emerged as a national leader in the recruitment, retention, and graduation of URM students.
- Twenty percent of students in the M.D. program identify as URM, and the American Association of Medical Colleges ranks the college in the 96th percentile for percent of graduates who are Black or African-American.
- The number of minority faculty and trainees has increased significantly in recent years. Currently, fourteen percent of all residents and fellows in the college are considered underrepresented in medicine, and our faculty percentage (7) is consistent with the national average.



# THE MEDICAL UNIVERSITY OF SOUTH CAROLINA

## ABOUT MUSC

Founded in 1824 in Charleston, MUSC is home to the state's only comprehensive academic health system, with a unique mission to preserve and optimize human life in South Carolina through education, research and patient care. Each year, MUSC educates more than 3,000 students in six colleges: Dental Medicine, Graduate Studies, Health Professions, Medicine, Nursing and Pharmacy, and trains more than 800 residents and fellows in its health system. MUSC brought in more than \$327.6 million in research funds in fiscal year 2021, leading the state overall in research funding, as well as federal and National Institutes of Health funding, with more than \$220 million.

As the health care system of the Medical University of South Carolina, MUSC Health is dedicated to delivering the highest quality and safe patient care while educating and training generations of outstanding health care providers and leaders to serve the people of South Carolina and beyond. Patient care is provided at 14 hospitals with approximately 2,500 beds and five additional hospital locations in development, more than 350 telehealth sites and connectivity to patients' homes, and nearly 750 care locations situated in all regions of South Carolina. In 2021, for the seventh consecutive year, U.S. News & World Report named MUSC Health the No. 1 hospital in South Carolina.

MUSC and its affiliates have collective annual budgets of \$4.4 billion. The nearly 25,000 MUSC team members include world-class faculty, physicians, specialty providers, scientists, affiliates and care team members who deliver groundbreaking education, research, technology solutions and patient care.

**For more information on academics or research, visit [musc.edu](https://musc.edu).**

**For more information on patient care, visit [muschealth.org](https://muschealth.org).**

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