

University of South Carolina
BOARD OF TRUSTEES

Health and Medical Affairs Committee
In Person, Floyd Boardroom, Pastides Alumni Center
and By Microsoft Teams
November 18, 2022

OPEN SESSION

I. Call to Order

Chair Mobley called the meeting to order at 11:39 a.m. Secretary Howell confirmed Trustees attending in person and by Microsoft Teams audio and video conference.

Committee Members in attendance:

Hubert F. Mobley, Chair
C. Edward Floyd (online)
Richard A. Jones Jr.
Toney J. Lister (online)
Miles Loadholt (online)
Emma W. Morris
C. Dorn Smith III
Mack I. Whittle Jr.
Rose Buyck Newton, *Board Vice Chair*
Thad H. Westbrook, *Board Chair*

Other Trustees in attendance:

C. Dan Adams
J. Egerton Burroughs
Alex English
Brian C. Harlan
E. Scott Moise
Leah B. Moody
Molly M. Spearman (online)
John C. von Lehe Jr. (online)
Charles H. Williams (online)

Other in attendance:

Audrey Korsgaard, USC Columbia Faculty Senate Chair
Reedy Newton, USC Columbia Student Government President
Robin Roberts, Expert Advisor to the Advancement, Engagement and Communications Committee (online)
David Seaton, Expert Advisor to the Governance Committee

Administrators in attendance:

Michael Amiridis, President

Cameron Howell, University Secretary and Secretary of the Board of Trustees

Donna Arnett, Executive Vice President for Academic Affairs and Provost

Terry Parham, General Counsel

Ed Walton, Executive Vice President and Chief Financial Officer

Media in attendance:

Caleb Bozard, the *Daily Gamecock*

Sydney Dunlap, the *Daily Gamecock*

Alexa Jurado, the *State*

Notice:

Chair Mobley stated notice of the meeting and agenda had been posted and the press notified as required by the Freedom of Information Act; the agenda and supporting materials had been circulated to the Committee; and a quorum was present to conduct business.

MOTION FOR EXECUTIVE SESSION

Chair Mobley stated there was a need for an Executive Session to discuss a potential contractual matter regarding the selection of contractors for the Health Sciences campus.

Dr. Smith made a motion to enter Executive Session; Mr. Westbrook seconded the motion. A vote was taken, and the motion carried unanimously.

Chair Mobley invited the following to remain: Trustees, Dr. Korsgaard, Ms. Reedy Newton, Mr. Seaton, President Amiridis, Secretary Howell, Dr. Arnett, Ms. Dodenhoff, Ms. Dunleavy, Dr. Fritz, Dean Jenkins, Dean Hall, Mr. Parham, Mr. Sobieralski, Mr. Thomas, Mr. Tolliver, Mr. Walton, and Board support staff.

EXECUTIVE SESSION

— Executive Session Removed

RETURN TO OPEN SESSION

II. Report for the USC School of Medicine – Greenville’s Joint Board Liaison Committee

Chair Mobley stated the Joint Board Liaison Committee met Monday, November 14, 2022 and a report on the meeting was posted to the Board portal for review. [HMAC 111822 OS II]
Chair Mobley stated the report was received as information.

III. USC School of Medicine – Greenville Dean’s Update

Dean Marjorie Jenkins provided an update on the School of Medicine – Greenville. [HMAC 111822 OS III]

Chair Mobley stated the update was received as information.

IV. USC School of Medicine – Columbia Dean’s Update

Dean Les Hall provided an update on the School of Medicine – Columbia. [HMAC 111822 OS IV]

Chair Mobley stated the update was received as information.

V. Anticipated Areas for Growth for University Health Programs

This agenda item was postponed until the next scheduled meeting of the Health and Medical Affairs Committee.

VI. Other Matters

Chair Mobley called for any other matters to come before the Committee. There were none.

VII. Adjournment

Chair Mobley declared the meeting adjourned at 12:48 p.m.

Respectfully submitted,

Cameron Howell
Secretary



November 14, 2022

Board of Trustees
University of South Carolina
Osborne Administration Building
University of South Carolina
Columbia, SC 29208

Dear Board Members:

At the Joint Board Liaison Committee meeting held on Friday, November 14, 2022, I covered the following topics:

- SOMG Update, Academic Year 2022–2023
- Historically Diverse Student Body
- SC Physician Pipeline
- Innovation: Educational Programs
- Research: Students & Faculty
- National Recognition: Education & Technology
- 10th Anniversary
- First 10 Years: SOMG Economic Impact
- The Next Decade Initiative
- Future Focus Areas and Challenges
- FY2023 Budget

The slides presented at the JBLC meeting are attached, and I will be available to answer any questions you may have at the Health & Medical Affairs Committee meeting taking place on November 18, 2022.

Sincerely,

Marjorie R. Jenkins, MD MEdHP FACP
Dean, USC School of Medicine Greenville
Associate Provost

SCHOOL OF MEDICINE GREENVILLE

Marjorie R. Jenkins, MD MEdHP FACP
Dean, USC School of Medicine Greenville
Chief Academic Officer
Prisma Health – Greenville

Joint Board Liaison Committee
November 14, 2022



UNIVERSITY OF
South Carolina

School of Medicine Greenville

CLASS OF 2026 – BY THE NUMBERS

105 Students
58 Female / 47 Male
61% In-State/ 39% Out-of-State
38 Undergrad Institutions
20 MedEx Graduates
Average GPA: 3.72
Average MCAT: 509 (75%)

65% \geq 1
diversity
dimension

- Rural Background
- Race/Ethnicity
- Low Socioeconomic Status
- 1st Gen College Students
- ESL
- 2nd Career

Increasing Diversity: Black, Hispanic/LatinX, & Native American Students

	Class of 2026	Class of 2025	Class of 2024	Class of 2023
Total URiM Students	28	28	26	15

2022 AAMC Report

Among SC Public Medical Schools

USCSOMG Largest % of URiM Students

97 URiM students/432 = 22.5%

Step 1

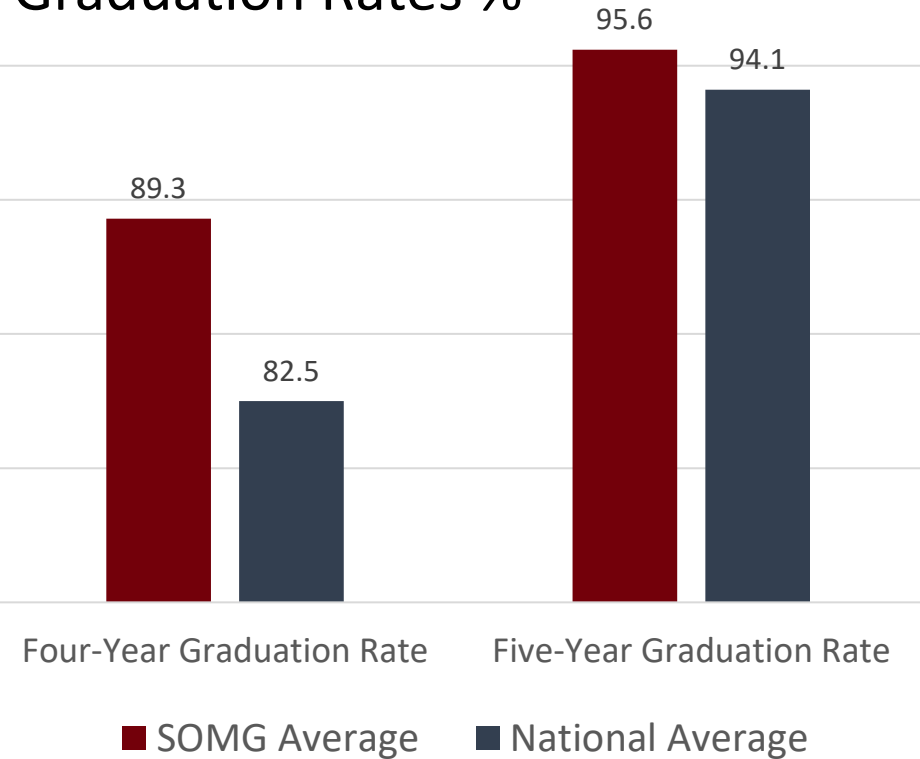
SOMG National
95% 93% (est)

Step 2

SOMG National
99%. Not avail

AY2022-2023

Graduation Rates %



Residency Match

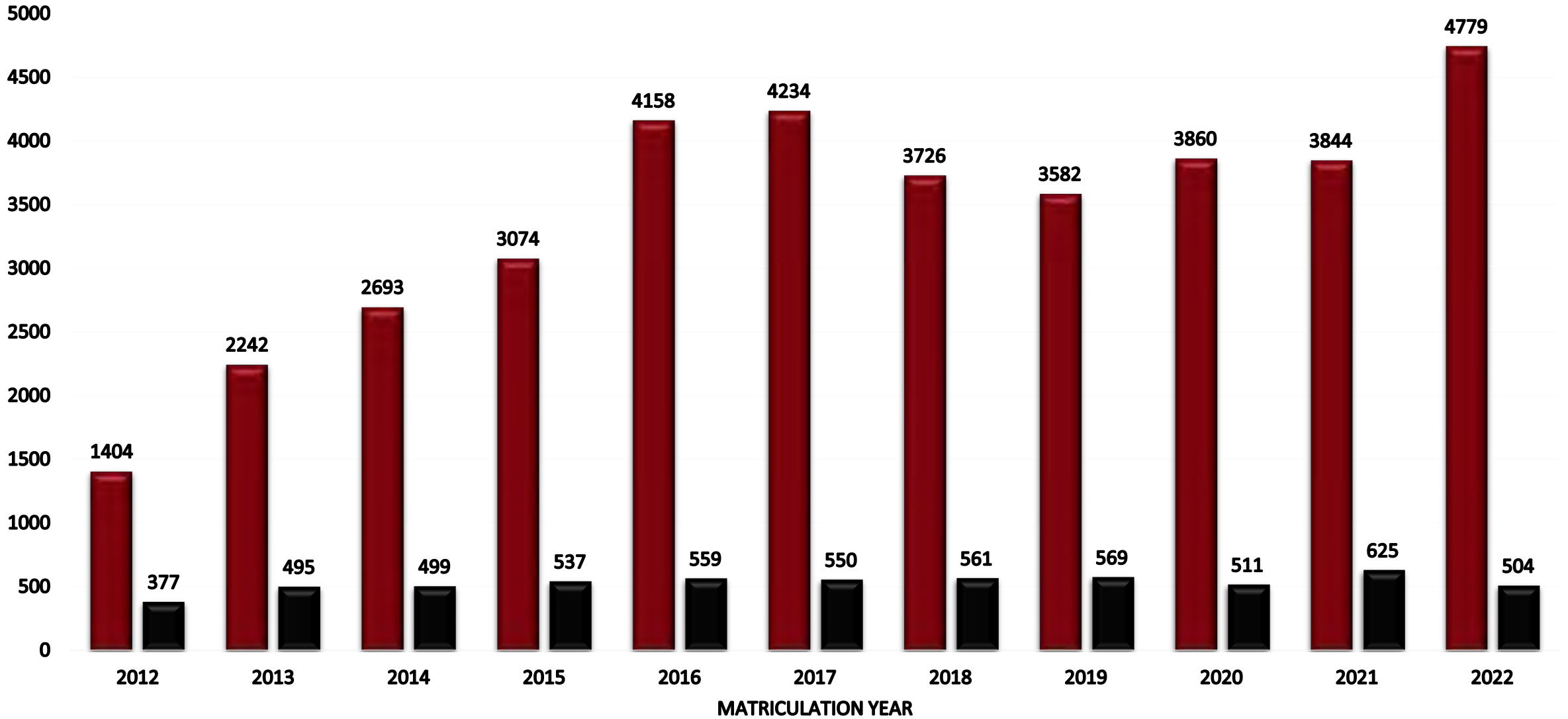
Year	Residency Placement Rate
2016	100%
2017	100%
2018	100%
2019	100%
2020	99%
2021	99%
2022	97%

Student Debt

The Class of 2022's average debt of **\$168,009** is below the national average of **\$203,062**

**CRITICAL SHORTAGE OF SOUTH CAROLINA (In-State)
STUDENTS IN THE PIPELINE THAT ARE READY TO
ENTER MEDICAL SCHOOL**

Total Number of Applicants



■ Total Applicants (Verified) ■ South Carolina Resident Applicants

SC Resident Applicants Who Progress to Interview

Year	Total Applications	SC Applicants	SC Applicants who completed supplemental application	SC Applicants with complete applications who are offered an interview
2020	3883	511	404	207 (51.2%)
2021	3881	625	527	281 (53.3%)
2022	4977	504	414	205 (49.5%)

Pre-Matriculation Education (PreMEd) Partners Pathway (P3) Program



Partnering Institutions



Benedict College

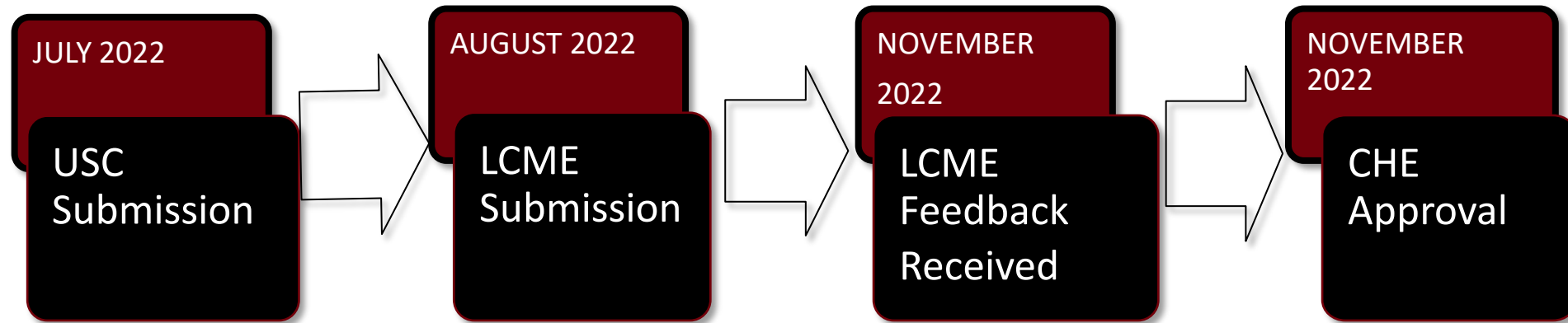


INNOVATION: **EDUCATIONAL PROGRAMS**

CURRICULAR REFRESH

- Innovating Curriculum to remain a leader among medical schools
- M1 refresh integration begins **2023-2024**
- Incorporated flexibility so students who choose can have extended Step 1 study, research time, or move into clinical immersion
- Increased active learning
- Increasing business of medicine content

Primary Care Accelerated Tract Approval

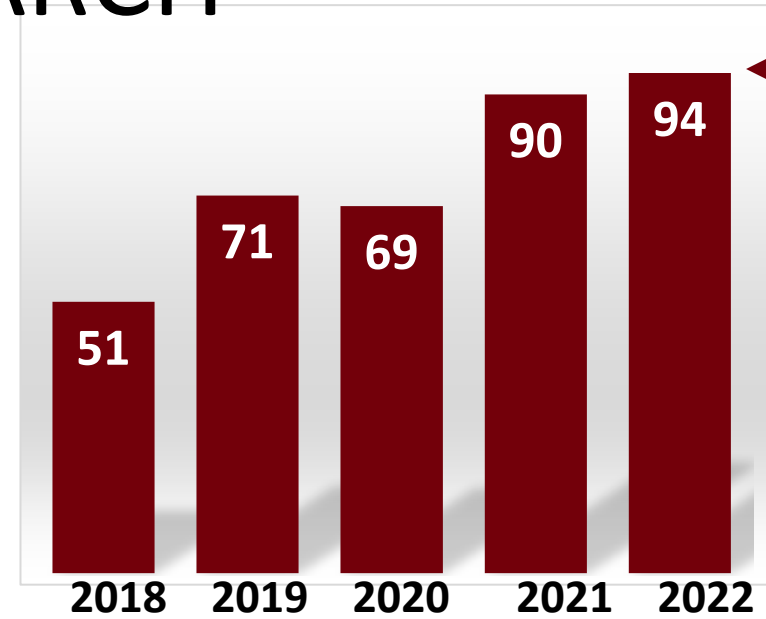


**PCAT Students Matriculate
July 2024**

RESEARCH

STUDENTS AND FACULTY

STUDENT SUMMER RESEARCH



95% of eligible rising M2's participated in summer research

Year	2020	2021	2022
Number of Students Receiving Summer Research Stipend	9	19	44

NIH R25 GRANT:

'Promoting Diversity In Research Training and Mentoring for Underrepresented Minority Students'. \$1.8M/5 years

Achievements: YEAR 1 & YEAR 2

- 7 students resulting in 24 abstracts and presentations, 6 peer reviewed manuscripts, and 1 national student award
- 20 students among 9 universities resulting in 16 abstracts and presentations and 9 peer reviewed manuscripts

Aims & Goals YEAR 3

- Summer program and career/professional advising for URiM students
- Newly established partnerships with SC colleges and universities
- Robust programs for returning NIH R25 scholars

NATIONAL RECOGNITION: EDUCATION AND TECHNOLOGY

Lifestyle Medicine

AY21/22 GRANT FUNDING: \$1.2M

Duke Endowment

American College of Lifestyle Medicine

National Institutes of Health

WHITE HOUSE CONFERENCE HUNGER NUTRITION AND HEALTH

SOMG committed

\$4.8M in-kind

with its one-of-a-kind open-sourced
web-based LMed educational resources





Apple Distinguished School 2022-2025

Meeting Our Students

Where They Are

through

Transformative Learning

Innovative of teaching and learning is an integral part of our cutting-edge curriculum, and technology is at the forefront.

SimCenter Training

- Butterfly iQ ultrasound probe used with iPad in Sim Center for ultrasound training.
- Deployed to Emergency Departments and MD360 locations throughout Prisma Health.

Technology Tools

- All faculty/staff/students receive Apple devices.
- All Apple products come with AppleCare+
- Faculty/staff receive a MacBook Air and iPad with Smart Keyboard
- Students receive an iPad
- Meeting and learning spaces equipped with AirPlay for wireless presenting

Impact

Increased mobility and flexibility to support on-campus and remote teaching/learning.



**Uof
SC** School of Medicine
Greenville

CELEBRATING OUR PAST

Economic Impact Report

Darla Moore School of Business

Lead Consultant: Jeff VaNessen

Estimated Student
Spending



Faculty & Staff
Payroll



Operating Costs Effects



Visitor & Event
Spending



Student & Faculty
Volunteer Hours
(28,800 hours/year)

\$450 MILLION

Estimated Contribution After First Decade



**Uof
SC** School of Medicine
Greenville

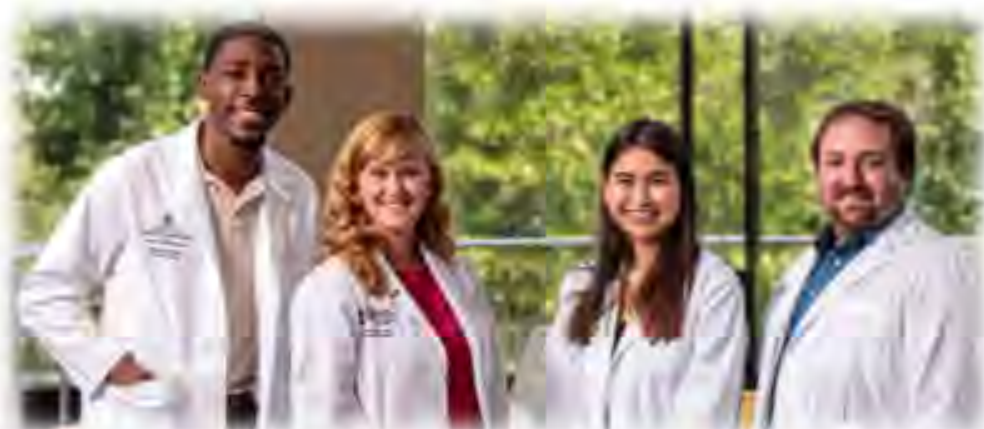
FOCUS ON THE FUTURE

Next Decade Initiative



Our next decade initiative comes as we celebrate our first decade and enter into the next.

This initiative will raise funds to help support the School of Medicine Greenville, scholarships, programs, and research. We look forward to engaging our community as we strive to transform medicine one doctor at a time.



Focus on the Future

Challenges



DIVERSITY

- Increase diversity of students, faculty, and staff
- Recruiting (6) Biomedical Science faculty & OSA Assoc Dean

RESEARCH

- Invest in Focused Research Programs (Cancer, CV/Stroke, Health Disparities)
- Recruit SmartState Chair Cancer Disparities
- Increase Research Collaborations with USC Health Sciences School and Colleges

STUDENT AFFAIRS AND MEDICAL EDUCATION

- Increase class size 125/year (2024-2027)
- Launch PCAT Program
- Complete Curriculum Refresh

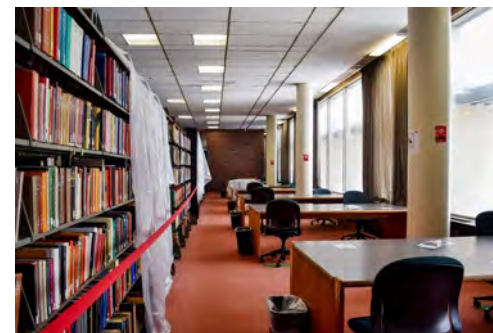
DEVELOPMENT FOCUS AREAS

- Scholarship Funds
- Housing Scholarships
- Endowed Research Chairs



Faculty/Staff
Administrative
Space

Research Funds
&
Infrastructure



Student
Study
Space

FINANCIALS

APPROVED FY2023 BUDGET

Projected vs Actual Annual Budget (2021-2025)

	<u>Actual FY 2021</u>	<u>Projected FY 2022</u>	<u>Budget FY2023</u>	<u>Projected FY2024</u>	<u>Projected FY2025</u>
Revenues:					
Tuition and Fees	\$ 20,891,581	\$ 20,246,607	\$ 20,254,894	\$ 20,254,894	\$ 20,254,894
State Appropriations	-	-	-	-	-
Grants, Contracts, and Gifts	20,994,263	12,250,850	4,927,553	4,940,089	4,940,089
Sales, Service, and Other Revenues	<u>364,092</u>	<u>440,007</u>	<u>279,242</u>	<u>279,242</u>	<u>279,242</u>
Total Revenues	\$ 42,249,936	\$ 32,937,464	\$ 25,461,689	\$ 25,474,225	\$ 25,474,225
Direct Expenses:					
Salaries, Wages, and Employee Benefits	\$ 9,375,435	\$ 9,861,930	\$ 11,572,341	\$ 11,860,506	\$ 12,208,086
Non-Personnel Expenses	<u>12,981,809</u>	<u>26,755,555</u>	<u>17,534,825</u>	<u>17,774,957</u>	<u>18,119,273</u>
Total Direct Expenses	\$ 22,357,244	\$ 36,617,485	\$ 29,107,166	\$ 29,635,463	\$ 30,327,359
Contras and Transfers:					
Contras and Recoveries	\$ (564,865)	\$ (393,658)	\$ (379,516)	\$ (387,106)	\$ (394,848)
Net Transfers	<u>(1,019)</u>	<u>25,845</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Contras and Transfers	\$ (565,884)	\$ (367,813)	\$ (379,516)	\$ (387,106)	\$ (394,848)
Net Margin (Change in Fund Balance)	<u>\$ 20,458,576</u>	<u>\$ (3,312,208)</u>	<u>\$ (3,265,961)</u>	<u>\$ (3,774,132)</u>	<u>\$ (4,458,286)</u>
Beginning Fund Balance	\$ 7,066,159	\$ 27,524,735	\$ 24,212,527	\$ 20,946,566	\$ 17,172,434
Ending Fund Balance	\$ 27,524,735	\$ 24,212,527	\$ 20,946,566	\$ 17,172,434	\$ 12,714,148

HMAC 111822 OS III

SCHOOL OF MEDICINE GREENVILLE

Marjorie R. Jenkins, MD MEdHP FACP
Dean, USC SOM Greenville

Health and Medical Affairs Committee
November 18 , 2022



UNIVERSITY OF
South Carolina

School of Medicine Greenville

APPLICATIONS
UPDATE

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65% \geq 1
 diversity
 dimension

Rural Background
 Race/Ethnicity
 Low Socioeconomic Status
 1st Gen College Students
 ESL
 2nd Career

Increasing Diversity	Class of 2026	Class of 2025	Class of 2024	Class of 2023	Total
URiM Students By Year	28	28	26	15	97 22.5%

Most Diverse Student Body Among SC Medical Schools

Step 1

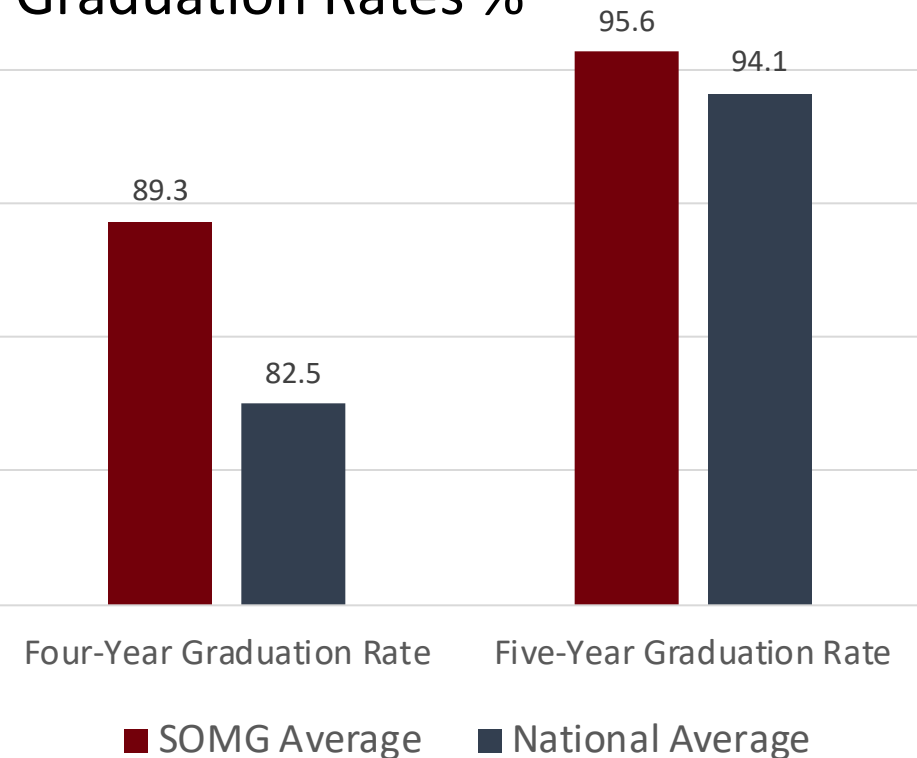
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AY2022-2023

Graduation Rates %



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Student Debt

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CURRICULAR REFRESH

- Review Curriculum Each Year
- Planning began in 2020 for a more extensive revision
- M1 refresh integration begins **2023-2024**
- Incorporated flexibility so students who choose can have extended Step 1 study, research time, or move into clinical immersion
- Increased active learning
- Increasing business of medicine content

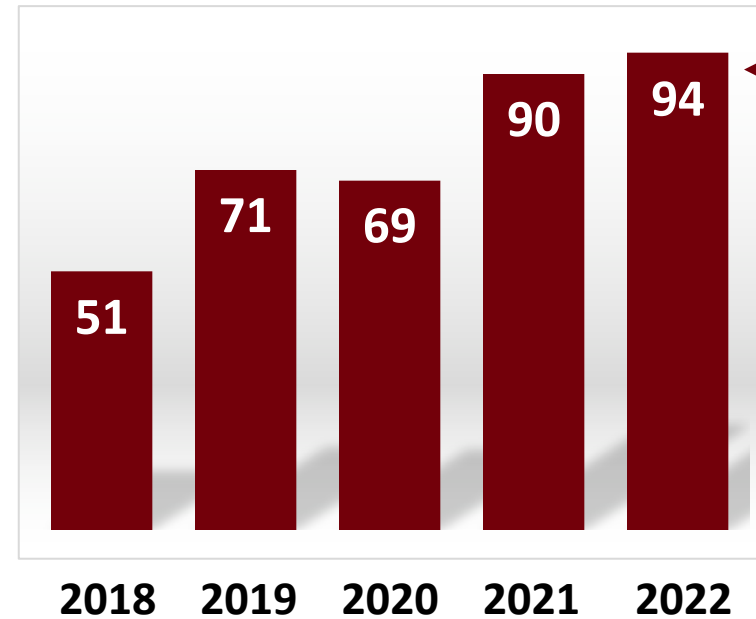
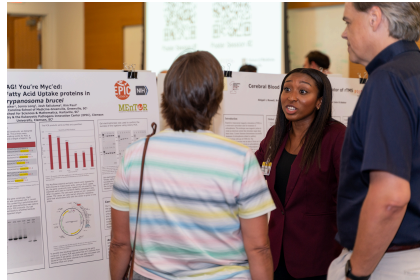


Primary Care Accelerated Tract Timeline



**PCAT Students Matriculate
July 2024**

STUDENT SUMMER RESEARCH



95% of eligible rising M2's participated in summer research

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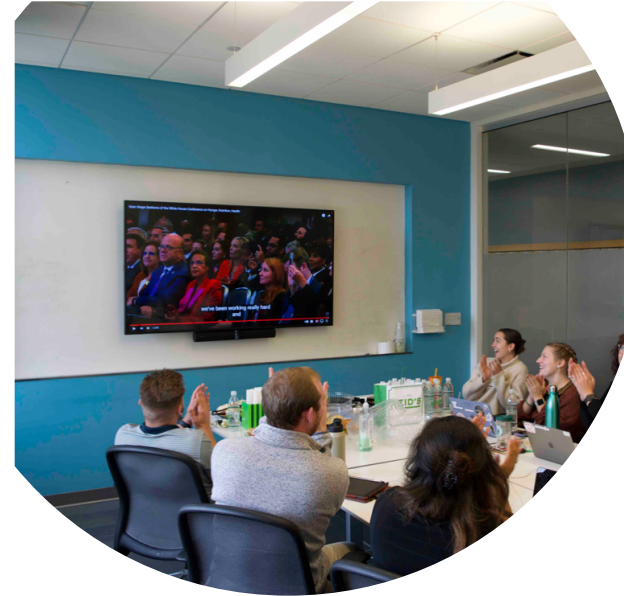
Lifestyle Medicine

2022 GRANT FUNDING: \$1.2M

Duke Endowment
American College of Lifestyle Medicine
National Institutes of Health R56

WHITE HOUSE CONFERENCE

SOMG committed
\$4.8M in-kind
with its one-of-a-kind open-sourced
web-based LMed educational resources



LMed
Lifestyle Medicine
EDUCATION

part in historic federal effort
healthier communities



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the White |
Hunger, N



WHITE HOUSE
CONFERENCE ON
**HUNGER,
NUTRITION,
& HEALTH**

SOMG 10-Year Economic Impact Report

Darla Moore School of Business Lead Faculty: Joey Von Nessen, PhD



Estimated
Student
Spending



Faculty & Staff
Payroll



Operating Costs
Effects



Visitor & Event
Spending



Student & Faculty
Volunteer Hours
(28,800 hours/year)

\$450 MILLION

Estimated Economic Contribution
Over the first Decade

Future Progress ← → Challenges

DIVERSITY

- Increase diversity of students, faculty, and staff
- Recruiting (6) Biomedical Science faculty & OSA Assoc Dean

RESEARCH

- Invest in Focused Research Programs (Cancer, CV/Stroke, Health Disparities)
- Recruit SmartState Chair Cancer Disparities
- Increase Research Collaborations with USC Health Sciences School and Colleges

STUDENT AFFAIRS AND MEDICAL EDUCATION

- Increase class size 125/year (2024-2027)
- Launch PCAT Program
- Complete Curriculum Refresh

DEVELOPMENT FOCUS AREAS

- Scholarship Funds
- Housing Scholarships
- Endowed Research Chairs



Faculty/Staff
Administrative
Space
Exhausted



Lack of
Research Funds
& Infrastructure



Affordable
Housing for
Students

SCHOOL OF MEDICINE COLUMBIA

Les Hall, MD
Dean, USC SOM Columbia

Health and Medical Affairs Committee
November 18 , 2022



CURRENT ENROLLMENT



399 Medical Students



288 Graduate Students

Medical Student Program – 100 students/year

- Entering First Year Class
 - Females – 55%; Males – 45%
 - 13% under-represented minorities
 - 6 first-generation college students
 - Average GPA 3.75; Average MCAT 508
 - 44% completed undergraduate education at USC
 - 7 students from the BARSC-MD Honors College program

Graduate Programs (# of students)

- Physician Assistant (54)
- Genetic Counseling (18)
- Rehab Counseling (45)
- Nurse Anesthesia (94)
- Biomedical Science, MS and PhD (77)
 - 69% of Biomedical Science students are female.
 - 26% are under-represented minorities.

EDUCATIONAL OUTCOMES



- 98% Med Student Residency Match Rate in 2022
- 100% of 2020 and 2021 SOMC med student grads in residencies.
- USMLE board exam first time pass rates remain above national averages.



- All clinical graduate programs have very high post-grad employment rates.
- PA Program board pass rate above national average

CONTINUOUSLY UPDATING OUR CURRICULUM



Carol Nichols, PhD

- Major improvements in med student curriculum 2018 - 2022
 - Earlier clinical exposure and integrated health system science focus
 - M1 Integrated Anatomy course; M2 curriculum reorganized into a series of organ-system blocks
 - 4 semester Application of Clinical Evidence course links basic & clinical science and evidence-based medicine.
 - Increased opportunities for research and service learning
- Ongoing innovation in our graduate program curricula
 - Nurse Anesthesia program transitioned to doctoral program.
 - Biomedical Certificate program elevated to a Masters of Biomedical Science, pre-professional track.
- All programs fully accredited for maximum length of time

CLINICAL PARTNERSHIPS

- As a leader in rural health, the SOM partners with **Prisma Health** to bring state-of-the-art subspecialty care to many SC rural areas. We promote training programs to improve birth outcomes and are engaged in joint leadership development programs.



SimCoach used in Birth Outcomes Training



Florence students supporting homeless shelter

- **Florence** (McLeod Health, MUSC Florence, Hope Health - By summer of 2024, we anticipate a total of 36-38 clinical students (M3s and M4s) on the Florence Campus.

- **Lexington Medical Center** is partnering with SOM to expand our health systems science curriculum for first year medical students.



RESEARCH AT SOM COLUMBIA



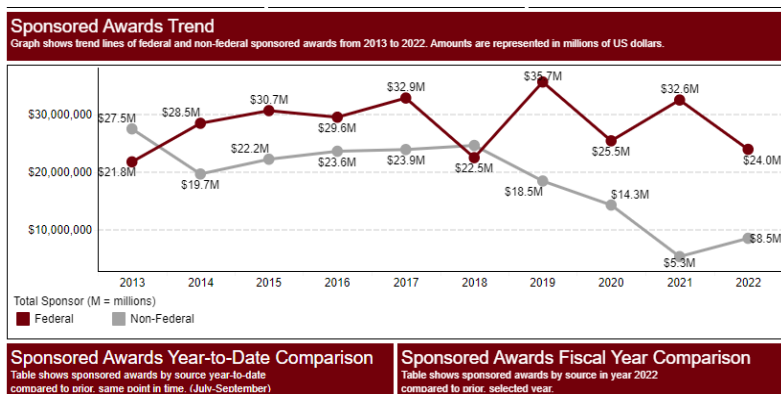
Clinton Webb, MD; CV Translational Research Center

- Areas of excellence in research
 - Cardiovascular disease
 - Neurosciences
 - Immune disorders & cancer
 - Infectious diseases
 - Health disparities & rural health

- New grant announcements since May 2022:
 - Co-PI with Pharmacy & Public Health on \$5.9M NCI grant – Colon cancer
 - \$1.8M NIH grant investigating age-related cognitive decline
 - \$1.9M NIH grant related to mitochondrial encephalopathy
 - \$2M+ five-year CDC infection prevention grant
 - \$2.8M Office of Refugee Resettlement grant to USC Survivor Clinic
 - New VA Merit award related to role of inflammation in PTSD

RESEARCH TRENDS - SOM COLUMBIA

- Total sponsored federal awards have averaged \$28M/year over the past five years.
- This data does not include most of the VA research funding secured by SOM investigators (research and infrastructure awards active in 2022 totaled \$8 million).



Source: USC Office of Research

- All but one tenured and tenure-track basic science faculty members currently have external research funding.

RESEARCH AT SOM COLUMBIA

- SOM Columbia ranks 2nd among USC colleges in research productivity per tenured/tenure-track faculty member¹. Research funding levels are strong among all academic ranks.
- SOM Columbia ranks 20th among public US medical schools in federal grant funding per faculty member².
- To counter recent losses in research faculty, we have adjusted compensation and are recruiting additional faculty members.



¹USC Office of Research data

²US News 2022 data

CLINICAL AND TRANSLATIONAL RESEARCH



- Research Center for Transforming Health established in 2017.
 - Assisted 97 PIs in grant preparations
 - Leads Emerging Physician Scientists Program
 - Oversees USC-Prisma Health Seed Grant Program in Midlands
- Significant opportunities to expand clinical and translational research exist, if infrastructure can be made more robust.
- Recently added biostatistician
- Prisma Health and USC adding data/analytical support

PLANNING FOR THE FUTURE



University of South Carolina

Columbia, SC

🏆 #1 in Most Graduates Practicing in Medically Underserved Areas

- USC SOM Columbia is refreshing its strategic plan over this academic year.
- Areas of ongoing/increased focus:
 - Additional curricular innovation
 - Growing health disparities research, translational research, and clinical trials
 - Continuing to focus on building diversity, equity, and an inclusive culture
 - Strengthening clinical partnerships
 - Planning for the new health sciences campus