

**FY 2021-22 Budget Hearing
SC House Ways and Means
Healthcare Subcommittee**
Presented by Dr. David J. Cole, President, MUSC
&
Dr. Patrick J. Cawley, CEO, MUSC Health and
VP for Health Affairs, MUSC

January 12, 2021



MUSC At a Glance



Education

- Six colleges: Dental Medicine, Graduate Studies, Health Professions, Medicine, Nursing, and Pharmacy
- 3,148 students (318 undergraduates)
- 818 residents (77 GME programs)
- 3-year MD program



Patient Care

- Nationally-recognized telehealth program (>350 telehealth sites)
- MUSC is the State's leader in >14 health care programs/centers
- State-of-the-art children's hospital serving all 46 counties in South Carolina and 50 states
- Statewide virtual urgent care platform



Research and Innovation

- Largest research institution in South Carolina (\$271.3 million in FY 2020)
- South Carolina's only NCI-designated cancer center
- South Carolina's only NIH funded Clinical and Translational Science Awards

Recognition

- MUSC Health University Medical Center (Charleston) was named No. 1 hospital in South Carolina by U.S. News & World Report for the sixth year in a row
- MUSC is nationally ranked (top 50) in 7 specialties by U.S. News & World Report
- MUSC selected (4th consecutive year) as one of 46 institutions of higher education to receive the 2020 Health Professions Excellence in Diversity Award from INSIGHT Into Diversity magazine, the oldest and largest diversity publication in higher education.
- MUSC ranked 3rd nationally for innovation impact among peer institutions according to the George W. Bush Center and Opus Faveo Innovation Development.

Impact

- \$5.6 billion statewide economic impact
- \$3.8 billion FY 2021 expenditure budget
- 17,000 employees across the state
- South Carolina's only comprehensive academic medical system
- Hospitals in Charleston, Marion, Chester, Lancaster, and Florence counties
- Constructing new Lake City/Williamsburg Hospital
- Over 1,600 beds

Reaching Out with Your Support

- Rural Health Expansion
- Regional Health Network
- Telehealth/SC Telehealth Alliance
- Healthy ME-Healthy SC (MUSC-Clemson)
- **COVID-19 Diagnostic Testing**



Update on Regional Health Network

MUSC Health Lancaster



MUSC Health Chester



MUSC Health Florence



MUSC Health Marion



Additions

MUSC Health Lake City / Williamsburg → opening January 2023

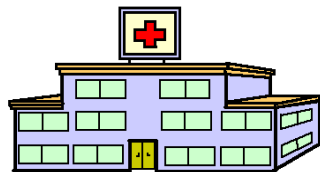
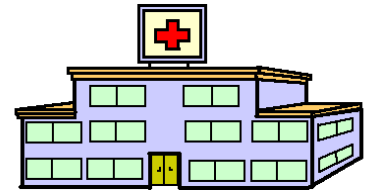


Hampton Regional Medical Center



Update on Lake City/Williamsburg Hospital

- Land donation secured
- Definitive Agreements secured & executed
- Certificate of Need - awarded & received
- Groundbreaking - January 5, 2021
- Next Steps:
 - Finalize Funding
 - Complete philanthropy / development plan
 - Design & Build - opening January 2023



New MUSC Hospital

Statewide Testing Update

- MUSC appreciates the Governor and the General Assembly entrusting us to perform COVID-19 statewide testing in at risk communities.
- As of January 4, 2021, MUSC has administered over 288,965 polymerase chain reaction (PCR) tests at the following sites/locations:
 - At Risk Sites 67,184
 - Fixed Sites 87,290
 - Department of Corrections 16,805
 - Remaining tests include affiliated facilities, inpatient/pre-op/nursing facilities; Back2Business; and partnerships with educational institutions around the state.
- In addition, MUSC has held 443 at risk testing events in 44 counties and efforts are underway to establish events in the remaining two counties.

MUSC Health

COVID-19 Vaccine Update

- Tuesday, December 15 - MUSC Health received Pfizer vaccine and began administration to internal group 1a eligible care team members
- Latest updates as of January 12
- Insights

Center for Telehealth Update



Telehealth Highlights

- South Carolina is projected to conduct close to **2 million telehealth interactions in 2020**, a close to **500% increase** from 2019, due in large part to telehealth usage amidst COVID.
- **MUSC virtual urgent care visits increased by more than 1200%** compared to last year, with over 150,000 visits completed in 2020. This growth is a result of offering **COVID screening statewide** via the platform at no cost, as well as extending **full usage of the platform to PEBA beneficiaries**.
- MUSC's designation by the Health Resources and Services Administration, an agency of the U.S. Department of Health and Human Services, as a **National Telehealth Center of Excellence** - a \$7.6 million dollar award to date - means MUSC is being called upon to shape and inform national telehealth policies.
- Under MUSC leadership, the **SC Telehealth Alliance (SCTA)** now includes close to **450 sites** and more than 40 state agencies and non-profits are engaged in its strategy.
- Telehealth remains a key component of MUSC's partnership with **Hampton Regional Medical Center**, which now has **live telestroke, tele-neurology, tele-hospitalist, tele-cardiology, and tele-infectious disease services**.

Telehealth Highlights – COVID

MUSC and its SCTA partners were well poised to quickly leverage telehealth as part of the state's COVID prevention and management response, thanks in large part to the state's investment in telehealth infrastructure over the years.

- The SCTA provided practices across the state with a premium video client at no cost for telehealth usage. Close to **1,400 SCTA accounts** have been created on that platform, with nearly **80,000 unique telehealth sessions** being logged.
- SCTA partners across the state transitioned many of their ambulatory operations to telehealth to ensure patients received care while maintaining social distancing.
- MUSC opened its virtual urgent care (VUC) platform statewide at no cost for **screening and triage for COVID testing**. Since March, MUSC conducts on average of over **13,000 VUC visits/month**.
- MUSC's **remote patient monitoring program for COVID + patients** has enrolled **1,278 patients** to date, allowing providers to track disease progression and intervene as needed among home bound patients.
- MUSC and other SCTA partners repurposed existing telehealth equipment for use inpatient and ED use with COVID+ patients, **decreasing PPE usage and limiting health care worker exposure**. Estimated **\$140K PPE savings** in first 6-months of COVID.

Appropriations History

	FY 2018-19	FY 2019-20	FY 2020-21
Recurring	\$75,833,525	\$86,254,975	\$86,254,975
Non-recurring/Capital	3,500,000	12,000,000	0
Other Funds	34,480	252,734	37,024
Federal Funds	0	0	*0
Total	\$79,368,005	\$98,507,709	\$86,291,999

*Does not include one-time CARES Act funds.

Recurring Budget Requests

Request	Amount Requested	Description of Request
1. Tuition Mitigation	\$5,175,299	<ul style="list-style-type: none"> Fund cost of instruction programs without increasing in-state tuition Enhance access and affordability for in-state students
2. Statewide Teaching Partnerships	\$6,500,000	<ul style="list-style-type: none"> Further develop and maintain statewide teaching partners across South Carolina Focus on affiliate hospitals across the state
3. Building Renovations	\$5,000,000	<ul style="list-style-type: none"> Expand College of Medicine student support space to comply with accreditation mandates and provide needed classroom and instructional space Renovate College of Pharmacy to provide state-of-the-art academic and student support space
4. Cybersecurity	\$5,000,000	<ul style="list-style-type: none"> Improve cybersecurity infrastructure and monitoring capabilities for clinical systems, applications, and biomedical devices Improve cybersecurity infrastructure and monitoring capabilities for academic and research systems and applications for enhanced teaching, learning, student success, and research outcomes Improve cybersecurity capabilities and processes for cyber threats and vulnerabilities management, security monitoring, and incident management

Non-recurring Budget Requests

- No non-recurring budget requests.

Capital Requests

Request	Amount Requested	Description of Request
1. Capital Renewal Projects	\$50,000,000	<ul style="list-style-type: none"> To maintain critical systems (mechanical, electrical, plumbing, facade, roofs, conveyance and building envelope)
2. Campus Connectivity	\$20,000,000	<ul style="list-style-type: none"> The proposed pedestrian bridge connectors from Ashley River Tower over Courtenay Drive to the Bioengineering Building and from the Clinical Science Building to the College of Nursing/Public Safety buildings will provide ease of access to facilities on campus during flooding; avoid duplicate staffing during storms, provide a safer option for pedestrian traffic, and improve overall safety for our patients, students, and staff.
3. Innovative Health Education Projects	\$40,000,000	<ul style="list-style-type: none"> Reconfigure and repurpose education space to meet 21st century needs for faculty, residents, and students. Connect and consolidate student services currently distributed across campus to provide more integrated and efficient education services. Establish and expand our education space and distance learning programs within our regional health system facilities.
4. Renovation Projects	\$15,000,000	<ul style="list-style-type: none"> Renovate and backfill existing University space to ensure alignment of academic and clinical missions.
5. Basic Science Building Air Handler Unit	\$5,000,000	<ul style="list-style-type: none"> Replace air handling unit original to the building constructed in the early 1970s.

Other Fund Request

Request	Amount	Revenue Source	Description
Other Fund Request	\$23,666,327	Clinical revenue, private gifts, and grants	<ul style="list-style-type: none">• Projected increase in clinical operation to support the growth of medical and surgical services resulting from the Shawn Jenkins Children's Hospital and Pearl Tourville Women's Pavilion• Expansion of development donor and gift programs• Growth in college revenues due to increased enrollment and program growth

Federal Fund Request

Request	Amount	Revenue Source	Description
Federal Fund Request	\$10,000,000	Grants	<ul style="list-style-type: none">• Projected growth in research programs to include Clinical and Translational Science Awards (CTSA) grant and crime victims grant• Support sustainability in the growth of research programs

FTE Requests

Request	Requested	Description of Request
Additional Positions (FY 2020-21 Resubmission)	123 Other FTEs/zero funds requested	<ul style="list-style-type: none"> Hiring needs for the continued expansion of programs, including the Shawn Jenkins Children's Hospital and Pearl Tourville Women's Pavilion New and/or expanding clinical programs and research initiatives
Additional Positions	75 Other FTEs/zero funds requested	<ul style="list-style-type: none"> Support growth of medical and surgical services across the clinical enterprise due to opening of new outreach facilities, increased demand for telehealth activities and implementation of new clinical services Support growth of research programs across the Colleges and institution in areas including healthy aging, cancer, digestive disease, microbiology and immunology, and neuroscience

Current Provisos: Section 23

Keep: 23.1. (MUSC: Rural Dentist Program) The Rural Dentist Program, in coordination with the Department of Health and Environmental Control's Public Health Dentistry Program, is established at the Medical University of South Carolina. The funds appropriated to the Medical University of South Carolina for the Rural Dentist Program shall be administered by the South Carolina Area Health Education Consortium physician recruitment office. The costs associated with administering this program are to be paid from the funds appropriated to the Rural Dentist Program and shall not exceed four percent of the appropriation. The Medical University of South Carolina is responsible for the fiscal management of funds to ensure that state policies and guidelines are adhered to. MUSC shall be permitted to carry forward unspent general funds appropriated to the Rural Dentist Program provided that these funds be expended for the program for which they were originally designated. A board is created to manage and allocate these funds to insure the location of licensed dentists in rural areas of South Carolina and on the faculty of the College of Dental Medicine at MUSC. The board will be composed of the following: the Dean, or his designee, of the MUSC College of Dental Medicine; three members from the South Carolina Dental Education Foundation Board who represent rural areas; and the President, or his designee, of the South Carolina Dental Association. The Director of DHEC's Office of Primary Care; the Director or his designee of the Department of Health and Human Services; and the Executive Director of the South Carolina Dental Association shall serve as ex officio members without vote. This board shall serve without compensation.

Keep: 23.2. (MUSC: Rural Access Plan) The MUSC Hospital Authority, in conjunction with the Department of Health and Human Services, shall study how to partner with existing rural hospitals and other entities to ensure that these regions maintain access to medical care. The MUSC Hospital Authority shall submit a report to the Chairman of the Senate Finance Committee and the Chairman of the House Ways and Means Committee detailing efforts to maintain medical care at rural hospitals no later than the end of the fiscal year.

New Proviso Requests

Higher Education Facilities Repair and Renovation Fund: Add

For the current fiscal year, there is established the Higher Education Facilities Repair and Renovation Fund to be administered by the Commission on Higher Education pursuant to the requirements of this provision. On or before October thirty-first of the current fiscal year, of the funds appropriated to the Higher Education Facilities Repair and Renovation Fund, the Commission shall transfer twenty percent to the State Board for Technical and Comprehensive Education for distribution among the State's public technical colleges in a manner the board adopts and the remaining eighty percent must be distributed by the Commission to each of the state's remaining public research universities, comprehensive and two-year branch campuses of the University of South Carolina based on a formula developed by the Commission's Finance and Facilities Committee in cooperation with the Council of Presidents. At minimum, the Committee and Council's formula shall take into consideration an institution's total number of buildings by type, size (as measured by square footage) and age compared to the total number of buildings by type, size (as measured by square footage) and age among all public research universities, comprehensive and two-year branch campuses of the University of South Carolina.

The funds shall only be expended for necessary renovation, repair, and related maintenance, and other critical equipment and system repair and maintenance that are necessary for the safe and efficient operation of the institution's physical plant in its support of the institution's educational purpose. Funds shall not be used for new construction.

Permanent Improvement Project (PIP) Thresholds: Add

For the current fiscal year, permanent improvement projects as defined in Title 2, Chapter 47 of the Code of Laws where the cost is at least one million dollars but no greater than five million dollars for public research universities and not greater than two million dollars for all other public institutions of higher learning are exempt from the requirements of Section 2-47-50 except that a project shall not be considered approved without an institution's governing board having first voted to approve the project in public session. Institutions shall provide a report of projects approved by their governing boards pursuant to this provision to the Chairmen of the Commission on Higher Education, the Joint Bond Review Committee, and the State Fiscal Accountability Authority by September thirtieth of the current fiscal year.