



Medical University of South Carolina and Medical University Hospital Authority Board of Trustees Annual President's Report

August 2023





- The Medical University of South Carolina (MUSC) received The INSIGHT Into Diversity Higher Education Excellence in Diversity (HEED) Award for the sixth consecutive year. The HEED Award recognizes colleges and universities that demonstrate an outstanding commitment to diversity and inclusion. MUSC has also been recognized as a Diversity Champion for the fifth consecutive year.
- The Zucker Institute for Innovation Commercialization formally launched as MUSC's technology transfer office. The Zucker Institute represents the re-organization of the MUSC Foundation for Research Development and the Zucker Institute for Applied Neurosciences into a single, more powerful commercialization engine supporting MUSC.
- Faculty from MUSC Libraries and NNLM RML Region 2 are planning and leading the Southern Chapter of the Medical Library Association (SC/MLA) Annual Meeting in Montgomery, Alabama, from October 19-22, 2022.
- A joint MUSC-Medtronic partnership program aimed at improving access to care and technology for diabetic patients has been launched as a pilot in primary care. The program provides training to primary care providers on managing diabetes using continuous glucose monitoring technology, traditionally managed by an endocrinologist. This program increases access to technology for diabetic patients and helps identify social determinants of health that may impact patient outcomes.
- MUSC achieved ACGME accreditation for a new Sponsoring Institution: MUSC Regional Network. This accreditation allows MUSC to establish new GME residency programs at the Regional Health Network and clinical affiliates. Tsveti Markova, M.D., FAAFP, will serve as the Designated Institutional Official.
- The Darla Moore Foundation has awarded a \$1.5M gift towards planning primary care GME programs at MUSC Health Florence Medical Center to improve the physician pipeline in the Pee Dee area. MUSC Health is matching the gift.
- The MUSC Office of Institutional Advancement won a "Best of District III" Council for Advancement and Support of Education Award for raising more than \$7.4M for the Department of Equity and Inclusion (DEI) initiatives, programs, and scholarships.
- As part of the strategic partnership, MUSC Health, and Siemens Healthineers partnered in transformative remote scanning MRI service. In late October 2022, MUSC began the statewide implementation of Siemens Healthineers' syngo Virtual Cockpit remote scanning assistance software, starting with MUSC Columbia Medical Center Northeast, in the Midlands market. The syngo Virtual Cockpit is a software solution designed to assist scan procedures for patients from a distance, eliminating the need to travel greater lengths for health care. MUSC Health is the first in the state to introduce this new technology.
- MUSC, Charleston County School District (CCSD), and Trident Technical College (TTC) announced a partnership that will expand opportunities for Charleston area students to explore and become certified in health sciences careers. The pathways program will start at Burke High School in the fall of 2023. This new partnership creates career readiness pathways for roles in health care, including but not limited to phlebotomists and certified nursing assistants, registered nurses, and physicians.



- General Catalyst partnered with MUSC, MetroHealth, Banner Health, and six others on digital innovation. General Catalyst is partnering with nine more hospitals and health systems as the venture capital firm aims to drive health care's digital transformation. The organizations span 43 states and include academic, children's, for-profit and nonprofit institutions that make up about 12% of U.S. health care revenue and 13% of the country's hospital beds. The partnerships could yield new companies, joint investments, further development of existing technologies at the health systems, or partnerships with General Catalyst's digital health portfolio companies.
- Quai.MD and MUSC Health agreed to a strategic licensing deal to turn static clinical protocols into an AI-enhanced 'clinical GPS' for physicians. This agreement is intended to significantly improve physician productivity, patient outcomes, and hospital billing efficiency by highlighting and tracking possible clinical pathways and the diagnostic decisions of patients.
- The winners of the MUSC President's 2022 Values in Action (VIA) Award are listed below by the value in which they were recognized:
 - Compassion: Tenelle O. Jones, LMFT, LAC, Department of Psychiatry and Behavioral Sciences
 - Respect: Keith Smalls, Department of Surgery
 - Respect: Donnimechia "Donnie" Singleton, Department of Surgery
 - Respect: Tatiana M. Davidson, Ph.D., Nursing and Psychiatry
 - Innovation: Emma C. Vought, MS, CMI, PCM, CDMP, Office of Communications and Marketing
 - Collaboration: Shanta Salzer, CCRP, Hollings Cancer Center Clinical Trials Office
 - Integrity: Virginia "Rene" Cooke, BSN, RN, CNOR, CST, CRCST, CHL, OR/CSPD
- Russell "Chip" Norris, Ph.D., Department of Regenerative Medicine and Cell Biology, received the President's Impact Award for his tremendous, enterprise-wide contributions, and for elevating his field of research nationally. This award recognizes an individual whose work has risen to the level of having an impact beyond our institution in the community, state, or nation.
- David J. Cole, M.D., FACS, MUSC President, was honored as a 2022 Hall of Fame member of the Charleston 50 Most Influential by Charleston Business Magazine, which recently celebrated these outstanding men and women in the Charleston community.
- Cathie Cannon joined MUSC on February 10, 2023, as the Chief Communications and Marketing Officer.
- Todd Headley joined MUSC on February 27, 2023, as the Chief Executive Officer of the Zucker Institute for Innovation Commercialization, the combined group formerly known as MUSC Foundation for Research Development and Zucker Institute for Applied Neurosciences.
- MUSC was named as one of three founding partners (along with the South Carolina Research Authority and the South Carolina Department of Commerce) of the inaugural Governor-proclaimed South Carolina Innovation Month taking place in April. The month is a celebration of the technology and innovation ecosystem in South Carolina.



- SCBio, a statewide organization dedicated to building the business of life sciences in South Carolina, awarded the 2023 South Carolina Life Sciences Rising Star Award to Caroline Brown, MBA, MUSC Chief Strategy and External Affairs Officer. This award highlights up-and-coming innovators and leaders under 40 who contribute to the advancement and transformation of life sciences in South Carolina.
- Patrick J. Cawley, M.D., MBA, CEO of MUSC Health and Executive Vice President for Clinical Operations for the University, is one of six health system CEOs globally chosen to lead the Epic CEO council. This council allows CEOs to connect, exchange perspectives, influence Epic's strategy, and tackle some of the health care industry's biggest challenges. He was also recognized for the second consecutive year as one of Charleston's 50 Most Influential by Charleston Business Magazine.
- Crystal Broj, MUSC's inaugural Chief Digital Transformation Officer, has been invited to serve on the national advisory council for one of our digital transformation partners, Notable. The commission is comprised of a handful of health care executives who will work together to share best practices for Artificial Intelligence, EHR optimization, data interoperability, and more.
- MUSC Hollings Cancer Center (HCC) launched a webpage celebrating its 30th anniversary this year. The webpage, at <https://hollingscancercenter.musc.edu/about/30th-anniversary>, notes some of the center's milestones over the past 30 years.
- On April 3, 2023, MUSC was named a founding partner in a proclamation signed by Governor Henry McMaster designating April as South Carolina Innovation Month.
- MUSC hosted its fifth annual Innovation Week in April, with 185 teams of employees from across the Charleston, Pee Dee, Lancaster, and Midlands divisions presenting innovation projects.
- The Zucker Institute for Innovation Commercialization executed two exclusive license agreements, including one for an EEG teaching tool created by Andrew Todd Ham, R. EEG T., NA-CLTM, FASET, B.S., and one for stem cell-related work created by Gary S. Gilkeson, M.D.
- An Economic Impact of MUSC-Related Entrepreneurship Survey was conducted by the OI in collaboration with the Zucker Institute for Innovation Commercialization. In the last five years, companies founded on MUSC IP have raised >\$85M and created 85 new jobs, highlighting the critical role that MUSC plays in growing South Carolina's knowledge economy.
- The Innovatively Speaking™ podcast, a joint project of the Office of Innovation (OI) and the Office of Communications & Marketing, was awarded a Gold Quill Award of Merit from the International Association of Business Communicators.
- MUSC successfully implemented Workday in October 2022 and is stabilizing this new enterprise-wide solution across the Finance, Payroll, Human Capital Management, and Supply Chain environments to serve MUSC better. We will be able to decommission more than fifty-three legacy systems by moving to WorkDay.
- A new Chief Engineering and Facilities Officer, David Attard, was hired this year to lead the newly organized enterprise Engineering and Facilities Department.



- College of Health Professions (COHP) and College of Medicine (COM) Capital projects now have Board of Trustees (BOT) and Phase 2 final approvals from the South Carolina Joint Bond Review Committee (SC JBRC) and State Fiscal Accountability Authority.
- MUSC's purchase of 13 properties from the MUSC Foundation has been approved by the BOT and received Phase 1 approval from the South Carolina Joint Bond Review Committee (SC JBRC) and State Fiscal Accountability Authority (SFAA). Final Phase 2 approval is expected in October 2023.
- MUHA and MUSCP will complete the purchase and pay off the debt of Rutledge Tower from the MUSC Foundation by August 2023.
- The Office of Institutional Advancement (OIA) raised a record \$83.89M and received 17,947 gifts in FY23, compared to 15,354 in FY22 (a 17% increase).
- The Duke Endowment (TDE) supported seven different projects and committed nearly \$4.3M in the most recent giving cycle, which is the most projects TDE has funded in a single cycle.
- Successful enterprise resource planning software (Ourday) went live in October. There is still a significant amount of ongoing work associated with this mammoth transition. This allowed the elimination of 56 legacy systems and better software capability moving into the future.

ACADEMICS: EDUCATION



- The MUSC COM's Accelerated Medical Pathway program was extended to Claflin University. This program allows students to meet graduation requirements in three years and enter a conditional residency position in one of nine participating residency programs at MUSC.
- In August 2022, the MUSC College of Dental Medicine (CODM) inaugurated the first off-the-peninsula oral health and dental clinic embedded in the MUSC West Ashley Medical Pavilion outpatient facility. Patients will be treated comprehensively with an emphasis on oral health and prevention.
- The Wellness Center has developed and will implement a Breast Cancer Survivor Expo on October 9, 2022, for 100 attendees in collaboration with ten outside partners. New equipment, upgrades, and an upcoming pool renovation project are recent and planned improvements. Adding a full-time marketing employee, who started on October 3, 2022, will improve the visibility and image of the Wellness Center.
- The COHP received accreditation for the Master of Science in Genetic Counseling Program from the Accreditation Council for Genetic Counseling (ACGC). The first cohort of students will start in the fall of 2023.
- The COHP received Phase II approval to proceed with the full design and construction of an additional CHP building on President Street. The new building has expected completion in spring 2025.
- MUSC Student Government Association successfully hosted one of its largest interprofessional networking events hosting 800 students at the South Carolina Aquarium on November 4, 2022.
- On October 8, 2022, the Wellness Center and HCC hosted the first MUSC Annual Breast Cancer Survivors Expo. More than 100 cancer survivors, family, and friends attended, and 18 vendors participated. Additionally, the MUSC Wellness Center participated in the annual Parkinson's Symposium on October 29, 2022.
- Mary McGraw Smith, MT, Director of Instructional Technology, and Julia Rowland, M.Ed., Instructional Designer and Training Specialist, were selected as 2022-2023 Microsoft Innovative Educator Experts. The Microsoft Innovative Educator Expert recognizes global educator visionaries using technology to pave the way for better learning and student outcomes.
- The newly renovated Colbert Library recently opened. This space offers state-of-the-art technology, including several collaborative learning spaces where students can work in groups at one of the multiple computers in the room and directly share the group findings on a 55" monitor. Damon Amella, Director of Classroom Technology, and his team enabled this opening.
- Swathi Varanasi, PharmD, Class of 2019, was recognized as one of the 50 Most Influential Leaders in Pharmacy Award by the Pharmacy Podcast Network (PPN).
- The CON's annualized National Council Licensure Examination [for] Registered Nurses (NCLEX-RN) exam first time pass rate was 98.97% for 2022. The South Carolina overall first-time pass rate was 87.13%, and the National overall first-time pass rate was 79.91%.

ACADEMICS: EDUCATION



- The National Center for Interprofessional Practice and Education recently selected Mary Mauldin, Ed.D., Professor Emerita, and former MUSC Executive Director of the Office of Instructional Technology and Faculty Resources (ITFR), as one of two inaugural Nexus Distinguished Scholars.
- The MUSC CON American Nurses Credentialing Center First-Time Certification Pass rate was 100% for 2022 Psychiatric Mental Health Nurse Practitioners and Family Nurse Practitioners graduates.
- The MUSC COM, MPH Generalist program was approved by the South Carolina Commission on Higher Education. This new program, housed within our Department of Public Health Sciences, is slated to begin this fall, 2023.
- The MUSC COM had a successful residency match on March 17, 2023. The overall match rate pre-SOAP (The Supplemental Offer and Acceptance Program) was 92.5%, just below the national average of 93.7%. Following SOAP, 99% of the 158 graduating students of the Class of 2023 secured a residency position.

Of the training specialties students will be pursuing, Categorical Internal Medicine led the way with the highest number of students at twenty-one (13.3% of the graduating class). Other popular specialties included Pediatrics (9.5%), Family Medicine (8.9%), Diagnostic Radiology (7.6%), and Anesthesiology (7%).

A total of fifty-six (35.4%) students will remain in South Carolina to complete their residency training, with forty-four of these students are staying here at MUSC. 39.2% of the class will enter primary care (including Internal Medicine, Family Medicine, Pediatrics, Medicine-Pediatrics, Obstetrics, and Gynecology).

MUSC COM Graduating Students Entering Primary Care Specialties **% of Graduating Students Remaining in SC for Residency Training (any specialty)**

Year	Internal Medicine	Pediatrics	Medicine-Pediatrics	Family Medicine	Obstetrics and Gynecology	Total	
2019	12%	11.4%	1.8%	8.4%	6.6%	40.2%	33%
2020	15.1%	10.8%	1.2%	12.0%	4.8%	43.9%	30%
2021	18.6%	8.5%	1.7%	12.4%	2.3%	43.5%	33%
2022	16.6%	12%	1.3%	11.3%	7.3%	48.5%	27%
2023	13.3%	9.5%	2.5%	8.9%	5.1%	39.2%	35%

Students were also matched to programs in other competitive subspecialties: Emergency Medicine (10), General Surgery (8), Obstetrics and Gynecology (8), Orthopedic Surgery (8), Pathology (5), Medicine-Pediatrics (4), Ophthalmology (4), Dermatology (3), Otolaryngology (3), Psychiatry (3), Plastic Surgery (2), Interventional Radiology (2), Neurology (2), Physical Medicine and Rehabilitation (2), Urology (2), Medicine-Psychiatry (1), Radiation Oncology (1), and Thoracic Surgery (1).

The Class of 2023 included nine students who will enter military service, beginning their residencies at Walter Reed National Military Medical Center (4) in Bethesda, MD; Wright Patterson Air Force Base in Dayton, Ohio; Madigan Army Medical Center in McChord, WA; Nellis Air Force Base in Las Vegas, NV; Tripler Army Medical Center in Honolulu, HI; and Naval Hospital Camp Pendleton in Oceanside, CA.

ACADEMICS: EDUCATION



- Two of our MUSC third-year students, Ashley and Alexa Golbus, were accepted to the 2023-2024 class of the National Institutes of Health (NIH) Medical Research Scholars Program, a yearlong research immersion program for future clinician-scientists that advances health by inspiring careers in biomedical research. This is a highly competitive program for students from accredited medical, dental, or veterinary programs. Further information about the program is available [here](#). They will be our second and third students to participate in this program. Leah Cobb, a rising fourth year, is currently participating in the program at the NIH and was the first to do so from MUSC.
- On February 28, 2023, the MUSC COM celebrated the induction ceremony for the newest members of the Paul B. Underwood Chapter of the Gold Humanism Honor Society.

Class of 2024

Christopher Baltimore
Joshua Lee Cagle
Ariana "Savanah" Campbell
Jonathan Ferguson
Elizabeth T. Gammeltoft
Sonya Ketchens
Sam Light—AnMed
Molly Mead
Ryan Moore
Raj Patel
Wanya Pridgen
Ritchelli Quintao
Olivia Reszczyński
Peyton Russell - AnMed
Craig Salvador
Kayla Shine
Jalissa Suarez—AnMed
Kassidy Sullivan
Shelby Storm—AnMed
Michael Vinzani
Whitney Washington
Luke Wessler
Emma Wetmore
Benjamin Young

Class of 2025

Brogan Brown
Annie Cribb
Dan Combs
Johnathan Gillespie
Alex Humphreys
Douglas Jiminez
Chole Keeve
Madison Ladines
Abigail Mandel
Megan McDonald—AnMed
Wyatt McDonald—AnMed
Avery Ofoje
Mayank Kumar Patel
Carter Powell
Price Rainwater
Jasmine Richards
Louis Runge
Subina Saini
Angelica Walker

ACADEMICS: EDUCATION



- The MUSC Office of Student Engagement (OSE) hosted the sixth annual Discover MUSC on March 2 and 3, 2023. Discover MUSC introduces high school students to MUSC and exposes them to myriad career opportunities in health care. This engaging educational event involved over 547 students and 49 chaperones from 22 schools in Charleston, Berkeley, and Dorchester County. The OSE also hosted its inaugural Envision Day on Friday, March 24, 2023, a day-long immersive campus visit experience for undergraduate students interested in health care. Attendees at Envision Day represented the College of Charleston, Charleston Southern University, the University of South Carolina, Clemson University, and South Carolina State University.
- The MUSC Wellness Center recently won three awards from Health Links Magazine in 2023: Best Fitness Center, Best Personal Trainer: Alicia O'Connor, and Best Exercise Program: Rock Steady Boxing (an exercise program for persons fighting Parkinson's disease).
- The MUSC College of Graduate Studies (COGS) hosted the EE Just Symposium on February 24, 2023. This event commemorates the life and achievements of EE Just, a native Charlestonian and a role model for perseverance in the face of societal obstacles. The event brings in groups of undergraduates from Historically Black Colleges and Universities (HBCU) and other SC institutions of higher learning to honor EE Just, attend a meaningful morning session with eminent guest speakers, and explore post-graduate educational opportunities at MUSC.
- The MUSC College of Pharmacy's (COP) residency match rate for Phase I exceeded the national average for the fifth consecutive year. Approximately half of the Class of 2023 will be pursuing post-graduate residencies. Residency matches ranged from MUSC Health to Brigham and Women's Hospital, to the University of Chicago, to Stanford's Lucile Packard Children's Hospital. Results of Phase II of the pharmacy match will be available on April 14, 2023, and the post-match "scramble" will follow, after which the COP will know its final match results.
- MUSC COP student, Madison Price, won the South Carolina Society of Health-System Pharmacists (SCSHP) 2023 Outstanding Student Pharmacist Award at this year's annual meeting. Madison Price is a 2020 Clemson University graduate completing an MBA and PharmD.
- The MUSC COP moved into the new building on March 7, 2023. The grand opening event was Friday, April 14, 2023.
- Our Office of Continuing Medical Education (CME) received reaccreditation from the Accreditation Council for CME for another four years. This is great news for the COM and all physicians who use our activities to meet their licensure and board certification requirements for CME.
- The COHP Division of Genetic Counseling successfully matched 14 qualified students through the national match system. This first cohort of students will matriculate in fall 2023.
- EISL Finance & Administration, as the MUSC representative on the SC Student Health Consortium, successfully renewed the BlueCross Blue Shield of SC insurance plan with a \$500 annual deductible (reduced from \$1,500/year) and a slight premium increase from \$2,849/year to \$2,956/year (3.75% increase or \$107/year).

ACADEMICS: EDUCATION



- The 2024 U.S. News & World Report Graduate School Rankings were released in May and the MUSC COM ranked 56th in the “Best Medical Schools: Research” ranking again this year. Among public institutions in the same category, MUSC ranked 28th. Additionally, we were ranked 58th in the “Best Medical Schools: Primary Care” ranking, increasing from a ranking of 76th in the previous year.
- COGS has successfully established a Digital Badge in both Science Communication and Entrepreneurship.
- MUSC has recently received an R25 research education grant, titled Raise Awareness in Students Early (RAISE) Host and Microbe Program from the National Institute of Allergy and Infectious Disease (NIAID). The principal investigators are Dr. Özlem Yilmaz, D.D.S., Ph.D., and Dr. Caroline Westwater, Ph.D., from the CODM. The major goal of this award is to increase the number of qualified individuals from underrepresented minority groups to pursue a graduate STEM degree and career COGS, COM, and COP, joined this grant which got awarded with \$870,000 total budget for the next five years.

ACADEMICS: FACULTY



- Diann Krywko, M.D., Professor in our Department of Emergency Medicine, was named Chair of the Department of Emergency Medicine following an extensive national search.
- Chris Goodier, M.D., Associate Professor in our Department of Ob/Gyn, was appointed Interim Associate Dean for Admissions.
- Bhisham Chera, M.D., Professor in our Department of Radiation Oncology, was named a Fellow of the American Society for Radiation Oncology. Dr. Chera was recognized for his far-reaching contributions to the field of radiation oncology and progress in advancing cancer research, education, and patient care.
- Steve Kautz, Ph.D., Distinguished University Professor, Chair of the Department of Health Sciences and Research, and Associate Director of the Center for Rehabilitation Research in Neurological Conditions, was named a Fellow of the American Society of Biomechanics.
- Angela Mund, DNP, CRNA, Chair of the Department of Clinical Sciences, was appointed to the Veterans Rural Health Advisory Committee by the Secretary of the United States Department of Veterans Affairs.
- Kathleen Lindell, Ph.D., RN, ATSF, FAAN, Associate Professor and Mary Swain Endowed Chair in Palliative Care in the CON, is an invited member to the Scientific Advisory Board for the Wolfson Palliative Care Research Centre, University of Hull, Hull, UK, the only representative from the United States, she also was elected to serve as Co-Chair of the Palliative & End-of-Life Care Expert Panel of the American Academy of Nursing, September 2022.
- The 2022 James W. Colbert Lectureship & Faculty Awards & Recognition Ceremony took place in August, recognizing the following individuals:
 - Amanda K. Giles, OTD, OTR/L, FAOTA; Teaching Excellence Award for Educator/Lecturer
 - Brandon D. Brown, M.D., FHM; Teaching Excellence Award for Educator/Mentor, Academic Scholarship
 - Marc E. Heincelman, M.D., MPH; Teaching Excellence Award for Educator/Mentor, Clinical Professional
 - Elizabeth A. Brown, Ph.D., MPA; Teaching Excellence Award for Developing Teacher
 - Patti A. Hart, DNP, RN, CPN, NEA-BC; Excellence in Interprofessional Education & Collaborative Practice Award
 - Allison R. Eckard, M.D.; Population Health Award
 - Jason R. Buckley, M.D.; Outstanding Clinician Award
 - Antonis Kourtidis, Ph.D.; Developing Scholar Award
 - Kenneth J. Ruggiero, Ph.D., MA; Peggy Schachte Research Mentor Award
 - T. Karl Byrne, M.D., BCh.; Distinguished Faculty Award
 - Kimberly S. Davis, M.D., FACP; Distinguished Faculty Award
 - Paul R. Lambert, M.D.; Distinguished Faculty Award
- Mulugeta Gebregziabher, Ph.D., Professor in our Department of Public Health Sciences, received the Victor Sidel and Barry Levy Award for Peace from the American Public Health Association for bringing global attention to the Ethiopian government's human rights violations against residents of his native country's Tigray region.

ACADEMICS: FACULTY



- Nathan Rowland, M.D., Ph.D., Assistant Professor in our Department of Neurosurgery, has been elected to the American Society of Stereotactic and Functional Neurosurgeons Board of Directors.
- Gerard Silvestri, M.D., Professor in our Department of Medicine, has been awarded Master Fellow from the American College of Chest Physicians. This award honors national or international Fellows of CHEST who have distinguished themselves by attaining professional preeminence.
- Rosaura Orengo-Aguayo, Ph.D., Associate Professor in our Department of Psychiatry, recently participated in an interview with Dr. Vivek Murthy, U.S. Surgeon General, on “What Do Natural Disasters Mean for Our Mental Health?”
- Deborah Deas, M.D., MPH (adjunct faculty Department of Psychiatry) and was recently elected to the National Academy of Medicine. An MUSC alumnus, Dr. Deas is currently the Vice Chancellor for Health Sciences, and the Mark and Pam Rubin Dean for the University of California Riverside School of Medicine. Dr. Deas served as a long-time faculty member and in many leadership roles in the COM, including Senior Associate Dean for Medical Education and Interim Dean.
- Terry Steyer, M.D., Dean of the COM, and Vice President for Medical Affairs, was invited to join the Society of Teachers of Family Medicine (STFM) Foundation Board as a Trustee.
- Garth Swanson, M.D., has been recruited as the new Director of the Division of Gastroenterology and Hepatology in the Department of Medicine, effective June 1, 2023. As an MUSC alum, Dr. Swanson returns to MUSC from Rush University Medical Center, where he is a Professor of Medicine in the Division of Digestive Diseases and Nutrition.
- Dirk Elston, M.D., Professor and Chair, COM Department of Dermatology, was awarded the American Academy of Dermatology’s 2023 Thomas G. Pearson Award in recognition of his commitment and service to his specialty and the Academy.
- Joseph Scalea, M.D., Professor and Vice Chair of Innovation, COM Department of Surgery, was honored with the 2023 American Society of Transplant Surgeons Rising Stars in Transplantation Surgery Award. This award recognizes individuals who have made a significant, profound, or potentially transformative contribution to the discipline.
- Anand Mehta, Ph.D., Professor, COM Department of Cell and Molecular Pharmacology and Senior Associate Dean for Research, COM, has been elected as a Fellow in the National Academy of Inventors.
- Michael Cummings, Ph.D., Professor, COM Department of Psychiatry, was selected as the recipient of the 2023 Doll-Wynder Award from the Society for Research on Nicotine and Tobacco. This award honors scientists who have made groundbreaking advances in public health, public policy, or epidemiological research.
- Carla Danielson, Ph.D., and Alyssa Rheingold, Ph.D., both Professors at COM Department of Psychiatry, were selected as the recipients of the MUSC 2022 Advancement of Women Award. The purpose of this award is to recognize faculty members who best demonstrate excellence in commitment to the advancement and promotion of women faculty at MUSC.

ACADEMICS: FACULTY



- Connie Guille, M.D., Professor, COM Department of Psychiatry, was awarded the 2022 Telehealth Pioneer Award during the 10th Annual Telehealth Summit of South Carolina.
- Elizabeth Hill, Ph.D., Hollings Biostatistics Shared Resource Director, has been named Associate Editor for the Journal of Clinical Oncology (JCO). JCO, the flagship publication of the American Society of Clinical Oncology (ASCO), is the leading journal for the dissemination of high-impact clinical oncology research (impact factor 50.7).
- Özlem Yilmaz, DDS, Ph.D., Professor and Chair, CODM, Department of Oral Health Sciences, was selected and inducted into the Sigma Xi, The Scientific Research Honor Society in December 2022.
- Lauren Gellar, Ph.D., COHP Division Director and Associate Professor in the Healthcare Studies Division, is the 2023 Martin Luther King Humanitarian Award recipient.
- Megan Donaldson PT, Ph.D., FAAOMPT, Professor and Chair of the Department of Rehabilitation Sciences, joined the CHP in January 2023.
- Russell “Chip” Norris, Ph.D., Professor COM Department of Regenerative Medicine and Cell Biology, and doctoral student Cortney Gensemer were highlighted by CNN News in December 2022 for their pioneering work on Hypermobile Ehlers-Danlos syndrome (hEDS).
- Richard Segal, Ph.D., PT, FAPTA, and Randal Davis, MBA, co-lead the National Coordinating Center for the NIH’s Medical Rehabilitation Research Resource (MR3) Network and represented both the NIH and MUSC at the International Neural Control of Movement conference in Dublin, Ireland in July 2022.
- Latecia Abraham-Hilaire, DHA, MHA, was appointed as the Director of MUSC’s Public Information and Community Outreach (PICO) Division and Principal Investigator of the U.S. Department of Energy’s Community Leaders Institute and Allen University’s Environmental Justice Institute.
- Jennifer Dahne, Ph.D., and Mindy Engevik, Ph.D., HCC researchers, have been selected for the National Academy of Medicine’s Emerging Leaders Forum. The Forum is an annual assembly of outstanding early and mid-career professionals with exceptional professional promise, achievement, and leadership in biomedical science, health, health care, and related fields.
- Carrie Cormack, DNP, APRN, CPNP-BC, Associate Professor in the CON, was inducted as a Fellow of the Hospice and Palliative Care Nurses Association (HPNA) at the March 2023 Annual Assembly of Hospice & Palliative Care in Montreal, Canada.
- Carol Feghali-Bostwick, Ph.D., Professor in the Department of Medicine, was recently named Associate Dean for Faculty Affairs, Development, and Wellness.
- Anand Mehta, D.Phil., SmartState Endowed Chair of Proteomic Biomarkers in the Department of Cell and Molecular Pharmacology and Experimental Therapeutics, has been named a fellow of the National Academy of Inventors (NAI). It is the highest professional distinction awarded to academic inventors. He has over 100 peer-reviewed publications to his name.

ACADEMICS: FACULTY



- Benjamin Toll, Ph.D., Professor in the Department of Public Health Sciences, was selected to become the President-Elect for the Society for Research on Nicotine & Tobacco (SRNT). In this capacity, Dr. Toll will be one of nine voting Board Members, and in 2024 he will be the President and lead the Society, including visits to Congress and the FDA to discuss US policies regarding nicotine and tobacco.
- Rachel Whitney, MLIS, AHIP, Instructor in the MUSC Libraries, was selected as one of the Medical Library Association's (MLA) Rising Stars for 2023-2024. The Rising Start program works to develop skills and gain knowledge to become a leader within MLA.
- Shannon D. Jones, EdD, M.Ed., MLS, AHIP, FMLA, Professor in the MUSC Libraries/Network of the National Library of Medicine, received the Emerging Technologies Section (ETS) Achievement Award. The recipient must have made either a sustained contribution toward attaining the goals of ETS or a single, significant contribution that has positively impacted the section's work.
- Zoher Kapasi, PT, Ph.D., MBA, FAPTA, Dean and Professor in the COHP, received the Stanford Award from the American Physical Therapy Association's Academy of Education for a paper that he co-authored. This award recognizes authors of manuscripts containing the most influential ideas published in the Journal of Physical Therapy Education for the calendar year.
- Richard Segal, Ph.D., PT, FAPTA, Professor in the COHP, was awarded the 2023 John P. Maley Award from the American Physical Therapy Association's Academy of Research. This award recognizes outstanding leadership in research over a sustained period.
- David Fitzgerald, DHA, MPH, CCP, Division Director and Assistant Professor of the Cardiovascular Perfusion Division in the COHP, was selected to become the President-Elect for the American Academy of Cardiovascular Perfusion. As the former President (2012-2014) of the American Society of Extracorporeal Technology, Dr. Fitzgerald is the only person to have held both positions during his career.
- On February 17, 2023, MUSC and the Office of Student Engagement selected six students and faculty from every college on the MUSC campus to be awarded the 2023 Excellence in Diversity Award at the ninth Annual Black History and Excellence in Diversity Awards Program.
The following winners were selected from each college:
 - Cynthia Wright, Ph.D., Associate Dean, COGS
 - Deirdre S. Williams, D.D.S., MS, Associate Professor in Pediatric Dentistry, CODM
 - Cory Robinson, Ph.D., Chief Administrative Officer, COHP
 - Simone Chinnis, Ph.D., Instructor-Faculty, CON
 - Kira Adkins, Student College of Pharmacy, COP
 - Sharee Wright, Patient Care Technician II, COM
- Lindsay Squeglia, Ph.D., Associate Professor in our Department of Psychiatry, received the South Carolina Governor's Young Scientist Award for Excellence in Scientific Research.
- Carol Feghali-Bostwick, Ph.D., Professor in our Department of Medicine, received a national award from the Association for Clinical and Translational Science for Contributing to the Diversity and Inclusiveness of the Translational Workforce.

ACADEMICS: FACULTY



- Marvella Ford, Ph.D., Associate Director, Population Science and Community Outreach and Engagement, MUSC Hollings Cancer Center (HCC), was invited to join the External Scientific Panel for the Cancer Moonshot Biobank and the National Minority Quality Forum's Cancer Stage Shifting Initiative's Scientific Advisory Board. She also was named a "Remarkable Woman" by WCBD Channel 2 and will be filming a national segment in Los Angeles with other "Remarkable Women" finalists from around the country.
- Benjamin Toll, Ph.D., Associate Director, Education and Training, MUSC Hollings Cancer Center (HCC), participated in the Cancer Moonshot Smoking Cessation Forum at the Eisenhower Executive Office Building on the White House grounds.
- Jillian Harvey, MPH, Ph.D., Division Director, and Professor in the Doctor of Health Administration Division in the COHP, was awarded the James E. Clyburn Health Equity Leadership Award.
- Lauren Gellar, Ph.D., Division Director, and Associate Professor in the Healthcare Studies Division in the COHP, was awarded the NACADA Outstanding Advising Award for Faculty Academic Advising. NACADA is the Global Community for Academic Advising.
- James Krause, Ph.D., Associate Dean for Research in the COHP, has received the 2023 Governor's Award for Excellence in Scientific Research.
- Martin B. Steed, DDS, FACS, Professor in our Department of Oral and Maxillofacial Surgery (OMFS), has earned the honor of becoming the first CODM James B. Edwards Endowed Chair enabled by Dr. James B. Edwards and Mrs. Ann D. Edwards.
- Brandon Welch, Ph.D., Assistant Professor in the Biomedical Informatics Center, received the 2022 Telehealth Innovator Award during the tenth Annual Telehealth Summit of South Carolina.
- Kenneth Michael Cummings, Ph.D., MPH, was recently awarded the 2023 Doll-Wynder Award from the Society for Research on Nicotine and Tobacco. This prestigious award honors scientists who have made groundbreaking advances in public health, public policy, or epidemiological research.
- Anand Mehta, D.Phil., SmartState Endowed Chair of Proteomic Biomarkers in the Department of Cell and Molecular Pharmacology and Experimental Therapeutics, COM, has been named a fellow of the National Academy of Inventors (NAI). It is the highest professional distinction awarded to academic inventors. He has over 100 peer-reviewed publications to his name.
- Benjamin Toll, Ph.D., Professor, COM Department of Public Health Sciences and Co-Director of the Lung Cancer Screening Program at HCC, is President-Elect for the Society for Research on Nicotine & Tobacco (SRNT). In this capacity, Dr. Toll will be one of nine voting Board Members, and in 2024 he will be the President and lead the Society, including visits to Congress and the Food and Drug Administration (FDA) to discuss US policies regarding nicotine and tobacco.
- Thomas Curran, M.D., MPH, Assistant Professor in the Department of Surgery and HCC member, is one of twelve surgeons from throughout the country selected for this year's cohort of the National Cancer Institute's Early-Stage Surgeon Scientist Program, which is designed to develop more physician-scientists focused on cancer research.

ACADEMICS: RESEARCH



- Faculty members Gigi Smith, RN, Ph.D., PNP, and Janelle Wagner, Ph.D. co-authored the paper “Learning Experience Design of a Health Intervention for Parents of Children with Epilepsy” and have been awarded the 2022 Outstanding Publication award by the Association for Educational Communications & Technology.
- The James B. Edwards CODM established a Center for Rural Oral Health Research and Community Engagement on the campus of MUSC Marion. A diverse portfolio of extramural funding (a total of \$3.5M) has been secured to address rural oral health disparities in the Pee Dee region through research and outreach. Funds from a Blue Cross Blue Shield of SC Foundation were used to secure the lease agreement with MUSC Marion.
- Carol Feghali-Bostwick, Ph.D., Jillian Harvey, Ph.D., Tammy Loucks, Ph.D., MPH., and Jesse Goodwin, Ph.D. were awarded an R25 Innovative Programs to Enhance Research Training grant from the National Institutes of Health. The team will receive ~\$2.4M over five years to support programs designed to increase the representation of women and underrepresented minorities as inventors and entrepreneurs within the state.
- Carol Feghali-Bostwick, Ph.D., Professor and Kitty Trask Holt Endowed Chair for Scleroderma Research in the Department of Medicine, received an NIH R25 award for the STEM-Coaching and Resources for Entrepreneurial Women (CREW) Program.
- Gerard Silvestri, M.D., and Marvella Ford, Ph.D., are co-leaders on a \$1.2M grant to Hollings Cancer Center from The Duke Endowment. They have ambitious goals to increase screening rates for five cancers and expand biomarker research trials by working with the regional hospitals in Florence, Lancaster, Chester, Marion, Columbia, and Kershaw and a new facility scheduled to open in 2023 to serve Lake City and Williamsburg County.
- Tatiana Davidson, Ph.D., Associate Professor, Mara Allport, BA, Research Program Coordinator, and Theresa Skojec, MA, Research Grant Human Services Coordinator, received the Victims of Crime Act (VOCA) award for Elder Abuse Assessment Training and Mental Health Services Program from the South Carolina Public Safety Coordinating Council.
- Shikhar Mehrotra, Ph.D., and Brian Hess, M.D., obtained FDA approval for their Car-T therapy for treating patients with lymphoma at HCC.
- In Our DNA SC, the MUSC research partnership with Helix, surpassed the first-year goal of 20,000 enrollments in January 2023.
- Shikhar Mehrotra, Ph.D., Professor, COM Department of Surgery, Associate Director, Cell Therapy Unit, Cell Evaluation & Therapy Shared Resource, Hollings Cancer Center (HCC), and Besim Ogretmen, Ph.D., Endowed Chair in Lipidomics & Drug Discovery and Director of the Lipidomics Shared Resource, HCC, co-founders of spin-off biotech company Lipo-Immuno Tech, LLC, have received their second phase I Small Business Technology Transfer (STTR) grant, which funds development of a novel adoptive cell therapy technology for cancer.

ACADEMICS: RESEARCH



- The MUSC Division of Population Oral Health (DPOH) led an all-grantees meeting of the School-Based Oral Health Program Initiative, a \$35M program of The Duke Endowment (TDE), Blue Cross Blue Shield of North Carolina Foundation, and the Blue Cross Blue Shield of South Carolina Foundation. The DPOH serves as the lead technical assistance and analytical center for the initiative. Approximately 150 participants from 43 grantee organizations across both states met at TDE headquarters on March 10, 2023.
- MUSC was recently awarded a Centers of Biomedical Research Excellence (COBRE) grant in Neurodevelopment and its Disorders. The Primary Investigator is Chris Cowan, Ph.D., Professor and Chair of our Department of Neuroscience.
- MUSC received \$14M from state Coronavirus Aid, Relief, and Economic Security (CARES) Act funding to conduct a Phase I clinical trial of a novel immunomodulating drug in partnership with OCI Biotech. Charlie Strange, M.D., will lead the study.
- One of CNN's most viewed articles of 2022 was about hEDS and highlighted Chip Norris, Ph.D., who operates a lab in the Department of Regenerative Medicine and Cell Biology, and the novel research he and his team are producing on this connective tissue disease.
- Brian Hess, M.D., a hematologist at MUSC Hollings Cancer Center (HCC), is leading a national trial through the SWOG Cancer Research Network to test whether certain drugs will help to prevent lymphoma recurrence in patients who've undergone CAR-T-cell therapy and experienced a partial response.
- The NIH awarded MUSC \$11.3M for Dr. Christopher W. Cowan, Ph.D., to create a Center of Biomedical Research Excellence, or COBRE, to focus on neurodevelopment and its disorders (CNDD), such as autism, ADD, ADHD, and intellectual disabilities. The grant will fund the first phase of the center's five-year initiative in research development and infrastructure.
- The South Carolina Established Program to Stimulate Competitive Research (EPSCoR) awarded the Track 1 - Research Infrastructure Improvement (RII) award to the Advancement of Personalized and Transformative Healthcare (ADAPT) project, a partnership between Clemson, MUSC, and USC, totaling \$20M in five years. The vision of the "Artificial Intelligence-enabled Devices for the Advancement of Personalized and Transformative Healthcare in South Carolina" ADAPT project is to build research capacity at the nexus of artificial intelligence (AI), life and social sciences, and bioengineering through fundamental research, education, workforce development, and industry partnerships.
- There are 35 active and 17 pending research projects in the Regional Health Network (RHN) Research Centers, including 13 federally funded projects. Florence, Columbia, and Orangeburg have current, active studies, and PIs located in Charleston have partnered with Columbia, Florence, and Lancaster to expand their studies across the state. Work is underway to elevate the RHN Research Centers on the MUSC Research website, making it easier for collaborators, industry partners, and participants to find information about each location.
- The CODM and Division of Population Oral Health (DPOH) have been awarded funding from the CareQuest Foundation to cultivate faculty champions at our state's Historically Black Colleges and Universities for mentoring their students in preparing for and pursuing dental professions.

ACADEMICS: RESEARCH



- The CODM and DPOH have received a second HRSA grant to plan and develop a community based dental GPR residency program with Little River Medical Center in Horry County. This is the same funding mechanism that led to a similar partnership with Affinity Health in York County.
- The Zucker Institute received the following new patents:
 - “Antibodies That Bind Interleukin-2 and Uses Thereof”, Mark Rubinstein, Ph.D., issued in Singapore (#11201902486P).
 - “Indene Derivatives and Uses Thereof,” Nathan G. Dolloff, Ph.D. and Reeder M. Robinson, Ph.D., issued in Australia (#2018323528).
 - “Glycan Analysis of Proteins and Cells,” Peggi M. Angel, Ph.D., Richard Drake, Ph.D., and Anand Mehta, D. Phil, issued in China (#112654642).
 - “Monitoring Neurological Functional Status,” Nancey Trevanian Tsai, M.D., and Mark E. Semler, issued in the US (#11642021).



MUSC HEALTH ENTERPRISE

- MUSC Health signed a 99-year lease arrangement with Orangeburg and Calhoun Counties to take operational control of Orangeburg RMC on March 1, 2023
- Lisa Goodlett, CPA, MBA, FACHE, MUHA CFO, was named by Becker's Healthcare to 50+ women hospital and health system CFOs to know in 2022.
- COVID-19 Bivalent vaccines have been operationalized in each MUSC Health Division, and greater than 680,000 COVID-19 tests have been performed to date statewide.
- MUSC Health reached an agreement to enter a REACH accountable care organization which is a significant step forward in our journey towards value-based care.
- MUSC Health/Global Medical Response unveiled a new helicopter on September 27, 2022. This is the fastest helicopter approved for medical transport and has a greater range.
- Dietary/EVS RFP operationalized \$10M in savings across the system.
- MUSC Health and the MUSC CON had several nurses receive the SC Palmetto Gold Award for Nursing Excellence in September 2022. Recipients include:

MUSC College of Nursing

Donna Reinbeck
Diana Layne
Natalia Davila

MUSC Health Charleston

Alan Hawes
Noah Rosenthal
Carrie Moore
Sarah Verner
Janice Arda

MUSC Health Columbia

Monica Wingard
May Reid
Andrea Chivers
Teresa Davis

MUSC Health Florence

Tallia Logsdon
Natasha Anderson

MUSC Health Marion

Rachel Grainger

- MUSC Health has experienced a 35% growth in "covered lives" in value-based programs from CY21 to CY22.
- The relationship with the South Carolina Department of Corrections (SCDOC) continues to grow with the recent addition of GI services, the opening of the Chester inpatient facility, and mobile mammography. South Carolina Department of Corrections (SCDC) revenue growth is \$20.5M FYTD, and the contract for full medical services is being finalized between MUSCP and SCDC.
- MUSC Health received an unqualified audit opinion for MUHA and Mainsail, transitioning a successful movement to JP Morgan Banking for MUHA to be financially poised for digital transformation.
- MUSC Health received a SCHA Zero Suicide reward, for the second year in a row.
- A new molecular pathology test – a predictor for postoperative pain – was rolled out in the Charleston preop clinic.



- Katie King, M.D., was recruited and hired as Chief Medical Information Officer.
- MUSC Health recognized as the 'Most Wired' health system by the College of Healthcare Information Management Executives.
- Tidelands Health officially joined Hollings Cancer Network in January 2023.
- MUSC Health executed a Letter of Intent (LOI) for an endoscopy Ambulatory Surgical Center (ASC) in the Nexton area on December 6, 2022.
- On December 10, 2022, MUSC Physicians entered a contract to purchase a property and have a new medical office building built at Clements Ferry Road in the new Cainhoy Development. We are slated to have a 4-story 80,000 square foot building built by the Keith Corporation by mid-2024.
- The Wendy and Keith Wellin Head and Neck Clinic celebrated the opening of an expansion of the clinic, which includes more than 7,200 square feet, eight new exam rooms, two new infusion rooms, office space, and nurses' stations, with two of the rooms designed for virtual consultations.
- MUSC Health Solid Organ Transplant Program performed the first pediatric lung transplant in MUSC history. In addition, heart transplant volumes are top 10 in the nation, and recently developed programs using donors after cardiac death. This was the highest volume kidney pancreas program in the US in 2022 and performed a record number of 55 live donor kidney transplants in MUSC history 2022.
- Specialty Pharmacy growth will surpass \$500M in revenue in FY23.
- MUSC Health System has entered into a new statewide contract to impact occupational health with CR Jackson (2,000 covered lives) and Nan-Ya plastics (1,000 covered lives).
- System Case Management and Utilization Review implementation under the leadership of Jennifer Thorpe, DNP, System Executive Director of Case Management and Utilization Review.
- Governor McMaster and David Cole, MD, FACS, President, MUSC, spoke at a press event for the Pee Dee Behavioral Health Hospital on June 15, 2023.

MUSC HEALTH CHARLESTON DIVISION

- MUSC Health has operationalized providing comprehensive student services at the Citadel and is seeing more than 50 cadets per day.
- MUSC Health Charleston had a successful recertification as a Level 1 Trauma Center from ACS in September 2022.
- MUSC Health Charleston was recertified by Joint Commission for Chest Pain and In-Patient Diabetes in July 2022.
- MUSC Health Charleston's lung transplant program qualified for the BDCT Center of Excellence in September 2022.
- A new Charleston wound care clinic opened.



- Approximately \$9.5M in funds to date have been raised for the Sea Islands' free-standing emergency department and medical office building project.
- MUSC Health Rehabilitation won the Encompass President's Circle Award for 2022.
- MUSC Health Rehabilitation was named the third-best physical rehabilitation center in the state of South Carolina for 2022.
- MUSC Hollings Cancer Center's CPC and NAPBC statuses were successfully reaccredited.
- The MUSC National Pancreas Foundation Center of Excellence successfully received its renewal of designation.
- Health Care Heroes Nominations were submitted for:
 - Steve Kahn (Physician)
 - Sara "Nancy" Sezginalp (Service/Therapy Animal)
 - Carrie Moore (Nurse)
 - Anna Blake (Nurse)
 - Jennifer Boolen (Nurse)
- The MUSC Northwoods Pediatrics office expanded with additional space and an additional pediatrics provider.
- MUSC Health Charleston opened multiple new areas of expansion in ambulatory care, including Park West, Northwood Pediatrics, Nexton, and Point Hope.
- The MUSC and Shriners Hospitals for Children (Shriners Children's) have announced an affiliation to elevate pediatric burn care and research at the MUSC Shawn Jenkins Children's Hospital. This is a component of the comprehensive South Carolina Burn Center. As a part of this affiliation, Shriners Children's announced a \$3M grant to establish the Shriners Children's Endowed Professorship in Pediatric Burn Care. The funds will be matched by funding from MUSC and support the only pediatric burn care center in the state, which includes a specialized pediatric burn unit. The affiliation's mutual goal is to establish cutting-edge research and best-in-class pediatric burn care delivery.
- The MUSC Health Charleston Pediatric and Congenital Heart Program was recognized as providing exceptional care by the Society of Thoracic Surgeons Congenital Heart Surgery Public Reporting. Our overall 4-year observed mortality is 1.37% (expected 2.59%), almost 50% less than expected. In addition to outstanding survival, our length of stay is lower than the national average for all ten benchmark operations and all 5 STAT Categories.
- MUSC Health Charleston had a successful UNOS recertification for all solid organ transplant programs in July 2022. CY2022 adult transplant program: n = 59; 10th highest volume in the US; 92.0% 1-year survival (US average 90.9%); 97.4% 1-year survival conditional on 90-day survival (US average 96.1%, and among best in the country); 93% 3-year survival (US average 85.9%).



- MUSC Health Charleston had a successful UNOS survey for VAD in September 2022.
CY2022 durable VAD program: n = 50; 5th highest volume in the US; 1-year survival > 5% better than the national average (most recent national average 87%) despite a nearly exclusive destination therapy implant volume (98%); completed 190 VAD evaluations CY2022 (up from 100-year prior) with 100% of evaluations completed within programmatic goal time.
- MUSC Health Charleston's transplant team performed three TransMedics heart transplants in CY2022, including the first reported combined heart-kidney transplant.
- MUSC Health Charleston obtained successful Joint Commission Recertification for Comprehensive Stroke Program.
- MUSC Health Charleston has been designated as a National Pancreas Foundation Center of Excellence.
- MUSC Health Charleston opened the first MUSC wound care clinic and hyperbaric chamber on the Charleston campus.
- MUSC Health Charleston provided Top Tier Value-based Care CY22 in Performance with Ambulatory Quality Measures (Medicare ACO, BCBS PCMH+, BCBS Kids, Select Health).
- MUSC Health Charleston opened a new Neurosurgical ICU with an expansion to 30 beds.
- This past year, MUSC Health Charleston's structural heart team performed the 1,000th Transcatheter Aortic Valve Replacement (TAVR).
- MUSC Health Charleston was successful in the recruitment of key clinical and administrative leadership for Oncology Integrated Centers of Clinical Excellence (ICCE) and Hollings Cancer Network, hiring Craig Lockhart, M.D., Kevin Platé, MBA, Jason Newman, M.D., and Laura Sample, MHA.
- MUSC Health Charleston received successful reaccreditation for the National Association of Epilepsy Centers (NAEC). Our Epilepsy Center is again accredited for two more years as a level 4 center (the highest designation) by the NAEC. We remain the only level 4 center in South Carolina and have been a level 4 center continuously since 2008.
- MUSC Health Charleston has been recognized again by The Joint Commission and the American Heart Association/American Stroke Association as a Comprehensive Stroke Center.
- The 2024 U.S. News & World Report Best Children's Hospitals Rankings were released in June, and several of our Pediatric specialties were nationally ranked, to include high outcomes rankings, as follows:
 - Our Pediatric Cardiology & Heart Surgery team is ranked #4 in the nation for the second year in a row and received the #3 ranking in the nation for outcomes.
 - Our pediatric cancer team made a jump to #26 nationally, coming in at #14 nationwide for outcomes.
 - Others achieving national rankings in the top 50 include Orthopedics at #36, Neonatology at #44, Nephrology at #48, and Gastroenterology/GI Surgery at #50.
- Out of 43 ranked hospitals, MUSC Health Charleston was #9 in the Southeast Region and #1 in South Carolina.



MUSC HEALTH ORANGEBURG

- MUSC Health successfully completed a long-term lease and operations agreement with the Regional Medical Center (tRMC) on March 1, 2023.
- MUSC Health Orangeburg received successful American College of Surgeons level 3 trauma verification.
- MUSC Health Orangeburg received full JACHO accreditation within three months of transition from tRMC.

MUSC HEALTH PEE DEE DIVISION

- MUSC Marion Medical Center received a Leapfrog score of "A" improving from an "F" at the time of acquisition.
- MUSC formally announced the Leatherman Center, a 63-bed behavioral health facility to serve the Pee Dee region.
- MUSC Health Pee Dee launched an apprenticeship program for Patient Care Technicians to meet workforce needs.
- MUSC Pharmacy opened its first retail pharmacy operation in MUSC Health Florence Medical Center, allowing for medications to be delivered at discharge, creating a new source of revenue for the division.
- Butterfly handheld ultrasounds have been deployed in Marion and Florence, enabling faster diagnosis of certain conditions and improved nurse satisfaction.
- The rural health clinics previously owned by Lake City Community Hospital were acquired and transitioned on October 1, 2022.
- MUSC Health Florence Women's Center received the Baby Friendly designation by Baby Friendly USA.
- A certificate of need has been awarded for a free-standing emergency department in West Florence.
- The MUSC Health Florence and Marion teams had impressive improvements in Vizient rankings for quality! Florence improved from 105 to 58 (out of 148), and Marion improved from 210 to 145 (out of 268). These are very impressive gains over a year.
- US News and World Report recognized MUSC Health Florence as high performing in Heart Failure, Stroke, COPD, and Kidney Failure.
- MUSC Health Florence received from SCHA - 12 Zero Harm Awards.
- MUSC Health Florence Inpatient Rehabilitation had a successful reaccreditation by CARF.
- On January 17, 2023, MUSC Black River Medical Center was successfully opened.
- On December 1, 2022, MUSC Health Florence closed on the Williamsburg rural health and ambulatory clinics as part of the MUSC Black River Medical Center tri-party relationship. On January 17, 2023, we acquired Williamsburg Physical Therapy (PT) assets and the Lake City PT clinic.



- MUSC Health entered several leases and acquired properties associated with the MUSC Black River Medical Center from Williamsburg County Regional Hospital and Lower Florence County Hospital.
- MUSC Black River Medical Center has been awarded two Green Globes by Green Building Initiative (GBI) for energy efficiency.
- MUSC Florence Maternity Care was designated as High Performing by US News and World Reports.
- MUSC Florence received six Quality and Safety Awards.
- MUSC Florence achieved the top decile in the Vizient quality comparison group for Mortality.
- The following new certificates of need CON were recently awarded in the Florence Division:
 - Additional MRI machines to improve the patient experience with greater access and decreased wait times. Relocation of rehabilitation beds to the MUSC Health Florence Medical Center to improve patient experience and operational efficiency.
 - Additional da Vinci Robot to expand access to the latest technology for minimally invasive surgeries.
 - Relocation and expanding infusion services to improve timely access and coordination of cancer care with co-located clinic space.
- MUSC Health Florence Medical Center celebrated the 1000th Robotic Surgery Case and welcomed its second Da Vinci Xi robot to the program.
- MUSC Health Florence Medical Center reached the 84th percentile for patient satisfaction in February 2023.
- The Joint Commission successfully accredited MUSC Health Black River Medical Center in its inaugural survey.
- MUSC Health Florence Medical Center was accredited by The Joint Commission for Total Knee Replacement.

MUSC HEALTH LANCASTER DIVISION

- The lung cancer screening program within the MUSC Health Lancaster Division cared for nearly 500 patients in its first year of operations, with approximately 4.5% of patients requiring close follow-up for findings concerning cancer. Services are currently offered at Lancaster Medical Center and the Lancaster Imaging Center and will be expanded to Chester Medical Center this fall.
- Robotic surgery with the da Vinci Robotic Surgical System began earlier this year, with over 200 cases completed to date, including the division's first robotic prostatectomies.
- MUSC Health Lancaster Medical Center hired its first vascular interventional radiologist earlier this year, with nearly 200 cases performed to date.
- The MUSC Health Lancaster Division is the official Sports Medicine Provider of Choice for Lancaster and Chester school districts, with certified athletic trainers at each of the seven high schools within the districts and providers supporting professional staffing at home football games.



- MUSC Health Lancaster Medical Center achieved Baby Friendly designation earlier this year, which is awarded to only 20 hospitals in SC and less than 1,000 hospitals nationwide.
- The MUSC Health Lancaster sleep lab was reaccredited in September 2022.
- MUSC Health Lancaster received 16 Zero Harm Award from SCHA, including the Zero Harm Leadership Award to Scott Broome, MHA, FACHE, their CEO.
- MUSC hosted a stakeholder and media tour of the new 36-bed secure inpatient unit at MUSC Health Chester Medical Center. The first SCDOC patients are expected in January 2023.
- MUSC Health's Transplant Program in Lancaster received notice of Centers for Medicare & Medicaid Services (CMS) certification in early December 2022. This certification reflects quality/safety compliance and triggers reimbursement eligibility. The program reached the milestone of 25 kidney transplants in early January 2023. MUSC Lancaster Medical Center completed 65 kidney transplants in the program's first year.
- MUSC Chester- The 36-bed inpatient unit for patients from the SCDC opened at MUSC Health Chester Medical Center on January 16, 2023. Four patients were admitted on opening day. MUSC Chester Medical Center completed its first full quarter serving patients from the SC Department of Corrections with an average daily census of 25 patients.
- Medical staff development efforts have led to significant growth in surgical volume within the MUSC Health Lancaster Division over the last 2-years. Surgical volume increased by 31% from FY2021 to FY2022 and has increased by another 16% for FYTD2023. Specialties experiencing the most significant growth include general surgery, orthopedics, and urology.
- Strong growth in surgical volume continues within the MUSC Health Lancaster Division, with FYTD March overall surgical volume 20% favorable to the prior year and 7% favorable to budget. Key areas experiencing growth include general surgery, transplant, and urology, which have all benefited from the MUSC Health pipeline through hires of residents and fellows.
- Newsweek recognized the MUSC Health Surgery Center at Edgewater as one of America's Best Ambulatory Surgery Centers in 2023.

MUSC HEALTH MIDLANDS

- The MUSC Health Midlands Division celebrated its first anniversary since joining the MUSC Health family on August 1, 2021.
- The MUSC Health Midlands Division was recognized as high performing in 5 specialties by the US News and World Report Rankings.
- The MUSC Health Columbia Medical Center Downtown went live with Hicuity Tele-ICU.
- The MUSC Health Kershaw Medical Center received a S.A.F.E. Designation as a Level 1 facility for providing care to sexual assault victims.
- MUSC Health Midlands received No Harm Awards from SCHA.



- Bear Coney, M.D., an Advanced Heart Failure physician, is now performing Barostim and CardioMEMS procedures at MUSC Columbia Medical Center.
- Gabor Winkler, M.D., Vascular Surgeon, is now performing Trans Carotid Artery Revascularization (TCAR) procedures at MUSC Columbia Medical Center.
- Rami Batarseh, M.D., Pulmonary/Critical Care physician, is now performing Endotracheal Bronchoscopy Ultrasound (EBUS) procedures at MUSC Kershaw Medical Center.
- The MUSC Health Midlands Division Low Dose CT program has experienced rapid growth since opening in the summer of 2022. We will now add a Lexington County location in addition to our three other sites. The new location will be at 2351 Augusta Hwy, Lexington, SC, 29072.
- The WellHive platform went live in MUSC Health Midlands on December 19, 2022. WellHive improves the process of receiving referrals from the Veteran's Affairs (VA) by allowing VA staff to book appointments electronically, directly with MUSC Health Midlands providers. We are the first academic medical center in the country to partner with WellHive and the VA.
- MUSC Health Midlands Columbia Medical Center was recently awarded the Certificate of Distinction in Chest Pain by the Joint Commission.
- On December 27, 2022, Jeff Brooker, M.D., donated to Mainsail, the property at 1625 Bernardin Street, Columbia, SC, 29204. This parcel abuts the former Providence Hospital and will expand MUSC Health Midland's campus.
- MUSC Health Columbia Downtown ranked in the top 10 cardiovascular community hospitals in the nation.
- MUSC Midlands reduced operating expenses by \$2M over the past six weeks.
- MUSC Health Midlands received Leapfrog scores of "A" at MUSC Columbia Downtown and MUSC Columbia Northeast.
- MUSC Health Midlands launched a new GI partnership with Columbia Gastroenterology.
- MUSC Health Midlands established provider commitments to expand services in urology, retina surgery, and colon and rectal surgery.



musc.edu



muschealth.org