



Report to the University Senate

The Health Sciences Campus

August 31, 2020

Stony Brook Medicine

- We cared for over 9000 Suffolk County residents who were deemed a person under investigation for COVID-19, ~5000 of whom were confirmed with the disease, of whom 1400 were hospitalized. Our peak PUI/COVID census was 437 patients, of whom ~135 were on mechanical ventilation, accomplished with massive preparations, facility and staffing reorganizations. Our patient survival was the best of any hospital system on Long Island, with 86% overall survival and nearly 60% ICU/intubated patient survivals. I cannot stress enough how amazing our staff nurses, respiratory therapists, physicians, and every member of our healthcare teams were during this unprecedented crisis.
- Received a top 100 ranking overall (out of nearly 5000 US hospitals) for the second year from HEALTHGRADES, which ranks hospitals based on key outcomes (lack of mortality, complications, or re-hospitalization) on 34 common measures, and for cardiac interventions, heart failure and stroke care received top 100 rankings for the sixth consecutive year. It is important to note that few teaching hospitals generally achieve this ranking. We also were ranked as a top 50 hospital by US News and World Report for two specialties, orthopedics and neurosciences.
- Further developed our clinically integrated network; enhancing both patient care and administrative efficiencies, using it to sign our first accountable care organization contract.

Renaissance School of Medicine

- New LEARN curriculum yielded best national board examination test results in the history of the school, and student satisfaction scores were also our best ever (13/15 basic science courses above the national mean, and 6 above the 75th percentile, and 6 of 9 clinical clerkships above the mean, with 3 above the 75th percentile).
- Placed 36% of SoM graduates in top 20 residencies for second consecutive year.
- Seventy research programs are underway to uncover the pathophysiology of COVID-19 and its effects on various aspects of affected patients and families. These studies had included one of the only randomized, double-blind studies of convalescent plasma for severe COVID-19 in the nation, which was just suspended b/o the premature (in most scientists opinion) approval by FDA of convalescent plasma for COVID-19 patients, understanding the hypercoagulability



of COVID-19, in which an intervention materially improved patient outcomes, and we are about to begin clinical trials of SARS-CoV2 viral vaccine studies.

- Participated with other SBU Schools (e.g. SHTM, CEAS) to innovate responses to COVID-19 needs, including the creation of a ventilator from conception to large animal testing in 10 days.
- Graduated the Class of 2020 seven weeks early, allowing nearly half of our graduates to be hired by SBUH as “assisting physicians”, who greatly helped with our response to the COVID-19 crisis. Throughout the crisis, medical and graduate students from RSOM helped respond in numerous ways, working in clinical laboratories, assembling make-shift personal protective equipment, and in the clinical arena.

School of Social Welfare

- In 2019-2020 our 11 tenure track faculty produced 54 publications, and submitted 41 grants of which 13 were awarded and 17 are pending. This included the submission of 12 grants related to COVID-19.
- The rise of the SBU SSW was evident in the increase in MSW admissions by 29% in 2020. Total enrollment has grown by 48% since 2015.
- Completed revision of the BSW curriculum
- Launched monthly Racial Equity Seminars organized by and for students, and initiated a “equity audit” of the school, reviewing admissions, advising, curriculum, faculty and adjunct faculty search and retention, internships, advising, and work conditions. Added a new special topics elective entitled, “Anti-Racist Social Work: Understanding White Fragility and Black Rage.” The course will be team taught by two faculty members.
- To enhance collective identity and school attachment during remote instruction, we launched SSW Connect, a series of discussions, movies, presentations, and fun activities that promote student interaction with one another and with faculty around particular social work related subjects.
- Our HRSA grant designed to train social work and nursing students to use brief behavioral health interventions in primary health care settings was extended. We received a grant from the NY Community Foundation to train students to assess and intervene with substance abusing clients. As a result of these two grants, 60 students will receive \$10K stipends in 2020-2021.

School of Nursing



- On-line Master's program was ranked tied for #7 by US New and World Report., up from #15 last year
- BSN graduates had a 97% NCLEX pass rate
- Stony Brook School of Nursing Student Nurse Association won the Stellar Award from the National Student Nurse Association.
- Dr. Mary Ellen LaSala received the Leader of Leaders Award at the Nursing Students Association of New York State's annual convention.
- Justin Waryold, DNP, RN, clinical assistant professor and director of the Advanced Practice Nursing Program in Adult Health at Stony Brook University was named Top Nurse on Long Island.
- DNP student Jeanne Martin has been named Nurse Practitioner of the Year for New York State.

School of Dental Medicine

- SDM Principal Investigator David K. Lam MD, DDS, PhD and NuShores received \$1.5M funding notice from the National Institutes of Health (NIH) for their Years 2 and 3 Phase II studies as part of their rare Fast Track SBIR award last year. This resulted from their Phase I SBIR studies that proved the feasibility of its NuCress™ bone filler scaffolds that provides advanced bone formation with positive outcomes for complex craniomaxillofacial medical conditions.
- SDM faculty member is training and mentoring a student in SBU's NCI-supported INDUCER (Increasing Diversity in Undergraduate Cancer Biology Education and Research) Fellowship program with the long-term goal to increase the numbers of URM students pursuing research careers in the biomedical sciences with an emphasis on studying the biology of cancer.
- Co-sponsored a Spring Health Fair with SBELIH and the Town of Southold to provide free Oral Cancer Screenings for the people of the east end.
- Completed a two-year investment totaling \$2.4M in the new Center for Implant and Digital Technology (CIDT). The entire process of fabricating a precise, state-of-the-art restoration can be performed quickly and efficiently through the use of high-tech scanners to accurately capture information, eliminating the need for traditional dental impressions. Software is then used to design, and mill or 3D print the final restoration, which can be delivered immediately to the patient.
- Invested \$0.5M in collaborative learning spaces through updates of lecture halls, conference rooms, and a student lounge.



School of Health, Technology & Management

- The School was awarded 5 seed grants to interprofessional groups of researchers.
- The SHTM has established the SHTM Office of Diversity and has named Prof. Robbye Kinkaid as the Director of Diversity
- Enrollments for the School remain strong and steady with approximately 1300 students (600 UG, 700 G), with virtually 100% of graduates employed in their area of training within 3 months of commencement.
- The *Athletic Training program* transitioned to a Masters degree and achieved 100% pass rate on graduates' licensing examinations, and the AT Program Director, Kathryn Koshansky, will be inducted into SBU Athletics Hall of Fame in Spring 2021)
- The *Center for Public Health Education* in collaboration with the Program in Public Health and Hofstra University conducted an HIV Needs Assessment of the Long Island region as requested by the New York State Department of Health, through collaboration with Columbia University and the Northeast AIDS Education and Training Center, the Center assisted in expanding HIV services in the Virgin Islands and through Columbia obtained \$130,00 in funding to address COVID-19 training and support for healthcare workers on Long Island and Queens County.
- The *Health Science major* is the third most popular major on campus, offering radiation therapy, radiologic technology, medical dosimetry, and anesthesia technology, and a gateway to numerous other advanced degree programs in allied health professions. The graduates achieved a 100% pass rates on national registry/certification exams for the four programs.
- *Occupational Therapy* students achieved a 98% pass rate for the NBCOT boards, and five of the seven occupational therapy faculty members were accepted to present at the American Occupational Therapy Association's Annual Conference
- *The Physician Assistant Program* ranked 1st in New York State and 15th in the United States (US News & World Report, 2019), boasting a 5-year (First Time Taker) PA National Certifying Exam (PANCE) pass rate of 96%.
- *The Respiratory Care Program* faculty and students responded during the COVID- 19: John Brittelli designed, developed, built and tested the mechanical ventilator CorVent in ten days for use during the COVID-19 pandemic, Ann Cuccia and Lisa Johnson responded to the request from the Respiratory Care Department in the Hospital to work and a senior student Monica Marrone



responded to work as Instructional Support Assistant, and the Class of 2020 graduated two months early to prepare and take the NBRC exams and obtain NYS license.

Long Island State Veterans Home

- Ranked at 5 Stars for Overall Quality by CMS.gov.
- Named one of the top 400 Nursing Homes nationwide for 2020 by Newsweek.
- Over 99% of customers surveyed in 2020 (residents & family members) say that they can highly recommend the Home to a family member or friend.
- Completed renovation/modernization of 7 of 12 nursing units as part of the Home's OPERATION REJUVENATION.
- Awarded a \$12.6 million VA COVID-19 Construction Grant to improve facility for future pandemics.