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## **RUTGERS AND RBHS**

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### **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**

Rutgers was founded in 1766 as the all-male Queen's College in New Brunswick and renamed Rutgers College in 1825. The New Jersey College for Women, now Douglass Residential College, was founded in 1918 and became part of Rutgers in 1955. State legislative acts in 1945 and 1956 designated Rutgers as The State University of New Jersey. The University of Newark, now Rutgers University-Newark, joined Rutgers in 1946. The College of South Jersey, now Rutgers University-Camden, joined Rutgers in 1950. A state legislative act in 2013 transferred much of what was the University of Medicine and Dentistry of New Jersey to Rutgers, leading to the formation of what today is Rutgers Biomedical and Health Sciences (RBHS) and adding the final piece to today's institution. Rutgers is the eighth oldest higher education institution in the U.S. and the nation's only university that is a colonial college, land-grant institution, and a public research university.

Today, Rutgers is a leading national research university system with universities in three geographically separate cities: Camden, New Brunswick, and Newark and a health system division that extends across all three. It is the only public institution in New Jersey holding membership in the Association of American Universities and one of only 62 such members in the nation. Rutgers joined the Big Ten in July 2014, and in doing so joined the Committee on Institutional Cooperation, a consortium of 15 world-class research universities.

Rutgers' mission is to provide for the instructional needs of New Jersey's citizens through its undergraduate, graduate, and continuing education programs, and to conduct cutting-edge research that contributes to the medical, environmental, social, and cultural well-being of the state. Rutgers also aids the economy and the state's businesses and industries and performs public service in support of the citizens of the state and its local, county, and state governments.

More than 65,000 students -- from all 50 states and more than 115 countries -- attend Rutgers, enrolling in its 33 schools and colleges. Approximately 45,000 are undergraduates and 20,000 are graduate students. More than 6,300 students matriculate in Camden, more than 41,000 students in New Brunswick, more than 12,000 students in Newark, and nearly 8,000 students are enrolled in an RBHS degree program. Rutgers offers more than 100 undergraduate majors and more than 200 graduate degree programs. More than 450,000 alumni reside throughout the 50 states and on six continents. Students are taught by more than 9,000 full- and part-time faculty, and supported by more than 15,400 full- and part-time staff members.

### **RUTGERS BIOMEDICAL AND HEALTH SCIENCES**

The 2012 New Jersey Medical and Health Sciences Education Restructuring Act established Rutgers Biomedical and Health Sciences (RBHS) in July 2013, as the health care education, research, and clinical division at Rutgers. RBHS comprises most of the units of the former University of Medicine and Dentistry of New Jersey (UMDNJ), which was dissolved under the 2012 statute, and several existing Rutgers units with health-related missions. The integration of these units, which now includes eight schools, four centers and institutes, and a behavioral health care network, has resulted in a single division that will provide new models for clinical care and community service, educate the next generation of health care providers utilizing team approaches to care, and conduct basic science,

public health, and clinical research. These entities are geographically located at Rutgers University–New Brunswick, including facilities in Piscataway; at Rutgers Health Sciences at Newark, Scotch Plains, and Stratford; at Rutgers University–Newark; and at additional locations in New Jersey. RBHS, integral to Rutgers' mission, works synergistically with many other academic, research, and clinical units throughout Rutgers and the region.

With the establishment of RBHS, Rutgers now stands as one of the nation's largest, most comprehensive university-based centers for studying and improving human health and health care. Rutgers is now uniquely equipped to transform lives through the advancement of medical innovation, the provision of direct patient care supported by the latest research findings, and the education of a full complement of health care professionals.

The eight RBHS schools collectively comprise New Jersey's largest and most influential constellation of academic institutions devoted to medicine, dentistry, advanced health-related sciences, pharmacy, public health, nursing, and the full spectrum of allied health careers. Highly regarded programs are taught by outstanding faculty at multiple locations throughout the state.

RBHS health care providers deliver a wide range of high-quality patient care services across the State of New Jersey. Faculty practices currently operate at New Jersey Medical School, Robert Wood Johnson Medical School, School of Dental Medicine, School of Health Related Professions, and School of Nursing. University Behavioral Health Care is one of the nation's largest behavioral health care networks. RBHS also partners with a broad network of hospitals and health care facilities to deliver patient care and provide educational experiences for students. Clinical revenues account for roughly half of the RBHS budget. RBHS logs over 1.7 million patient visits annually and conducts more than 350 clinical trials across 27 clinical sites.

For Rutgers and the region, the advantages of having a highly regarded integrated health care division attached to The State University of New Jersey are considerable, as Rutgers is poised to attract more top-flight faculty and students, deepen its research collaborations, optimize the coordination of health care for residents, conduct cutting-edge health care research and discovery, accelerate economic growth, and attract public and private partnerships and support.

## **RHBS SCHOOLS**

### **Ernest Mario School of Pharmacy**

The Ernest Mario School of Pharmacy (EMSOP) has a long and illustrious history, dating back to 1892 when the pharmacy program was located in Newark. Since 1971, the school has been housed primarily in the William Levine Building on the Busch campus in Piscataway. EMSOP is a leading educational institution dedicated to excellence in health care and biomedical education, innovative and visionary research and scholarship in the pharmaceutical sciences, exemplary clinical practice, partnerships with industry, and outreach and community services that address the needs of the citizens of New Jersey and society-at-large.

The pharmacy school is built on four pillars: research, teaching, clinical practice, and service. The school has a total of 99 faculty in five departments: Chemical Biology, Pharmacy Practice & Administration, Pharmacology/Toxicology, Pharmaceutics, and Medicinal Chemistry. Key areas of research include cancer and cancer prevention; toxicology and environmental toxicology; drug metabolism and drug transporters; novel antibiotics, anticancer drugs, and chiral chemistry/asymmetric catalysis; drug delivery and nanotechnology; and medical countermeasures against chemical threats. In addition to work in their own laboratories, pharmacy school faculty are

actively engaged in major research programs with the Cancer Institute of New Jersey and the Environmental and Occupational Health Sciences Institute (EOHSI). Pharmacy school faculty received a total of \$21,746,696 in extramural awards in FY 2013 (\$18,269,559 in direct costs and \$3,477,137 in indirect costs). Of this total, \$10,129,731 was received from the National Institutes of Health (NIH) (\$6,806,748 in direct costs and \$3,322,983 in indirect costs). These figures include the nearly \$8 million in annual funding provided primarily by industry partners to support the school's highly regarded Pharmaceutical Industry Fellows program, the largest such program in the U.S.

The school offers a preeminent doctor of pharmacy (PharmD) program, which provides students with a strong foundation in basic and clinical sciences coupled with an emphasis on patient-centered care. The program offers diverse opportunities and experience in clinical practice, industry, public health agencies, managed care, and laboratory and computational research. Approximately 200 students complete the PharmD each year. Students benefit from the revamped research honors program, which has grown from 13 to 49 students since its inception two years ago. Students also benefit from dual degree programs: PharmD/PhD, PharmD/MBA, PharmD/MPH, and PharmD/MD (the first such program in the U.S.).

Faculty direct three PhD/MS programs for approximately 90 students, in medicinal chemistry, pharmaceuticals, and toxicology, offered jointly with Robert Wood Johnson Medical School. In September 2014, the school launched a new MS Program in health outcomes, policy, and economics, offered jointly with the School of Public Health. Faculty are also involved with other MS and PhD programs, including multidisciplinary research training opportunities in pharmaceutical and biomedical sciences, pharmacoeconomics, and related health and basic science fields, offered in collaboration with colleagues throughout Rutgers.

Pharmacy practice clinical faculty maintain practices at 20 key hospital sites in northern and central New Jersey, including Robert Wood Johnson University Hospital, Hackensack University Medical Center, and Barnabas Health. Primary clinical practice areas include general internal medicine, infectious disease, critical care, emergency medicine, pediatrics, oncology, and neuropsychiatric pharmacotherapy. In addition, comprehensive clinical residency and fellowship programs in diverse fields, including pharmacy practice, the pharmaceutical industry, and health outcomes research, are available to postdoctoral trainees. Finally, continuing education programs promote achievement, retention, and strengthening of professional competencies, support lifelong learning opportunities, and serve the varied educational needs of the pharmacy practitioners of New Jersey.

Currently, the pharmacy school utilizes 95,928 assigned square feet of space, which includes its primary space in Levine and additional space on the Busch campus, including substantial space in the Susan Cullman Lehman Laboratory for Cancer Research, and limited assigned space in EOHSI and the Gordon Road Facility. New space will be provided in the future with a planned building addition, the Teaching, Simulation and Research Complex. This new facility, to be built adjacent to Levine, will provide state-of-the-art teaching and research space for EMSOP, support collaborative programs, and offer schools and units within RBHS access to shared facilities and equipment and laboratories capable of advanced simulation education.

### **Graduate School of Biomedical Sciences**

The Graduate School of Biomedical Sciences (GSBS), founded in 1969, provides graduate training in the basic biomedical science disciplines and offers MS and PhD degree programs at the Newark and New Brunswick/Piscataway campuses. The GSBS teaching mission is to develop scientists who will contribute new knowledge in the biomedical disciplines through creative research and scholarship, and

become the future scientific leaders in academics, industry, and government. Currently, GSBS draws its more than 500 faculty primarily from the medical and dental schools of RBHS: New Jersey Medical School (NJMS) and the School of Dental Medicine (RSDM) in Newark, and Robert Wood Johnson Medical School (RWJMS) in New Brunswick/Piscataway. Additional faculty with primary appointments in Rutgers Graduate School–New Brunswick (GSNB) and New Jersey Institute of Technology (NJIT) also participate, as do adjunct faculty with appointments in industry. GSBS utilizes space and classrooms within the medical schools and dental school. Currently, more than 700 students are enrolled in GSBS programs.

GSBS provides graduate training across the spectrum of biomedical sciences. The PhD programs encompass studies in: molecular biology, molecular genetics, biochemistry, cancer, cell and developmental biology, cell and molecular pharmacology, neuroscience, physiology, immunology and infectious disease, integrative biology, environmental/exposure science, toxicology, and biomedical engineering. In Newark, an MD/PhD degree program is offered jointly with NJMS, a DMD/PhD degree program is provided jointly with RSDM, and a DPT/PhD program is conducted jointly with the School of Health Related Professions. GSBS in New Brunswick/Piscataway offers seven PhD programs jointly with GSNB as part of a molecular biosciences program. They also offer an MD/PhD program in collaboration with RWJMS and Princeton University.

GSBS master-level training is offered through a master of science (MS) program, master of biomedical sciences (MBS) program, a master's in clinical translational science (MSCTS) program, an MS/MBA degree program offered jointly with Rutgers Business School, and an MS/MPH degree program offered jointly with the School of Public Health. In Newark, GSBS also awards certificates in biodefense, pharmacological science, and stem cell biology.

In addition, strong community outreach programs exist across GSBS to teach science and research techniques to local high school and community college students; some of these programs have been recognized at the national level. GSBS participates in state and national educational programs for high school and undergraduate students, including the New Jersey Science Olympiad, the national Brain Bee, and the NJ SEEDS program to prepare academically talented, financially limited youth for success at competitive schools.

### **New Jersey Medical School**

New Jersey Medical School (NJMS) is an academic, biomedical research, and health care enterprise whose mission is to meet the needs of the local and global community through outstanding education, pioneering research, cutting-edge clinical care, and public service. NJMS, founded in 1954 and based in Newark, educates students, physicians, and scientists to meet society's current and future health care needs.

NJMS provides undergraduate medical education to 750 medical students, who make up one of the most ethnically diverse student bodies in the U.S. Students are expected to acquire knowledge and understanding of societal needs and demands on health care throughout the four years of training. The six NJMS curricular goals are mastery of clinical knowledge with integration of basic sciences, excellence in clinical skills, excellence in professionalism and humanism, commitment to the health of the community and appreciation of social and cultural diversity, commitment to lifelong learning, and development of effective skills in education and communication. In addition to the MD degree, NJMS offers BA/MD, BS/MD, MD/MBA, MD/PhD, MD/JD, MD/MPH, and MD/OMFS degrees, either with other RBHS schools or with affiliated institutions.

Medical students receive clinical training through rotations available at multiple hospitals, including predominantly underserved and underinsured populations as well as predominantly suburban populations. Hospitals include University Hospital in Newark, NJMS' principal teaching hospital and New Jersey's busiest level 1 trauma center, Veterans Administration New Jersey Healthcare System in East Orange, Hackensack University Medical Center (HUMC), HUMC Mountainside Hospital, Saint Barnabas Medical Center, Morristown Memorial Hospital, Newark Beth Israel Medical Center, and Greystone Park Psychiatric Hospital. NJMS students consistently match at a rate higher than the national average in the National Resident Matching Program and, in recent years, have averaged between 98 and 100%.

The NJMS graduate medical education program encompasses 54 specialty tracks and provides training to 600 house staff (residents and fellows), representing 27 different fellowship and residency programs.

There are 650 full-time, 115 part-time, and nearly 1,600 volunteer faculty in NJMS basic science and clinical departments. Faculty represent a diverse population, with 39% female and 10% underrepresented minorities.

The academic distinction of NJMS clinical programs, together with its world-class physicians, attracts patients to tertiary specialty services, which include otolaryngology, liver transplant, neurosurgery, ophthalmology, orthopedics, trauma, and cardiology. In FY 2014, 311 full-time clinical faculty covered more than 627,000 patient visits through the NJMS faculty practice. NJMS clinical faculty provide services through their academic departments and collaborate in world-class centers and institutes including the Global Tuberculosis Institute, the Institute for Infection and Inflammatory Disease, the Neurological Institute of New Jersey, and the Craniofacial Center of New Jersey.

In FY 2013 NJMS faculty received a total of \$80,500,000 in extramural awards (\$62,600,000 in direct costs and \$17,900,000 in indirect costs). Of this total, \$44,800,000 was received from NIH (\$31,200,000 in direct costs and \$13,600,000 in indirect funding). Areas of research excellence include inflammation and infectious disease, cardiovascular disease, and neuroscience. NJMS faculty conducting research in these fields frequently publish in high-impact journals, and work from these groups has led to the development and commercialization of novel products for clinical use. Researchers' specific interests range from developing new therapies for autoimmune disease, including multiple sclerosis, to the development of state-of-the-art methods to diagnose infectious agents.

NJMS was one of the first medical schools to receive the Association of American Medical Colleges' Outstanding Community Service Award for its diversity-rich programs. This recognition was based on NJMS' longstanding tradition of programs that benefit the local community, such as the Student Family Health Care Center, the oldest student-run clinic of its type in the nation, which offers free, quality health care to the Newark community, provided by volunteer medical students under the supervision of board-certified faculty; Student Health Advocates for Resources and Education, which facilitates student initiatives in service learning through community health and educational outreach programs and provides opportunities for students to engage in direct patient care, community education and youth mentoring under the guidance of faculty advisors; RESPIRA, which educates both parents and children about the development, triggers, and treatment of asthma, and provides each participating child with an individualized asthma action plan; and the Division of Adolescent and Young Adult Medicine, with expertise in all aspects of the health, development and behavior of adolescents, improving their quality of life. Working with Newark-based initiatives, NJMS has spearheaded efforts including lead poisoning surveillance, immunization, HIV policy, dropout prevention, teenage pregnancy, violence, and LGBT youth social and environmental issues. New Jersey Poison Information and Education System provides

approximately 65,000 consultations annually to New Jersey residents and their clinicians concerning the prevention and treatment of poisonings.

NJMS occupies approximately 1,145,300 gross square feet across six facilities in Newark. Education, research, clinical care, and administrative operations are located in the Medical Science Building, New Jersey Cancer Center, International Center for Public Health and Regional Biocontainment Laboratory, Doctors Office Center, and Behavioral Health Sciences Building, with limited occupancy of the administrative complex buildings. The Medical Science Building was opened in 1976 and the New Jersey Cancer Center in 2009.

### **Robert Wood Johnson Medical School**

Originally founded in 1961 as the two-year Rutgers Medical School, Robert Wood Johnson Medical School (RWJMS) conferred its first medical degrees in June 1974. It now counts nearly 5,400 graduates among its alumni and has 617 full-time, 187 part-time, and 1,554 volunteer faculty members. During its more than 50 years, RWJMS has maintained a commitment to excellence and innovation that is reflected in its core missions of education, research, patient care, and community health. Today, RWJMS encompasses 20 basic science and clinical departments and nearly a half-dozen major institutes, including the Cardiovascular Institute and the Child Health Institute of New Jersey.

RWJMS and Robert Wood Johnson University Hospital, RWJMS' principal teaching hospital, comprise New Jersey's premier academic medical center. In addition, RWJMS has 34 additional hospital affiliates and ambulatory care sites throughout the region.

Robert Wood Johnson Medical Group is the largest multi-specialty physician faculty practice in New Jersey. In FY 2014, the more than 500 physicians received 791,000 patient visits. The practice has a fully functioning electronic medical record system and is focused on patient safety and the provision of quality clinical programs that deliver optimal outcomes for the community. Signature programs include cardiovascular care, trauma, transplantation, and women's and children's health.

RWJMS' current student population includes more than 560 medical students, 127 students pursuing the doctor of philosophy degree in conjunction with the Graduate School of Biomedical Sciences (GSBS), 40 MD/PhD students in a program also offered jointly with Princeton University, and 47 students combined in the MS in clinical and translational science, MS in biomedical science and MBS degree programs with the GSBS, as well as approximately 55 postdoctoral students with GSBS. In addition to these programs, RWJMS offers the following dual degree programs: MD/MPH, jointly with the School of Public Health; MD/JD, with Rutgers School of Law–Camden; and MD/MBA, in conjunction with Rutgers Business School–Newark and New Brunswick. A PharmD/MD program, considered to be the first of its kind in the nation, is available jointly with the Ernest Mario School of Pharmacy. The school also is responsible for the education of more than 450 residents and fellows in more than 45 accredited graduate medical education programs. The medical school's highly successful performance in the National Resident Matching Program averages between 98 and 100 percent matches annually. The fully integrated, interprofessional curriculum is system-based and strives to develop clinically proficient, culturally competent, and humanistic physicians.

RWJMS receives extramural support for research from federal and non-federal sources and has achieved national and international recognition. In FY 2013 RWJMS faculty received a total of \$75,487,052 in extramural awards (\$62,291,543 in direct costs and \$13,195,509 in indirect costs). Of this total, \$31,224,306 was received from NIH (\$23,151,684 in direct costs and \$8,072,622 in indirect funding). Substantial strength exists within cancer, child health, neuroscience, and cell biology research

programs. Among the significant external grant funders, the Robert Wood Johnson Foundation (RWJF) has supported programs in child health, cardiovascular disease, and cancer.

The medical school's Eric B. Chandler Health Center is one of the few federally qualified health centers to be owned and operated jointly by a medical school and community board. The center strives to eliminate barriers to obtaining quality, family-oriented primary and dental health for its diverse, multicultural population by providing comprehensive acute and chronic care to patients of all ages. The center receives 60,000 patient visits annually at its two locations in downtown New Brunswick and satellite location in the New Brunswick High School for students and city residents. Through its numerous outreach and social service activities, the center provides a variety of support services to patients and the community. RWJMS houses the New Brunswick Community Interpreter Project to address the growing need to serve patients who do not speak English as a first language. In addition, RWJMS facilitates student involvement in the greater New Brunswick community through programs such as the Homeless and Indigent Population Health Outreach Project. This initiative, which began in 1992, now involves approximately 300 students and faculty each year.

The RWJMS Office of Global Health offers medical students opportunities to participate in international rotations, providing learning opportunities and the advocacy for medically underserved patient populations.

RWJMS conducts its educational, research, and clinical activities in facilities space totaling more than 1.2 million square feet, including the 221,000 square-foot Clinical Academic Building in New Brunswick, home to outpatient care, research and service laboratories, academic offices, and support programs; the 125,000 square-foot Research Building in Piscataway, which features 27 scientific labs; and the 166,000 square-foot Child Health Institute of New Jersey.

### **Rutgers School of Dental Medicine**

Rutgers School of Dental Medicine (RSDM) was established in 1956 and remains the state's only dental school. It operates New Jersey's largest oral health care system, accommodating more than 150,000 patient visits annually. Its nine academic departments include Community Health, Endodontics, Oral Biology, Oral and Maxillofacial Surgery (OMFS), Orthodontics, Periodontics, Pediatric Dentistry, Orthodontics, and Restorative Dentistry. More than 250 full- and part-time faculty members hold appointments at RSDM, along with more than 100 volunteer faculty members.

RSDM's mission is to improve oral health and quality of life through the education of oral health professionals and scientists, the conduct of research, the promotion of health and disease prevention, and the delivery of oral health care to communities throughout the state and beyond. The school offers a doctor of dental medicine (DMD) degree as well as numerous postdoctoral programs and has an active continuing dental education program. Over 400 students are enrolled in the traditional and internationally trained DMD programs, and more than 100 students are pursuing post-doctoral education. The school offers both a master in dental science (MDS) and master of science in dentistry (MSD). Students can earn postgraduate certificates in endodontics, pediatric dentistry, orthodontics, periodontics, and prosthodontics. Continuing education and fellowship programs are offered in infectious disease, oral medicine, oral and maxillofacial radiology, orthodontics, orofacial pain, and geriatrics (jointly sponsored by the Rowan University School of Osteopathic Medicine). RSDM also hosts general practice and oral surgery residencies. A master's and a PhD in oral biology are jointly offered with the Graduate School of Biomedical Sciences (GSBS). In addition, seven- and eight-year joint degree programs are offered: DMD/MPH with the School of Public Health, DMD/MS biomedical informatics with the School of Health Related Professions, DMD/MS oral biology and DMD/PhD with

GSBS, and OMFS/MD with New Jersey Medical School. The school is the largest provider of care to New Jersey's special needs patient population, who are treated at the Delta Dental of New Jersey Special Care Center on its Newark campus. It is also the largest N.J. provider of Medicaid dental services, drawing patients from all 21 counties and surrounding states. Several thousand state residents also benefit from the school's community service activities, including oral cancer screenings, patient education, and programs for Newark school children who are treated at the Brunnsden-Villa Pediatric Center. In addition to student clinics in Newark, the dental school operates a faculty practice, emergency service, and the University Hospital dental service. The school serves patients with complex medical histories, including infectious diseases, such as hepatitis and HIV/AIDS. RSDM is the largest of only 12 programs nationwide to receive Part F Ryan White Community-Based Dental Partnership Program funding for patients with HIV/AIDS. It also operates a maxillofacial prosthodontics program that develops facial prostheses for patients disfigured by trauma or cancer treatment.

Additional clinical services are provided through the school's statewide network for oral health, which provides services to low-income patients at facilities located in the southern New Jersey communities of Northfield, Galloway Township, and Somerdale, as well as at Matheny Center in Peapack. The network houses the school's community-based dental education program (CODE), a service-learning program for fourth-year students, which is regarded as a national model. In addition, the school has three centers of excellence: the Center for Temporomandibular Disorders & Orofacial Pain; the Ina & Howard Drew Maxillofacial Imaging Center; and the Delta Dental of New Jersey Special Care Center. Faculty also collaborate with University Hospital at the University Craniofacial Center of New Jersey.

Finally, RSDM faculty received a total of \$4,637,922 in extramural awards in FY 2013 (\$3,976,055 in direct costs and \$661,867 in indirect costs). Of this total, \$1,197,027 was received from NIH (\$806,809 in direct costs and \$390,218 in indirect costs). The program emphasizes research involving oral infectious diseases, neurophysiology of pain, and genomics. There are three core centers of research: the Dental Research Center and Center for Oral Infectious Disease, both housed in the Department of Oral Biology, and the Center for Orofacial Pain, housed in the Department of Diagnostic Sciences.

### **Rutgers School of Nursing**

On July 1, 2014, the Rutgers College of Nursing with programs in Newark and New Brunswick and founded in 1957, merged with the Rutgers School of Nursing with programs in Newark, established in 1992, to form the new Rutgers School of Nursing (SON). Merger planning took advantage of the significant commonality of the two programs' educational offerings, community clinical service projects, and ongoing research activities. The unified school effectively and efficiently serves the people of New Jersey and contributes to improving health outcomes through the education and training of nurses and services to communities. The nursing school offers a broad array of academic programs, provides leadership and participates in interprofessional training and practice, and contributes significantly to nursing science and patient care research.

The school occupies 103,300 square feet of space in Ackerson Hall (33,400 sq. ft.) and the Stanley S. Bergen Building (60,000 sq. ft.) in Newark, the 110 Paterson Street building in New Brunswick (9,900 sq. ft.), and other smaller locations throughout the state. Options for additional space in New Brunswick are currently under consideration to meet anticipated expansion needs. The organizational structure is based on SON's academic programs, with three divisions: Entry to Baccalaureate Nursing Practice, Advanced Nursing Practice, and Nursing Science. Although the nursing school's 120 full-time faculty teach across programs, each member has an appointment in one of these three divisions.

The school's educational mission is to prepare highly qualified nurses at all levels of higher education to meet the diverse needs of patients, families, and caregivers across the continuum of care. To achieve this, existing curricula were strengthened and merged into a single educational structure.

Baccalaureate programs include a four-year bachelor of science (BS) in nursing, an accelerated bachelor of science for those with an undergraduate or higher degree in another field, and an online bachelor of science completion program for registered nurses. Master of science in nursing (MSN) degree programs offer specializations in midwifery, nurse anesthesia, community health, leadership, and informatics. The school also offers doctor of nursing practice (DNP) programs for students with a BS in nursing, designed for those who want to practice as an advanced practice nurse and to use evidence-based research in their practice. DNP specialties include pediatrics, adult health/gerontology in primary care or acute care, family, women's health, psychiatric mental health, and family/emergency care. PhD degree programs are available in nursing science, and in urban health systems, an interdisciplinary program offered jointly with New Jersey Institute of Technology and Rutgers University–Newark. SON anticipates that more than 1,800 students will enroll in these programs in 2014-15: 800 undergraduates, nearly 1,000 MSN and DNP students, and about 100 PhD candidates.

The School of Nursing's research mission is focused on improving urban health, improving quality and outcomes of care, and minimizing cost. The school's research programs contribute to the health and well-being of diverse populations, and foster research initiatives that generate, test, and refine disciplinary knowledge and inform health policy at the local, national, and global level. Faculty conduct intervention studies designed to reduce health disparities, enhance patient safety and quality outcomes, promote health and comfort, and reduce suffering. Research programs are conducted largely through seven centers: the Center for Community-Based Participatory Research for Community Health, the Center for Patient Safety and Quality, the Center for Urban Youth and Families, the Center for Urban Health, the François Xavier Bagnoud Center (committed to improving the health of vulnerable women, children, youth and families—including those infected/affected by HIV—and building capacity in the communities and systems that serve them), the Northeast Institute for Evidence Synthesis and Translation, and the Workforce Collaborating Center for Nursing. SON received a total of \$44,812,320 in extramural awards in FY 2013 (\$44,362,462 in direct costs and \$449,859 in indirect costs). (These numbers represent combined awards received by the then College of Nursing and School of Nursing.) No funding was received from NIH. Grants and contracts were received from the federal government (the Health Resources and Services Administration (HRSA) and the Centers for Disease Control and Prevention (CDC)), State of New Jersey agencies, and foundations.

The service mission focuses on providing clinical services for local communities, service-learning for students, as well as consultation to state government and health care institutions. SON delivers clinical care through the FOCUS Wellness Center, an interprofessional practice model providing primary and behavioral health services in Newark; the New Jersey Children's Health Project mobile van that visits public housing facilities on a weekly basis; the Jordan and Harris Community Health Center, which provides comprehensive, coordinated, primary healthcare services to over 3,000 public housing residents; an HIV/AIDS primary care clinic in Newark; training community health workers (promotores) in New Brunswick; and health fairs and other community activities.

### **School of Health Related Professions**

Established in 1976 as the School of Allied Health Professions, the School of Health Related Professions (SHRP) took its current name in 1981. SHRP's mission is to improve the quality of health care for the people of New Jersey and beyond, through innovative academic programs, applied research and scholarship, and community service. These programs are led by the school's nearly 600 faculty members. SHRP's major focus is education with an emphasis on humanism, an approach to

health care that focuses on patient-centered and practitioner/patient relationship-centered care in contrast to case or disease-centered care. It is an interdisciplinary/interprofessional approach to care that places an emphasis on mutual respect and sensitivity to values, autonomy, and cultural and ethnic backgrounds of others. It also places an emphasis on community and population health rather than just the individual, and on prevention as well as treatment.

SHRP graduates are prepared with the knowledge, skills, and intellectual maturity necessary to become progressive, innovative, and inter-professional practitioners and leaders in a dynamic healthcare environment. SHRP enrolls more than 1,700 students in 41 academic programs, 19 of which are offered at the graduate level and 22 at the undergraduate or certificate level. At the graduate level, there are seven doctoral programs (PhD in biomedical informatics, PhD in health sciences, PhD in psychiatric rehabilitation, doctor of clinical nutrition, doctor of clinical laboratory sciences, and two entry level doctor of physical therapy programs), ten master of science programs (master of science in biomedical informatics, clinical laboratory science, clinical nutrition, clinical trial sciences, health sciences, health care management, physician assistant, psychiatric rehabilitation, rehabilitation counseling, and radiologist assistant), and two graduate certificates (dietetic internship and health care informatics). At the undergraduate level there are seven bachelor of science degree programs (health sciences, allied health technologies, clinical laboratory sciences, health information management, medical imaging sciences, nutrition and dietetics, and psychiatric rehabilitation and psychology), five associate degree programs (dental hygiene, psychosocial rehabilitation, respiratory care, respiratory therapy, and occupational therapy assistant), and 10 certificate programs (cardiac sonography, cytotechnology, dental assisting, diagnostic imaging technologies, diagnostic medical sonography, dietary management, medical coding, medical laboratory science, nuclear medicine technology, and vascular sonography).

SHRP enrolls students from every county in New Jersey, 43 states, and countries around the world. SHRP has a rich student body highly diverse in age, ethnicity, race, professional backgrounds, and disabilities. One third of the student population is a member of an underrepresented minority. SHRP is the predominant or only education program in New Jersey for many of the allied health professions. In order to meet the needs of students statewide, programs are offered on the Newark, Piscataway, Scotch Plains, and Stratford campuses, as well as through the Internet. SHRP has been an institutional leader in leveraging technology to offer an extensive distance education program, expanding educational opportunities for students throughout New Jersey and beyond.

SHRP partners with 37 colleges and universities to offer joint degrees, and over 600 clinical sites across the country to educate students in certificate, associate, bachelor's, and clinical doctoral degree programs. The model of general education at the partner school, and professional education at SHRP, promotes quality higher education in a cost effective manner. In addition, the SHRP Health Science Careers program partners with 52 New Jersey high schools to provide college-level health sciences courses for college level credits for approximately 2,500 students each year.

SHRP provides clinical services to underserved populations in the areas of dental health, physical, occupational, and mental health rehabilitation. SHRP manages a large occupational and physical therapy practice that services K-12 public school students in greater Newark. The Integrated Employment Institute successfully improves employment skills and employment of those individuals with psychiatric illness. SHRP allied dental faculty treat patients in Scotch Plains at the SHRP dental hygiene clinic. The *LiftUp* worksite wellness program provides 12 weeks of nutrition intervention and then follow-up at 26 weeks and two years for Rutgers employees. The program is sponsored by SHRP as part of its support for wellness.

Research strengths exist in complementary and alternative medicine, nutrition and wellness, rehabilitation and movement science, employment and education interventions for persons with serious mental illness, comparative effectiveness, and biomedical informatics research. SHRP faculty received a total of \$7,039,904 in extramural awards in FY 2013 (\$6,791,885 in direct costs and \$248,019 in indirect costs). Of this total, \$497,374 was received from NIH (\$391,130 in direct costs and \$106,244 in indirect costs).

### **School of Public Health**

The School of Public Health (SPH) has its roots in an accredited graduate program in public health that began in 1983 at the Robert Wood Johnson Medical School (RWJMS) in New Brunswick. Accreditation as a School of Public Health was received in 2001 with new teaching programs added in Newark and Stratford. By spring 2014, the students were distributed 65%, 30%, and 5% among the three locations, respectively. Teaching in Newark is conducted predominantly by faculty from New Jersey Medical School, the Rutgers School of Dental Medicine, and the School of Public Affairs and Administration at Rutgers University–Newark.

The School of Public Health's mission is to improve health and prevent disease in diverse populations in New Jersey and around the world through educating future public health leaders, researchers and practitioners; conducting research to advance public health science and policies; and providing service programs that promote population and individual health.

Ninety-eight faculty members have primary SPH appointments (36 full-time, 9 part-time, 37 per diem, and 16 assigned to the New Jersey Department of Health), 77 affiliated faculty members have primary appointments elsewhere at Rutgers, and 45 faculty members are voluntary. Departments on the New Brunswick campus include Biostatistics, Environmental and Occupational Health, Epidemiology, Health Education and Behavioral Science, and Health Systems and Policy. Departments based in Newark are Dental Public Health, Quantitative Methods (Epidemiology and Biostatistics), and Urban Health Administration. Health Systems and Policy is the only concentration available on the Stratford campus. Nine interdisciplinary centers and institutes enable faculty and students to become involved with a diversity of investigators, departments, and schools at Rutgers: Center for Global Public Health, Center for Health Economics and Health Policy, Center for School and Community-Based Research and Education, Center for Tobacco Studies, Community Living Project Education, Institute for the Elimination of Health Disparities, New Jersey Center for Public Health Preparedness, Office of Public Health Practice, and Tobacco Dependence Program (in collaboration with RWJMS and the Rutgers Cancer Institute of New Jersey). Faculty also collaborate with the Institute for Health, Health Care Policy and Aging Research; the Environmental and Occupational Health Sciences Institute; and the Rutgers Cancer Institute of New Jersey.

SPH offers postbaccalaureate certificates and the following academic degrees: master of public health (MPH), master of science in biostatistics (biostatistics and pharmaceutical biostatistics concentrations), master of science in health outcomes, policy and economics (joint degree with Ernest Mario School of Pharmacy), doctor of public health (DrPH), and PhD in public health. Dual degree programs include: MD/MPH, DO/MPH, DMD/MPH, MS/MPH, PharmD/MPH, MPH/MBA, JD/MPH, MPH/MSPA (physician assistant), and MPH/MS in biomedical informatics. Articulated degree programs include the BA/MPH and BS/MPH and are offered jointly with all RU–New Brunswick undergraduate schools, Richard Stockton College of New Jersey, and William Paterson University of New Jersey. Total student enrollment is 363 (296 in MPH and MS degree programs, 67 in PhD and DrPH degree programs). Twenty-eight percent of students are members of underrepresented minorities; 70% are women. The

school also conducts an extensive program of one- to four-day trainings for hazardous waste workers, workers in the construction trades, and the public health workforce.

SPH research includes programs in biostatistics (cancer, environmental issues, primary care, and methods to improve efficiency of phase 1 and phase 2 trials), epidemiology (health disparities, social epidemiology, maternal and child health, and outcomes research), health policy (health care reform, national medical expenditures, and effect of nurse staffing levels on health outcomes), health education (tobacco issues, implementation of cell phone surveys, hazardous waste worker training), and environmental and occupational health (air pollution). SPH faculty received a total of \$7,801,857 in extramural awards in FY 2013 (\$6,765,624 in direct costs and \$1,036,233 in indirect costs). Of this total, \$2,965,289 was received from NIH (\$2,497,781 in direct costs and \$467,508 in indirect costs).

## **RBHS CENTERS AND INSTITUTES**

### **Rutgers Cancer Institute of New Jersey**

As New Jersey's only National Cancer Institute (NCI)-designated Comprehensive Cancer Center, the Rutgers Cancer Institute of New Jersey is dedicated to improving the prevention, detection, treatment, and care of patients with cancer through the transformation of laboratory discoveries into clinical practice. The Cancer Institute delivers advanced comprehensive care to adults and children, including access to clinical trials; conducts cutting-edge cancer research; and provides outreach and education regarding cancer prevention, detection, and treatment. Cancer Institute faculty received a total of \$93,812,179 in extramural awards in FY 2013 (\$69,152,111 in direct costs and \$24,660,068 in indirect costs). Of this total, \$74,572,551 was received from NIH (\$53,387,245 in direct costs and \$21,185,306 in indirect costs).

The coveted NCI comprehensive designation, awarded to only 41 such centers nationwide, is granted competitively to institutions characterized by scientific excellence and the ability to bring research discoveries to patients. To gain a "comprehensive" designation, NCI's highest ranking, a center must meet rigorous criteria in cancer care, research, prevention and education. NCI-designated centers such as the Cancer Institute are the centerpiece of the nation's effort to reduce disability and death from cancer and are heralded as providing great value to any state committed enough to obtain and maintain such an institution. An NCI-designated center brings value to a state and its citizens through opportunities, prestige, resources, and funding not otherwise available.

The institute manages more than 100,000 patient visits per year and approximately 250 clinical trials at its 225,000 square-foot facility in New Brunswick and, along with its statewide network of hospitals, cares for more than one-third of New Jersey's cancer patients. A dedicated team of nationally renowned specialists, including medical oncologists, surgical oncologists, radiation oncologists, social workers, and nurses, identify and meet the needs of the individual patient. An academic physician who is an expert in the cause and treatment of that disease leads each multidisciplinary team.

The Cancer Institute research programs and core facilities enhance and support the cancer research of over 200 members and collaborators from multiple schools at Rutgers University, Princeton University, and the Institute for Advanced Study in Princeton. Current research programs/initiatives include precision medicine, population science, systems biology, oncogenesis, tumor virology and immunology, autophagy, drug development and resistance, the relationship between cellular and genetic alterations and tumor development, cancer control and prevention, bioinformatics, and cancer genomics. Basic scientists, clinical researchers, and population scientists meet regularly to exchange information and ensure that laboratory discoveries are refined and applied to clinical care as quickly as possible, that

clinical observations reach laboratory researchers on a continuing basis, and that prevention strategies are interwoven into all research programs.

Educational programs include formal training programs, seminars, and educational events targeted to faculty, postdoctoral and predoctoral fellows, and undergraduate and high school students. The institute offers a residency training program in radiation oncology as well as fellowship training in hematology/oncology and surgical breast cancer. The institute's oncology nursing education program provides a wide variety of continuing education program for cancer nurses throughout New Jersey. In addition, the Cancer Institute hosts two educational forums annually: the Annual Retreat on Cancer Research, which attracts scientists throughout New Jersey, and the Governor's Conference on Effective Partnering in Cancer Research, which attracts an international audience of cancer research leaders.

### **Center for Advanced Biotechnology and Medicine**

The Center for Advanced Biotechnology and Medicine (CABM) was founded in 1985 and designated by the New Jersey Commission on Science and Technology as a New Jersey Advanced Technology Center. CABM is located on the Busch Campus in Piscataway in a 100,000 square-foot building completed in 1990. Its mission is to make fundamental discoveries in biomedical research, develop new technologies, and translate these to improve human health.

CABM has 14 faculty members who hold academic appointments in departments within the Robert Wood Johnson Medical School, the School of Arts and Sciences (SAS), and the Ernest Mario School of Pharmacy. Many CABM faculty members are also members of the Rutgers Cancer Institute of New Jersey and non-resident members of the Rutgers Center for Integrative Proteomics Research. Several CABM faculty members also hold administrative leadership positions.

Interdisciplinary research at CABM is aimed at discovery and characterization of potential therapeutic targets with projects focused in the areas of infectious disease, neurodevelopmental/neurodegenerative disorders, and cancer. Infectious disease programs advance development of new drugs to combat drug-resistance in HIV, and characterize new targets for hepatitis C drugs, anti-influenza therapeutics, and antibiotics effective against drug-resistant pathogenic bacteria. Programs in neurodevelopment and neurodegeneration focus on a newly discovered autism susceptibility gene and an enzyme replacement treatment for Batten Disease, a fatal hereditary childhood neurodegenerative disorder. It also examines key steps in retinal development, and mechanisms of regulation of circadian clocks. Cancer programs focus on regulatory mechanisms and metastasis in breast cancer, combination therapies for lymphoma, and structural characterization of novel therapeutic targets identified in networks of proteins associated with cancer. Advanced technologies are central to these projects. CABM faculty established and direct core facilities and share equipment including a biological mass spectrometry facility, an X-ray crystallography laboratory, an NMR Laboratory, and a protein production and structural proteomics core. Many projects are conducted collaboratively between CABM investigators and with investigators throughout Rutgers. CABM faculty received a total of \$15,417,732 in extramural awards in FY 2013 (\$11,563,526 in direct costs and \$3,854,206 in indirect costs). Of this total, \$14,355,215 was received from NIH (\$10,640,109 in direct costs and \$3,715,106 in indirect costs).

CABM faculty members are active in classroom and laboratory teaching. Trainees include undergraduate and graduate students from many different programs, medical students, postdoctoral fellows, and visiting faculty scholars. The National Institute of General Medical Sciences-funded Biotechnology Training Program for PhD students, co-established and co-directed with the Rutgers School of Engineering's Department of Biomedical Engineering, is now in its 23rd year of support and is

Rutgers' longest running NIH training program. CABM also hosts a summer undergraduate research experience and a summer program for students from Jiangnan University, China.

CABM initiatives with biotechnology and pharmaceutical industry partners are central to its mission. CABM has spawned two biotechnology companies. Prodaptics Pharmaceuticals, Inc., established in 2011, pursues therapies targeting flu virus. Nexomics Biosciences, established in 2008, uses licensed technologies developed at CABM for protein production and structure determination to enable drug discovery and development by client biotechnology and pharmaceutical companies. Other collaborations include partnerships with BioMarin Pharmaceuticals to develop a therapy to treat Batten disease, a fatal neurodegenerative disorder, and with Avatar Biotechnologies LLC, Gilead Sciences, GlaxoSmithKline, and Novartis to develop vaccines and therapies against the hepatitis C virus.

### **Environmental and Occupational Health Sciences Institute**

The Environmental and Occupational Health Sciences Institute (EOHHSI) was established in 1986 in response to the serious environmental and occupational issues facing residents of New Jersey and the nation. EOHHSI's major objectives are to advance the understanding of mechanisms by which environmental and occupational chemical exposures impact human health; identify and measure human environmental and occupational chemical exposure; treat patients adversely affected by chemical exposures; develop educational tools describing the health risks of chemical exposures; contribute to public policies related to environmental and occupational chemical risks; and offer graduate educational programs for training the next generation of environmental health professionals. EOHHSI's 78,000 square-foot building on the Busch Campus houses research laboratories for 22 resident scientists. EOHHSI faculty received a total of \$14,159,101 in extramural awards in FY 2013 (\$11,284,665 in direct costs and \$2,874,436 in indirect costs). Of this total, \$9,046,652 was received from NIH (\$7,468,209 in direct costs and \$1,578,443 in indirect costs).

EOHHSI is an international resource that supports basic science, clinical, and translational research in environmental health sciences, occupational medicine, exposure assessment, and toxicology. The institute also fosters numerous programs in environmental health education, public policy, and graduate education. Members serve as sources of expertise to help solve environmental problems for communities, employers, and government agencies in all areas of occupational and environmental health. The institute's members serve as advisors to international, national, state, and local organizations on issues concerning environmental exposures and human health.

EOHHSI is home to several research divisions, centers, and core facilities. EOHHSI's four main divisions are: Clinical Research and Occupational Medicine, Environmental Epidemiology and Statistics, Exposure Science, and Toxicology. Its long-term multidisciplinary centers serve to foster collaborative research within RBHS and across all of Rutgers: the National Institute of Environmental Health Sciences (NIEHS) Center for Environmental Exposures and Disease (CEED), the EOHHSI Clinical Center, the Counter ACT Research Center of Excellence, the Ozone Research Center, the Center for Exposure and Risk Modeling, and the Federal Aviation Administration Center of Excellence. Its core laboratory facilities include: the Bionomics Research and Technology Center, the Chemical Analytical Core Laboratory, the Controlled Exposure Facilities Core Laboratory, the Computational Chemodynamics Core Laboratory, and the Analytical Cytometry/Image Analysis Shared Resource Core.

EOHHSI supports three graduate education programs. The joint graduate program in toxicology, administered by the pharmacy school and RWJMS, provides advanced training in mechanistic toxicology, offering research tracks in molecular toxicology, biochemical toxicology, neurotoxicology,

and environmental toxicology. MS and PhD degrees are offered by both GSNB and GSBS. The program has been supported continuously by an NIEHS training grant for more than 25 years.

The graduate program in exposure science offers a doctoral degree specific to the human aspects of environmental science. In 2011, it received the first training grant in exposure science to be awarded by the NIEHS. The residency training program in environmental and occupational medicine focuses on the recognition and prevention of adverse health conditions associated with patient exposures encountered in home, community and workplace environments. Residents evaluate patients in EOHSI's on-site clinical center. The residency program leads to board eligibility in environmental and occupational medicine.

EOHSI's clinical center is designed to meet the environmental and occupational health needs of New Jersey's work force. It also serves as the employee health center for the Robert Wood Johnson Medical School (RWJMS). The clinical center employs occupational physicians, nurses, psychologists, social workers, and industrial hygienists. In 2012, the EOHSI clinical center accommodated approximately 6,500 clinical visits, including approximately 500 research subjects and over 4,500 employee health visits. Additionally, the clinical center's World Trade Center (WTC) Medical Monitoring and Treatment Program, funded by the National Institute for Occupational Safety and Health, provided ongoing monitoring examinations to 784 WTC responders in the treatment program.

EOHSI collaborates extensively throughout the university and the State of New Jersey, as well as nationally and internationally. EOHSI has established ongoing interdisciplinary collaborative research projects with multiple investigators from the School of Environmental and Biological Sciences, the School of Public Health, the Ernest Mario School of Pharmacy, and RWJMS. EOHSI's research partners also include agencies of local and federal government, including the New Jersey Department of Health and Senior Services, the New Jersey Department of Environmental Protection, NIH, the U.S. Environmental Protection Agency, and various research foundations.

The institute's major accomplishments include unraveling the mechanistic understanding of how a variety of chemical toxicants behave in the real world. This understanding has allowed EOHSI to provide pivotal input into the development of local and national environmental regulations and policies.

### **Institute for Health, Health Care Policy and Aging Research**

Established in 1985 by founding director David Mechanic, one of the world's most eminent medical sociologists, the Institute for Health, Health Care Policy and Aging Research facilitates excellence in health research with collaborations among the social and behavioral sciences, clinical disciplines, basic sciences, and related fields to promote studies on critical health and mental health issues. The institute brings together scholars across and beyond Rutgers into a vibrant interdisciplinary network that advances high quality research in five core areas: behavioral health, health economics, social aspects of health and illness, state health policy, and health services research. The institute's 38 core faculty and 18 associate members have generated award-winning scholarship with coveted fellowships from the Guggenheim Foundation, Russell Sage Foundation, Center for Advanced Study in the Behavioral Sciences, and the National Endowment for the Humanities. Six faculty members have been elected to the Institute of Medicine (IOM) of the National Academy of Sciences (NAS). In 2013 associate member and historian Julie Livingston and affiliated researcher and physician Jeffrey Brenner won MacArthur Fellowships for their work in public health and health care.

The institute's new 57,000 square-foot, state-of-the-art, custom-designed academic and research building with clinical/behavioral research space, located in downtown New Brunswick, houses its three related divisions: Division on Health, Division on Health Policy and Division on Aging. Several notable

research centers exist within the institute, including the Center for State Health Policy; the Center for the Study of Health Beliefs and Behavior; the Center for Health Services Research on Pharmacotherapy, Chronic Disease Management and Outcomes; and the Center for Behavioral Health Services and Criminal Justice Research, whose offices are located on the Douglass Campus. Faculty members hold research and training grants funded by the NIH, Agency for Healthcare Research and Quality (AHRQ), Center for Medicare and Medicaid Innovation, National Science Foundation (NSF), the Robert Wood Johnson Foundation (RWJF), Nicholson Foundation, and other major funding organizations. Institute faculty received a total of \$12,570,423 in extramural awards in FY 2013 (\$10,535,809 in direct costs and \$2,034,614 in indirect costs). Of this total, \$2,175,660 was received from NIH (\$1,617,967 in direct costs and \$557,693 in indirect costs). Beginning in January 2015, IFH will be the home of *Journal of Gerontology: Social Sciences*, a leading journal in health and aging.

While the principal mission of the Institute for Health, Health Care Policy and Aging Research is conducting research, faculty also are actively involved in developing future scholars through education and training programs and mentoring for postdoctoral trainees and graduate and undergraduate students. In academic year 2013–14, faculty provided training to six postdoctoral trainees, 102 graduate students were involved in research projects and/or mentored by faculty, and 105 undergraduates were involved in research projects and/or mentored by faculty. Major educational programs include Project L/EARN, an intensive summer research training internship for undergraduates from groups underrepresented in graduate schools and health research careers. Institute faculty members have led a National Institute of Mental Health-funded postdoctoral training program in mental health services research for 35 years. Faculty serve as mentors and advisers to postdoctoral trainees, doctoral students and undergraduates involved in health research and teach department-based courses in health, including a health and society program in the School of Arts and Sciences (SAS) Department of Sociology that is available as a minor to undergraduates. Several RBHS and SAS faculty members have been involved in establishing an interdisciplinary major that combines the medical humanities/women and health/health and society in SAS. A national program office of RWJF, the New Jersey Health Initiatives Program, located at Rutgers University–Camden, funds a wide range of innovative community-based service implementation projects throughout New Jersey.

## **RBHS BEHAVIORAL HEALTH CARE NETWORK**

### **University Behavioral Health Care**

University Behavioral Health Care (UBHC), established in 1971, offers a full continuum of academic-based, behavioral health and addiction services for children, adolescents, adults, and seniors throughout New Jersey. UBHC's 1,139 behavioral health professionals and support staff are dedicated to excellence and committed to being a leader in the delivery of effective, compassionate, and accessible care that is enhanced by research.

UBHC, one of the largest providers of behavioral health care in the country, operates with a \$241 million budget and 15 sites throughout New Jersey, with primary locations in Piscataway and Newark. Services are readily accessible and include: inpatient, outpatient, partial hospitalization, screening, crisis stabilization, family/caregiver support, community outreach and case management, supportive housing, supported employment, prevention and consultation, employee assistance programs, and a licensed therapeutic school from preschool through high school. Specialty services include the New Jersey suicide prevention helpline and peer helplines for police, veterans, active military, teachers, and mothers of special needs children. In FY 2013, UBHC treated 12,309 patients and touched the lives of tens of thousands through peer support, training, and educational initiatives. UBHC is the primary

mental health training resource for the New Jersey Departments of Human Services, Children and Families, and Corrections.

In 2005, UBHC established University Correctional Health Care (UCHC). Through intrastate agency agreements, UCHC's 400 mental health professionals provide mental health- and sex offender-specific treatment services to the inmates, residents, and parolees of the New Jersey Department of Corrections (NJDOC), the Juvenile Justice Commission (JJC), and the State Parole Board (SPB). In October 2008, 650 additional health care staff joined UCHC as UCHC assumed responsibility for all medical and dental services provided to the NJDOC inmate population. In January 2011, another 50 health care staff joined UCHC as it assumed responsibility for all medical services provided to the JJC resident population. These 1,100 employees, included in the total of UBHC staff identified above, provide services for 23,000 inmates in 13 adult correctional facilities, 500 residents in the 15 JJC locations, and 800 individuals in the 10 State Parole Board offices. UCHC has a budget of \$157 million, included in the UBHC budget total above, and has achieved national recognition as a model for the advancement of physical and mental health services delivery within a criminal justice system.

UBHC provides training to medical students, residents, fellows, social work students, and psychology interns. Annually, UBHC supports the education of 19 psychiatric residents and fellows, including two forensic fellows; 13 psychology interns, including four forensic placements, all sponsored by American Psychological Association-accredited programs; and 10 social work interns.

UBHS received a total of \$856,670 in extramural awards in FY 2013 (\$671,821 in direct costs and \$184,849 in indirect costs). Of this total, \$535,069 was received from NIH (\$374,042 in direct costs and \$161,027 in indirect costs). These figures do not include funding received for clinical services from external sources.