

A photograph of a woman with dark hair pulled back, wearing a black top and a necklace, kissing a young girl on the cheek. The girl has her hair in a bun and is wearing a pink and white patterned top. They are in a brightly lit room with a window in the background.

# Duke Medicine at a Glance

Facts & Figures 2011



The youngest of the nation's leading medical institutions, Duke Medicine has grown since its opening in 1930 from a regional hospital, medical school, and nursing school into one of the country's leading clinical and biomedical research enterprises.

Today, Duke Medicine is a world-class academic health care system that is transforming medicine and improving lives around the globe.

---

Statistics presented in this booklet are from fiscal year 2010 unless otherwise noted.

## Duke Medicine Includes...

Duke Medicine conceptually integrates the Duke University Health System, the Duke University School of Medicine, and the Duke University School of Nursing. It is the total combination of research, education, and patient-care efforts that take place at many sites across the Duke health enterprise. The home base of Duke Medicine is Duke University Medical Center, a 210-acre campus located at Duke University in Durham, North Carolina.

### EDUCATION

#### Duke University School of Medicine

- Doctor of Medicine (MD) degree program; graduate and continuing medical education programs
- PhD programs in the basic sciences
- Physician assistant, physical therapist, master of health sciences, and clinical certificate programs
- Clinical and basic-science academic departments, research programs, and institutes

#### Duke University School of Nursing

- Bachelor's- and master's-degree nursing education programs
- Doctor of Nursing Practice (DNP) clinical leadership program
- PhD program in nursing science
- Nursing research programs and institutes

#### Duke-NUS Graduate Medical School\*

\*A partnership with the National University of Singapore

### RESEARCH

### PATIENT CARE

#### Duke University Health System

- Duke University Hospital
- Durham Regional Hospital
- Duke Raleigh Hospital
- Duke Health & Wellness
- Duke HomeCare & Hospice
- Duke Primary Care
- DUHS Clinical Labs
- DUHS Corporate Services
- Patient Revenue Management Organization

#### Private Diagnostic Clinic PLLC\*

\*Independent faculty practice

“Duke Medicine embraces all aspects of medicine from academics to research to patient care. The synergy of this alignment, of all these remarkable people coming together, is phenomenal. It’s a place with a special promise to be a leader of health care transformation in the world.”

—VICTOR J. DZAU, MD  
CHANCELLOR FOR HEALTH AFFAIRS, DUKE UNIVERSITY  
PRESIDENT AND CHIEF EXECUTIVE OFFICER,  
DUKE UNIVERSITY HEALTH SYSTEM

### DUKE MEDICINE BY THE NUMBERS

- Annual operating revenue, Duke Medicine (unaudited): **\$3.3 billion**
- Medical Center campus size: **96** buildings located on **210** acres
- Employees (full-time): **14,400** within Duke University Health System, **709** in the Private Diagnostic Clinic, and **8,624** in the academic Duke University Medical Center (including **1,758** medical school faculty in clinical departments and **204** in basic science departments, and **62** nursing school faculty).

## Patient Care

Duke offers every level of health service, from prevention and primary care to the most sophisticated specialty services, at locations throughout central North Carolina and beyond. Because of Duke's leadership in biomedical research, Duke caregivers can offer patients access to the newest therapies—bringing the benefits of the latest research directly to the bedside. Patient care at Duke is also distinguished by a multidisciplinary, patient-centered approach.

### Duke University Hospital

*6,643 employees, 1,437 MDs on medical staff  
38,205 patients admitted in FY2010*

A teaching and research hospital, the 943-bed Duke University Hospital provides comprehensive tertiary and quaternary care services, with a regional emergency/trauma center; a major surgery suite containing 35 operating rooms; an endosurgery center; the Duke Children's Hospital & Health Center; the Duke Ambulatory Surgery Center; the Duke Eye Center; and extensive diagnostic and interventional radiology facilities.



### Durham Regional Hospital

*1,960 employees, 689 MDs on medical staff  
15,907 patients admitted in FY2010*

Serving Durham, Orange, Person, and Granville Counties and surrounding communities, this 369-bed hospital offers comprehensive acute-care services including orthopaedics, weight-loss surgery, women's services, and heart and vascular services, as well as services at Durham Rehabilitation Institute and Davis Ambulatory Surgical Center.

### Duke Raleigh Hospital

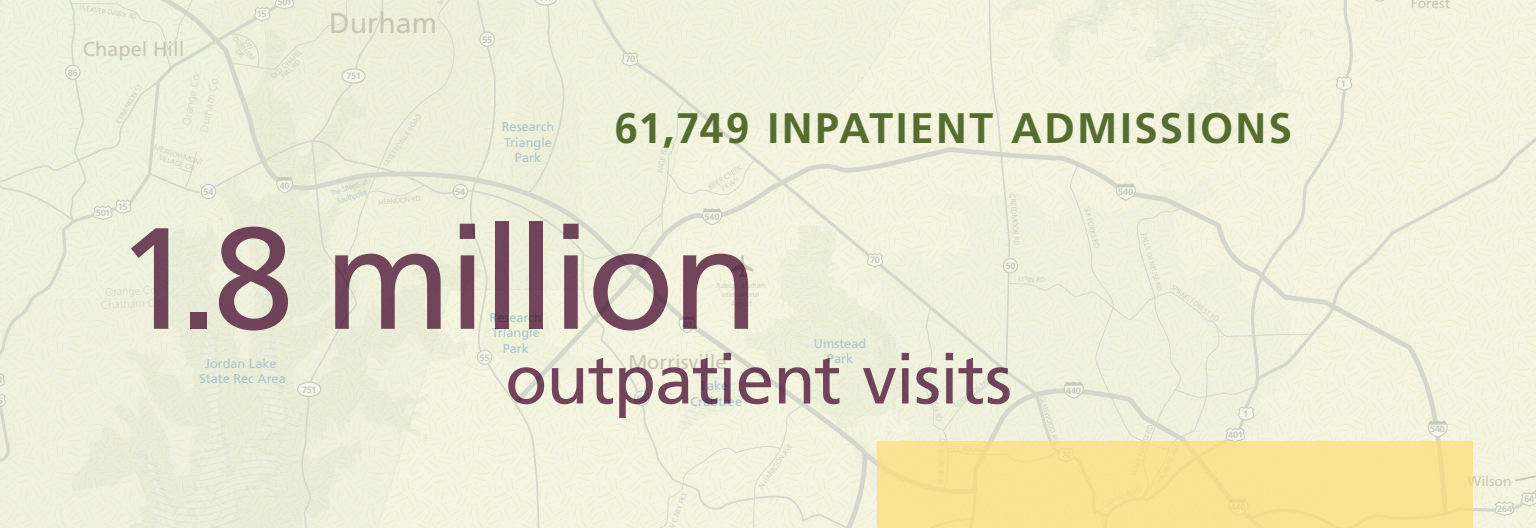
*1,292 employees, 536 MDs on medical staff  
7,041 patients admitted in FY2010*

Located in North Raleigh, this 186-bed hospital serves residents of Wake and surrounding counties, with specialty programs including the Duke Raleigh Cancer Center, Cardiovascular Center, Orthopaedic and Spine Center, Wound Healing Center, neurosciences services, and more.

### Duke HomeCare & Hospice

*249 employees  
596 inpatient admissions and 107,107 patient encounters in FY2010*

Duke HomeCare & Hospice offers hospice and home health services in central North Carolina, and home infusion services to patients in North Carolina, South Carolina, and Virginia. Hospice care is offered to terminally ill patients in their home, skilled-nursing facilities, assisted-living facilities, and at two inpatient facilities. Home health services are available to patients who are homebound and in need of nursing services, physical therapy, speech therapy, or occupational therapy.



61,749 INPATIENT ADMISSIONS

1.8 million  
outpatient visits

### Duke Primary Care

506 employees, 140 providers  
467,877 patient encounters in FY2010

Duke Primary Care is an extensive network of physicians, physician assistants, and nurse practitioners providing community-based primary and urgent care services at 24 locations in seven North Carolina counties.

### Duke Health & Wellness

67 employees  
130,827 patient encounters in FY2010

Duke Health & Wellness includes the Duke Diet & Fitness Center; medically based fitness, wellness, and rehabilitation programs at the Duke Health & Fitness Center; and Duke Integrative Medicine, blending advanced medical practice and research with proven complementary therapies.

### Private Diagnostic Clinic

1,224 Duke faculty physicians

While not a formal member of the health system, an affiliated partner in providing care is the Private Diagnostic Clinic PLLC—an independent, for-profit limited liability company through which Duke faculty physicians practice medicine at clinics on the Duke campus and in communities in North Carolina and southern Virginia.

### Affiliated Programs

Through the Duke Heart Network, Duke Oncology Network, Duke Neonatology Network, Duke Infection Control Outreach Network, and Duke/LifePoint partnership, Duke Medicine has established clinical and research collaborations with dozens of community hospitals to benefit patients throughout the Southeast.

### PATIENT CARE FACTS & STATS

Duke University Health System, FY2010

- Duke University Medical Center consistently ranks **among the top 10** on the *U.S. News & World Report* honor roll of “America’s Best Hospitals.”
- All Duke hospitals have received **Magnet recognition for excellence in nursing** by the American Nurses Credentialing Center. **Only 5 percent of the nation’s hospitals** have earned this recognition.
- For the 10th year running, Triangle residents rated Duke University Medical Center the **best-quality hospital** in the area—earning Duke a 2009-2010 Consumer Choice Award from the National Research Corporation.
- Inpatient admissions: **61,749**
- Outpatient visits: **1,811,955**
- Number of surgical procedures, including endoscopy: **85,512**

“Patients come to us at the most vulnerable times of their lives. When they walk into a Duke facility, they expect the very best, and it’s our responsibility to deliver that.”

—WILLIAM J. FULKERSON JR., MD  
EXECUTIVE VICE PRESIDENT,  
DUKE UNIVERSITY HEALTH SYSTEM

## Research

Research is a cornerstone of Duke's renown as one of the world's leading medical institutions. Here, basic scientists and clinician–researchers work side by side to advance scientific knowledge and translate new discoveries into improvements in clinical care. Multidisciplinary research is promoted through cross-campus institutes and centers focused on vaccine development, genomics, global health, brain sciences, metabolism and nutrition, eye diseases, bioethics, integrative medicine, and other fields, as well as through the Duke Translational Medicine Institute, launched in 2006 to strengthen and streamline the overarching continuum between scientific discovery, clinical research, care delivery, and global health.

Some highlights of Duke Medicine research:

**Aging:** Duke is home to the nation's oldest continuously funded center on aging research, which has conducted pioneering longitudinal studies on aging and generated groundbreaking approaches to assessing and fighting functional decline in the elderly. A new Biology of Aging initiative brings together scientists working to understand the molecular events that lead to aging with a long-term goal of increasing the quality of later life.

**Cancer:** Among the top National Cancer Institute-designated comprehensive cancer centers in peer-reviewed research support, Duke Cancer Institute is known for designing innovative therapies using bone-marrow and stem-cell transplantation; uncovering genetic and environmental cancer causes; developing novel immunotherapies; refining treatment of brain tumors, melanoma, lung cancer, breast and ovarian cancer, and prostate cancer; and advancing health services, palliative care, and survivorship research.

**Cardiovascular disease:** Home to the world's largest repository of cardiovascular outcomes data, Duke has conducted many of the leading studies on factors underlying heart disease and trials of new treatments for heart disease, and generated evidence-based treatment recommendations that have become standards of practice nationwide.

**Cellular and molecular biology:** Duke scientists have contributed to fundamental discoveries in cell and molecular biology, laying the groundwork for new treatments and preventive therapies. For instance, Duke is internationally known for

pioneering contributions to the understanding of cell receptors—findings that have dramatically changed the way in which new drugs for diseases such as hypertension, congestive heart failure, and asthma are designed and tested.

**Genetics and genomics:** A leader in the field of human genetics, Duke has helped identify genetic links to diseases such as breast cancer, cardiovascular disease, macular degeneration, obesity, and other conditions, opening new possibilities for prevention and treatment. Duke is also home to the Institute for Genome Sciences & Policy, a university-wide collaboration dedicated to advancing genome science and addressing its broad implications for society.

**Infectious diseases:** Duke is an international leader in the effort to develop drugs, diagnostic tools, and vaccines to combat emerging infectious diseases such as tuberculosis, malaria, pandemic flu, and HIV. Duke also leads two major consortia of the Global HIV Vaccine Enterprise: the \$300-million Center for HIV/AIDS Vaccine Immunology, established by the NIH, and the Gates Foundation's Collaboration for AIDS Vaccine Discovery.

**Neurosciences:** Duke neurosciences researchers have advanced the understanding of Alzheimer's disease and stroke, designed novel brain–machine interfaces that represent an early step toward restoring mobility to the paralyzed, and shed new light on the mechanics of human learning and memory, among other achievements.

# \$682 million

in sponsored research

“Duke is clearly a world leader in clinical research, and that combined with our tremendous basic science research base puts Duke in a special position for moving scientific discoveries from the laboratory to where they can really make a difference in human health.”

—NANCY ANDREWS, MD, PhD  
DEAN, DUKE UNIVERSITY SCHOOL OF MEDICINE  
VICE CHANCELLOR FOR ACADEMIC AFFAIRS, DUKE UNIVERSITY



## RESEARCH FACTS & STATS

- Duke Medicine comprises **one of the largest biomedical research enterprises in the country**, with approximately \$682 million in sponsored research annually.
- Duke is ranked **#6 among American medical schools in National Institutes of Health grant funding**, with more than \$328 million in 2008.\*
- Duke is ranked **#22 among American nursing schools in National Institutes of Health grant funding**, with more than \$2.5 million in 2010.\*\*
- **The world's largest and oldest academic clinical research organization**, the Duke Clinical Research Institute has conducted studies at more than 3,600 sites in 64 countries, enrolling more than a million patients and generating more than 5,000 publications in peer-reviewed journals.
- **More than 5,400 clinical trials** and retrospective studies are under way at Duke at any given time.
- About 14 percent of Duke medical students are enrolled in the **Medical Scientist Training Program**, which leads to both an MD and a PhD in one of the basic sciences.

\*Latest data available. Source: brimr.org.

\*\*Excludes R&D contracts and ARRA awards. Source: brimr.org.

## Education

Duke Medicine educates hundreds of new physicians, nurses, and other health professionals each year through our schools and educational programs, routinely recognized among the nation's very finest.



### Duke University School of Medicine

The School of Medicine is a community of scholars devoted to teaching, research, and patient care. It is widely recognized as one of the best medical schools in the nation, based on a variety of factors—such as reputation, selectivity, research activity, and faculty resources. The school incorporates a range of highly regarded educational programs, and also includes the research efforts of more than 1,900 basic-sciences and clinical faculty.



#### Doctor of Medicine (MD) Degree Program

This program's unique curriculum gives students patient contact one year earlier than at most other schools and includes an entire year devoted to independent research. Many students use the year to begin studies toward a second degree; nearly one-quarter earn both the MD and PhD, MBA, JD, or master's degree, with about 14 percent enrolled in Duke's NIH-funded Medical Scientist Training Program (MD-PhD).

#### Basic Sciences

Duke's PhD programs in the basic sciences draw some of the nation's most talented and promising young biomedical scientists. Hundreds of students are enrolled in Duke's respected programs in biochemistry, cell biology, cell and molecular biology, cognitive neuroscience, computational biology and bioinformatics, developmental and stem cell biology, genetics and genomics, integrated toxicology and environmental health, medical physics, molecular genetics and microbiology, immunology, structural biology and biophysics, molecular cancer biology, neurobiology, pathology, and pharmacology.

#### PA, PT, and Other Health Professions Programs

Duke offers a wide range of graduate and certificate programs in the health professions, including the nation's first physician assistant program and a highly ranked doctor of physical therapy program. Master of health sciences degree programs are offered in the fields of clinical leadership, clinical research, and pathologists' assistant, along with a master of biostatistics degree program and an ophthalmic medical technician certificate program.

#### Graduate Medical Education

More than 950 residents and fellows train in 75 ACGME-accredited residencies and fellowships, as well as 45 Duke-approved (ICGME) educational programs.

#### Continuing Medical Education

In fiscal year 2010, the School of Medicine's Office of Continuing Medical Education sponsored 589 activities attended by approximately 49,000 physicians and 21,000 non-physicians.

“At Duke, the missions to deliver care, generate science, and educate the next generation of practitioners come together—presenting exquisite opportunities. We are committed to pursuing those opportunities.”

—CATHERINE L. GILLISS, DNSc, RN  
DEAN, DUKE UNIVERSITY SCHOOL OF NURSING  
VICE CHANCELLOR FOR NURSING AFFAIRS, DUKE UNIVERSITY

## Duke University School of Nursing

The Duke University School of Nursing is a leading provider of nursing education. In 2011, *U.S. News & World Report* ranked the school among the nation's top seven nursing schools. With nationally and internationally recognized faculty members who are leading their fields through contributions to nursing practice, research, and health policy, the school is also ranked 22nd among nursing schools in National Institutes of Health research funding.

Degree programs include an accelerated bachelor of science in nursing; a master of science in nursing with respected subspecialty concentrations in fields such as acute care, geriatric, and pediatric nursing; a post-master's certificate program; a doctor of philosophy degree program; and North Carolina's first doctor of nursing practice degree program.

The school also operates the Duke Translational Nursing Institute and the Office of Global and Community Health Initiatives (OGACHI). In addition, the school includes the Center of Excellence in Geriatric Nursing Education and the Technology Integration Program for Nursing Education and Practice, both of which provide specialized training to practicing nurses and nursing faculty from across the country.

## Duke-NUS Graduate Medical School

In 2005 Duke partnered with the National University of Singapore to create the Duke-NUS Graduate Medical School. Based on Duke's unique curriculum that reserves the third year for scholarly research, the school enrolled its first class of MD candidates in 2007, and launched a PhD program in 2010. Duke-NUS is also engaged in signature research initiatives in cancer and stem cell biology, cardiovascular and metabolic disorders, emerging infectious diseases, health services and systems research, and neuroscience and behavioral disorders.

## EDUCATION FACTS & STATS

*U.S. News & World Report* in 2011 ranked Duke's physician assistant program **#1 in the nation**, School of Medicine **#5**, and School of Nursing **#7**.

### Students Enrolled, Academic Year 2011:

School of Medicine MD Program: 423

PhD Programs in Basic Sciences: 537

Graduate Medical Education: 965

School of Nursing: 732\*

- Accelerated BSN Program: 206
- MSN Program: 380
- Post-Master's Certificate Program: 47
- DNP (Doctor of Nursing Practice) Program: 83
- PhD Program: 16

Medical and Health Professions:

- Doctor of Physical Therapy Program: 186
- Physician Assistant (MHS degree): 149
- Pathologists' Assistant (MHS degree): 16
- Clinical Leadership Program (MHS degree): 8
- Clinical Research Program (MHS degree): 120
- Ophthalmic Medical Technician Program: 8

Duke-NUS MD Program: 186

\*Spring 2011

## Duke Medicine in the World: Locally, Globally

### Local and Regional Outreach

In fiscal year 2010, Duke University Health System provided \$258.2 million in charity care and other community benefit investments. This includes charity medical care provided to low-income patients, Medicaid and Medicare program losses, health professionals' education, unrecovered patient debt, and in-kind service contributions and direct support payment to community groups such as Lincoln Community Health Center.

Duke Medicine works with many community partners to improve health care in its hometown, Durham. Examples of local outreach include:

- **Wellness Centers within four Durham public schools**, providing primary care and mental health services to mostly low-income youngsters
- **Just for Us/Promising Practices**, providing primary care, case management, nutrition counseling, and occupational therapy services for frail, medically complex elderly patients and adults with disabilities in public or subsidized senior housing sites
- **Lyon Park Clinic, Holton Wellness Center, and Walltown Neighborhood Clinic**, providing primary care to low-income patients in Durham neighborhoods
- **Durham Community Health Network and Community Care Partners**, providing chronic-disease management, support, health education, and advocacy to 49,592 Medicaid patients in Durham, Vance, Warren, Granville, Person, and Franklin Counties

- **Local Access To Coordinated Healthcare (LATCH)**, providing bilingual in-home health education on chronic disease, patient support, and advocacy for uninsured Durham residents
- **The Durham Health Summit**, an annual gathering of community leaders designed to raise awareness of local health concerns and foster collaborations to improve residents' health

### Network Sites

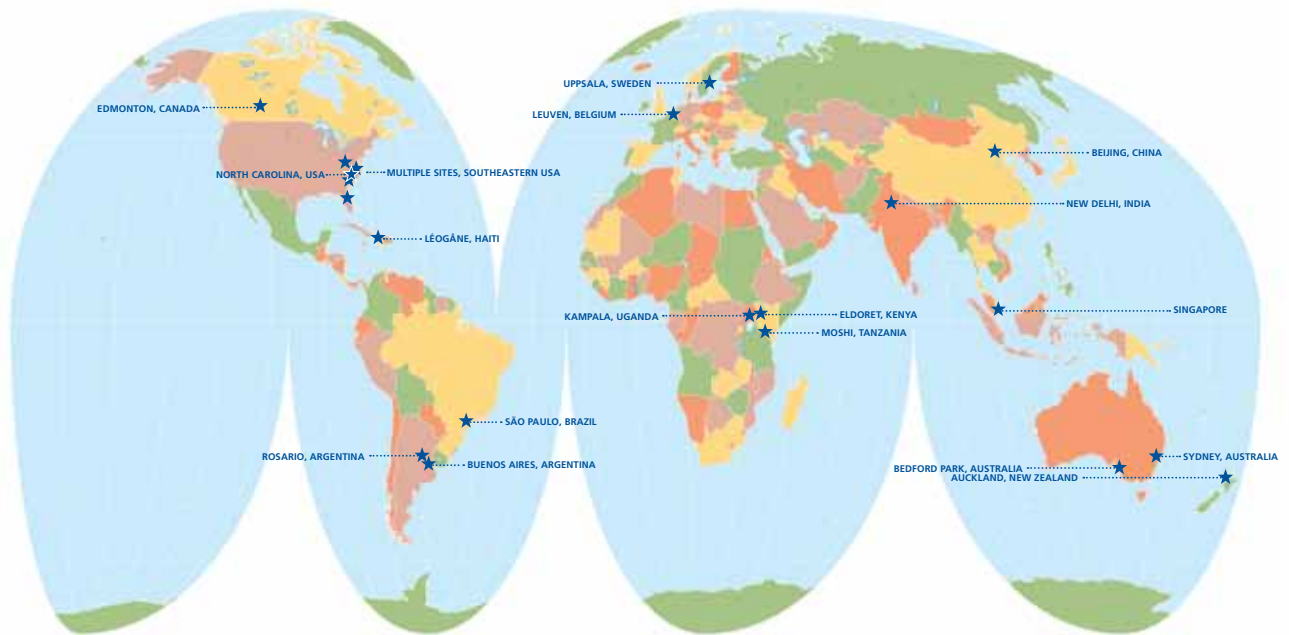
Duke works with affiliated hospitals and clinical sites to bring advanced technology and treatment, quality oversight, clinical-trial access, and educational programs into communities across the Southeast. The **Duke Heart Network** includes six hospital and more than 25 clinical subspecialty affiliations; the **Duke Oncology Network** includes 20 clinical, research, and program development affiliates; the **Duke Neonatology Network** includes two affiliated hospitals; and the **Duke Infection Control Outreach Network** comprises 39 hospitals and surgical centers, with educational agreements with an additional 100 hospitals in 26 states. In addition, Duke announced in 2011 a **partnership with LifePoint** to offer clinical and operational management to community hospitals in North Carolina and surrounding regions.

### Global Outreach

Many of Duke's global outreach efforts are coordinated through the Duke Global Health Institute—a university-wide effort to address health disparities worldwide through multidisciplinary research, education, policy engagement, and service. Read more about Duke's global collaborations at [globalhealth.duke.edu](http://globalhealth.duke.edu).

**\$258.2 million**  
in charity care and other  
community investments

## The Geography of Duke Medicine *Selected Duke global sites*



**Durham, North Carolina** Duke Medicine headquarters; home to Duke University Medical Center, School of Medicine, School of Nursing, Durham Regional Hospital, and a wide range of patient-care clinics and facilities

**Raleigh, North Carolina** Home to Duke Raleigh Hospital and numerous outpatient clinics

**Southeastern United States** Multiple Duke University Health System clinics and affiliates located throughout the Southeast

**Singapore** Home to the Duke-National University of Singapore Graduate Medical School and related clinical and research collaborations with SingHealth and the Singapore Clinical Research Institute

**Moshi, Tanzania** Site of Kilimanjaro Christian Medical Centre (KCMC), where Duke faculty, fellows, residents, and students work alongside Tanzanian caregivers to provide services and conduct research; in 2010 the team received a \$10-million KCMC-Duke Medical Education Partnership Initiative grant to strengthen medical education in Tanzania

**Eldoret, Kenya** Through the Academic Model Providing Access to Healthcare (AMPATH), Duke and the Hubert-Yeargan Center for Global Health partner with Moi University School of Medicine to train researchers and clinicians on the causes and treatment of heart and lung disease

**São Paulo, Brazil** Duke Clinical Research Institute faculty co-lead cardiovascular initiatives at the Brazilian Clinical Research Institute

**Kampala, Uganda** Duke physicians, the Global Health Institute, and Global Health PLUS provide equipment, supplies, and training to New Mulago Hospital for a newly established neurosurgical training program. Robertson Foundation-supported Health Systems Strengthening grant is providing health management and leadership training. Site also holds a Fogarty International Center planning grant for stroke research

**Léogâne, Haiti** Research and services—primarily related to cervical cancer—in partnership with Family Health Ministries

**Beijing, China** Duke-Peking University Health Science Center partnership to advance clinical care and medical management practices, including a joint Global Health Diploma and cardiovascular training center; Center for Excellence grant in cardiovascular disease from the NIH, in partnership with the George Institute for Global Health, to prevent and treat cardiovascular and pulmonary disease in rural areas

**New Delhi, India** Home to Medanta Duke Research Unit, a clinical research unit conducting proof-of-concept clinical research studies

**Australia, Canada, Europe, New Zealand, South America, United States:** Partner sites in the Virtual Coordinating Centre for Global Collaborative Cardiovascular Research (VIGOUR), a clinical-research collaboration co-founded by the Duke Clinical Research Institute

## The Duke Medicine Mission

As a world-class academic and health care system, Duke Medicine strives to transform medicine and health locally and globally through innovative scientific research, rapid translation of breakthrough discoveries, educating future clinical and scientific leaders, advocating and practicing evidence-based medicine to improve community health, and leading efforts to eliminate health inequalities.

888-ASK-DUKE    [dukemedicine.org](http://dukemedicine.org)

---



**Duke**Medicine