

Fact Book

WakeHealth.edu

A Mission to Care. A Mission to Cure.

Wake Forest Baptist Medical Center

Vision

WFBMC is a preeminent, internationally recognized academic medical center of the highest quality with balanced excellence in patient care, research and education.

Mission

WFBMC's mission is to improve the health of our region, state and nation by:

- Generating and translating knowledge to prevent, diagnose and treat disease.
- Training leaders in health care and biomedical science.
- Serving as the premier health system in our region, with specific centers of excellence recognized as national and international care destinations.

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March 2011

While this issue of Wake Forest Baptist's Fact Book contains the logo and design that reflect our new brand, changes to the names of several institution entities will be reflected in the next edition of Fact Book in FY12.

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Quick Facts

(For the year ending June 30, 2010, unless otherwise noted)

School of Medicine Faculty	1,075
Medical	832
Basic Science	243
Registered Nurses	2,571
LPNs/Nursing Assistants	606
Clinical Professionals	1,234
House Officers	638
Administration and other Staff	6,202
Total Medical Center Workforce	12,326
Community Clinical Faculty	511
Patient Care	
Licensed Beds	1,004
Inpatient Admissions	34,854

Inpatient Admissions	34,854
Day Hospital	28,160
Emergency Department Outpatient Visits	96,570
Other Outpatient Visits	631,978

(includes ambulatory visits and outpatient departments)

Downtown Health Plaza Visits 61,381

Figures do not include subsidiaries.

Financial (FY2011)

School of Medicine Budget	\$804,500,000
North Carolina Baptist Hospital Budget	\$999,784,000

Medical School Tuition

2010-2011	\$40,575
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Licensing Revenue \$85,936,453

Research

Federal	\$184,478,762
Industry	\$11,806,150
State	\$7,826,085
Other	\$9,149,980
Total Research Awards	\$213,260,977

Training (2010-2011)		
Medical Students		477
Men	258	
Women	219	
Minorities	135	
House Officers (residents) and Fellows		641
Graduate Students (Bowman Gray Campus)		323
Physician Assistant Students		106
Nurse Anesthesia Students		45
Allied Health Students		107
Pastoral Care Chaplain Residents and Interns		46
Joint School of Biomedical Engineering & Sciences*		93
Northwest Area Health Education Center		
Participants (FY 10)**	43	3,522
Nursing Student Experiences (2010)***	2	2,311
* Wake Forest and Virginia Tech		
** Includes Continuing Medical Education Participants		
*** Includes students in Nursing, Nursing Assistant, Medical		
Secretary and Emergency Medical Services co		

U.S.News & World Report Rankings "America's Rest Hospitals" 2010-2011

Americas Best Hospitais 2010-2011	
Kidney Disorders	$22^{\rm nd}$
Ear, Nose and Throat	35^{th}
Cancer	36^{th}
Pulmonology	39^{th}
Gynecology	42^{nd}
Urology	46^{th}
Heart and Heart Surgery	50^{th}
Neurology and Neurosurgery	50^{th}
"America's Best Graduate Schools" 2011	
Primary Care	$33^{\rm rd}$
Research	44^{th}
Physician Assistant Program (2007 ranking)	23 rd

Overview

Wake Forest Baptist Medical Center (WFBMC), one of the nation's preeminent academic medical centers, is an integrated health care system that operates 1,004 acute care, rehabilitation and psychiatric care beds, outpatient services, and community health and information centers. The Medical Center has 21 subsidiary or affiliate hospitals and operates more than 120 outreach activities throughout the region, including satellite clinics, health fairs, consulting services and medical director services. It provides a continuum of care that includes primary care centers, outpatient rehabilitation and dialysis centers. Although its primary service area is a 24-county region in northwestern North Carolina and southwestern Virginia, Wake Forest Baptist in the year ending June 30, 2010, served patients from 96 (of 100) North Carolina counties, all 50 states, the District of Columbia, and several foreign countries.

On July 1, 2010, Wake Forest Baptist became a legally integrated Medical Center. Under this new structure, WFBMC (through its Board and consolidated management team) operates all aspects of North Carolina Baptist Hospital and Wake Forest University Health Sciences. In addition to reporting to the WFBMC Board of Directors, Dr. John D. McConnell, as the Medical Center CEO, also reports to the President of Wake Forest University (as WFU Executive Vice President for Health Affairs) for academic purposes, thus assuring the highest possible education and research standards. North Carolina Baptist Hospital and Wake Forest University Health Sciences retain their respective boards, both of which appoint Board members to the WFBMC Board.

Academic Enterprise

Wake Forest University Health Sciences (WFUHS)

encompasses the School of Medicine and its academic and research missions, Wake Forest University Physicians, 16 dialysis centers, Piedmont Triad Research Park and the Wet Lab LaunchPad™ located in the Park.

Wake Forest University School of Medicine (WFUSM) prides itself in providing its graduates with the skill to be lifelong learners.

The School of Medicine is noted for its innovations in medical and graduate student education. WFU students have pass rates that exceed the national average on the clinical components of the U.S. Medical Licensing Exam. Areas of research emphasis include addiction, atherosclerosis, cancer, stroke, hypertension, nutrition, women's health, public health, neurosciences, tissue engineering, pediatrics, dermatology, orthopaedics, health care disparities, behavioral medicine, internal medicine, surgery, physiology/pharmacology and aging.

The School of Medicine provides continuing medical education and advanced training for health care professionals through the Northwest Area Health Education Center (NWAHEC), as well as leadership and organizational development education, and research in continuing medical education.

In addition to the M.D., Ph.D., and M.S. degrees (including an M.S. for physician assistants), the medical school has five joint degree programs: the M.D./M.S. in Health Sciences Research, the M.D./Ph.D., the M.D./M.B.A., the Ph.D./M.B.A., and the M.D./Graduate Certification Program in Spirituality and Health (School of Divinity at WFU).

Financial aid—scholarships and loans—to medical students during the 2010-2011 school year totaled \$21,461,035. Approximately 94 percent of the students enrolled received financial assistance. Graduate students received \$11,007,252 in financial support.

Wake Forest University Physicians (WFUP) is the organization comprising more than 600 physicians who are the medical school's board-certified (or equivalent) medical faculty and attending staff of the hospital. WFUP outpatient clinics include about 100 medical and surgical specialties or subspecialties.

Overview (continued)

Clinical Enterprise

North Carolina Baptist Hospital (NCBH) is the Medical Center's primary clinical arm. The hospital had 34,854 inpatient admissions and 28,160 day hospital stays in FY 2010. It has a full-time medical staff of 832, all of whom are faculty members of Wake Forest University School of Medicine, 621 residents, and more than 2,500 nurses. The hospital has its own nurse anesthesia and medical technology teaching programs and is the clinical site for nine programs of Forsyth Technical Community College.

The hospital's Division of Pastoral Care operates an educational program for clergy and laypersons, works closely with the state's Baptist churches, provides the staff for the CareNet, Inc., pastoral counseling centers, works with individual churches to help them identify their own goals and objectives, and counsels individual ministers who need support.

Inpatient facilities are:

- North Carolina Baptist Hospital, an 885-bed teaching hospital that is the region's main tertiary referral center.
- Brenner Children's Hospital has been the only children's
 hospital in the region for more than 20 years. A 400,000square-foot tower opened in 2002 to house this 160-bed
 "hospital within a hospital" offering services to young
 patients and their families. It includes a pediatric emergency
 department, pediatric and neonatal intensive care units,
 infant, child and adolescent inpatient units, and outpatient
 clinics. Children are treated for a variety of illnesses from ear
 infections to the most advanced pediatric cancer care.
- Davie County Emergency Health Corporation (Davie County Hospital), a critical access hospital with 25 acute-care beds located in Mocksville, N.C.
- Lexington Memorial Hospital, a not-for-profit facility with 94 acute care beds in Lexington, N.C.

Recent Recognition

- Ranked among "America's Best Hospitals" in U.S.News & World Report since 1993.
- 288 faculty physicians were listed in the 2011-2012 edition of "Best Doctors in America," 92 percent of the total listed in Forsyth County.
- Area residents have ranked Wake Forest Baptist as their "Most Preferred Hospital" since 1999. The award is given by the National Research Corporation.
- The Medical Center is tied for 27th among the nation's hospitals for the number of doctors (47) listed in the 9th edition of "America's Top Doctors."
- First in the Carolina's to receive Magnet Recognition for Excellence in Nursing Service. One of the first 14 hospitals in the nation to earn this designation.
- Fully accredited by The Joint Commission.
- 180 members of the faculty served as editors or on editorial boards of journals or publications (2009-10).
- 86 faculty members were elected to serve as president or chair of major professional or scientific societies (2009-10).
- 140 faculty members served as consultants to the National Institutes of Health and other federal agencies (2009-10).
- 163 faculty members received formal awards and/or recognition for excellence in teaching, research and/or clinical services (2009-10).

Boards

Wake Forest Baptist Medical Center Board of Directors, 2010/2011

Graham W. Denton Jr., Vice Chair

Graham F. Bennett

Donna A. Boswell, Ph.D.

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Nathali O. Hatch, Ph.D

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Winston-Salem, N.C.

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Ahoskie, N.C.

Winston-Salem, N.C.

Winston-Salem, N.C.

Winston-Salem, N.C.

Winston-Salem, N.C.

Advance, N.C. Mocksville, N.C.

Winston-Salem, N.C.

Winston-Salem, N.C.

Wilkesboro, N.C.

Hickory, N.C.

Wake Forest University Health Sciences Board of Directors, 2010/2011

Graham W. Denton Ir. Charlotte, N.C. Donna A. Boswell, Ph.D., Vice Chair Washington, D.C. Winston-Salem, N.C. Graham F. Bennett Richard A. Brenner Winston-Salem, N.C. Donald E. Flow, Chair Winston-Salem, N.C. Denise J. Gatling Cary, N.C. Robert E. Greene Winston-Salem, N.C. I. Andrews Hancock Winston-Salem, N.C. Anne S. Hanes Winston-Salem, N.C. Nathan O. Hatch, Ph.D. (ex officio) Winston-Salem, N.C. Winston-Salem, N.C. James R. Helvey III John D. McConnell, M.D. (ex officio) Winston-Salem, N.C. Andrew I. Schindler Winston-Salem, N.C. Mitesh Bharat Shah Atlanta, G.A. James Denman Shelton Plano, Tx. Greensboro, N.C. James T. Williams Ir. Stephen T. Williams Winston-Salem, N.C. Kyle A. Young, M.D. Greensboro, N.C.

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Winston-Salem, N.C.

Winston-Salem, N.C.

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Winston-Salem, N.C.

Ahoskie, N.C.

Shelby, N.C.

Charlotte, N.C.

Lexington, N.C. Advance, N.C.

Asheville, N.C.

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Marion, N.C.

Winston-Salem, N.C. Mocksville, N.C.

Mooresville, N.C.

Hickory, N.C.

Winston-Salem, N.C. Winston-Salem, N.C.

Administration

Chief Executive Officer John D. McConnell, M.D.

President and Chief Operating Officer (Health System) Thomas E. Sibert, M.D., M.B.A.

Dean, Wake Forest University School of Medicine William B. Applegate, M.D., M.P.H., M.A.C.P.

President, North Carolina Baptist Hospital Donny C. Lambeth, M.B.A.

Executive Vice President, Finance and Chief Financial Officer Edward G. Chadwick, M.B.A.

Executive Vice President, Administration; Executive Vice President and Chief Operating Officer, Wake Forest University Health Sciences; President, Piedmont Triad Research Park Douglas L. Edgeton, M.B.A., M.P.H.

Vice President, Faith and Health Ministries (Interim) Sharon R. Engebretson, M.Div.

Vice Chief Financial Officer Terry L. Hales Jr., M.B.A., C.P.A.

Vice President for Facilities Planning Karen H. Huey

Vice President, Operational and Transformational Excellence John C. Kavanaugh

Vice President and Chief Human Resources Officer Cheryl E. H. Locke

Vice President, Regional Business Development Executive Director for WFUP Robin K. Meter, M.H.A.

Vice President and Chief Development Officer Norman D. Potter Jr.

Administration (continued)

Vice President, Government Relations Joanne C. Ruhland, M.B.A.

Vice President and Chief Information Officer Sheila M. Sanders

Vice President and Chief Nursing Officer Maureen E. Sintich, R.N., M.S.N., M.B.A.

Vice President, Quality and Service Excellence Ronald H. Small, M.B.A.

Vice President, Medicine and Operations Steven C. Snelgrove

Vice President, Strategic Programs; Director, Comprehensive Cancer Center Frank M. Torti, M.D., M.P.H., F.A.C.P.

Vice President, Surgical Services Karen Q. Turner, M.B.A.

Vice President, General Counsel; Corporate Secretary J. McLain Wallace Jr., J.D.

Vice President and Chief Communications and Marketing Officer Lisa M. Wyatt, M.S.

Vice President, Brenner Children's Hospital Marty B. Scott, M.D., M.B.A.

Chief Compliance Officer, Wake Forest University Health Sciences Larrie W. Dawkins, M.B.A.

Chief Compliance Officer, North Carolina Baptist Hospital Yates D. Lackey

Chief Medical Officer Russell M. Howerton, M.D.

Director, Wake Forest Institute for Regenerative Medicine Anthony Atala, M.D.

Director, Wake Forest University Translational Science Institute Charles E. McCall, M.D.

Senior Associate Dean Steven M. Block, M.B., B.Ch.

Associate Dean for Academic Computing and Information Services

Iohannes M. Boehme II

Associate Dean for Student Services

Mark P. Knudson, M.D.

Assistant Dean for Education

Ann Lambros, Ph.D.

Assistant Dean for Diversity Brenda A. Latham-Sadler, M.D.

Executive Director, Northwest AHEC, and Executive Director, Continuing Medical Education Michael P. Lischke, M.P.H., Ed.D.

Assistant Dean for Resource Management Laurie Molloy, M.B.A.

Dean, Graduate School (WFU) Lorna G. Moore, Ph.D.

Associate Dean for Education K. Patrick Ober, M.D.

Associate Dean for Graduate Medical Education Patricia H. Petrozza, M.D.

Interim Senior Associate Dean for Research Jan D. Wagner, DVM, Ph.D.

Associate Dean for Faculty Development Mary Lou Voytko, Ph.D.

Associate Dean for Medical Student Admissions Gretchen L. Wells, M.D., Ph.D.

Chair, Pediatrics Jon S. Abramson, M.D.

Chair, Radiation Oncology A. William Blackstock Jr., M.D.

Administration (continued)

Chair, Neurology

Allison Brashear, M.D.

Chair, Physician Assistant Studies

Reamer L. Bushardt, Pharm.D., R.Ph. PA-C

Chair, Family and Community Medicine Michael L. Coates, M.D.

Wilchael L. Coates, Wi.D.

Chair, Internal Medicine Thomas D. Dubose Jr., M.D.

Chair, Radiology

Allen D. Elster, M.D.

Chair, Dermatology

Alan B. Fleischer Jr., M.D.

Chair, Dentistry

Raymond S. Garrison, D.D.S.

Chair, Psychiatry and Behavioral Medicine W. Vaughn McCall, M.D.

Chair, Surgical Sciences

J. Wayne Meredith, M.D.

Chair, Obstetrics and Gynecology

James C. Rose, Ph.D.

Chair, Anesthesiology Joseph R. Tobin, M.D.

Director, Public Health Sciences

Gregory L. Burke, M.D.

Chair, Pathology

A. Julian Garvin, M.D., Ph.D.

Chair, Biochemistry

Douglas S. Lyles, Ph.D.

Chair, Microbiology and Immunology

Griffith D. Parks, Ph.D.

Chair, Physiology and Pharmacology

Linda I. Porrino, Ph.D.

Chair, Biomedical Engineering

Peter Santago, II, Ph.D.

Chair, Neurobiology and Anatomy

Barry E. Stein, Ph.D.

Chair, Cancer Biology

Frank M. Torti, M.D. M.P.H., F.A.C.P.

Director, Maya Angelou Center for Health Equity

Ronny A. Bell, Ph.D., M.S.

Co-Director, Center for Genomics and Personalized

Medicine Research

Eugene R. Bleecker, M.D.

Director, Brain Tumor Center of Excellence

Waldemar Debinski, M.D., Ph.D.

Director, Hypertension and Vascular Research Center

Debra I. Diz, Ph.D., F.A.H.A.

Director, General Clinical Research Center

Kevin P. High, M.D.

Director, J. Paul Sticht Center on Aging

Stephen B. Kritchevsky, Ph.D.

Director, Center of Excellence for Research, Teaching and Learning Ann Lambros, Ph.D.

Director, Center for Biomolecular Imaging

Kerry M. Link, M.D.

Co-Director, Center for Genomics and Personalized

Medicine Research

Deborah A. Meyers, Ph.D.

Director, Childress Institute for Pediatric Trauma

J. Wayne Meredith, M.D.

Director, Women's Health Center of Excellence for Research,

Leadership, Education

Mary Lou Voytko, Ph.D.

Subsidiaries and Affiliates

Subsidiaries

- Wake Forest Baptist Medical Center Community Physicians provides primary care within the Medical Center's service area.
- CareNet, Inc., a not-for-profit corporation organized to provide pastoral counseling services at a network of locations throughout North Carolina.
- The Center for Congregational Health, Inc., a not-for-profit organization whose mission is to assist congregations in becoming healthier communities of faith.
- Davie County Emergency Health Corporation (Davie County Hospital), a critical access hospital with 25 acute-care beds located in Mocksville, N.C.
- Lexington Memorial Hospital is a not-for-profit facility with 94 acute care beds in Lexington, N.C.
- The Hawthorne Inn & Conference Center, a hotel, conference center and restaurant that serves the general public as well as Medical Center patients and their families.
- MedCost*, LLC, a managed-care company owned jointly with Carolinas HealthCare System.
- Northwest Community Care Network, a company that administers the Carolina Access II Medicaid program.
- Outpatient Diagnostic Imaging Center, LLC, a freestanding full-service diagnostic imaging center.
- Dialysis Access Group of Wake Forest University, LLC, provides vascular access maintenance procedures to dialysis patients close to where they receive dialysis treatments.
- Wake Forest Baptist Medical Center Community Physicians Primary Care, LLC, (Wake Forest Baptist HealthCare Center-Davie) a Mocksville facility that offers primary care and occupational health services.
- Cancer Center of Davidson County, LLC, a joint endeavor with Lexington Memorial Hospital that will provide a linear accelerator for Davidson County residents for radiation therapy treatment.
- Outpatient Endoscopy Center, LLC, a joint venture with Physicians Endoscopy to establish a freestanding outpatient endoscopy center located off campus.

Affiliates

Hospitals affiliated with Wake Forest Baptist are:

- Alleghany Memorial Hospital
- Ashe Memorial Hospital
- Blowing Rock Hospital
- Caldwell Memorial Hospital
- Catawba Valley Medical Center
- Davie County Hospital
- High Point Regional Medical Center (Oncology Outreach Department of the Comprehensive Cancer Center)*
- · Hugh Chatham Memorial Hospital
- Kindred Hospital
- Lake Norman Regional Medical Center
- · Memorial Hospital of Martinsville
- Morehead Memorial Hospital
- Moses Cone Health System*
- R.J. Reynolds-Patrick Co. Memorial Hospital
- · Rowan Regional Medical Center
- Rutherford Hospital
- Twin County Regional Hospital
- Watauga Medical Center
- W.G. Hefner VA Medical Center
- Wilkes Regional Medical Center
- * Member with Wake Forest Baptist in The Healthcare Alliance, LLC.

Wake Forest Baptist Centers

Research Institutes

Wake Forest Institute for Regenerative Medicine Anthony J. Atala, M.D., Director

Wake Forest University Translational Science Institute Charles E. McCall, M.D., Director

Interdisciplinary Research Centers

Biomolecular Imaging, Center for Kerry M. Link, M.D., Director

Brain Tumor Center of Excellence Waldemar Debinski, M.D., Ph.D., Director

Cancer Genomics, Center for Jianfeng Xu, M.D., Dr.P.H., Director

Center of Excellence for Research, Teaching and Learning (CERTL)
Ann Lambros, Ph.D., Director

Comprehensive Cancer Center of Wake Forest University Frank M. Torti, M.D., M.P.H., Director

Diabetes Research, Center for Donald W. Bowden, Ph.D., Director

General Clinical Research Center Kevin P. High, M.D., Director

Genomics and Personalized Medicine Research, Center for Eugene R. Bleeker, M.D., Co-Director Deborah A. Meyers, Ph.D., Co-Director

Hypertension and Vascular Research Center Debra I. Diz, Ph.D., Director (interim)

J. Paul Sticht Center on Aging
Stephen B. Kritchevsky, Ph.D., Director
Claude D. Pepper Older Americans Independence Center
(part of Sticht Center)

Stephen B. Kritchevsky, Ph.D., Director

Kulynych Center for Memory and Cognition Research (part of Sticht Center)

Jeff D. Williamson, M.D., M.H.S., Executive Director

Maya Angelou Center for Health Equity Ronny A. Bell, Ph.D., M.S., Director

Women's Health Center of Excellence for Research, Leadership, Education

Mary Lou Voytko, Ph.D., Director

Worker Health, Center for Thomas A. Arcury, Ph.D., Director

Other Research-Related Centers

Applied Learning, Center for James E. Johnson, Ph.D., Director

Epidemiological Cardiac Research Center (EPICARE) Elsayed Z. Soliman, M.D., M.Sc, M.S., Director

Integrative Medicine, Center for Kathi Kemper, M.D., M.P.H., Director

Neurobehavioral Study of Alcohol, Center for the David Friedman, Ph.D., Director

Neurobiological Investigation of Drug Abuse, Center for the Steven R. Childers, Ph.D., Director

Research in Obstetrics and Gynecology, Center for James C. Rose, Ph.D., Director

Structural Biology, Center for Leslie Poole, Ph.D., Director

WFU Primate Center Jay R. Kaplan, Ph.D., Director

Center-Related Affiliations

Nanotechnology and Molecular Materials at Wake Forest University, Center for David Carroll, Ph.D., Director

Northwest Area Health Education Center (AHEC) Michael P. Lischke, Ed.D., Director

Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences

Peter Santago II, Ph.D., Associate Director

Disciplines in which Faculty Serve as President or Chair of a Professional or Scientific Organization

- Anesthesiology
- Biochemistry
- · Cancer Biology
- Cardiology
- · Cardiothoracic Surgery
- Dentistry
- Dermatology
- Family and Community Medicine
- General Surgery
- · Internal Medicine
- · Neurobiology and Anatomy
- Neurology
- · Obstetrics and Gynecology
- · Pathology
- · Pediatrics
- · Physiology and Pharmacology
- · Psychiatry and Behavioral Medicine
- Public Health Sciences
- Radiation Oncology
- · Radiologic Sciences
- Neurosurgery
- Ophthalmology
- Orthopaedic Surgery
- Otolaryngology
- Plastic and Reconstructive Surgery
- Regenerative Medicine
- Urology
- Vascular and Endovascular Surgery

Endowed Professorships

Eben Alexander Professor and Chair of Neurosurgery Charles L. Branch Jr., M.D.

Dalton-McMichael Professor in Cardiovascular Medicine and Chief, Section on Cardiology

William C. Little, M.D.

Thomas H. Davis Professor in Pulmonary Medicine and Chief, Section on Pulmonary, Critical Care, Allergy and Immunologic Disease

Eugene R. Bleecker, M.D.

Vardaman M. Buckalew Jr., M.D., Professor in Nephrology Michael V. Rocco, M.D., M.S.

John H. Felts III Professor in Kidney Disease Research and Chief, Section on Nephrology

Barry I. Freedman, M.D.

Caryl J. Guth Professor in Integrative Medicine Kathi J. Kemper, M.D., M.P.H.

Frank C. Greiss Jr., Professor of Perinatal Research and Vice Chair of Obstetrics and Gynecology James C. Rose, Ph.D.

James A. Harrill Professor and Chair of Otolaryngology J. Dale Browne, M.D.

Tinsley R. Harrison Professor and Chair of Internal Medicine Thomas D. DuBose Jr., M.D., M.A.C.P.

Francis M. James III Professor of Anesthesiology James C. Eisenach, M.D.

Weston M. Kelsey Professor and Chair of Pediatrics Jon S. Abramson, M.D.

Richard T. Myers Professor and Chair of General Surgery J. Wayne Meredith, M.D.

Charles L. Spurr Professor of Medicine (Hematology/Oncology) Frank M. Torti, M.D.

Endowed Professorships (continued)

William H. Boyce Professor and Chair of Urology Anthony J. Atala, M.D.

Orthopaedic Endowed Professors Gary G. Poehling, M.D. Andrew L. Koman, M.D.

Richard G. Weaver Professor and Chair of Ophthalmology Craig M. Greven, M.D.

Robert W. Prichard Professor and Chair of Pathology A. Julian Garvin, M.D., Ph.D.

McKinney/Avant Endowed Professor of Neurological Uses of Ultrasound

Charles H. Tegeler IV, M.D.

Carpenter Library

The library holds more than 163,000 volumes, 3,000 e-journals, 140 e-books, and 70 databases, and has access to all Wake Forest University resources campus-wide. The library's website at WakeHealth.edu/library/ allows affiliated users to access nearly all web-based resources from any computer in the world. The library also maintains two computer classrooms, six small-group meeting rooms, and two quiet study areas, with wireless internet access throughout. Open 100 hours a week, the library serves as a haven for researchers and students looking for study space. The library gives monthly classes in common software applications, and provides Medical Center staff and students with software support.

Research Highlights

Wake Forest Baptist faculty received more than \$213.3 million in direct funding for research in the 2009-2010 fiscal year.

Aging

The mission of the J. Paul Sticht Center on Aging is to promote the health and independence of older adults by fostering multi-disciplinary collaboration in basic and clinical research, research training, professional education, and community outreach. These programs bring together more than 80 faculty members from

20 departments, institutes and centers. The Sticht Center is the home of two major affiliated programs: The Claude D. Pepper Older Americans Independence Center and the Kulynych Center for Memory and Cognition Research. In 2007, Wake Forest Baptist was named a Center of Excellence in geriatric medicine and training by the John A. Hartford Foundation.

Alcohol

The Center for the Neurobehavioral Study of Alcohol is one of 27 alcohol research centers funded by the National Institute of Alcohol Abuse and Alcoholism. Research projects range from studies of alcohol's effects on liver function to brain mechanisms involved in the control of consumption.

Animal Research

The Wake Forest University Primate Center, a 200-acre facility in a rural setting, maintains a population of approximately 1,500 monkeys that are used primarily in research focused on the major chronic and degenerative diseases afflicting human populations; the center is further distinguished by its emphasis on women's health.

Applied Learning

The Center for Applied Learning (CAL), which began operations in July of 2009, combines faculty expertise from across clinical disciplines and brings together innovative resources for clinical education from a host of diverse training facilities. Among the resources are high-fidelity patient simulation laboratories, a surgery academy, an anatomical training center, the Center for Medical Ultrasound, and standardized patient assessment examination rooms. The CAL laboratories total more than 28,000 square feet of teaching space.

Biomolecular Imaging

The Center for Biomolecular Engineering provides the technology infrastructure and technical expertise for both basic scientists and clinical researchers to have access to state-of-theart research imaging equipment in order to perform imaging research. The center is structured to promote multidisciplinary, multitechnology translational research by drawing on the technical, scientific and clinical expertise of the faculty.

Research Highlights (continued)

Brain Tumors

The Brain Tumor Center of Excellence was established in 2003 on the foundation of excellence in both clinical care and clinical research in patients with brain tumors, and a growing interest in neuro-oncology. The focus of the center is patient-oriented research and the goal is to develop effective management of brain neoplasia, since many brain tumors represent unmet needs in medicine.

Cancer

The Comprehensive Cancer Center of Wake Forest University, one of only 40 designated as "comprehensive" by the National Cancer Institute, conducts biomedical research at the basic, clinical and population-studies levels across five states, offering participation in clinical trials to cancer patients. The center includes more than 100 faculty, with programs in cell growth and survival, DNA damage and cellular defense, clinical research and cancer control. In addition, the center has three Centers of Excellence that work to identify new treatments for breast cancer, prostate cancer and brain tumors.

Clinical Research Unit (CRU)

The Clinical Research Unit, formerly the General Clinical Research Center, provides support for investigators to translate basic science knowledge into new or improved methods of patient care. The CRU has been transformed to be part of the Translational Science Institute. Studies are conducted in areas such as anesthesiology, heart disease, kidney disease, psychiatry, infectious diseases and women's health.

Diabetes

The Center for Diabetes Research was founded in 2006 to expand research into diabetes. Its establishment is a reflection of the important role that diabetes research already plays at the Medical Center and the enormous impact that diabetes has on public health in our country. Research studies at the Medical Center cover the entire spectrum—from laboratory studies investigating basic cellular mechanisms leading to diabetes, to leadership of national prevention and treatment studies.

Drug Abuse

The Center for Neurobiological Investigation of Drug Abuse is funded by the National Institute on Drug Abuse. A major research effort of the center examines the brain processes that mediate compulsive cocaine and opiate abuse. The medications development group is active in discovering compounds for potential future clinical use. In addition, the center works to educate journalists about the scientific basis of addiction.

Education

The mission of the Center of Excellence for Research, Teaching and Learning (CERTL) is to improve the quality of science, mathematics and technology education by enhancment of teacher quality through professional development and enriching the curriculum for K-12 students. Within that mission are goals to increase the participation and success of underrepresented minority students in advanced science and mathematics courses and to increase the interest and commitment of all students in careers in science, mathematics and technology.

Genomics

The Center for Cancer Genomics, established in 2008, aims to use genomics approaches to understand the development and progression of various types of cancer, and to develop approaches for the prediction of cancer and personalized intervention. The Center for Genomics and Personalized Medicine Research, formerly the Center for Human Genomics, performs translational and multidisciplinary research on the genetics and genomics of both rare and common diseases. The center encompasses nearly every major research effort at the Medical Center-heart disease. cancer, diabetes, high blood pressure, pulmonary disease, drug abuse, alcohol abuse, women's health and aging.

Heart Disease Prevention

The goal of the Epidemiological Cardiac Research Center is to help prevent heart disease by providing expertise in electrocardiographic (ECG) testing for research studies. The center not only processes and analyzes ECG studies that are conducted as part of research, but also trains technicians who are part of national and international research studies, including those conducted by the National Institutes of Health.

Research Highlights (continued)

Hypertension

The Hypertension and Vascular Research Center explores the causes of high blood pressure and related diseases of the heart and blood vessels through investigation of the genetic and molecular mechanisms of hypertension. The Center aims to develop strong collaborative approaches for noninvasive detection of autonomic dysfunction and vascular disease in the clinical setting and to foster translational research activities while maintaining an active research, training and education effort.

Integrative Medicine

The Center for Integrative Medicine oversees a collaboration of clinical, educational, community outreach and research activities focusing on wellness and healing including: acupuncture, the arts, music, and the environment, communication and counseling skills, dietary supplements and herbal medicine, Healing Touch, massage therapy, mind-body, music, nutrition, stress management, tai chi and qi gong, and yoga. The center has five main areas of activity: research, education, clinical care, leadership development and community outreach.

Minority Health

The Maya Angelou Center for Health Equity, formerly the Maya Angelou Research Center on Minority Health, was formed to address the growing concerns of disparities in health and health care among racial and ethnic minority groups. The center adopted its new name to more adequately reflect the mission and to broaden its reach to other disparate populations. The center has three program areas: research and evaluation, community outreach, and faculty and student development.

Obstetrics and Gynecology

The ultimate mission of the Center for Research in Obstetrics and Gynecology is to advance and improve clinical care for female patients throughout their lives. The center focuses on the areas of pregnancy/perinatology, gynecology and reproductive medicine. Research spans a broad range of topics—from large-scale clinical trials testing new therapies for preventing premature labor, to the basic role of reproductive hormones in regulating uterine activity.

Pediatric Trauma

The Childress Institute for Pediatric Trauma was established by Richard and Judy Childress and Wake Forest Baptist in 2008 in response to a national need to address traumatic childhood injury and death. The mission of the Childress Institute goes beyond conducting medical research and making clinical advances at a single hospital or academic institution. It seeks to fundamentally change the way all children with serious injuries are treated throughout the world, identify new approaches to preventing and treating these injuries, and devise ways of improving outcomes for injured children, in terms of both lives that are saved and increased quality of life for survivors. Working as a collaborative network of leaders in the field, the Childress Institute network partners can share information across institutions and build a community of scientists, clinicians and policy leaders focused on pediatric trauma. The coordinating hub of the Childress Institute for Pediatric Trauma is located at Wake Forest Baptist.

Public Health Sciences

This division includes three departments—Epidemiology & Prevention, Social Sciences & Health Policy, and Biostatistical Sciences—with world-class expertise in the areas of cardiovascular disease, diabetes, health related quality of life, women's health, population genetics, cancer control, statistical methods and multi-center study coordination.

Regenerative Medicine

The Wake Forest Institute for Regenerative Medicine is working to engineer replacement tissues and organs and develop healing cell therapies for more than 36 different areas of the body. This research team, directed by Anthony Atala, M.D., is the first in the world to successfully engineer replacement organs in the lab that were implanted in patients. As a testament to its reputation, the institute was selected to co-direct the Armed Forces Institute for Regenerative Medicine, a federally funded project to apply regenerative medicine to battlefield injuries. With it's focus on bringing new treatments to patients, the institute has built an on-site Good Manufacturing Practices (GMP) facility that will allow for translation directly from the bench to the bedside.

Research Highlights (continued)

Structural Biology

The Center for Structural Biology (CSB) at Wake Forest University is a cross-campus and interdisciplinary organization that combines research and educational resources from the School of Medicine, the WFU Graduate School of Arts & Sciences and the Undergraduate School of Arts & Sciences. Three hallmarks of the CSB include the X-ray diffraction laboratory, the biomolecular computing and graphics facility and the biomolecular resource facility. Research areas emphasized at the CSB include the structural biology of enzymes involved in DNA and protein repair, and the biophysical and structural aspects of redox enzyme function.

Translational Science

The Wake Forest University Translational Science Institute (TSI) has been created as a new academic home for translational research that transcends traditional departmental, administrative and academic boundaries. The TSI's mission is to accelerate discovery and application of new knowledge to improve human health. TSI leaders believe that success comes with great partnerships and teamwork, and team leadership is one of the key building blocks to achieve rapid and dramatic change.

Women's Health

The focus of the Women's Health Center of Excellence for Research, Leadership and Education includes fostering and facilitating research on women's health, enhancing the recruitment, retention, professional development, and promotion of women faculty and educating others about women's health issues. Wake Forest Baptist is part of the national Women's Health Initiative (WHI) and leads the WHI Memory Study.

Worker's Health

The Center for Worker Health was established to provide a nexus for basic and translational research focused on all aspects of the work-health relationship. The center brings together investigators, health care providers, community members and business leaders interested in protecting and promoting worker health and quality of life, as well as creating workplace solutions that are beneficial for employers, workers and their families.

Technology Transfer

The Wake Forest University Office of Technology Asset Management works with Wake Forest Baptist inventors to identify, protect and transfer novel research discoveries to the commercial sector for development into new products that benefit the public through either traditional licensing (to medical, pharmaceutical and biotech companies) or start-up company formation.

The University's technology transfer activities ensure public benefit from the fruits of basic and clinical research and generate financial return to the University for reinvestment in the research enterprise.

In the latest survey by the Deerfield, Ill.-based Association of University Technology Managers, Wake Forest University led the state of North Carolina in licensing revenues with \$95.6 million in fiscal 2009, surpassing Duke, N.C. State and Carolina.

Downtown Winston-Salem is a burgeoning research development center with more than 55 technology companies concentrated in the developing Piedmont Triad Research Park.

Technology Asset Management, FYs 2005-2010

Invention disclosures	329
Patent applications filed	161
Patents issued	41
New licenses and options	53
Licensing revenues	\$403,393,870

Clinical Highlights and Services

Wake Forest Baptist Medical Center offers expertise in more than 100 areas of medicine, encompassing preventive and highly specialized care for all ages. Major services include:

Brenner Children's Hospital

The region's only full-service pediatric hospital provides expert care for neonates through teens in a state-of-the-art 160-bed facility. Brenner Children's Hospital expertise includes more than 130 pediatricians specializing in more than 30 areas of pediatric medicine and includes the region's only Pediatric Emergency Department, staffed 24 hours a day by pediatric specialists. Highly specialized—and often unique—treatment in pediatric gastroenterology, urology, neurosurgery, cardiac care and orthopaedic surgery draws patients from across the Southeast. Services include the region's first comprehensive pediatric obesity program (Brenner FIT), aimed at helping families overcome obesity, and offering innovative partnerships that provide health education and increase awareness. Brenner Children's also offers the region's only Pediatric Critical Care Transport Team, a highly specialized service that operates two critical care ambulances and also transports infants and children via Wake Forest Baptist's AirCare helicopters.

Comprehensive Cancer Center of Wake Forest University

With the gold standard "comprehensive" designation by the National Cancer Institute, the Comprehensive Cancer Center is on the leading edge of cancer research and treatment. The Outpatient Comprehensive Cancer Center offers multidisciplinary clinics such as the Breast Care Center, the Neuro-Oncology Clinic and the Thoracic Oncology Program for consensus treatment planning by expert teams—so patients benefit from multiple opinions with regard to their care. The Comprehensive Cancer Center offers medicine's most advanced technologies, including the first digital Integrated Brachytherapy Unit (IBU) in North America, North Carolina's first Gamma Knife for nonsurgical treatment of brain tumors and venous malformations, one of the nation's first Bioanatomic Imaging and Treatment Programs, and "next generation" treatments such as Intensity Modulated Radiation Therapy (IMRT). These new approaches allow for a level of accuracy and focused treatment

never before possible. The Comprehensive Cancer Center's research programs are structured to optimize interdisciplinary and translational research, working together to take the most promising discoveries from the laboratory into the clinic for the benefit of patients.

Downtown Health Plaza

The Downtown Health Plaza is a full-service, outpatient medical clinic that serves many of Forsyth County's uninsured and underinsured residents with a state-of-the-art medical home. Experts from 12 Wake Forest Baptist departments provide coordinated care that includes adult medicine, pediatric care, and obstetrics and gynecology, as well as an onsite pharmacy, laboratory and radiology services (including mammography). The Downtown Health Plaza plays a significant role in community health providing community health fairs, diabetes education and annual, free prostate screenings. More than 61,000 patient visits were recorded at the Plaza between July 2009 and June 2010. Costs are subsidized by Wake Forest Baptist, and charity care is provided based on family income at or below 200 percent of the federal poverty guidelines. The Downtown Health Plaza provides a welcoming, family-centered, multiculturally sensitive approach to care, and turns no one away on the basis of ability to pay for services. Staffed by a team that is deeply committed to improving the health of the community, and not just via clinical care.

Emergency, Trauma and Transport Services

The Emergency Department includes four areas to rapidly assess and care for patients requiring immediate service. Wake Forest Baptist's Level I Trauma Center was the first in North Carolina to be accredited by the American College of Surgeons. The Level I trauma designation is the highest awarded and indicates the 24-hour availability of a full range of trauma experts, including a specialized 8-bed burn unit for adults and children. The Pediatric Emergency Department is unique in the region and provides specialized care to children and their families. AirCare Critical Care helicopter and ground transport services reach out over 150 miles to provide services to patients

Clinical Highlights and Services (continued)

within the region, Virginia and West Virginia. The Emergency Department won a Thomson Reuters 2009 Healthcare Advantage Award for performance efficiency—reducing length of stay by half. The ED has twice been named a *Best Overall Performer for Emergency Department Flow* by the University HealthSystem Consortium (UHC). The ED recorded more than 96,570 patient visits in fiscal year 2010 and has applied process improvement methodologies to optimize patient visits, resulting in the lowest average length of stay recorded by UHC benchmarking studies—3.29 hours—for Level I Trauma Centers. No one is ever turned away because of inability to pay.

The Heart Center

The Heart Center of Wake Forest Baptist is internationally known for pioneering work in diagnostic technologies, treatment innovation and improved outcomes in cardiac procedures, and includes western North Carolina's only Advanced Cardiac Care and Transplant Program. The Heart Center is recognized as one of the top academic medical center cardiovascular programs in the country, with the first Chest Pain Center accredited by the Society of Chest Pain Centers in the region, has disease specific certification from The Joint Commission in acute myocardial infarction and congestive heart failure, the American College of Cardiology Gold Performance Award for heart attack care, and the highest possible recognition for quality cardiac surgery from the Society of Thoracic Surgeons (STS). Technology strengths include one of the nation's first cardiac computed tomography (CT) systems, clinical development of cardiovascular MRI, and 3-D echocardiography. Heart Center electrophysiologists provide state-of-the-art therapies including catheter and surgical ablations for atrial fibrillation, ventricular tachycardia and other complex arrhythmias as well as implantation of cardiac defibrillators and pacing devices—including one of the nation's first wireless pacemaker implants. The Center's cardiothoracic surgeons are recognized as leaders in heart valve repair, replacement and research. The cardiac rehabilitation program was North Carolina's first and one of the first in the United States.

Neurology and Neurosurgery

Wake Forest Baptist offers state-of-the-art specialty care for patients with brain tumors, and neurological and movement disorders. Specialty centers include the Primary Stroke Center, which has been awarded Advanced Certification Gold Seal of Approval[™] from The Joint Commission for Primary Stroke Centers, indicating compliance with best practices; Brain Tumor Center of Excellence; Comprehensive Epilepsy Center; Multiple Sclerosis Treatment Center; Sleep Disorders Center; Deep Brain Stimulator Program (for patients with Parkinson's disease or tremor); and ALS Center, one of only two in North Carolina. Wake Forest Baptist has one of the nation's most experienced Gamma Knife treatment teams for non-invasive treatment of certain brain tumors and abnormalities, as well as the most advanced, next-generation technology, the Leksell Gamma Knife® PerfexionTM. It is also home to North Carolina's only MEG (magnetoencephalography) unit, a noninvasive diagnostic tool that pinpoints brain activity centers and helps to assure the greatest precision in neurosurgical planning.

Transplantation Services

Wake Forest Baptist transplantation services are unique in the region and encompass kidney, pancreas, heart, corneal and blood and marrow transplants. The Heart Center at Wake Forest Baptist performs heart transplants and offers the community's only ventricular assist device program. The abdominal organ transplantation program performed more than 160 transplants in fiscal year 2009, ranking it among the nation's top 30 most active kidney transplant centers and the top 15 most active for pancreas transplants. The blood and marrow transplant program operates the nation's second-largest collection site. The Wake Forest Institute for Regenerative Medicine is on the front lines of tissue engineering research to expand the possibilities for transplanted organs created from patients' own tissue. Scientists at the Institute are working to grow more than 22 organs and tissues, and are first in the world to successfully implant a laboratory-grown organ into humans.

Clinical Highlights and Services (continued)

Other Clinical Services

- Amos Cottage (pediatric behavioral and development services)
- · Asthma and Pulmonary Rehab Programs
- Baptist Hospital Pharmacy
- Bariatric Surgery Program
- · Behavioral Health
- CareNet Counseling Center
- Center for Comprehensive Wound Care
- · Center for Health Promotion (tobacco cessation)
- Center for Human Genomics and Medical Genetics
- Chemical Dependency Treatment (outpatient)
- Clinical Lipid Center of Wake Forest University
- Community Physicians (formerly Aegis)
- · Comprehensive Hemophilia Center
- Comprehensive Sickle Cell Program
- Dermatologic Services (Cosmetic Dermatology Center, Psoriasis Skin and Treatment Center)
- · Diabetes Care Center
- Dialysis and Nephrology Services
- Digestive Health Center
- ENT/Otolaryngology (including Center for Voice and Swallowing Disorders, head and neck cancers/microvascular reconstruction, hearing and speech, sinus and allergy, facial plastic and reconstructive surgery)
- Family and Community Medicine
- · Foot and Ankle Center
- · Genetic Services and Screening
- · Geriatric Services
- · Hand and Microsurgery Center
- Internal Medicine
- · International Travel Clinic
- North Carolina Center for Cleff and Craniofacial Disorders
- Obstetrics and Gynecology (Center for Reproductive Medicine, Comprehensive Fetal Care Center, Prenatal Diagnostic Center, GYN Oncology, Menopause Clinic and more)
- · Oncology Orthopaedics Center
- · Plastic and Reconstructive Surgery
- · Positron Emission Tomography (PET) Center
- · Primary Care
- Rehabilitation Services (Neurorehabilitation Center) (inpatient, outpatient)

- Spine Center
- Sports Therapy Center
- Surgical Services (state-of-the-art operating rooms, laparoscopic and robotic procedures)
- Total Joint Replacement Center
- University Dental Associates
- Urology (Continence Center)
- Vascular and Endovascular Surgery
- Wake Forest University Eye Center
- Wake Forest Baptist Imaging
- Wellness and Corporate Health Services (including Executive Physical Program)
- Women's Health Services

History

The Medical School was founded in 1902 as a two-year medical school on the campus of Wake Forest College. North Carolina Baptist Hospital opened in 1923 as an 88-bed hospital in Winston-Salem. The Medical Center was created when the medical school expanded to four years and moved to Winston-Salem in 1941. Brenner Children's Hospital was established in 1986. In July 2010 the Medical Center became a legally integrated organization. The Medical Center's campus now comprises 122 buildings on 218 acres. With more than 11,800 employees, it is the largest employer in Forsyth County.

Historical Highlights

1943 First graduating class of Bowman Gray School of Medicine receives M.D. degrees.

1944 North Carolina Baptist Hospital adds programs to train dietitians, nurse anesthetists and X-ray and medical technologists.

1947 School of Pastoral Care opens.

1961 Wake Forest College's first Ph.D. level graduate program is developed in anatomy at the medical school, followed by similar programs in physiology and pharmacology (1962), biochemistry (1963) and microbiology (1964).

1968 Medical school establishes a Division of Allied Health Sciences and begins Physician Assistant Program.

History (continued)

1974 Northwest Area Health Education Center (AHEC) is developed to improve the quality and accessibility of health care through education. Headquartered at the medical school, the AHEC serves a 17-county area.

School of Nursing closes.

1977 Obstetrical services in Forsyth County are consolidated at Forsyth Memorial Hospital.

1979 North Carolina Baptist Hospital opens a six-bed burn unit.

1982 Level I Trauma Center established.

1983 Magnetic resonance imaging (MRI) system installed, first in the state at an academic medical center.

1986 North Carolina Baptist Hospital establishes AirCare, a helicopter emergency medical service.

Brenner Children's Hospital is established as part of North Carolina Baptist Hospital through a gift from the Brenner Foundation.

1989 Bone marrow transplantation program established.

1990 National Cancer Institute designates Cancer Center of Wake Forest University a Comprehensive Cancer Center.

1991 Medical Center is named a Claude D. Pepper Older Americans Independence Center.

Medical Center employment exceeds 8,500, making it a leading Triad employer.

1997 Hospital and medical school become Wake Forest University Baptist Medical Center. Richard H. Dean, M.D., is named director of the Medical Center. Medical school is renamed Wake Forest University School of Medicine. Its Hawthorne campus is named the Bowman Gray Campus.

1999 BestHealth[®], a community resource and education center, opens at Hanes Mall.

2000 The School of Medicine establishes a Center for Human Genomics to facilitate the identification of high-risk genes linked to common diseases, enabling improved treatment.

2000 The Downtown Health Plaza of Baptist Hospital opens, replacing Reynolds Health Center.

2001 Wake Forest University Health Sciences is created to oversee operation of the School of Medicine and other business entities. Richard H. Dean, M.D., is the first president and chief executive officer. Governance is by a 13-member board of directors, eight of whom are university trustees.

2002 The School of Medicine establishes the Maya Angelou Research Center on Minority Health, now called the Maya Angelou Center for Health Equity.

Ardmore Tower West is opened. The \$142 million, 400,000square-foot tower includes 11 new floors, six of which house Brenner Children's Hospital.

2003 Microarray Core Facility opens, allowing rapid genetic analysis.

Classes begin at new School of Biomedical Engineering and Sciences operated jointly by WFU and Virginia Tech.

2004 Internationally recognized tissue engineering program moves to Wake Forest Baptist to become Institute for Regenerative Medicine.

Outpatient Comprehensive Cancer Center, a 250,000-squarefoot facility, opens.

2005 The School of Medicine establishes laboratory to develop transgenic and knockout mice to model human disease and shed light on the function of human genes.

2006 Biotechnology Research Facility 1, housing the Wake Forest Institute for Regenerative Medicine and the Lipid Sciences Research Program, opens in Piedmont Triad Research Park.

2007 Wake Forest Baptist announces major restructuring under a "single-CEO" organization. Len B. Preslar Jr. retires after 19 years as president of North Carolina Baptist Hospital. Richard H. Dean, M.D., retires after 10 years as head of WFU health programs.

Wake Forest Baptist announces plans to build a replacement hospital in eastern Davie County and a primary care center in Mocksville.

History (continued)

2008 Wake Forest Baptist, Moses Cone Health System and High Point Regional Health System form the Healthcare Alliance, LLC, in order to strengthen their working relationship, improve quality and explore opportunities to reduce costs.

John D. McConnell, M.D., is named as the first chief executive officer of the Medical Center.

Wake Forest Baptist's first primary care center and walk-in clinic opens in Mocksville.

Wake Forest Baptist becomes a legally integrated Medical Center.

Medical Center Firsts

Medical School creates the nation's first department of medical genetics.

Medical Center becomes the first in North Carolina to use cobalt to treat cancer patients.

Jesse Meredith, M.D., performs the first hand reimplantation in the United States.

Ultrasound is used to detect prostate cancer—a first in the nation.

Brenner Center for Adolescent Medicine opens, the first of its kind in the state.

Medical Center is first in the nation to use transcranial Doppler ultrasound, measuring atherosclerotic buildup on the walls of the carotid artery and imaging the arterial circulation in the brain.

Medical Center surgeons perform the first single-lung transplant in the state.

Medical Center cardiologists become the first in North Carolina to successfully open a blocked artery using a laser.

Medical Center is first in the state to have a molecular cytogenetics (cell genetics) laboratory and to use stereotactic radiosurgery to treat tumors and blood vessel abnormalities deep within the brain.

1997 J. Paul Sticht Center on Aging and Rehabilitation opens. First facility in the world to incorporate geriatric acute care, transitional care, psychiatry and rehabilitation under one roof.

1998 Wake Forest Baptist installs the first Gamma Knife in the state.

1999 Wake Forest Baptist is first in the world to report the successful use of magnetic resonance imaging (MRI) to diagnose significant blockages in blood vessels leading to the heart.

BestHealth®, the state's first community health resource center to be located in a shopping mall, opens in Hanes Mall.

North Carolina Baptist Hospital is the first in the state to achieve Magnet Award status from the American Nurses Credentialing Center (ANCC), a recognition that the nation's highest standards for nursing excellence are met.

Wayne VonSeggen, a Medical Center employee, is the first physician assistant ever elected to the North Carolina Medical Board and is later elected president.

2001 Physicians at Wake Forest Baptist are the first in the world to treat a brain tumor patient with the newly FDA-approved GliaSite® Radiation Therapy System.

Medical Center researchers begin the first national study on how pediatricians can help prevent violence. The study later determined that pediatricians generally feel ineffective in influencing violence prevention by counseling during office visits, and the researchers said further research should address how to increase effectiveness.

2002 School of Medicine researchers are first to report that social rank, whether an individual is dominant or subordinate, has a significant influence on cocaine abuse in monkeys.

Researchers from the School of Medicine and Advanced Cell Technology report that they have developed a large variety of specialized cell types—including heart and brain cells from embryonic monkey stem cells through a process called parthenogenesis.

The world's first live Internet broadcast of a deep brain stimulator implantation for Parkinson's disease—and the state's first live webcast of a surgical procedure of any kind—takes place at the Medical Center.

Firsts (continued)

2003 Wake Forest Baptist researchers are first to report that unidentified genes on chromosomes 18 and 3 are linked to severe kidney damage in younger blacks with diabetes.

Scientists at the Comprehensive Cancer Center develop a colony of mice that successfully fight off virulent transplanted cancers. The discovery of this genetic protection could explain why some people are protected against cancer despite prolonged and intense exposure to carcinogens.

2004 A Wake Forest Baptist ophthalmologist is the first to report that humidity and temperature levels can affect the results of LASIK surgery.

A Wake Forest Baptist pediatric pulmonologist is the first to show that patients with cystic fibrosis have very little mucous in their airways—not too much mucous as was previously thought.

Wake Forest Baptist researchers identify a gene involved in the action of insulin that is associated with type 2 diabetes. One common form of the gene seems to be associated with diabetes—another common form seems to be protective.

2005 The Medical Center is the first in North Carolina and surrounding states to install magnetoencephalography (MEG)— an innovative diagnostic tool that non-invasively measures minute magnetic brain activity and provides information about the location of normal and abnormal brain functions.

2006 The first human recipients of organs grown in the laboratory from the patients' own cells are reported by the Wake Forest Institute for Regenerative Medicine.

White blood cells from a strain of cancer-resistant mice, first reported in 2003, cure advanced cancers for the first time in ordinary laboratory mice and protect the mice from new cancers.

2007 The Institute for Regenerative Medicine announces success isolating true stem cells from placenta and amniotic fluid.

Scientists identify a gene associated with kidney failure in diabetes.

2008 Scientists from the Center for Human Genetics report that a simple blood test can help determine which men are likely to develop prostate cancer.

Public Resources

BestHealth®

Wake Forest Baptist's BestHealth resource center is the Triad's trusted source for health knowledge. Located at Hanes Mall in Winston-Salem, BestHealth offers health screenings, seminars and cooking classes as well as free blood pressure readings, a health information library, and a registered nurse to assist with health-related questions. The BestHealth membership program offers special programs, events and benefits. Online, WakeHealth. edu/besthealth provides a wealth of reliable, comprehensive information—from diseases, symptoms and surgeries to a drug interaction tool, interactive health calculators and more.

Health On-Call®

Health On-Call offers physician referral and answers to general health questions through a free 24-hour community access line operated by registered nurses, 336-716-2255 or 1-800-446-2255.

Physician's Access Line

The Physician's Access Line (PAL*) is a physician-to-physician hotline that provides convenient access to specialists on the Wake Forest Baptist faculty 24 hours a day, 7 days a week, to assist with patient transfers, referrals or consultations. The PAL® number is 1-800-277-7654.

Brenner Children's Hosptial has its own physician's access line called BrennerPAL®, 1-877-716-1999.

Websites

Wake Forest Baptist maintains three award-winning websites: an institutional site at WakeHealth.edu, offering information about services of the Medical Center, a consumer health information site at WakeHealth.edu/besthealth, and a site for children and parents at brennerchildrens.org.

Wellness and Corporate Health Services

This service specializes in corporate wellness programs for Winston-Salem and surrounding areas. Wellness and Corporate Health Services provides the corporate community access to medical services, wellness programs and resources available through the Medical Center, including on-site health screenings,

Public Resources (continued)

risk assessments and education to improve employee health. Wellness and Corporate Health Services works with businesses to promote health at the worksite—an important key to reducing high health care costs. Call 336-716-1270 or go to WakeHealth.edu/wellness-and-corporate-health-services/ for more information.

Other Resources

Northwest AHEC

The Northwest Area Health Education Center (AHEC) is a center of Wake Forest Univeristy Baptist Medical Center and a part of the N.C. AHEC Program. Its mission is to improve the supply, distribution and quality of health and human service personnel in its 17-county region. Northwest AHEC exposes underrepresented minority and disadvantaged students in grades K-12 to health careers, provides support for college students and health professions' students in community-based rotations, supports primary care and psychiatry residency programs, offers education and training for health professionals, and provides technical assistance to community health coalitions.

Service Excellence

The Service Excellence Department is available to assist patients, family members and visitors with problems, concerns or needs related to hospitalization. Spanish interpreters are available 24 hours a day, 7 days a week, to assist in effective communication between patients and staff. Service Excellence also assists with other interpreters (i.e., sign language and other foreign languages) as needed.

Visual and Performing Arts Program

The Visual and Performing Arts Program provides entertaining and inspirational programs and exhibits for Medical Center patients, visitors and employees, including in-house art galleries and the *Arts Alive!* performing arts series.

Community Support

Amos Cottage Guild

This organization provides volunteer services such as pet therapy and monthly birthday celebrations, and raises funds that make possible special celebrations for the children and supplies used by Amos Cottage therapists.

Friends of Brenner

Friends of Brenner Children's Hospital are volunteers who support the hospital through fundraising and community awareness activities. With more than 1,000 members, Friends has four major fund raising events each year.

Medical Center Guild

The Guild, an organization for spouses of faculty and house staff, hosts prospective medical students and newcomer luncheons and undertakes many projects and fundraisers benefiting Wake Forest Baptist.

Volunteer Services

The hospital has more than 1,200 volunteers who contribute more than 173,000 hours of service a year working in a variety of jobs that include everything from assisting family members in the Emergency Department to playing with the children in Brenner Children's Hospital.

Charitable Support

In fiscal year 2010, Wake Forest Baptist received \$25.2 million in philanthropic support from 9,586 donors. Donors designated their support to many areas of the Medical Center, primarily to medical research. The majority of the gifts and grants (\$22.4 million) supported nonendowed, immediate-use initiatives.

For more information about how to support the Medical Center, please call the Office of Development and Alumni Affairs at 336-716-4589 or 800-899-7128.

At Work in Our Community

Health Services and Collaborations

Wake Forest Baptist Medical Center operates and funds a variety of programs focused on community health. It also supports independent and collaborative community health efforts with funding and in-kind services.

At Work in Our Community (continued)

Community Health Programs Operated by Wake Forest Baptist:

- · BestHealth® Community Health Resource Center
- Downtown Health Plaza of Baptist Hospital
- Health On-Call® (free 24-hour health information phone line)
- Mother's Day Offering (fund to assist needy patients at NCBH)
- Physician's Access Line / PAL* (24-hour physician to physician phone line)
- Brenner Physician's Access Line / BrennerPAL®

Community Programs Supported by Wake Forest Baptist:

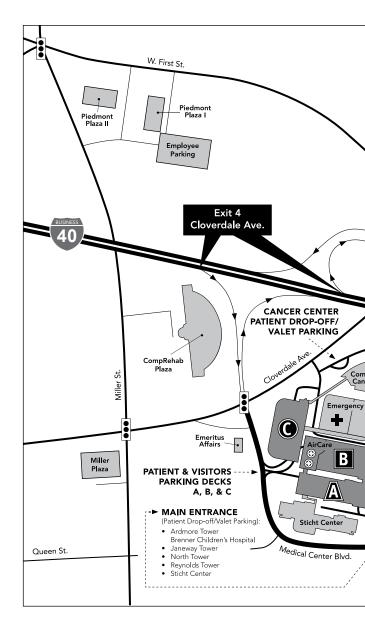
(These programs are supported through professional leadership, in-kind services, donations or other services.)

- Community Care Center (free medical care center operated by Davie/Forsyth/Stokes Medical Society)
- Community Sponsorships (for events from organizations such as the American Heart Association, the Komen Foundation, American Cancer Society, Juvenile Diabetes Research Foundation and N.C. Stroke Association)
- Crisis Control Pharmacy (NCBH funds a part-time pharmacist for this community service providing prescription medications to the needy.)
- DEAC Clinic (Delivering Equal Access to Care) (initiated and developed entirely by a group of WFU medical students)
- The Elder Law Clinic
- Forsyth County Healthy Community Coalition (community health assessment and resource planning)
- Forsyth County Infant Mortality Reduction Coalition (community advocacy partnership)
- · Forsyth Futures
- HealthCare Access, Inc. (initiative to equitably share the burden of indigent care in Forsyth County)
- Leadership Winston-Salem
- · N.C. Prevention Partners
- Resident Child Advocacy Program (community-focused child advocacy training for NCBH pediatric residents)
- Safe Communities Coalition (multi-agency focus on injury prevention)
- School Health Alliance for Forsyth County (SHA) (schoolbased services)

- School Health Advisory Council (SHAC) (focusing on school policy and system changes to improve student health, safety)
- United Way of Forsyth County (annual fundraising leadership)
- Winston-Salem/Forsyth County Arts Council (Wake Forest Baptist promotes annual fundraising campaign)
- · YMCA of Northwest North Carolina

Medical Center Telephone Numbers

(Area Code 336)	
Medical Center	716-2011
Admitting and Registration	716-3122
Alumni Affairs	716-4589
Billing and Collections Customer Service	716-4729
Blood Bank	716-2618
Carpenter Library	716-4691
Communications, Marketing & Media	716-4587
Dean's Office	716-5026
Emergency Department	713-9000
Graduate School	716-4303
Human Resources	716-4717
Marketing Response Center	716-WAKE (9253)
Toll Free	1-888-716-WAKE
Medical Education	716-4524
Medical School Admissions	716-4264
Northwest AHEC	713-7700
Nursing Administration	716-3418
Patient Information	713-0000
Service Excellence	713-2273
Sticht Center Administration	713-8570
Student Services	716-4271
WFU Physicians Business Office	716-3988
Toll Free	1-877-938-7497
WFU Physicians Medical Director	716-4603
Community Resources	
BestHealth® (Hanes Mall)	713-BEST (2378)
Brenner Physician's Access Line	713 DE01 (2370)
(BrennerPAL®)	1-877-716-1999
,	or 1-800-446-2255
Physician's Access Line (PAL*)	1-800-277-7654
Volunteer Services	713-3514
Wellness & Corporate Health Services	,
vicinicss & Corporate ricardi services	710-1270



Medical Center Campus Map

Directions

From Statesville From Business 40 East, take the Cloverdale Ave. exit. Go straight at light onto Medical Center Blvd. Turn left into Patient & Visitor Parking Deck. For valet parking, go up hill and around curve to Main Entrance. Turn left, Go under building and straight ahead.

From Greensboro From Business 40 West, take the Cloverdale Ave. exit. Turn right onto Cloverdale Ave. At traffic light, turn left onto Medical Center Blvd. Turn left again into Patient & Visitor Parking Deck. For valet parking, go up hill and around curve to Main Entrance. Turn left. Go under building and straight ahead. W. First St. Beach St. Winston-Salem (Downtown) Employee Parking Hawthorne Rd. prehensive cer Center Nutrition Bldg. Hanes enner Children's Hospital Bldg. Ardmore Babcock Auditorium North Tower Gray Bldg. Employee Parking Tower Reynolds Watlington { Hall Tower Employee Parking Meads Hall MRI Bldg. Ronald Progressive McDonald Care Bldg. House

Wake Forest Baptist Medical Center

Fact Book 2011

Mailing Address

Wake Forest Baptist Medical Center Medical Center Boulevard Winston-Salem, NC 27157



Medical Center Boulevard Winston-Salem, NC 27157 WakeHealth.edu

A Mission to Care. A Mission to Cure.