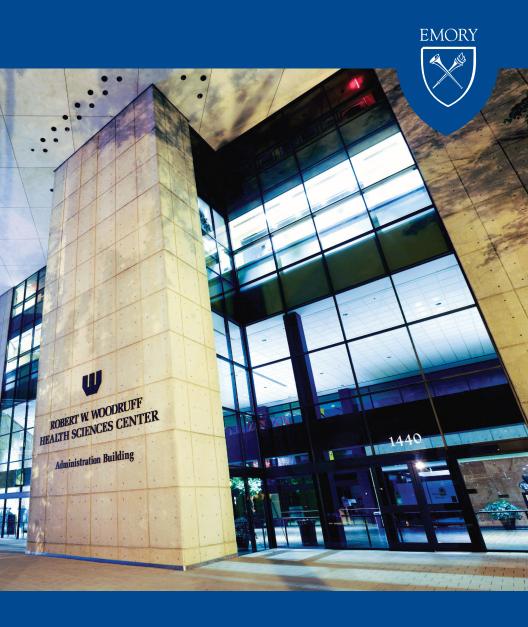
# WOODRUFF HEALTH SCIENCES CENTER | 2016

# At a Glance





Emory's Woodruff Health Sciences
Center is working to pioneer new
ways to prevent and treat disease,
prepare the next generation to save
and improve lives, provide the
highest-quality clinical care possible,
and serve the community.

#### Jonathan S. Lewin, MD

Executive VP for Health Affairs, Emory University
Executive Director, Woodruff Health Sciences Center
President, CEO, and Board Chairman, Emory Healthcare







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ounded in 1966, the Woodruff Health Sciences Center is named for the legendary leader of the Coca-Cola Company, Robert W. Woodruff. It includes three schools, a national primate research center, a cancer institute, and the most comprehensive health care system in the state. The center is a component of Emory University (see box at bottom), and many of its facilities are located on Emory's main campus, five miles east of downtown Atlanta. The center also has clinical facilities throughout metro Atlanta and the state.

#### **Center Components**

- Emory University School of Medicine
- Nell Hodgson Woodruff School of Nursing
- Rollins School of Public Health
- Yerkes National Primate Research Center
- Winship Cancer Institute
- Emory Healthcare
  - Emory University Hospital
  - Emory University Hospital Midtown
  - Emory University Orthopaedics & Spine Hospital
  - Emory Rehabilitation Hospital
  - Emory Saint Joseph's Hospital
  - Emory Johns Creek Hospital
  - Emory University Hospital Smyrna
  - Emory Clinic
  - Emory Specialty Associates (outreach physician practice organization with locations throughout the city and state)
  - Emory Wesley Woods Campus (includes Emory University Hospital at Wesley Woods, skilled nursing care, and residential retirement facilities)
  - Emory Healthcare Network (clinically integrated network of Emory faculty and private practice physicians and hospitals formed to improve care coordination and quality outcomes)

The Woodruff Health Sciences Center is part of Emory University, which also includes Emory College of Arts and Sciences, Oxford College, Laney Graduate School, Goizueta Business School, Emory School of Law, and Candler School of Theology. Including health sciences, Emory has a total of 14,724 students, 4,417 faculty, 29,388 employees, and an endowment of \$6.7 billion, which ranks 17th among U.S. universities.

### **Comprehensive Figures in Health Sciences**

<b>-</b>
Faculty
Adjunct faculty
Students and trainees
• Medical
Medical residents and fellows
• Nursing
• Public health
• Postdocs
• Allied Health
Graduate Division of Biological & Biomedical Sciences
• MD/PhD91
Master's in Clinical Research
Employees (includes 3,035 faculty)24,067
Hospital beds
Annual Emory Healthcare hospital admissions
Annual Emory Healthcare outpatient service visits4.1 million
Annual Emory Healthcare nursing home admissions
Individual patients treated annually in Emory Healthcare
Annual patient service visits, including affiliate hospitals6.4 million
Research funding (fiscal year 2015)\$537.1 million
Annual operating expenditures\$3.7 billion
Annual economic impact on metro Atlanta\$7.2 billion
Charity care (fiscal year 2015)\$67.4 million
Endowment\$2.5 billion
Total buildings>100
Total net square feet

# Emory University School of Medicine (founded 1854)

Christian Larsen, MD, DPhil, Dean med.emory.edu

Emory University School of Medicine has 2,555 full- and part-time faculty and 631 volunteer faculty. The school had more than 8,100 applications in 2015 for 138 first-year medical student positions. This racially diverse class is 60% women, and 70% of the class members are nontraditional, meaning that they were out of college for at least a year before entering medical school. In 2015, the pass rate for first-time takers of step 1 of the National Board Exam (testing basic science knowledge and skills) was 99%.

The school has 562 students and trains 1,238 residents and fellows in 100 accredited programs. The school has 91 MD/PhD students in one of 45 NIH-sponsored Medical Scientist Training Programs. Some of these students

are in a joint program with Georgia Tech, with which the medical school shares a biomedical engineering department ranked second in the country by *U.S. News & World Report*. The medical school also offers a joint MD/MSCR (master's in clinical research) degree, an MD/MPH degree with public health, and an MD/MA in bioethics with Emory's Laney Graduate School. Dual programs with law (juris master) and business (MBA) also are available. Some 254 medical faculty also train predoctoral bioscience researchers in one or more of eight programs in the Graduate Division of Biological and Biomedical Sciences in the graduate school.

Faculty in five allied health programs train 524 students. These include a physician assistant (PA) program ranked third in the nation by *U.S. News & World Report* and a physical therapy (PT) program ranked fifth.

Medical school faculty received \$363 million in sponsored research funding in fiscal year 2015, plus another \$77.6 million in funds received by medical faculty at other units in the health sciences center and at the Atlanta VA Medical Center. Ranked 18th nationally in NIH dollars received, the school is best known for its research and treatment in infectious disease, neurosciences, heart disease, cancer, transplantation, orthopaedics, pediatrics, renal disease, ophthalmology, and geriatrics.

Physician faculty in Emory's hospitals, affiliate teaching hospitals, and outpatient venues were responsible for 4.9 million patient service visits in 2015. Alumni totals: 5,796 medical school, 10,810 residency/fellowship, 5,922 allied health (the latter includes 1,187 PT and 1,736 PA alumni). About 25% of the physicians in Georgia have trained at Emory. In addition to the school's regular education programs, 5,840 physicians and other health care professionals participated in continuing medical education classes offered by Emory.

# **Nell Hodgson Woodruff School of Nursing** (founded 1905) *Linda McCauley, PhD, RN, FAAN, FAAOHN, Dean* nursing.emory.edu

The Nell Hodgson Woodruff School of Nursing has 322 bachelor's, 194 master's, 29 PhD, and 17 doctor of nursing practice (DNP) students. Bachelor's degree graduates go on to become national and international leaders in patient care, public health, government, and education. Master's degree graduates are qualified to seek certification as nurse practitioners, nurse midwives, and/or clinical nurse specialists. The school's PhD program focuses on clinical research. Its DNP program offers two specialty tracks: health systems leadership and population health.

The school offers a dual undergraduate degree with several colleges, dual master's degrees with public health and with Emory's Laney Graduate School in bioethics as well as an accelerated BSN/MSN program for students with degrees in other fields who want to serve the community as advanced practice nurses.

In fiscal year 2015, the school received \$14.3 million in research funding from all sources and ranks fourth nationally in NIH funding. The school is

ranked eighth overall by *U.S. News & World Report* and second in the Southeast. The school has 121 faculty, and students can learn from 120 adjunct faculty at 300 clinical sites, including an alternative winter/spring break in three countries and a multiuniversity, multidisciplinary summer program with Georgia migrant farmworkers. The school has 7,265 alumni.

### Rollins School of Public Health (founded 1990)

James Curran, MD, MPH, Dean sph.emory.edu

The Rollins School of Public Health has 1,131 master's degree students and 169 PhD students who choose from degree options in behavioral sciences and health education, biostatistics and bioinformatics, epidemiology, environmental health, health policy and management, and global health.

A leader in interdisciplinary studies, the school offers dual-degree programs with medicine, nursing, physician assistant, physical therapy, business, theology, law, and the graduate school. A distance-based master's program, the Executive MPH, allows professionals to pursue a degree while they are employed.

In fiscal year 2015, the school received \$90 million in research funding, supporting efforts in cancer prevention, cardiovascular epidemiology, nutrition, environmental health, HIV/AIDS, safe water, tobacco control, mental health, addictive behaviors, injury and violence, antibiotic resistance, diabetes and obesity, and health services. The school ranks ninth nationally in NIH funding.

Many of the 296 full- and part-time faculty and 450 adjunct faculty in six academic departments are linked by appointments, shared programs, or research grants with the CDC, Carter Center, American Cancer Society, CARE, Arthritis Foundation, Task Force for Global Health, and state and local public health agencies. Through these partnerships and in its role as a center for international health research and training, the school helps make Atlanta a worldwide destination for public health. The school is ranked seventh among peer institutions by *U.S. News & World Report.* It has 7,520 alumni.

### Yerkes National Primate Research Center (founded 1930)

R. Paul Johnson, MD, Director yerkes.emory.edu

One of seven national primate research centers funded by the NIH, Yerkes provides leadership, training, and resources to foster scientific creativity, collaboration, and discoveries. Its research is grounded in scientific integrity, expert knowledge, respect for colleagues, an open exchange of ideas, and compassionate, quality animal care. Studies involve 3,000 nonhuman primates. Approximately 1,000 of these are at the main center on the Emory campus, and another 2,000 are at a 117-acre facility in

Lawrenceville, Ga. The center also has 10,000 rodents in its research vivaria.

Yerkes has 357 staff members, 58 faculty scientists, and 150 students participating in research programs. Supported by \$66.6 million in research funding (all sources) in fiscal year 2015, Yerkes ranks first in NIH funding among primate centers nationwide. Yerkes is making landmark discoveries in microbiology and immunology; neurologic diseases; neuropharmacology; behavioral, cognitive, and developmental neuroscience; and psychiatric disorders. The center's research focuses on vaccines for infectious and noninfectious diseases, the basic neurobiology and genetics of social behavior, and new treatment strategies for improving social functioning in autism spectrum disorder and schizophrenia. Research also seeks to interpret brain activity through imaging, increase understanding of progressive illnesses such as Alzheimer's and Parkinson's, unlock the secrets of memory, treat drug addiction, determine how interaction between genetics and society shape who we are, and advance knowledge about evolutionary links between biology and behavior. Since 1985, the center has been fully accredited by the Association for Assessment and Accreditation of Laboratory Animal Care International, regarded as the gold seal of approval for laboratory animal care.

### Winship Cancer Institute of Emory University (founded 1937)

Walter J. Curran Jr, MD, Executive Director winshipcancer.emory.edu

The Winship Cancer Institute is the only National Cancer Institute—designated cancer center in Georgia and one of only 69 in the country. Winship has 355 faculty and received \$82.7 million in research funding in 2015, with \$31.8 million from the NCI. Faculty include investigators in the schools of medicine, public health, and nursing; Emory College; and Georgia Tech. They collaborate with professionals from around the world and with national and state agencies, including the CDC, American Cancer Society, and Georgia Research Alliance.

Winship physicians provide care at Emory University Hospital, Emory University Hospital Midtown, Emory Saint Joseph's Hospital, Emory Johns Creek Hospital, Grady Memorial Hospital, the Atlanta VA Medical Center, and Aflac Cancer Center at Children's Healthcare of Atlanta. In addition to using state-of-the-art approaches to therapy, Winship facilitates cancer prevention, treatment, and survivorship through support groups and integrated complementary therapies.

Winship investigators conducted 250 therapeutic clinical trials and enrolled nearly 800 patients in 2015. Winship has the largest unit in Georgia for phase 1 clinical trials, which are important to introducing new therapies against cancer. Winship works with the Georgia Center for Oncology Research and Education to partner with community-based physicians to expand availability of clinical trials throughout Georgia. In 2016 Winship also launched Winship Cancer Network, a partnership with community hospitals enhancing access to research and treatment.

### Emory Healthcare (EHC) (founded 1997)

Jonathan S. Lewin, MD, President, CEO, and Chairman of the Board Christian P. Larsen, MD, DPhil, EHC Physician Group President Dane Peterson, MBA, EHC Hospital Group President emoryhealthcare.org

The most comprehensive health system in Georgia, Emory Healthcare (EHC) includes Emory University Hospital, Emory University Hospital Midtown, Emory University Orthopaedics & Spine Hospital, Emory Rehabilitation Hospital, Emory Saint Joseph's Hospital, Emory Johns Creek Hospital, Emory University Hospital Smyrna, Emory Clinic, Emory Specialty Associates, facilities at Emory Wesley Woods Campus, and the Emory Healthcare Network. It also includes a joint venture with Select Medical for long-term acute care (88 beds) and rehabilitation medicine (56 inpatient beds and 24 outpatient facilities).

In fiscal year 2015, EHC had \$2.8 billion in net revenue and provided \$67.4 million in charity care. It has 16,013 staff employees and 1,958 hospital beds (20 additional beds coming online in 2016 and another 128 in 2017). Annual hospital admissions total 69,093, and outpatient service visits, 4.1 million. In fiscal year 2015, clinicians in EHC saw 597,444 individual patients. In addition to patient care locations listed on pages 8-9, Emory physicians serve as medical directors of MinuteClinic locations in CVS pharmacy stores throughout Atlanta.

# **Emory Healthcare Components**

Emory University Hospital (founded 1904)

Bryce Gartland, MD, CEO emoryhealthcare.org/emory-university-hospital-atlanta

An adult, tertiary/quaternary care facility, Emory University Hospital (EUH) has 605 licensed beds, including 82 beds at EUH at Wesley Woods (see page 11), which also houses 18 joint-venture long-term acute care beds. A 450,000-square-foot addition to EUH, opening in 2017, will increase total licensed beds by 128. Staffed by 1,345 Emory School of Medicine faculty physicians, EUH includes 93 ICU beds and a Serious Communicable Diseases Unit where the first Ebola patients in the U.S. were treated. Patients in fiscal year 2015: 22,105 admissions and 163,835 outpatient service visits. Staff employees: 3,910.

EUH has the nation's fifth busiest solid organ transplant center and is also long known for services in cardiology, cardiac surgery, oncology, neurology/ neurosurgery, and orthopaedics. EUH is a "Magnet" hospital, earned by only 6% of U.S. hospitals for nursing excellence from the American Nurses Credentialing Center. For the fifth consecutive year, the University HealthSystem Consortium (UHC) ranked EUH in the top 10 for quality and service out of 102 U.S. academic hospitals. EUH has one of the highest case-mix indexes (a measure

of complexity of illness treated) among these UHC-ranked facilities. In 2015 *U.S. News & World Report* again ranked EUH the No. 1 hospital in both metro Atlanta and Georgia. For the 18th year in a row, Atlanta health care consumers named EUH the Consumer's Choice Award winner.

### Emory University Hospital Midtown (founded 1908)

Daniel Owens, MBA, CEO

emoryhealthcare.org/emory-university-hospital-midtown-atlanta

A tertiary care facility, Emory University Hospital Midtown (EUHM) has 511 licensed beds, including 30 joint-venture long-term acute care beds. It is staffed by 1,268 Emory School of Medicine faculty and 444 private practice physicians. EUHM has 68 ICU beds, in addition to 36 beds in a level III neonatal ICU. Another 20 beds are scheduled to come online later this year.

Patients in fiscal year 2015: 21,588 admissions and 207,784 outpatient service visits. Staff employees: 2,903. EUHM has a high case-mix index and is well known for services in cardiology, cardiac surgery, gastroenterology, neurosurgery, cancer, orthopaedics, and emergency medicine. Women's services include prenatal and postnatal education, bone density testing, mammography, and obstetrics, with specialization in high-risk pregnancy.

# Emory University Orthopaedics & Spine Hospital (founded 2007)

Bryce Gartland, MD, CEO

June Connor, RN/MN, COO/CNO

emoryhealthcare.org/emory-orthopaedics-spine-hospital

An extension of Emory University Hospital's acute care services, Emory University Orthopaedics & Spine Hospital is located 6.6 miles northeast of the university campus. It has 120 licensed beds and seven ORs and has ranked in the top 10% of hospitals in the country for eight years in patient satisfaction. Patients in fiscal year 2015: 2,856 admissions. Staff employees: 253.

### **Emory Rehabilitation Hospital** (founded 1976)

Eric Garrard, CEO, (Emory Healthcare–Select Medical Joint Venture) emoryhealthcare.org/rehabilitation/

Emory Rehabilitation Hospital (ERH) has 56 beds and is staffed by 94 Emory faculty physicians. Formerly called Emory Center for Rehabilitation Medicine, ERH was designated as a freestanding hospital in 2014 as part of a joint venture with Select Medical, which also includes 24 outpatient rehab facilities and a day rehab program. Specializing in stroke, ERH is one of the nation's highest acuity rehabilitation hospitals. Patients in fiscal year 2015: 842 admissions and 102,842 outpatient service visits. Emory Rehabilitation Joint Venture employees: 315.

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# **Emory Healthcare**

#### Inpatient care

- Emory University Hospital (includes EUH at Wesley Woods)
- Emory University Hospital Midtown
- Emory University Orthopaedics & Spine Hospital
- Emory Rehabilitation Hospital
- · Emory Saint Joseph's Hospital
- Emory Johns Creek Hospital
- · Emory University Hospital Smyrna

#### **Outpatient care**

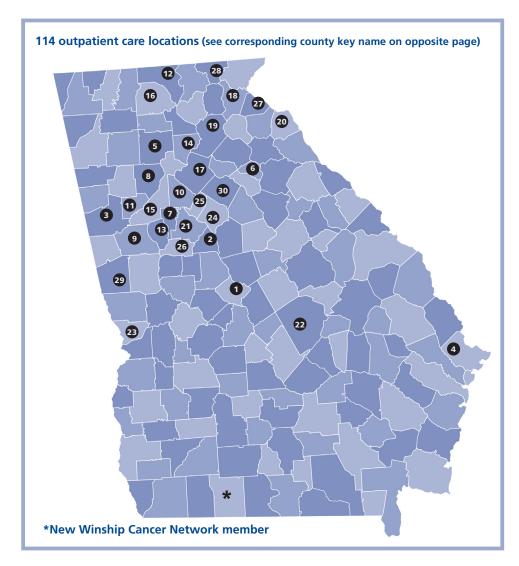
Emory Clinic and Emory Specialty Associates together have 114 group practice locations and ambulatory service sites throughout Atlanta and Georgia, plus one in Murphy, NC.

#### County/number of outpatient locations (see map at right)

- 1 Bibb (Macon): one
- 2 Butts (Jackson): one
- 3 Carroll (Villa Rica): one
- 4 Chatham (Savannah): one
- 5 Cherokee (Canton): one
- 6 Clarke (Athens): two
- 7 Clayton (Morrow, Riverdale): two
- **8 Cobb** (Acworth, Austell, Kennesaw, Marietta, Smyrna): eight
- 9 Coweta (Sharpsburg): one
- 10 DeKalb (Atlanta, Decatur, Dunwoody, Lithonia, Tucker): 23, including Emory Clinic sites on Clifton Road, Winship Cancer Institute, Emory Orthopaedics & Spine Center at Executive Park, and the Brain Health Center (psychiatry and neurology services) at Executive Park
- 11 Douglas (Douglasville): one
- 12 Fannin (Blue Ridge): one
- **13 Fayette** (Fayetteville, Peachtree City): four
- 14 Forsyth (Cumming): five

- 15 Fulton (Alpharetta, Atlanta, Johns Creek, Milton, Roswell): 18, including Emory Midtown
- 16 Gilmer (Ellijay): one
- 17 Gwinnett (Buford, Dacula, Duluth, Lawrenceville, Norcross, Snellville, Suwanee): 12
- 18 Habersham (Demorest): one
- 19 Hall (Gainesville): one
- 20 Hart (Royston): one
- **21 Henry** (Locust Grove, McDonough, Stockbridge): eight
- 22 Laurens (Dublin): one
- 23 Muskogee (Columbus): one
- 24 Newton (Covington): three
- 25 Rockdale (Conyers): two
- 26 Spalding (Griffin): three
- 27 Stephens (Toccoa): two
- 28 Towns (Hiawassee): one
- 29 Troup (LaGrange, West Point): six
- 30 Walton (Monroe): one

For more detailed location information about clinic locations, see **emoryhealthcare.org/locations/the-emory-clinic/index.html**.



#### **Emory Healthcare Network** (founded 2011)

The entities on page 8 and in the above map are part of the broader Emory Health-care Network (EHN), a clinically integrated network made up of nearly 2,000 Emory and private practice physicians and seven hospitals. EHN was formed to improve care coordination and quality outcomes as well

as control costs for patients and the community. It is the largest academically based clinically integrated network in Georgia, with 200 provider locations across the state, and its physicians practice in more than 70 specialties, including more than 220 physicians who practice primary care.

### Winship Cancer Network (launched 2016)

Winship Cancer Network was launched to enhance access to Winship research and care to select hospitals and medical practices across Georgia and the Southeast. Archbold Memorial Hospital in Thomasville (asterisk on above map, Thomas County) is the first member, with more slated to join later this year.

### Emory Saint Joseph's Hospital (founded 1880)

Heather Dexter, MBA, MHA, CEO emoryhealthcare.org/saintjosephs

An acute care facility in the north metro area, Emory Saint Joseph's Hospital (ESJH) has 410 beds. It has 387 Emory medical faculty physicians, 605 private practice physicians, and 28 Emory Specialty Associate physicians. Noted especially for cardiac care, ESJH provides training to physicians from around the world in robotic surgery for valve repair and is a primary location for cardiac rehab. The hospital is noted also for cancer, neurologic, vascular, gastrointestinal, respiratory, and orthopaedic care and is ranked among the top 25 hospitals nationally for joint replacement by the Centers for Medicare and Medicaid Services. ESJH has 62 ICU beds and is a "Magnet" hospital, recognized for its nursing excellence by the American Nurses Credentialing Center. Patients in 2015: 14,577 admissions and 114,120 outpatient service visits. Staff employees: 1,747.

Community services include free health screenings and in-kind donations to local organizations supporting the homeless and indigent.

### Emory Johns Creek Hospital (founded 2007)

Marilyn Margolis, MSN, CEO emoryhealthcare.org/emory-johns-creek-hospital

Located in the north metro area, Emory Johns Creek Hospital (EJCH) is a 110-bed acute care facility staffed by 310 Emory faculty, 359 private practice physicians, and 44 Emory Specialty Associate physicians. Services include emergency medicine, a birth center with level III neonatal intensive care, adult intensive care, an infusion center, breast imaging with 3-D tomography, a certified bariatric center, advanced cardiac and stroke care, sleep medicine, and a pain center. EJCH patients in 2015: 6,400 admissions and 63,817 outpatient service visits. Staff employees: 738.

A community institution, EJCH partners with local churches, police, fire, and other organizations to offer health and wellness screenings and educational events for women, the elderly, and other patient populations.

# Emory University Hospital Smyrna (founded 1974)

Dan Owens, MBA, CEO

Located in the northwest metro area, Emory University Hospital Smyrna (formerly Emory-Adventist Hospital) recently transitioned from a joint venture to being wholly owned by Emory. This 88-bed facility will be undergoing significant renovation throughout 2016.

### Emory Clinic (founded 1953)

Christian P. Larsen, MD, DPhil, CEO and Chairman of the Board emoryhealthcare.org/locations/the-emory-clinic

The largest, most comprehensive group practice in Georgia, the Emory Clinic has 1,431 Emory faculty physicians, 337 nurse practitioners, and 262 physician assistants, with locations throughout the city and state. Nonphysician employees: 2,997. Patient service visits in fiscal year 2015: 2,798,894.

### Emory Specialty Associates (founded 2006)

Christian P. Larsen, MD, DPhil, CEO and Chairman of the Board Maureen Haldeman, MBA, MHA, Chief Administrative Officer emoryhealthcare.org/emory-specialty-associates

In addition to the Emory Clinic, Emory Healthcare provides outpatient care via Emory Specialty Associates (ESA), an outreach physician practice organization with 37 locations in 12 counties throughout Georgia. ESA has 130 private practice, non-faculty physicians; 37 nurse practitioners; and 51 physician assistants. Nonphysician employees: 837. Patient service visits in fiscal year 2015: 681,533.

### Emory Wesley Woods Campus (established 1954)

Jennifer Schuck, MBA, Associate Administrator emoryhealthcare.org/senior-health-center

Emory Wesley Woods Campus includes the following:

- Emory University Hospital at Wesley Woods (*Bryce Gartland, MD, CEO*) provides inpatient and outpatient psychiatric care to patients ages 18 and older. Patients in 2015: 725 admissions. Staff employees: 124. (See also Emory University Hospital, page 6.)
- Budd Terrace (*John Pulliam, administrator*), is a 250-bed skilled nursing care facility.
- Wesley Woods Towers (*Jennie Deese*, *administrator*) is a 201-unit residential retirement facility, with one floor of 18 units dedicated to personal care. It is part of Wesley Woods Senior Living residential retirement facilities.

### Emory Healthcare Network (founded 2011)

Richard Gitomer, MD, President and Chief Quality Officer Patrick Hammond, MHA, CEO Scott Boden, MD, Chairman of the Board emoryhealthcare.org/emory-healthcare-network

The Emory Healthcare Network (EHN) is a clinically integrated network (CIN) with nearly 2,000 Emory and private practice physicians and seven hospitals. (See page 9.) It is the largest academically based CIN in Georgia, with 200 provider locations across the state, and its physicians practice in more than 70 specialties, including more than 220 who practice primary care.

### Woodruff Health Sciences Center (WHSC) Hospital Affiliates

Atlanta Veterans Affairs Medical Center, 445 hospital beds, including 120 nursing home beds, 12 psychiatric residential rehab beds, and 40 domiciliary beds. Annual patient totals: 7,491 admissions and 1,274,193 outpatient service visits. Staffed by 300 Emory physicians, providing the majority of patient care.

#### Children's Healthcare of Atlanta

- Children's at Egleston, 278 beds (Emory campus). Annual patient totals:
   11,900 admissions and 298,855 outpatient service visits. Staffed by 260
   Emory faculty physicians, with Emory clinicians providing 95% of care.
- Children's at Hughes Spalding, 24 beds (Grady Hospital campus). Annual
  patient totals: 1,224 admissions and 86,617 outpatient service visits. Staffed
  by 70 Emory physicians and by private practice and Morehouse School of
  Medicine physicians, with Emory clinicians providing 75% of care.
- Children's at Scottish Rite, 273 beds (north Atlanta). Annual patient totals: 13,429 admissions and 344,121 outpatient service visits; 27 Emory pediatric faculty teach and have admitting privileges here.

Emory and Children's are partners in patient care, research, and education in the Emory-Children's Pediatric Center, sharing a joint research officer and space in Emory's Health Sciences Research Building and the Emory-Children's Center building.

• Grady Memorial Hospital, 953 licensed beds. Annual patient service visits: 28,500 admissions and 566,175 outpatient service visits. Staffed by 647 Emory medical faculty. In addition, 366 Emory residents and fellows provide care at Grady under supervision of the faculty. Together, these Emory physicians provide about 85% of care at Grady, with the other 15% provided by Morehouse School of Medicine.

### Additional partners in Patient Care, Research, and Teaching

- Atlanta Clinical and Translational Science Institute (ACTSI)
   Emory is the lead partner in the ACTSI, a consortium funded by the
   NIH and created to translate laboratory discoveries into treatments for
   patients, engage communities in clinical research efforts, and train the next
   generation of clinical investigators. Other university ACTSI partners include
   Morehouse School of Medicine and Georgia Institute of Technology.
- Centers for Disease Control and Prevention (CDC)
   Emory and CDC have a number of research contracts and consulting partnerships. For example, Emory and CDC are collaborating on Ebola research, and Emory University Hospital's Serious Communicable Diseases Unit, where the first Ebola patients in the U.S. were treated, was built in collaboration with CDC. Emory faculty serve as advisers on public health committees throughout CDC, and CDC officers frequently serve as adjunct faculty in Emory's schools of public health and medicine.
- Georgia Center for Oncology Research and Education (Georgia CORE)
   Winship Cancer Institute works with Georgia CORE to partner with community-based physicians to make more clinical trials of new cancer treatments available to patients throughout the state.

## • Georgia Institute of Technology

Emory and Georgia Tech share a joint biomedical engineering department ranked second in the nation by *U.S. News & World Report*. The two institutions also collaborate on initiatives in nanotechnology, vaccine delivery, clean air and water, health services research, regenerative medicine, bioinformatics, neurosciences, pediatrics, medical devices, immunoengineering, and design of "smart" facilities and equipment to help the elderly and disabled.

### • Georgia Research Alliance (GRA)

The GRA is a partnership of business, research universities, and state government that fosters economic development. Through the GRA, the state invests in Emory research in nanotechnology, cancer, pediatrics, screening for new drugs, vaccines, AIDS, immunology, transplantation, clinical trials, bioinformatics, autism, imaging, and Alzheimer's disease.

#### Morehouse School of Medicine

Emory's School of Medicine partners with Morehouse in serving patients at the publicly owned Grady Memorial Hospital (see page 12) and in training Morehouse residents. The two schools are also partners in research through the Atlanta Clinical and Translational Science Institute (see above).

### Woodruff Health Sciences Center (WHSC) Highlights and Impact

- Jobs: The WHSC helps make Emory the largest employer in DeKalb County and the second largest employer in metro Atlanta.
- Economic impact: With \$3.7 billion in operating expenditures in fiscal year 2015, the WHSC's annual economic impact on metro Atlanta is estimated at \$7.2 billion.
- Clinical trials: Emory currently offers access to more than 900 clinical trials
  of investigational drugs, devices, and procedures, more trials than any other
  institution in the state.
- Technology transfer: Over the past 30 years, Emory has launched 39 products into the marketplace and helped create 77 start-up companies (45 in Georgia) in drug discovery, medical devices, diagnostics, and software. Nine out of 10 U.S. HIV/AIDS patients on lifesaving therapy take drugs discovered at Emory. Emory investigators have filed 2,671 patent applications and been issued 609 U.S. patents and patents in 91 countries. The 35 patents Emory was granted last year addressed treatment options for HIV, hepatitis C, diabetes, and various cancers.
- Research dollars: The WHSC received \$537.1 million in sponsored research funds in fiscal year 2015, bringing Emory's total for the year to \$572.4 million. These awards include funds for an Emory-led 10-institution team to determine if antibodies from Ebola survivors can help fight infection in others, Ebola vaccine and drug development, and establishment of an Emory-led National Ebola Training and Education Center. Awards also funded renewal of grants to Emory's Center of Systems Vaccinology and to Emory's National Fragile X Syndrome Research Center and creation of the Child Health and Mortality Prevention Surveillance network by the Gates Foundation.
- Physician workforce: Emory's medical school provides more than half
  of the residency training positions in Georgia; 52 of the medical school's 100
  residency programs are the only such programs in the state. Such programs
  provide a critical recruiting base for Georgia's physician workforce.
- **Investment in education:** The WHSC invested 22.8% of its tuition income in fiscal year 2015 in student financial aid, an amount totaling \$23 million.
- Vaccine testing and development: The Emory Vaccine Center is one of
  the largest academic vaccine centers in the world, with scientists working
  on vaccines for Ebola, AIDS, malaria, hepatitis C, influenza, tuberculosis,
  and other diseases. Emory's Hope Clinic, which conducts clinical trials for
  promising vaccines, is part of the country's premier networks for vaccine
  and prevention trials for infectious diseases.

- Charity care: Emory Healthcare provided \$67.4 million in charity care in fiscal year 2015. Emory faculty also provided \$25.4 million in uncompensated care in fiscal year 2015 at the publicly owned Grady Memorial Hospital. Via the Emory Medical Care Foundation, the Emory faculty practice plan at Grady, faculty invested all payments received for patient care at Grady (\$45.4 million) to support Emory's patient services at that facility. Emory also is a preeminent provider of specialty care to indigent children in Georgia.
- **Construction:** Emory Healthcare is constructing a 450,000-square-foot building addition to Emory University Hospital, scheduled to open in 2017, and is also making extensive renovations to its outpatient facilities.
- Treating HIV/AIDS: Emory provides medical direction of Grady Health
  System's Ponce de Leon Center, one of the largest, most comprehensive AIDS
  treatment centers in the country. Emory is also a primary site in the nation's
  premier NIH-funded AIDS clinical trials network and is in the third cycle of
  five-year renewal of its designation as a national Center for AIDS Research.
- Fighting cancer: Roughly 75% of new cancer drugs approved by the FDA since 2007 have been tested in clinical trials at Winship Cancer Institute, many initiated by Emory teams. Winship played a key role in development of four new FDA-approved drugs to treat myeloma. Emory scientists also discovered the role of the PD-1 molecule in immune response, paving the way for development of new drugs being used against lung cancer and melanoma.
- Philanthropy: In fiscal year 2015, the WHSC was awarded more than \$199 million in private support from individuals, foundations, and corporations representing alumni, patients and their families, and friends.
- Standard bearer for quality: Emory Healthcare has two hospitals with Magnet designation, recognizing excellence in nursing care. For the fifth consecutive year, the University HealthSystem Consortium has ranked Emory University Hospital (EUH) in the top 10 for quality out of 102 academic medical centers nationwide.

# Woodruff Leadership Academy (founded 2003)

Gary Teal, MBA, Dean whsc.emory.edu/wla/

The Woodruff Leadership Academy (WLA) was established to develop leadership potential in professionals and managers in the WHSC to create, articulate, and achieve organizational vision. The WLA has 315 alumni.

### **Emory Health Sciences and Related Facilities**

- 1 Biochemistry Connector
- 2 Brain Health Center (outpatient psychiatry and neurology, Bldg 12, Exec Park) 3.5 miles north of Druid Hills campus (see inset)
- 3 Centers for Disease Control and Prevention
- 4 Children's Healthcare of Atlanta at Egleston (includes cafeteria)
- **5** Cox Hall (food court)
- **6** Emory Autism Center (Clairmont Campus)
- 7 Emory-Children's Center building (pediatric outpatient care and research)
- 8 Emory Clinic A (primary care and various clinic specialties); Emory Clinic B (Emory Eye Center and other specialties)
- **9** Emory Clinic 1525 Building (various clinic specialties and fitness center)
- 10 Emory Global Health Institute
- 11 Emory Medical Genetics
- 12 Emory Orthopaedics and Spine Center (outpatient services, Bldg 59, Exec Park) 3.5 miles north of Druid Hills campus (inset)
- 13 Emory Rehabilitation Hospital
- **14** Emory University Hospital (includes cafeteria)
- 15 Emory University Hospital Midtown and Emory Clinic Midtown (includes cafeteria) 6 miles west of Druid Hills campus (inset)
- **16** Emory University School of Medicine
- 17 Emory Vaccine Center
- **18** Emory Wesley Woods Campus (includes Emory University Hospital at Wesley Woods as well as retirement residence and skilled nursing care facilities)
- **19** Health Sciences Library
- 20 Health Sciences Research Building
- 21 Neuroscience Research Building
- 22 Rollins Research Center
- 23 Rollins School of Public Health (A) GCR Building, (B) CNR Building
- 24 Whitehead Biomedical Research Building
- **25** Winship Cancer Institute
- 26 Nell Hodgson Woodruff School of Nursing
- 27 Woodruff Health Sciences Center Administration Building
- 28 Woodruff Memorial Research Building
- 29 Woodruff Physical Education Center (gym facilities)
- **30** Yerkes National Primate Research Center

#### ACCOMMODATIONS

- **31** Emory Conference Center
- **32** Hope Lodge (cancer patients)
- 33 Mason Guest House (transplant patients)
- 34 Ronald McDonald House (pediatric patients)

#### OTHER FACILITIES/SITES

- Atlanta VA Medical Center 2 miles northeast
- Emory Johns Creek Hospital 26 miles northeast
- Emory Saint Joseph's hospital 11 miles north
- Emory University Hospital Smyrna 20 miles northwest
- Emory University Orthopaedics & Spine Hospital 6.6 miles northeast
- Grady Hospital and Hughes Spalding Children's Hospital 6.6 miles southwest
- Marcus Autism Center 1.9 miles north



Emory's Woodruff Health Sciences
Center is working to pioneer new
ways to prevent and treat disease,
prepare the next generation to save
and improve lives, provide the
highest-quality clinical care possible,
and serve the community.

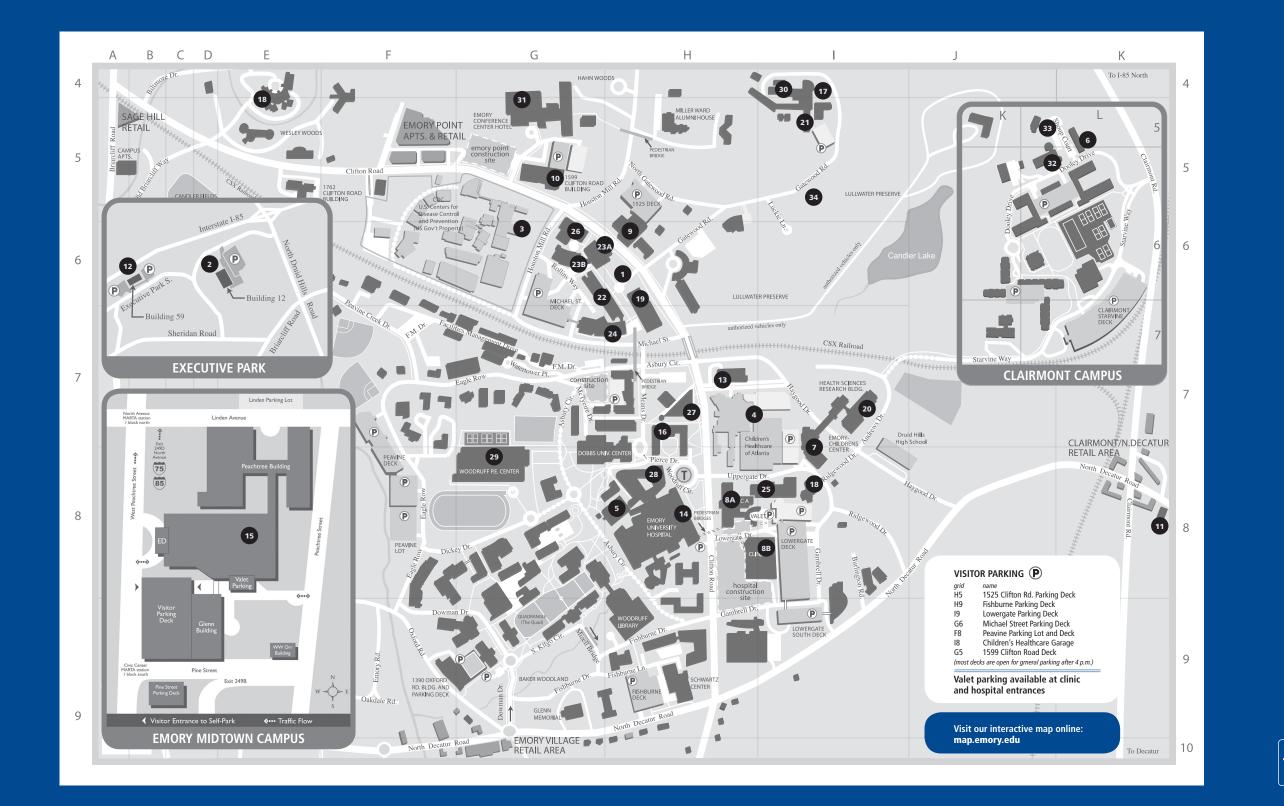
### Jonathan S. Lewin, MD

Executive VP for Health Affairs, Emory University
Executive Director, Woodruff Health Sciences Center
President, CEO, and Board Chairman, Emory Healthcare



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## **Frequently Called Numbers**

• Emory HealthConnection (patient information and physician referral): 404-778-7777

Admissions

Medical School: 404-727-5660
 School of Nursing: 404-727-7980
 School of Public Health: 404-727-3956

• Emory Police Emergency: 404-727-6111

University Information: 404-727-6123
Hospital Information: 404-712-2000

• Health Sciences Communications: 404-727-5686

• Emory University Office of Government and Community Affairs: 404-727-5311

Yerkes National Primate Research Center,
 Office of Public Affairs: 404-727-7709

### **Woodruff Health Sciences Center (WHSC) Leadership**

**Jonathan S. Lewin, MD,** Executive VP for Health Affairs, Emory University; Executive Director, WHSC; and President, CEO, and Chairman of the Board, Emory Healthcare

Douglas Ivester, Chairman, WHSC Board

Anne Adams, JD, Chief Compliance Officer, Emory Healthcare

Mary Beth Allen, MS, Chief Human Resources Officer, Emory Healthcare

William A. Bornstein, MD, PhD, Chief Quality Officer, Emory Healthcare

**Donald Brunn, FACHE,** Senior VP for Network Development, Emory Healthcare

June Connor, RN, MN, Interim Chief Nursing Executive, Emory Healthcare

James W. Curran, MD, MPH, Dean, Rollins School of Public Health

Walter J. Curran Jr, MD, Associate VP for Cancer, WHSC; Executive Director, Winship Cancer Institute

Vincent Dollard, APR, Associate VP, Health Sciences Communications

**S. Patrick Hammond, MHA,** *Chief Market Services Officer, Emory Healthcare;* CEO, Emory Healthcare Network

James Hatcher, CPA, Chief Financial Officer, Emory Healthcare

R. Paul Johnson, MD, Director, Yerkes National Primate Research Center

Gregory Jones, EdD, MBA, MSC, Associate VP for Health Affairs

Jane Jordan, JD, Deputy General Counsel/Chief Health Counsel, Emory University

**Ronnie Jowers, MBA,** VP for Health Affairs

**Shulamith Klein, MBA,** Chief Risk Officer, Emory Healthcare

Jeffrey Koplan, MD, MPH, VP, Global Health

Christian P. Larsen, MD, DPhil, Dean, Emory School of Medicine; CEO and Chairman of the Board, Emory Clinic; President, Emory Healthcare Physician Group; VP, Health Center Integration, WHSC

Linda A. McCauley, RN, PhD, FAAN, FAAOHN

Dean, Nell Hodgson Woodruff School of Nursing

Margery (Maggi) McKay, VP, Health Sciences Development

Dane Peterson, MBA, Hospital Group President, Emory Healthcare

David Stephens, MD, VP, Health Sciences Research; Chair, Department of Medicine

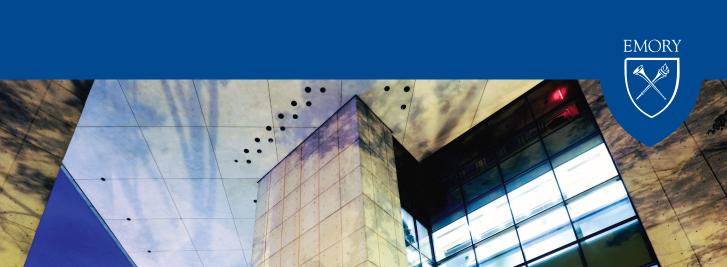
**Gary Teal, MBA,** Chief Administrative Officer, WHSC; Dean, Woodruff Leadership Academy

James Wagner, PhD, President, Emory University



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At a Glance

ROBERT W WOODRUFF
HEALTH SCIENCES CENTER