Education Institute
TEAMWORK | QUALITY | INTEGRITY | INNOVATION | SERVICE | COMPASSION
From Cleveland Clinic’s earliest days, education has been an integral element of our vision, emblazoned on the walls of the original Cleveland Clinic building: “Care of the sick, investigation of their problems, and further education of those who serve.”

Embodying that vision, the Education Institute has been a vital component of Cleveland Clinic since its founding in 1921, when new residents (then called fellows) came here to advance their medical and surgical training. In 1935, Cleveland Clinic established the Frank Bunts Education Institute, honoring one of Cleveland Clinic’s four founding physicians and firmly establishing Cleveland Clinic as a leader in medical and continuing education.

Today, our vision remains unchanged — teaching those who serve — but our scope has widened greatly to encompass the entire Cleveland Clinic community of more than 50,000 staff and employees. The Education Institute, which comprises 12 centers on main campus and the Cleveland Clinic Florida Center for Education, collectively addresses many audiences including medical students, residents and fellows; professional colleagues within and outside Cleveland Clinic; our own staff and healthcare professionals; and our patients and their families.

Kindest regards,

James K. Stoller, MD, MS
Chairman, Education Institute
Jean Wall Bennett Professor of Medicine
Samson Global Leadership Endowed Chair
### Education Institute — Table of Organization

**Main Campus**
- 12 centers
- 215 employees

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**Chair**

**Finance & Administration**

**Centers in the Education Institute**

- 12 centers
- 215 employees
Lerner College of Medicine

The Cleveland Clinic Lerner College of Medicine was founded in 2002 in collaboration with Case Western Reserve University School of Medicine. What’s special about the Lerner College? To begin with, the program is dedicated to training physician investigators and requires five (rather than four) years to accommodate the research portion and master’s level research thesis requirement of the curriculum.

The college also boasts:
• Small class size — 32 students in each class
• Full-tuition scholarships for all students
• Problem-based learning curriculum
• No lectures
• Solid medical humanities curriculum
• Portfolio-based assessment
• No grades or class ranking

Educators developed an interactive learning environment, integrating a curriculum centered around problem-based learning and an innovative portfolio-based system for measuring progress. Through this experience, students become critical thinkers, collaborative professionals and experts in clinical practice.

Our graduates are highly competitive for prestigious academic residencies, matching at institutions such as Johns Hopkins, Duke, Yale, Massachusetts General, Brigham and Women’s, and Cleveland Clinic. We are confident they will go forward to influence the future of medical care and biomedical research.

Medical Student Electives

The Lerner College of Medicine invites medical students from other schools to fulfill their electives at Cleveland Clinic. With elective options in more than 65 areas, a varied patient population and a commitment to world-class care, Cleveland Clinic offers every medical student a unique learning experience.

In collaboration with Case Western Reserve University, plans are underway to build a state-of-the-art medical education building for students from Case medical school’s two tracks — the Lerner College of Medicine and the university program — and its schools of dental medicine and nursing. The new building will serve as the home for the interactive seminar, laboratory and problem-based learning that typically takes place during the first two years of medical school.
Graduate Medical Education

Once students earn their medical degree, they enter an internship or residency where they train under supervision. Following a residency, some may choose to complete a fellowship in a medical subspecialty.

In 2016, Cleveland Clinic is training more than 1,500 residents and fellows throughout all its locations. The advantages of training at Cleveland Clinic are many.

Our trainees:
• Have choices. Cleveland Clinic sponsors one of the nation’s largest graduate medical education programs, with 108 training programs approved by the Accreditation Council for Graduate Medical Education (ACGME), along with 92 special fellowship programs.
• Gain a world of experience. Because Cleveland Clinic is one of the world’s largest, busiest healthcare centers, our trainees see rare, complex and unusual cases in addition to many routine medical problems. What’s more, our trainees care for patients from various cultural backgrounds.
• Learn at one of the nation’s best hospitals. Cleveland Clinic is consistently named as one of the nation’s top hospitals by U.S. News & World Report. Our heart and heart surgery program has been ranked No. 1 by U.S. News since 1995, and nine of our clinical specialties, all of which offer GME training, are ranked within the top three by U.S. News. What’s more, major medical breakthroughs over many decades have happened at Cleveland Clinic.
• Discover new things. All our trainees engage in cutting-edge research in basic sciences, clinical medicine and biomedical engineering alongside our scientists and clinical faculty.

Educating Residents and Fellows

Brian Mandell, MD, PhD, serves as Chairman of the Department of Medicine in the Education Institute, and R. Matthew Walsh, MD, serves as Chairman of the Department of Surgery in the Education Institute. Both help oversee graduate medical education activities at Cleveland Clinic.
In the realm of simulation training, a new 10,000-square-foot expansion of the main simulation space positions Cleveland Clinic at the cutting edge. Simulated scenarios and high-tech simulation equipment (including human patient simulators that breathe, bleed, respond to drugs, and more) allow healthcare teams to gain hands-on experience in a low-stress and low-risk environment.

Physicians, nurses, residents and fellows, medical students and other health professionals use simulation to build skills around teamwork and communication — essential skills, particularly in critical situations. Simulated scenarios can be videotaped and reviewed later to learn what went right and which decisions can be improved.

The center also offers programs to advance laparoscopic, endoscopic, endovascular and robotic surgery skills. Physicians from around the world come to Cleveland Clinic to learn new techniques, often with a focus on a particular surgical discipline.

A new one-year Interprofessional Fellowship in Simulation and Advanced Skills Training gives a Cleveland Clinic health professional the chance to design and implement a simulation-based medical education research project.

Physicians and healthcare teams benefit from a wide spectrum of additional resources:
- Task-based simulation laboratory for practicing suturing and laparoscopic techniques
- Two-thousand-square-foot wet lab with eight fully functioning operating tables for surgeons to practice minimally invasive surgical techniques
- Short-term preceptorships for physicians outside of Cleveland Clinic who desire one-on-one skill instruction, hands-on training and supervised direct patient care
- Pediatric difficult airway center for practicing airway and ventilator management
- Simulation lab for select cardiothoracic anesthesiology procedures
- Mobile (in situ) simulation that allows teams to train in their everyday work environment
- Standardized patient simulation, which lets our medical students practice physical exam, medical history and communication skills on real people

When used as a complement to traditional medical learning, simulation and advanced skills training help improve patient safety and patient outcomes.

The center is accredited by the American College of Surgeons and the Society for Simulation in Healthcare.
Scientific Publications

This center oversees the production and publication of Cleveland Clinic Journal of Medicine (CCJM). Published since 1931, CCJM is an indeed national peer-reviewed medical journal that delivers timely, practical clinical content, in print, to some 100,000 practicing physicians each month. More than 2 million healthcare professionals and consumers, nearly half of whom are international, annually see the journal in its print and digital formats. Focusing on internal medicine and cardiology, CCJM is one of the best-read journals among physicians in these clinical areas.

CCJM contains clinically targeted review articles and other continuing education-oriented content, making it a valuable educational resource for thousands of physicians each month. Special supplements offer in-depth looks at selected topics, often in specialties beyond internal medicine and cardiology. CCJM content is available free to all at www.ccjm.org.

This center also offers a medical writing program for Cleveland Clinic professionals who wish to improve their scholarly writing and presentation skills so they can better communicate scientific information via posters, papers, abstracts and more.

Cleveland Clinic Journal of Medicine is one of the most widely read journals among office-based internists and cardiologists.
Continuing Education

Thousands of medical professionals depend on the reliable and up-to-date continuing medical education (CME) programs that Cleveland Clinic has provided for more than 80 years. Our continuing education program is certified by the Accreditation Council for Continuing Medical Education, and the center has been awarded the highest accreditation “with commendation.”

A variety of activities, from primary care to medical specialties, are offered either live or online. Each year, the center offers 1,000 live CME courses, many of which are held in countries outside the U.S. Live courses encourage audience interaction, with hands-on workshops, real-time surgical demonstrations and frequent use of an Audience Response System.

The Continuing Education website (www.ccfcme.org) allows convenient access to more than 300 online CME activities, including webcasts, case-based lessons, and online reviews and activities from Cleveland Clinic Journal of Medicine. At the heart of the site is Disease Management, a virtual medical textbook authored by 170 Cleveland Clinic physicians.

In 2015, Continuing Education offered 1,000 live courses and 768 online activities, and reached more than 309,000 participants.
International Medical Education

Each year, thousands of physicians, fellows, residents, medical students, administrators and alumni from around the world take advantage of educational opportunities organized by our Center for International Medical Education.

• The International Physician Observer Program allows international medical students and practicing physicians to attend patient rounds, participate in teaching conferences, watch live surgeries and shadow Cleveland Clinic physicians. Every year, more than 800 observerships, which can last for several weeks, are arranged.

• The Global Observer Program is a four-week shadowing experience ideal for international medical graduates whose ultimate goal is to apply for residency in the U.S. The program aims to bridge the gap between excellence in academics and pre-residency clinical experience at a top U.S. hospital. Highly competitive, the program is exclusively designed for and open only to international medical graduates. View a current list of available specialties at www.clevelandclinic.org/CIME.

• The Preceptorship Program is tailored to the specific clinical and administrative interests of the practicing physician. Participants can experience one-on-one clinical and surgical observations, and examine best practices and operational strengths of Cleveland Clinic. The center offers educational programs by collaborating with a number of healthcare organizations to coordinate mini-symposia — either in Cleveland or at your location — within a particular specialty. These events typically include a tailored mix of lectures on cutting-edge procedures and novel technologies used at Cleveland Clinic, live surgeries, rounds and case presentations.

Educating International Medical Professionals

Request a Speaker

Do you need a speaker for a medical conference or a presentation for patients? If so, our center can help arrange a Cleveland Clinic physician speaker to meet your needs. Your audiences will gain new knowledge through lectures and case presentations, most of which highlight cutting-edge procedures and novel technologies used at Cleveland Clinic.
Health Sciences Education

Health science professionals have skills that are essential to patient care. Health science jobs range from high-touch, one-on-one patient care to high-tech, behind-the-scenes laboratory work. From physician assistants and ultrasound technologists to EMS professionals and respiratory, physical and occupational therapists, these professionals comprise a large part of Cleveland Clinic’s workforce.

To ensure that students are well-prepared to care for patients, Cleveland Clinic sponsors many internal training programs at the certificate, associate degree and post-baccalaureate levels, as well as clinical experiences for health science students enrolled in academic institutions throughout Ohio and across the country.

In addition, this center is involved in health science education community outreach activities designed to expose younger students to career opportunities in the health science professions.

In 2015, the Cleveland Clinic health system provided more than 2,000 clinical rotations for health science students.
The Center for Technology-Enhanced Knowledge and Instruction, or cTEKI, is focused on innovating how education is delivered across Cleveland Clinic by leveraging technology to enhance the effectiveness and efficiency of learning.

cTEKI develops strategic web-based training to supplement the medical and academic education of physicians, residents/fellows, medical students, and allied health and nursing personnel. Examples of such learning solutions include:

- blended learning
- digital badges and gamification
- holographic and 3D imaging
- interactive case studies and exercises
- point-of-care learning and QR codes
- porting clinical knowledge to academia
- spaced learning

The team also supports educators who are interested in developing their own web-based training, guiding them through the process and ensuring alignment with educational goals. In addition, cTEKI trains employees, vendors and guests with a diverse catalog of courses.

The overall goals of cTEKI are to help improve efficiency and effectiveness of eLearning, and to provide expertise in the development of web-based education and training materials.

View our showcase page:
Patients and the public rely on our Center for Consumer Health Information for credible health information — original content they create and then have reviewed by Cleveland Clinic experts. Most people find Cleveland Clinic health information online at www.clevelandclinic.org/health, but information is also available in several other formats:

- Health information kiosks, located throughout Cleveland Clinic’s main campus and Beachwood Family Health & Surgery Center, provide information about Cleveland Clinic programs and services, health information for patients and visitors, physician directories and more.

- The Patient & Family Health & Education Center fills requests for health information made in person and by mail, phone and email. Health Educators conduct live text chats on weekdays. The center is located on Cleveland Clinic’s main campus and is open weekdays from 8 am to 5 pm.

- Free local Health Talks featuring Cleveland Clinic physicians and other health professionals are held every month at Cleveland Clinic’s main campus and at several suburban family health centers.

- Live WebChats are hosted by Cleveland Clinic experts.

- Cleveland Clinic’s Closed Circuit Television gives patients information about their condition and ways to care for themselves or family members.

In 2015, the center’s website recorded more than 27.3 million page views.
Library Services
Supporting Knowledge Acquisition

Library Services oversees the Floyd D. Loop Alumni Library on the Cleveland Clinic main campus, physical libraries at Fairview, Hillcrest and South Pointe hospitals, and the virtual libraries for Cleveland Clinic’s remaining regional hospitals, family health centers, and hospital in Abu Dhabi. The department also provides backup support for the library at Cleveland Clinic Florida.

With the goal of providing information relevant to patient care, research and education, Library Services ensures access to numerous online resources for all Cleveland Clinic caregivers. Our professional librarians hold workshops to help users conduct online research, and they teach information management skills to help users keep pace with the rapidly evolving medical literature. The Loop Alumni Library offers computers for research and quiet rooms for study.

Cleveland Clinic healthcare professionals depend on our library resources to enhance their medical knowledge, contribute to research and improve patient care.

Educational Resources
Supporting Those Who Teach

Cleveland Clinic is an academic medical center, and our professionals are involved in the education of health professions trainees at multiple levels, from student to fellow. They need to know how to develop a curriculum, how to assess learners and how to evaluate educational programs. Faculty within the Center for Educational Resources support the Cleveland Clinic Lerner College of Medicine as Directors of Evaluation, Educator Development and Assessment. They also serve as a resource for professionals within the greater Cleveland Clinic community who are involved in the education of trainees.

The center’s Office of Educator Development offers educational sessions on a variety of topics, including interactive teaching, curriculum development, assessment for learning, giving useful feedback and program evaluation. In addition to various certificate programs (Distinguished Educator Level I and II), the Office of Educator Development offers an Education Institute-sponsored one-year Medical Education Fellowship, which allows educators to enhance their skills in medical education or medical education research. In collaboration with Cleveland State University, the center also offers health professions educators the opportunity to complete a two-year Master of Education in Health Professions Education degree.

During the 2014-15 academic year, 199 educational sessions were offered, and 829 caregivers participated in educator development.
Educating Patients

Professionals within Medical Art & Photography help support Cleveland Clinic educational activities by offering graphic design, medical illustration, digital imaging and photography services to Cleveland Clinic colleagues.

• Graphic design experts help colleagues put their best foot forward with charts, graphs, diagrams, scientific posters, brochures, banners and much more.
• Medical illustrators create anatomical, surgical and technical illustrations as well as 3-D animations.
• Photographic digital technicians offer image enhancement, scanning and printing services.
• Photographers capture the world-class care and innovation found at Cleveland Clinic as well as events.

Supporting Cleveland Clinic Educational Efforts

Medical Art & Photography

In collaboration with Case Western Reserve University’s Weatherhead School of Management, we offer an executive MBA (EMBA) degree — Cleveland Clinic-Weatherhead School of Management Executive MBA — designed to give high-potential healthcare professionals the opportunity to advance their leadership and management skills.

www.weatherhead.case.edu/clinicismba

To give health professions educators the opportunity to further refine their teaching skills and strengths, we offer a Master of Education degree in Health Professions Education in collaboration with Cleveland State University.

www.clevelandclinic.org/mehpe

Also in the leadership development portfolio, Leading in Health Care is a 10-month course offered to a nominated cohort of Cleveland Clinic physicians, nurses and administrators, and collaboratively administered by the Cleveland Clinic Global Leadership and Learning Institute and the Education Institute. Designed to give these emerging leaders the competencies to lead at Cleveland Clinic and globally, the course addresses: (1) Cleveland Clinic culture and history; (2) healthcare finance; and (3) leadership competencies.

The Education Institute also collaborates closely with our Global Leadership and Learning Institute to provide leadership development to healthcare executives from around the world. As an example, the Samson Global Leadership Academy for Healthcare Executives offers a two-week immersion into self-development and systems thinking, and has attracted healthcare leaders from 24 countries to date.

www.clevelandclinic.org/ExecEd

In 2015, the center serviced 14,100 requests and generated 465,000 pieces of work.
Cleveland Clinic Florida’s Internal Medicine residents recently achieved a 100 percent Board pass rate, the highest in the state of Florida.

Cleveland Clinic Florida offers myriad educational activities for internal and external audiences, including continuing medical education, graduate medical education and education programs for international observers, medical students and patients. Cleveland Clinic Florida also houses a full-service library.

The strong alliance Cleveland Clinic Florida enjoys with the Cleveland Clinic Education Institute enhances the educational capabilities in both Florida and Cleveland.

Cleveland Clinic Florida is currently the largest institutional sponsor of GME programs in Broward County, offering 10 ACGME-accredited programs, 12 programs outside ACGME oversight and one pharmacy residency program, together which serve more than 100 trainees.

In most of our training programs, our residents and fellows exceed their peers with certifying examination passage rates that are among the highest in the nation. The majority of Cleveland Clinic Florida’s programs have five-year board pass rates of 100 percent.

Our Continuing Education Department is robust. A total of 325 Regularly Scheduled Series sessions took place in 2015, which included multiple specialties. In addition to the Regularly Scheduled Series, five live symposia were attended by physicians from around the world. In 2016, Cleveland Clinic Florida has increased the number of Regularly Scheduled Series by 40 percent and live activities by 80 percent, with an additional increase expected in 2017. The department also continues to collaborate on multiple live activities with the CME team in Cleveland.
PHILANTHROPIC GIVING

The Education Institute welcomes donations to advance its mission of educating those who serve. Individuals, families and foundations that believe in the value of education are making a difference in the future of patient care with their generosity. To learn how you can help, please contact Amy Kubacki at 216.636.5024 or at kubacka@ccf.org.

The Education Institute oversees many of the training and education programs Cleveland Clinic offers to a global audience of physicians, medical students, residents and fellows, health science students, allied health professionals, and our patients and their families. Each year, 400,000 healthcare professionals from around the world engage in the various educational activities sponsored by the Education Institute.