



The Power of Every *One*.

CENTENNIAL CAMPAIGN

# Medical Education Today Ensures a Healthier Tomorrow





## Help Create a Healthier Future

Since Cleveland Clinic's founding in 1921, education has been integral to our vision: "Care of the sick, investigation of their problems, and further education of those who serve."

The Education Institute is foundational to every institute in the enterprise and helps to keep Cleveland Clinic at the forefront of patient care, research, and medical education worldwide.

Cleveland Clinic has a broad international footprint through continuing medical education, alumni programs, *Cleveland Clinic Journal of Medicine*, and healthcare executive education, in addition to fellowships and observerships. In its 95-year history, Cleveland Clinic has educated trainees from 112 countries and now has graduates in 77 countries. Philanthropic support will help train many more physicians who will care for patients around the world.



There are too few training positions at academic medical centers like Cleveland Clinic for new medical school graduates.

“It’s a national healthcare emergency.”

– James K. Stoller, MD, MS

### America needs more doctors.

“The country today faces a physician shortage that is very near term,” says James K. Stoller, MD, MS, Chair of Cleveland Clinic’s Education Institute and holder of the Jean Wall Bennett Chair for Emphysema Research and the Samson Global Leadership Academy Endowed Chair.

Dr. Stoller’s position provides a unique perspective on the impending shortage. His institute works with every other institute and touches every specialty at Cleveland Clinic with programs that include Cleveland Clinic’s Lerner College of Medicine, postgraduate training, continuing education, and international education. These medical education programs are expensive but necessary so that greater numbers of physicians can be trained to fill society’s pressing needs.

### Fewer Specialists, Greater Need

Demand for medical specialists is dramatically rising. In 2014, the youngest baby boomers in the U.S. turned 50, bringing the number of adults over age 50 to 100 million. A greater number of older Americans means a greater demand for specialists to treat respiratory and lung disease, cancer, heart disease, neurological disorders, and other health problems commonly seen in older patients.

More philanthropic support is needed for graduate medical education, which will lead to a greater number of highly trained specialists.

***This impending shortage of skilled specialists – at least 30,000 fewer than needed – is like “a train coming down the track at you.” – Dr. Stoller***

### Why Are Their Numbers Dwindling?

Significant resources and many years of education are required to produce just one medical specialist.

“It’s roughly \$100,000 to \$120,000 a year per trainee,” Dr. Stoller says. “And it’s a long gestation of four to five years of medical school, followed by at least three years of graduate training.”

Yet, federal funding has not kept pace, and cuts are looming. The result? There are too few training positions at academic medical centers like Cleveland Clinic for new medical school graduates.

“We effectively are educating a workforce who will be unemployed for lack of training opportunities,” Dr. Stoller says. “It’s a national healthcare emergency.”

### What Can We Do?

Philanthropic support is essential in helping us train the next generation of specialists. Your generous gifts can help ensure that we can train a greater number of highly skilled physicians to meet the growing needs of patients – today and tomorrow.



Cleveland Clinic is among the world's elite medical training facilities. "We have global competition to receive this training, and we have roughly 12,000 applicants from all over the world for only 350 positions that we can offer." – Dr. Stoller

## Your Philanthropic Support Can Help Shape the Future of Medicine

- **Postgraduate training for medical school graduates:**

Includes those currently enrolled at Cleveland Clinic's Lerner College of Medicine.

- **Training Cleveland Clinic staff to become educators:**

Shrinking federal and state funding and increasing clinical demands threaten education for future physicians. Funds are needed for this and for new technology used in distance learning and onsite instruction.

- **Education research:** Medical education progresses only through continuing research. Opportunities for support include establishing a center for medical education research and curriculum development; starting a tuition research fund supporting the required year of research for meritorious Lerner College of Medicine students; and creating a postdoctoral fellowship in medical education research.

- **Continuing medical education:** CMA is critical to improving patient outcomes and reducing healthcare costs by enhancing physicians' knowledge and skills and advancing the quality and efficiency of healthcare delivery.

For more than 80 years, The Center for Continuing Education has been committed to sharing a wealth of knowledge with physicians, nurses, and other medical professionals worldwide.

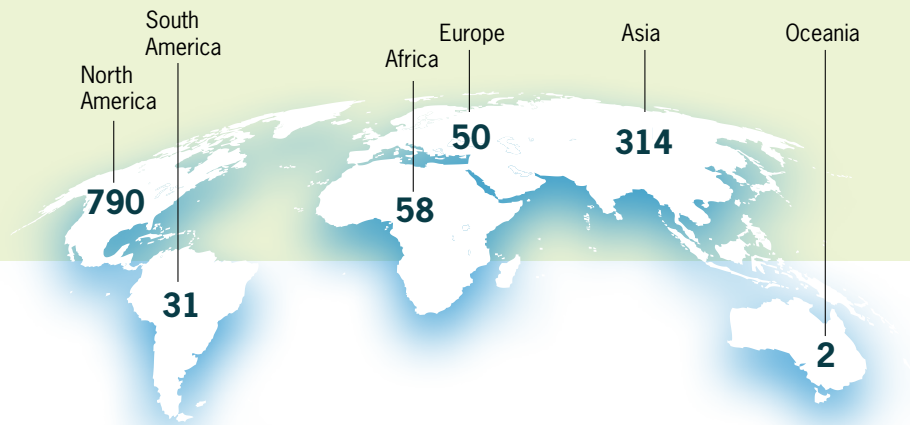
The Center is accredited at the highest level – Accreditation with Commendation – by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### Cleveland Clinic Training Helped Save the Life of a Pope

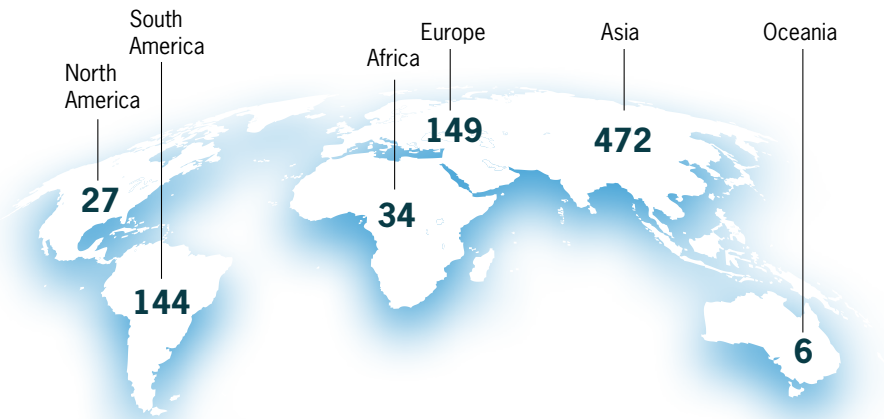


*The quality of training at Cleveland Clinic ultimately benefits patients throughout the world. For example, Juan Carlos Parodi, MD, once a Cleveland Clinic vascular surgical trainee, today is renowned for introducing minimally invasive techniques to the field of vascular surgery. In 1990, he became the first physician in the world to treat a patient with endovascular repair, a technique he helped develop. He also innovated a method for protecting the brain when stents are used in blocked carotid arteries. A career highlight came in 1980, when he saved the life of a poor Jesuit priest – who today is known as Pope Francis. He credits his post-doctoral training in Cleveland Clinic's Department of Vascular Surgery as the start to his long and distinguished career. "And I still love this place," he said.*

For the school year 2015-2016, residents and fellows came from around the globe. This map shows their home continents.



During 2015, medical observers also came to Cleveland Clinic from around the world.



### You Can Help Expand and Create Important Programs

Cleveland Clinic serves as a model of excellence for the international community, sharing knowledge and expertise for the benefit of patients throughout the world. Not only do medical practitioners who come to Cleveland Clinic learn from us, but our practitioners also learn from them. Your philanthropic gift could support existing programs that could be expanded.

- **International observership program:** Arranges and facilitates visits to Cleveland Clinic from faculty, medical students, and scientists from around the world
- **International health talk/visiting professorship:** A lecture or visiting professorship by a Cleveland Clinic physician at a host institution addressing the scientific/clinical community and patients in the host institution's community

Or create promising new programs:

- **Society of scholars:** A unit to foster medical teaching excellence and research in methods to optimize the training of physicians, nurses, and allied health providers

- **Symposium for international physicians in Cleveland:** A program through which international colleagues from a single country or medical center are invited to Cleveland for a continuing medical education conference
- **Symposium for international physicians abroad:** A program in which a team of Cleveland Clinic staff members delivers a conference in the interested party's country on a topic of interest
- **Center for Medical Education Innovation:** A center that would house experimental classrooms for clinical and small-group teaching environments; distance-learning classrooms; advanced technology learning labs; faculty development; and collaboration space



**Center for Medical Education Innovation**

*"This center will help shape the future of medicine."*

Neil Mehta, MD,

Director of Education Technology at  
Cleveland Clinic Lerner College of Medicine

*From left, Eric and Sheila Samson with James K. Stoller, MD, MS. Mr. and Mrs. Samson's transformational gift launched the Samson Global Leadership Academy and established the Samson Global Leadership Academy Endowed Chair that Dr. Stoller holds.*



“The country today faces a physician shortage that is very near term.”

– James K. Stoller, MD, MS

## Help Create a Healthier Future

Your generous gift to the Education Institute helps us to advance medicine at all levels and continue making strides in education, ensuring a bright future for healthcare around the world.

*For more information, contact Amy Kubacki, Senior Director of Development at 216.636.5024 or [kubacka@ccf.org](mailto:kubacka@ccf.org).*

Cleveland Clinic Philanthropy Institute  
216.444.1245 / [powerofeveryone.org](http://powerofeveryone.org)

The Power  
of Every *One.*

Cleveland Clinic Centennial Campaign