



Penn Medicine



FACTS &
FIGURES



2018

PENN MEDICINE IS

the Raymond and Ruth Perelman School of Medicine
and the University of Pennsylvania Health System



EDUCATION

The Perelman School of Medicine — established in 1765 — is the nation's first medical school. It is consistently ranked in the nation's top academic medical schools by US News & World Report. Penn Medicine offers students and new physicians who train in our hospitals an innovative, comprehensive curriculum that prepares them to become leading physicians and scientists in a broad array of fields. The community of alumni numbers nearly 24,000 living and working across the globe.



PATIENT CARE

Penn Medicine's physicians, nurses, and staff provide exceptional, personalized care to patients with a wide range of medical conditions, including cancer, heart and lung disease, neurological disorders, diseases of aging, and orthopaedic injuries, as well as care for newborns. Using state-of-the-art equipment and data science, our doctors and nurses work together to ensure that patients' needs are addressed from multiple perspectives. Pharmacists, social workers, nutrition and rehabilitation professionals are all part of the care team.



RESEARCH

Penn Medicine is consistently among the nation's top recipients of National Institutes of Health funding. Penn's scientists and physicians take an interdisciplinary approach to better understand the fundamental mechanisms of disease, which leads to more precise and personalized treatments. Faculty from dozens of institutes, centers, and departments work in multidisciplinary teams spanning the 11 other schools at the University of Pennsylvania, including experts in informatics, bioengineering, and health policy.



COMMUNITY SERVICE

Improving the health of people living throughout the region we serve is a cornerstone of Penn Medicine's mission. Every day, physicians, nurses, students, and staff volunteer their time, skills, and knowledge to serve vulnerable populations. They operate free neighborhood clinics, help low-income residents manage medical appointments and wellness efforts, and provide education and mentorship to youth, among many other initiatives. These are supported in part by the Penn Medicine CAREs grants program, which provides funds for staff volunteer activities.



PENN MEDICINE PROFILE

Fiscal Year 2017

Annual Operating Revenue...\$7.8 Billion¹

RESEARCH & EDUCATION

Total Sponsored Research	\$720 million
NIH Awards	\$405 million
PA State Research Funding	\$1.8 million
New Patents Awarded	85
Licensing Revenue	\$31 million
Full-Time Faculty (includes CHOP)	2,479
MD Students	769
PhD Students	629
MD/PhD Students	191
Residents & Fellows (HUP, PPMC & PAH)	1,331
Postdoctoral Fellows	731

PHILANTHROPY

Gifts	\$206 million
Donors	23,229
Alumni Participation	26%

PATIENT CARE

	TOTAL
Licensed Beds	2,876
Physicians ²	6,818
Adult Admissions	135,893
Outpatient Visits ³	5,410,827
ED Visits	351,583
Births	18,595
Employees ⁴	39,394

KEY TO SUPERSCRIPTS:

- (1) Includes PMPH, which joined Penn Medicine in 2018
- (2) Includes physicians with privileges at >1 hospital
- (3) Includes CCA/CHCA, GSPP, HCHS
- (4) Includes CCA, Corp, CPUP, HCHS
- (5) Includes staff and full-time faculty



HUP	PAH	PPMC	CCH	LGH	PMPH	PSOM
791	496	375	256	604	355	
2,008	833	1,205	555	954	1,263	
34,531	19,207	17,405	14,095	33,329	17,326	
1,815,253	209,084	228,143	436,109	1,181,707	327,397	
60,695	35,648	47,428	44,551	114,917	48,344	
4,216	5,128	--	2,783	4,196	2,272	
7,229	2,827	2,416	2,320	7,801	3,270	6,203 ⁵

KEY TO ABBREVIATIONS:

CCA: Clinical Care Associates
 CCH: Chester County Hospital
 CHCA: Clinical Health Care Associates
 CHOP: The Children’s Hospital of Philadelphia
 CPUP: Clinical Practices of the University of Pennsylvania
 ED: Emergency Department
 GSPP: Good Shepherd Penn Partners

HCHS: Home Care & Hospice Services
 HUP: Hospital of the University of Pennsylvania
 LGH: Lancaster General Health
 PMPH: Penn Medicine Princeton Health
 PPMC: Penn Presbyterian Medical Center
 PAH: Pennsylvania Hospital
 PSOM: Perelman School of Medicine

CLINICAL FACILITIES & PROGRAMS

Penn Medicine includes six acute-care hospitals and hundreds of outpatient centers throughout the region, as well as educational facilities at the Perelman School of Medicine.



THE HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA is recognized annually as one of the nation's top ten Best Hospitals by U.S. News & World Report, along with Penn Presbyterian Medical Center. HUP's 3.7 million-square-foot complex is a busy inpatient hub for cancer, neurosciences, cardiac care, and many other specialties.



PENN PRESBYTERIAN MEDICAL CENTER is consistently recognized as a center of excellence for cardiac care, ophthalmology, as well as neurosciences, cancer, behavioral health services, and the Musculoskeletal Center's outpatient facility located at Penn Medicine University City. Its 1.35 million-square-foot campus includes the Pavilion for Advanced Care, home to Penn Medicine's Level I Regional Resource Trauma Center.



PENNSYLVANIA HOSPITAL is the nation's first hospital, cofounded by Benjamin Franklin in 1751. Today its outstanding clinical programs include the Spine Center, orthopaedics, the Center for Transfusion-Free Medicine, maternity and newborn services, and behavioral health. It comprises a 1.1 million square-foot campus, including Penn Medicine Washington Square, the hospital's outpatient facility.



CHESTER COUNTY HOSPITAL includes a 553,000 square-foot hospital complex in West Chester, specializing in heart and vascular care, cancer, and orthopaedics, among many other areas, with satellite locations in Exton, West Goshen, New Garden, Jennersville, Kennett Square, and West Grove.



LANCASTER GENERAL HEALTH includes Lancaster General Hospital, Women & Babies Hospital, and a network of more than 60 outpatient facilities and physician practices in Lancaster, Chester, and Lebanon counties, for a total of more than 3 million square feet in facility space.



PENN MEDICINE PRINCETON HEALTH, which joined Penn Medicine in 2018, is among the most comprehensive healthcare systems in New Jersey, including facilities offering acute-care hospital services, behavioral healthcare, acute rehabilitation, home care, hospice care, ambulatory surgery, and wellness services.



SPECIALIZED FACILITIES

The Perelman Center for Advanced Medicine is a state-of-the-art outpatient facility, with diagnostic and treatment facilities for cancer, neurological, and cardiac conditions, among other types of specialty care.

The Roberts Proton Therapy Center is the largest integrated radiation oncology center in the world. This most precise form of radiation uses beams of protons traveling at nearly the speed of light to eradicate tumors and spare healthy surrounding tissue.

The Abramson Cancer Center had about 290,000 outpatient visits in FY 2017 with more than 9,100 participants in over 1,000 clinical trials. Since 1974, it has been designated a Comprehensive Cancer Center by the National Cancer Institute, one of 49 such centers in the nation.

The Clinical Care Associates and Clinical Health Care Associates of New Jersey are networks of primary and specialty care physicians, with more than 50 locations throughout the region.

Outpatient Locations are located in Washington Square, University City, Valley Forge, Radnor, Bucks County, Cherry Hill, and Woodbury Heights.

Penn Medicine Rittenhouse includes a rehabilitation facility, a long-term acute-care specialty hospital, and an inpatient hospice.

Penn Home Care & Hospice Services offer a full range of home health needs through Penn Wissahickon Hospice, Penn Care at Home, and Penn Home Infusion Therapy.

Good Shepherd Penn Partners is the post-acute care provider for Penn Medicine. It provides inpatient and outpatient physical rehabilitation and specialized long-term acute care throughout southeastern Pennsylvania and southern New Jersey.



EXPANSIONS

THE PAVILION

Construction of the new \$1.5 billion hospital on Penn Medicine's West Philadelphia campus began in spring 2017. With expected occupancy in 2021, it is the largest capital project in Penn's history and the most ambitious health-care facility in the Philadelphia region.

BUILDING FOR THE FUTURE



500

Private patient rooms



47

Operating rooms



1,000+

Miles of computer networking cabling



1 acre

of greenery with landscaping and green roof

RESEARCH

Penn Medicine is an internationally recognized leader for discoveries that advance science and patient care. Sixty-six Penn Medicine researchers are Members of the National Academy of Medicine of the National Academy of Sciences, one of the highest honors in medicine. The basic science and clinical research emerging from Penn Medicine's laboratories and hospitals improves care for a wide range of medical conditions and provides the foundation for the next generation of therapies. The culture and campus of the University of Pennsylvania encourages close collaboration between basic scientists and clinicians, exemplified by its dozens of interdisciplinary clinical and research institutes, centers, and programs. These partnerships spur advances in disciplines from medical devices to nanotechnology.

COLLABORATIVE RESEARCH BY THE NUMBERS



1,400+ STUDENTS & POSTDOCTORAL FELLOWS

6200+ FACULTY & STAFF

28 BASIC SCIENCE & CLINICAL DEPARTMENTS

24 SPECIALIZED SHARED FACILITIES PROVIDING ACCESS TO STATE-OF-THE-ART EQUIPMENT, TECHNICAL EXPERTISE AND TRAINING AND EDUCATION

SCHEIE EYE INSTITUTE

FY2017

Second in National Eye Institute funding: **\$14.6 million**



116

Clinical trials in progress



56

Clinical and research faculty members



2,888

surgeries performed

TRANSLATIONAL CENTERS OF EXCELLENCE of the Abramson Cancer Center

Established in 2011

4 Centers

Studying breast cancer recurrence, lung cancer, blood cancers, & pancreatic cancer

70+

papers published

124

clinical trials

5,000


banked tissue and blood samples from over 2,500 patients

FUELING A RESEARCH REVOLUTION

Penn Gene Therapy Program



Providing gene therapy delivery vectors since 1993 to:

 **5,000** investigators

 **>1,500** institutions

 **45** countries

EDUCATION



The Perelman School of Medicine has an international reputation for innovative training programs in areas ranging from leadership to global health. Its groundbreaking curriculum has set a new standard for medical education nationwide and is a model for other academic medical schools. The curriculum integrates basic sciences and clinical experience, fosters interdisciplinary teamwork, and is built on a foundation of evidence-based medicine and patient-centered care.

WHAT'S NEXT FOR THE GRADUATING CLASS OF 2017



TOP 3
SPECIALTIES:

INTERNAL MEDICINE

PEDIATRICS

PSYCHIATRY

176 GRADUATES

65 GRADUATES TO TRAIN
AT PENN, CHOP, OR THE
SCHEIE EYE INSTITUTE

7 STUDENTS PURSUING
CAREERS IN BUSINESS

18 STATES WHERE PERELMAN
GRADUATES ARE TRAINING



INCOMING CLASS: 2017/2018

80 / **79**
MALE / FEMALE

24

Average student age
(21 to 30 age range)

18%

First college graduates in
their family

28

States represented

1 IN **4**

Underrepresented
minorities in medicine

PERELMAN SCHOOL OF MEDICINE ENROLLMENT

769

medical students
WITH

191

of these enrolled in MD/PhD
programs across Penn

The Perelman School of
Medicine is ranked among
the top five medical schools in
the country by U.S. News &
World Report for the
20th year in a row.

FOCUS ON HEALTH & LEADERSHIP FOR WOMEN PROGRAM

Established in 1994



13

Initiatives including leadership
programs, research, seminars,
awards, benchmark reporting



47

Early faculty investigator awards
(36 women & 11 men) since 1995



88

Medical student fellowships
(73 women; 15 men)
since 2001

PATIENT CARE

Beyond its main campus in Philadelphia, Penn Medicine cares for patients in hospitals and outpatient facilities from central Pennsylvania to the Jersey shore, as well as partnering with Penn Home Care and Hospice Services. Our physicians also work with their colleagues to see patients at the Children's Hospital of Philadelphia and the Philadelphia VA Medical Center.



GENE THERAPY BREAKTHROUGHS

The FDA approved two gene therapy-based treatments in FY18 developed by Penn Medicine and the Children's Hospital of Philadelphia.

FIRST-EVER CANCER
CELL AND GENE THERAPY,
FOR ADVANCED LEUKEMIA

FIRST GENE THERAPY
FOR A GENETIC MUTATION
THAT CAUSES A RARE,
INHERITED FORM OF
RETINAL BLINDNESS

CONNECTING WITH PATIENTS FROM AFAR



150

Average number of telehealth patients reached per month



1000+

Average per day telemedicine monitoring encounters



700

Images from 238 patients analyzed for wound management



523

Patients reached via genetic counseling partnership throughout the nation

PENN LUNG TRANSPLANT PROGRAM

1,071

transplants in 25 years

104

Record number of lung transplant recipients in 2016

14

Specialties involved

3

Surgeons



NATIONAL AND REGIONAL RECOGNITION

All six Penn Medicine hospitals have achieved Magnet status from the American Nurses Credentialing Center, which recognizes nursing excellence.

- » Five Penn Medicine acute-care hospitals received awards from the American Heart Association/American Stroke Association's "Get With the Guidelines" program for the highest standard of stroke care.
- » Penn Medicine again had the most physicians in the region featured on Philadelphia magazine's "Top Docs" list.
- » 30 Clinical Care Associates practices received the highest designation from the National Committee for Quality Assurance for providing access to more efficient and better coordinated care.
- » Ranked 7th nationally and first in Pennsylvania in Forbes magazine's annual "Best Employers in America."
- » Among the 10 highest ranked organizations to receive a 2017 BOLD (Best Organizations for Leadership Development) Award from the National Center for Healthcare Leadership.
- » Penn Medicine Information Services named "Most Wired" by the Health & Hospital Networks magazine.



U.S. NEWS & WORLD REPORT RANKINGS

TOP 5

The Perelman School of Medicine is ranked among the top five medical schools in the country by U.S. News & World Report, for the 20th year in a row.

RANKED AMONG NATION'S TOP TEN

Hospital of the University of Pennsylvania and Penn Presbyterian Medical Center ranked 10th in the United States, according to the U.S. News & World Report annual "Best Hospitals" survey. U.S. News & World Report ranked five Penn Medicine acute-care hospitals among the top 15 in Pennsylvania.



Hospitals of the University of Pennsylvania - Penn Presbyterian

GLOBAL ENGAGEMENT

The Center for Global Health synthesizes and expands Penn Medicine's efforts to improve worldwide health equity. The center's vision for the future is to build a healthier world by training tomorrow's leaders, addressing global health disparities, supporting regional centers of engagement in underserved locations, and uniting the Penn global health community through workshops, pilot projects, and seminars.

Among the many international projects, two stand out as the foundation of Penn's involvement in global health. The eleven-year-old Guatemala-Penn Partnership focuses on public health, medical, as well as projects in local anthropology and archaeology. The 16-year-old Botswana-UPenn Partnership encompasses well-established programs in HIV/AIDS and oncology, with the education of local health care professionals. Centers of Engagement are located in sub-Saharan Africa, Latin America, and North America.

Additional programs are underway across the globe, including China, the Philippines, and India. The Penn community also comes together to support humanitarian and medical relief efforts across the globe, such as a medical student-led initiative that raised more than \$50,000 to help Hurricane Maria relief in Puerto Rico.



CENTER FOR GLOBAL HEALTH: BY THE NUMBERS

The Center engages in **155** health programs in **55** countries in three areas: improving patient care, training the next generation of caregivers, and studying numerous diseases and conditions that affect the underserved.

28

CLINICAL CARE
ACTIVITIES

66

EDUCATION & TRAINING
INITIATIVES

125

RESEARCH PROJECTS





AIDING THE COMMUNITY

from Within

Caring for people living throughout Pennsylvania and New Jersey is Penn Medicine's primary mission. Every day, physicians, nurses, medical students, researchers, and staff lend their time, skills, and knowledge to help the communities the health system serves, often as volunteers outside of their work. Penn Medicine's CAREs grant program supports faculty, students, and staff who volunteer in community-based programs. Since CAREs was established in 2012, it has provided grants to over 250 service initiatives throughout the region, including programs in community centers, farmers markets, and places of worship.



\$254 million
in charity and underfunded
care for Medicaid families



\$116 million
in physician training support



\$129 million
in research support
and community health
improvement services

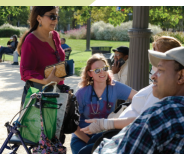


\$1.1 million
raised by Penn's Way campaign



IN THE NEIGHBORHOODS

Penn Medicine Community Initiatives



Perelman School medical students work with **PROJECT HOME** to deliver street-based care to homeless individuals with chronic conditions.



The new **BABY HUGGERS** program at Chester County Hospital brings the healing power of touch to newborns in the Neonatal Intensive Care Unit.



The **PENN ACADEMY FOR SKIN HEALTH** teaches students from Philadelphia high schools about research and clinical aspects of a career in dermatology.



The **BREASTFEEDING AWARENESS AND EMPOWERMENT** program helps African-American families make informed decisions about health and wellness related to breastfeeding.



Lancaster General Hospital's **CHILDPROTECT** initiative partners with the Amish community and local fire companies to provide free immunizations to children living in rural areas of Lancaster County.

ECONOMIC DEVELOPMENT



Penn Medicine is the top health care employer in the city of Philadelphia

\$4.8 billion
Total Economic Impact in the Philadelphia Area

PENNSYLVANIA

\$7 billion
Total Economic Impact



NEW JERSEY

\$740 million
Total Economic Impact



Our mission is to advance knowledge and improve health through research, patient care, and the education of trainees in an inclusive culture that embraces diversity, fosters innovation, stimulates critical thinking, supports lifelong learning, and sustains our legacy of excellence.



Penn Medicine