

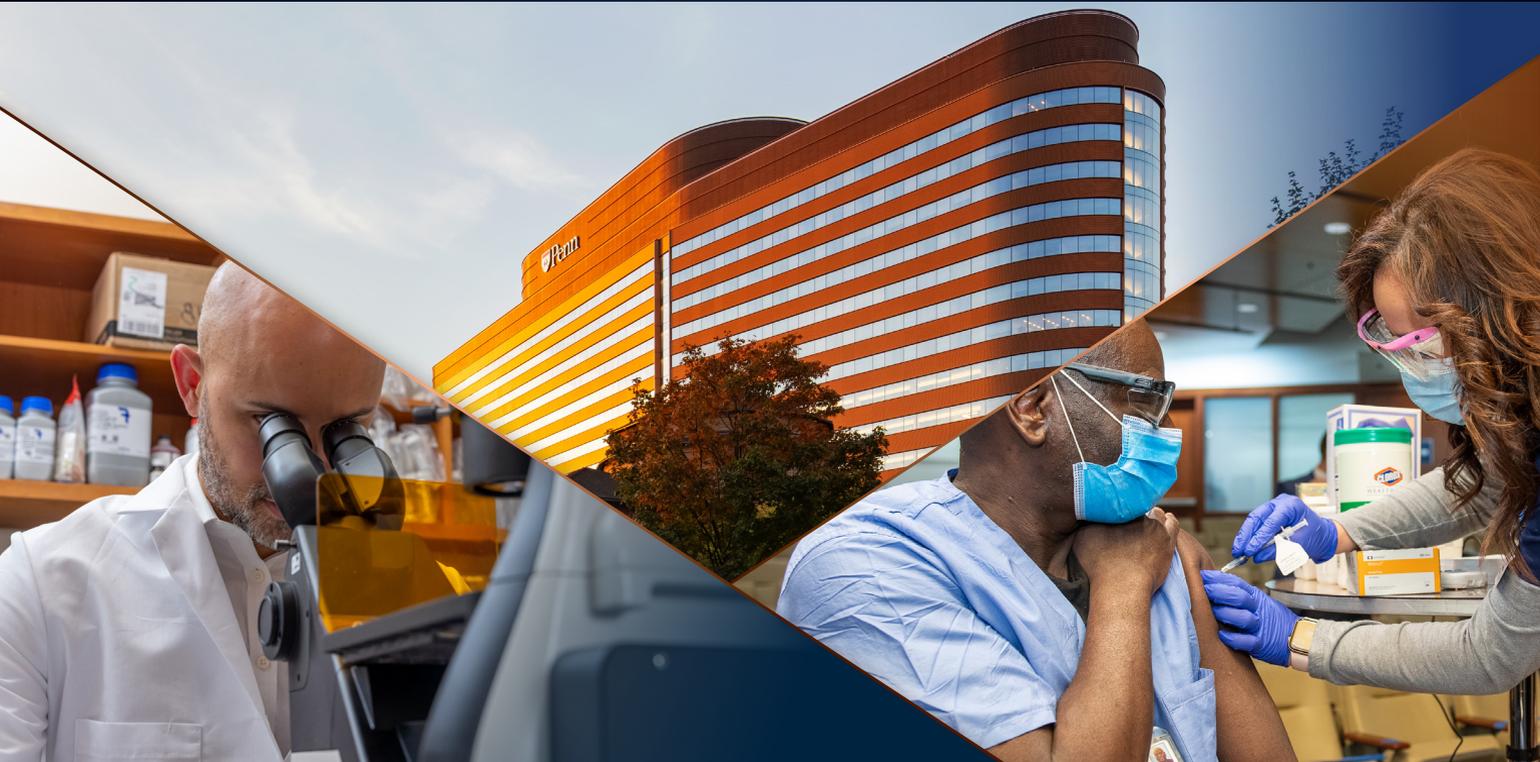


Penn Medicine

FACTS & FIGURES

2022

FROM INSPIRATION to INNOVATION



PENN MEDICINE IS...

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



PATIENT CARE

Home of the nation's 1st hospital, founded in 1751

Penn Medicine's physicians, nurses, and staff provide exceptional, personalized care to patients with a wide range of medical conditions. Guided by real-time data and the latest science, and equipped with leading-edge technology, our doctors and nurses work together to ensure that patients' needs are addressed from multiple perspectives. Pharmacists and social workers, as well as nutrition and rehabilitation professionals, are all part of the care team.



RESEARCH

Recipients of over \$980M in research funding

Penn Medicine's researchers 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 11 other schools at the University of Pennsylvania, including experts in informatics, bioengineering, and health policy.



EDUCATION

First medical school in the United States

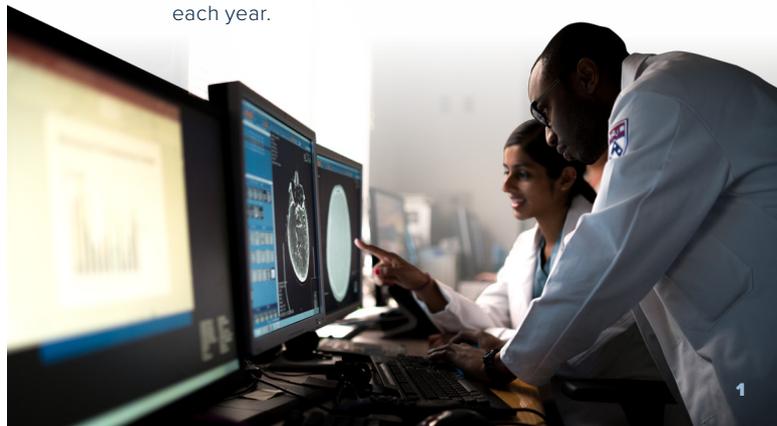
The Perelman School of Medicine — established in 1765 — is consistently ranked among the nation's top academic medical schools by *U.S. News & World Report*. Penn Medicine offers students an innovative, comprehensive curriculum that prepares them to become leading physicians and scientists in the United States and around the world. Our community numbers over 25,690 alumni living and working across the globe.



COMMUNITY SERVICE

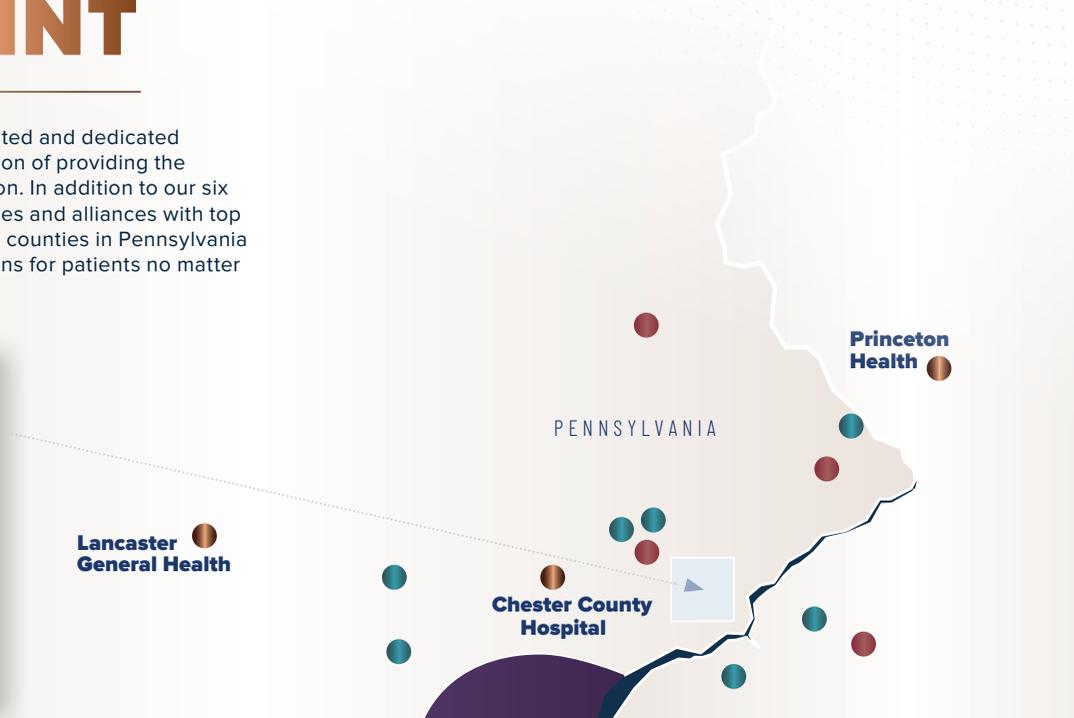
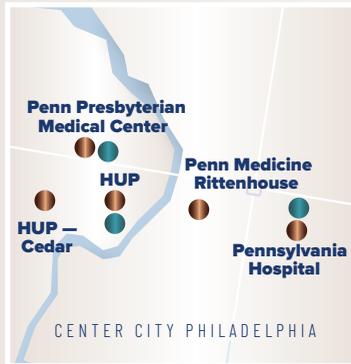
780+ service initiatives funded by CAREs grants

Supporting the community is a cornerstone of Penn Medicine's mission. Every day, physicians, nurses, students, and staff volunteer their time and knowledge to serve vulnerable populations. They operate free neighborhood clinics, help low-income residents manage medical appointments and wellness efforts, provide education and mentorship, and conduct other outreach initiatives. Penn Medicine also provides millions of dollars in care for underserved patients each year.



A GROWING FOOTPRINT

Penn Medicine is powered by a talented and dedicated workforce, all committed to our mission of providing the best care of patients across our region. In addition to our six hospitals, we have outpatient practices and alliances with top community health systems across 27 counties in Pennsylvania and New Jersey, creating more options for patients no matter where they live.



-  **HOSPITALS & INPATIENT FACILITIES**
-  **MULTISPECIALTY OUTPATIENT SITES**
-  **ALLIANCES & AFFILIATES**
 - Virtua Health System
 - Trinity Health Mid-Atlantic
 - Grand View Health
 - Tower Health
 - Cape Regional Medical Center
 - Bayhealth
 - Shore Medical Center

CLINICAL FACILITIES

Setting the Standard for Inpatient Care

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



HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA

The Hospital of the University of Pennsylvania is Penn Medicine's largest hospital. HUP is a busy inpatient hub for cancer, neurosciences, cardiac care, and many other specialties. It is also the oldest university-owned teaching hospital in the country, and home to the new Pavilion – the largest capital project in the University of Pennsylvania's history.



PENN PRESBYTERIAN MEDICAL CENTER

Penn Presbyterian Medical Center is a renowned center for cardiac care and ophthalmology. PPMC's campus includes the Musculoskeletal Center's outpatient facility at Penn Medicine University City and the Pavilion for Advanced Care, home to Penn Medicine's Level 1 Regional Resource Trauma Center.



PENNSYLVANIA HOSPITAL

Pennsylvania Hospital is the nation's first hospital, cofounded by Benjamin Franklin in 1751. Today, PAH's outstanding clinical programs include the Spine Center, the Center for Transfusion-Free Medicine, maternity and newborn services, and behavioral health. The campus includes Penn Medicine Washington Square, the hospital's outpatient facility.



CHESTER COUNTY HOSPITAL

Chester County Hospital is a hospital complex in West Chester specializing in heart and vascular care, cancer, orthopaedics, and women's health. With satellite locations in Exton, West Goshen, New Garden, Jennersville, Kennett Square, and West Grove, CCH is the largest hospital in Chester County, with a 250,000-square-foot expansion which opened in 2020.



LANCASTER GENERAL HEALTH

Lancaster General Health includes Lancaster General Hospital, the Women & Babies Hospital, and a network of nearly 100 outpatient facilities and physician practices in Lancaster, Chester, and Lebanon counties.



PENN MEDICINE PRINCETON HEALTH

Penn Medicine Princeton Health is among the most comprehensive health care systems in New Jersey. PMPH includes facilities offering acute care hospital services, behavioral health care, ambulatory surgery, and wellness services.



SPECIALIZED FACILITIES

Personalized Care Across the Region

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. It is connected to the **Perelman School of Medicine's Jordan Medical Education Center** and the **Smilow Center for Translational Research**, which brings basic scientists and physicians together.

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

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.

Princeton House Behavioral Health and Lancaster Behavioral Health Hospital provide a range of inpatient and outpatient services for patients with mental health, substance abuse, or co-occurring disorders.



Penn Medicine at Home offers a full range of home-health services, including skilled nursing assistance, palliative care, hospice, bereavement programs, and infusion therapy.

Penn Urgent Care South Philadelphia offers fast, convenient care for patients of all ages with minor illnesses and injuries. Patients can walk-in seven days a week, including holidays.

Easily accessible care is available throughout the region at Penn Medicine's **multispecialty ambulatory locations**. These centers offer convenient access to care across many disciplines, as well as laboratory testing and radiology services.

- Bucks County
- Cherry Hill
- Mount Laurel
- Radnor
- Southern Chester County
- University City
- Valley Forge
- Washington Square
- Woodbury Heights

THE NEW PAVILION

A Beacon of Hope

Officially opened on October 30, 2021, the Pavilion at the Hospital of the University of Pennsylvania is the largest capital project in the University of Pennsylvania's history, and one of the largest hospital projects in the United States. The \$1.6 billion facility is home to a number of innovative approaches in staff training, design and construction, and technology.

PAVILION FAST FACTS

1.5 million square feet **17** stories

504 patient rooms **47** operating rooms

61 Emergency Department treatment rooms

EARTH-FRIENDLY DESIGN

Largest certified project in the world to achieve Gold LEED v4 Healthcare



1 ACRE

OF GREENERY THROUGH
LANDSCAPING
& GREEN ROOFS



352

BICYCLE
PARKING SPOTS



25%

MATERIALS
PREFABRICATED &
MANUFACTURED OFF-SITE



THE MONUMENTAL MOVE

10,000 employees trained to prepare for opening day

310 patients moved by **420 staff** and volunteers, over

7 hours

WATCH THE VIDEO of a drone tour from inside the Pavilion, narrated by John Legend



COMBATING COVID-19

On the Front Lines of a Pandemic

The COVID-19 pandemic tremendously impacted the delivery of patient care around the world. At Penn Medicine, faculty and staff have demonstrated a commitment to supporting our community, implementing new clinical practices, and developing technology for COVID-19 prevention and care.

mRNA INNOVATORS

Pioneered by researchers **Katalin Karikó, PhD**, and **Drew Weissman, MD, PhD**, messenger RNA (mRNA) technology serves as the foundation of the Pfizer/BioNTech and Moderna COVID-19 vaccines. Their work, decades in the making, has launched a new chapter in medicine to harness mRNA-based approaches with the potential to prevent and treat countless other diseases.



SCAN TO WATCH THE STORY
behind the development
of the lifesaving
mRNA technology



COVID-19 CARE

- 365,000+** vaccines administered
- 15,700+** COVID inpatients cared for since beginning of pandemic
- 610,000+** COVID tests administered for patients & community members
- 5.5+ million** pre-screened for COVID symptoms before in-person visits



COVID-19 RESEARCH

- 15+** vaccine clinical trials conducted
- 275+** non-clinical trials & **65+** clinical trials launched
- 4,230+** subjects enrolled in COVID studies
- 16,886** people participated in COVID research with the Penn Medicine BioBank
- 68% decrease** in mortality when patients enrolled in Penn's COVID Watch text messaging system



COMMUNITY VACCINATION

- 46** community vaccine clinics
- 10,000+** vaccines distributed at community clinics
- 4,716** homebound patients received COVID vaccines through Penn Medicine at Home
- 9,160+** homes visited by West Philadelphia Vaccine Street Team pilot program canvassers

COVID-19 data from March 2020 – Dec. 2021, unless otherwise noted.

PATIENT CARE

On the Forefront of Medicine

From emergency departments to inpatient units to outpatient clinics across the region, our physicians, nurses, pharmacists, social workers, and other members of the care team put patients first in every setting. We're leveraging telemedicine, mobile apps, and remote monitoring technologies to provide options that offer patients more convenience and enhance their safety — both when they're in our facilities and at home.

Penn Medicine's **Abramson Cancer Center**, designated as a Comprehensive Cancer Center by the National Cancer Institute since 1973, is a world leader in cancer research, patient care, and education. At the **Roberts Proton Therapy Center**, the largest integrated radiation oncology center in the world, patients are treated with this highly precise form of radiation, which eradicates tumors while sparing healthy surrounding tissue and eliminating many side effects of conventional radiation treatment. Many Penn physicians also see patients at the Children's Hospital of Philadelphia and the Corporal Michael J. Crescenz VA Medical Center.

SAFEGUARDING **BLACK MATERNAL HEALTH**



As a national leader in obstetrical care and health equity, Penn Medicine is highly engaged in efforts to reduce maternal morbidity, mortality, and inequities. Penn is leading bold initiatives through a combination of research and clinical efforts to improve outcomes for new mothers and their babies—leading to a 30 percent reduction in serious complications for Black patients.



CANCER CARE @ HOME

Launched as a pilot in Feb. 2020, the program brings cancer treatments to patients in the comfort of their own home.



3,000 patients now receive cancer care at home annually



Scaled 700% in 6 weeks during the onset of the COVID-19 pandemic



30 cancer drugs offered



Care provided across **3 states**

PENN ORTHOPLASTIC **LIMB SALVAGE CENTER**

Treating complex patients at high risk for limb amputation.



3 YEAR
FORMALIZED PROGRAM
LED BY ORTHOPAEDIC
SURGERY & PLASTIC
SURGERY



PATIENTS FROM
25
STATES



500+
ANNUAL SURGICAL
CASES

RESEARCH

Tomorrow's Cures, Today

CLINICAL TRIALS AT PENN MEDICINE

Driving discoveries to advance science & improve health.



2,698
clinical research studies in FY21,

with



10,828
enrolled patients,



33,452
active research participants,

&



862
faculty with clinical research awards

BIOMEDICAL GRADUATE STUDIES

Training future leaders in basic & translational research.



#1
in NIH training grant funding



3,000+
PhD alumni



770
faculty members



967
PhD students enrolled

with



25%
underrepresented minority students

Penn Medicine is an internationally recognized leader for discoveries that advance science and patient care. Eighty-five Penn Medicine researchers are members of the National Academy of Medicine, one of the highest honors in medicine.

The fundamental and discovery science and clinical research from Penn Medicine's laboratories and hospitals improve care for a wide range of medical conditions and provide the foundation for the next generation of therapies. The culture and campus of the University of Pennsylvania encourages close collaboration between scientists and clinicians, exemplified by its dozens of interdisciplinary clinical and research institutes, centers, and programs.

CENTER OF EXCELLENCE FOR INFLUENZA RESEARCH & RESPONSE

Improving flu vaccines and identifying viruses with pandemic potential.

\$9.7M in 1st year funding from NIH

1 OF 6 sites nationally

3 surveillance projects isolating swine, avian, & human influenza viruses

7 active surveillance sites across the globe



COLLABORATIVE RESEARCH BY THE NUMBERS



6,800+
FACULTY & STAFF



4,100+
STUDENTS, POST DOCTORAL TRAINEES, RESIDENTS & FELLOWS



47
DEPARTMENTAL CENTERS



32
FREE-STANDING INTERDISCIPLINARY CENTERS & INSTITUTES



28
BASIC & CLINICAL DEPARTMENTS

EDUCATION

Trailblazers in Medical 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 is built on a foundation of evidence-based medicine and patient-centered care, integrating basic sciences and clinical experience and fostering interdisciplinary teamwork.

PERELMAN SCHOOL OF MEDICINE ENROLLMENT



781

medical students



650

enrolled in dual certificate & master's degree programs



218

MD/PhD students



INCOMING CLASS OF 2021

156 students

52% female, 47% male

67% non-traditional applicants

29 pursuing an MD/PhD



GRADUATING CLASS OF 2021

156 graduates

47 graduates training at Penn, CHOP, or Scheie Eye Institute

22 states where graduates are attending residency

Top specialties:



Internal Medicine



Emergency Medicine



Pediatrics



General Surgery



Psychiatry



GRADUATE MEDICAL EDUCATION

1,081 residents & interns at HUP, PPMC, LGH, & PAH

409 fellows at HUP, PPMC, LGH, & PAH

84 ACGME-accredited residency and fellowship programs at UPHS

51 non-ACGME fellowships sponsored by departments at UPHS

GLOBAL ENGAGEMENT

Improving Health Around the World

The **Center for Global Health** launched in 2015 to synthesize and expand Penn Medicine's efforts to improve worldwide health equity.

Among many international projects, the Center for Global Health includes three regional centers of engagement — the Botswana-UPenn Partnership, the Guatemala-Penn Partnership, and the Vingroup-Penn Alliance in Vietnam.



CENTER FOR GLOBAL HEALTH

 **166** Global Health projects

 in **79** countries

 **118** faculty members engaged in international research, education, & clinical work

 **17** international trainees engaged at Penn

BOTSWANA-UPENN PARTNERSHIP

 celebrated **20 years** in 2021

 **120** full-time staff

 **150+** Penn-affiliated travelers go to Botswana each year

 **300+** peer-reviewed articles

DIVERSITY & INCLUSION

Pursuing Racial Justice & Health Equity

Penn Medicine is committed to addressing all forms of racism and bias within the community, fostering a space that is rich in diversity, respect, and tolerance for individuals of all backgrounds. Penn has been taking action to change the culture and break down barriers to ensure a safe, welcoming, and supportive environment.

DRIVING HEALTH EQUITY RESEARCH

Initiatives to increase preventative screening, clinical trial, & research equity.



10,000+ Black Philadelphians recruited for one of the largest genetic studies of glaucoma



1,000% increase in colorectal cancer screening rates from take-at-home tests, offered to minority patients at a community health center



\$14M NIH grant for Penn INSPIRE, which aims to reduce racial and gender disparities in suicide prevention research

ACTION FOR CULTURAL TRANSFORMATION (ACT)

An enterprise-wide plan for all of Penn Medicine to ensure equity, mitigate bias, & eliminate structural racism.

96.5% of employees, students, faculty, & trainees completed unconscious bias training

19 new vice-chairs of Inclusion, Diversity, & Equity

118% increase in full-time women faculty & underrepresented minority faculty since 2010

CARE IN THE COMMUNITY

Making a Meaningful Impact

Our commitment to care for people in Pennsylvania and New Jersey extends far beyond the walls of our facilities. 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 launched in 2011, it has provided over 780 grants to service initiatives, including programs in community centers, farmers markets, and places of worship.



Read and watch inspiring stories of service in action in the Penn Medicine community impact report at communityimpact.pennmedicine.org.

GIVING BACK IN FY21



\$324M

IN CHARITY AND UNDERFUNDED CARE FOR MEDICAID FAMILIES



\$139M

IN PHYSICIAN TRAINING SUPPORT



\$156M

IN RESEARCH SUPPORT & COMMUNITY HEALTH IMPROVEMENT SERVICES



\$1.6M

RAISED BY PENN'S WAY CAMPAIGN



HUP CEDAR AVE

Anchored by HUP – Cedar Avenue, the PHMC Public Health Campus on Cedar, which includes a Federally Qualified Health Center, provides high-quality, community-informed health care and social services for West and Southwest Philadelphia. Penn Medicine manages the hospital emergency department, inpatient services, and behavioral health programming as a remote HUP location.



SCAN TO WATCH THE VIDEO



IN THE NEIGHBORHOOD

Improving the Well-Being of Our Communities

LEAD-FREE FAMILIES

Lead-Free Families is a multi-year community health initiative aimed at eliminating childhood lead poisoning in Lancaster County. With a \$50 million investment by Lancaster General Health, the program is the first of its kind in the U.S. to be initially funded and led by a health system.



GRASSROOTS VACCINE EFFORT

Chester County Hospital's efforts to ensure equitable COVID-19 vaccine access — at sites from food pantries to churches — was commended by the Pennsylvania Department of Health.

PREVENTION POINT

During the COVID-19 pandemic, students, staff, and faculty members volunteered with Prevention Point — a harm reduction nonprofit — to provide accessible COVID-19 testing in the community.



RADKIDS®

Princeton Health trained and deployed 13 new instructors to restart in-person sessions of radKIDS®, a personal empowerment program designed to give children the skills to recognize, avoid, and escape unsafe situations.

FAST

FAST (Food Access Support Technology) created by the Center for Health Equity Advancement connects health systems, food access community-based organizations, and minority-owned small businesses to fight food insecurity.



ECONOMIC DEVELOPMENT

An Engine for Progress

IMPROVING THE REGION'S ECONOMIC HEALTH

\$15.1B

in total economic impact

\$208.6M

total annual tax revenue

ECONOMIC IMPACT BY CITY & STATE

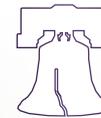


\$13.7B

total impact
in PA

70,790

jobs supported
in PA



\$9.3B

total impact
in Philadelphia

40,490

jobs supported
in Philadelphia



\$1.4B

total impact
in NJ

9,200

jobs supported
in NJ



**Data from 2019 Economic Impact Report*

AWARDS & ACCOLADES

Leading with Distinction

U.S. NEWS & WORLD REPORT

Penn Medicine hospitals were ranked among the top hospitals in the nation by *U.S. News & World Report* in 2021. HUP-PPMC was named to the magazine's prestigious "Honor Roll" list for the 15th consecutive year, and 12 clinical specialties received top rankings.



Penn Medicine's hospitals are recognized as among the best regionally.

#1

HUP-PPMC

in Pennsylvania & the Philadelphia metro area

#4

LANCASTER GENERAL HOSPITAL

in Pennsylvania

#4

PENNSYLVANIA HOSPITAL

in the Philadelphia region

#8

CHESTER COUNTY HOSPITAL

in the Philadelphia region

A LEADING EMPLOYER



#9 in PA on *Forbes* magazine's "Best Employers in America" list



#103 on *Forbes* magazine's annual "Best Employers for Diversity in 2021" list

NATIONAL & REGIONAL RECOGNITION



#9 research-oriented medical school by *U.S. News & World Report* in 2021



512 physicians included in *Philadelphia* magazine's "Top Docs" 2021 list



All acute care facilities achieved **Magnet status** from the American Nurses Credentialing Center

ENTITY ACCOLADE HIGHLIGHTS

LGH was named to Healthgrades' America's 50 Best Hospitals list for 2021.

CCH was named a top performer in the 2021 Bernard A. Birnbaum, MD, Quality Leadership Annual Ranking by Vizient, Inc.

PMPH earned Perinatal Care Certification, a designation by The Joint Commission recognizing the hospital's comprehensive, integrated, and patient-centered care for mothers and babies.

PAH's Emergency department received the Emergency Nurses Association's Lantern Award — the ED's third consecutive designation.

PPMC ranked #27 in the United States and #50 globally alongside HUP on *Newsweek's* World's Best Smart Hospitals 2021.

PENN MEDICINE FISCAL YEAR 2021



ANNUAL OPERATING REVENUE

\$9.9 BILLION



RESEARCH, PEOPLE, & INNOVATION

Total Sponsored Research	\$982M
NIH Awards	\$546M
PA State Research Funding	\$7.65M
New Patents Awarded	128
Licensing Revenue	\$300+M
Physicians	6,052
Full-Time Faculty (includes CHOP)	2,914
MD Students	781
PhD Students	793
VMD-PhD Students	16
MD-PhD Students	218
Residents & Fellows (HUP, PPMC, PAH, LGH)	1,490
Postdoctoral Fellows	782
Employees	47,035



PHILANTHROPY

Gifts	\$218.9M
Donors	24,496
Alumni Participation	25%

	TOTAL	HUP	PAH	PPMC	CCH	LGH	PMPH
Outpatient Visits¹	6,510,302	1,974,678	292,553	282,395	488,725	1,350,572	210,036
ED Visits	337,284	69,472	37,921	47,925	36,623	105,375	39,698
Adult Admissions	129,722	35,191	18,426	17,828	14,719	27,986	15,572
Births	18,266	4,079	5,127	--	2,830	4,224	2,006
Licensed Beds²	3,406	988	551	399	341	668	459

KEY TO ABBREVIATIONS:

CCA: Clinical Care Associates
 CCH: Chester County Hospital
 CHCA: Clinical Health Care Associates
 CHOP: Children's Hospital of Philadelphia
 ED: Emergency Department
 GSPP: Good Shepherd Penn Partners
 HUP: Hospital of the University of Pennsylvania
 LGH: Lancaster General Health
 PMAH: Penn Medicine at Home
 PMPH: Penn Medicine Princeton Health
 PPMC: Penn Presbyterian Medical Center
 PAH: Pennsylvania Hospital

KEY TO SUPERSCRIPTS:

(1) Includes CCA/CHCA, GSPP, PMAH
 (2) Includes newborn bassinets

