

# PENN Medicine

*Facts and Figures....*



PENN Medicine is a \$2.7 billion enterprise dedicated to the related missions of medical education, biomedical research, and quality patient care. PENN Medicine consists of the University of Pennsylvania School of Medicine and the University of Pennsylvania Health System.

Penn's School of Medicine is ranked #2 in the nation for receipt of NIH funds, and ranked #4 in the nation in *U.S. News & World Report's* most recent ranking of top research-oriented medical schools. The School of Medicine is recognized worldwide for its superior education and training of the next generation of physician/ scientists and leaders of academic medicine.

The Penn Health System includes three hospitals [Hospital of the University of Pennsylvania, Pennsylvania Hospital, and Penn Presbyterian Medical Center]; a faculty practice plan; a primary-care provider network; two multispecialty satellite facilities; home care and hospice, and long term care.

Multidisciplinary units reaching across the SOM and the Health System foster research initiatives to advance patient care. A sampling of centers and institutes includes: Abramson Cancer Center; Center for Clinical Epidemiology and Biostatistics; Center for Bioethics; Institute on Aging; Institute for Medicine and Engineering; Center for Research on Reproduction and Women's Health; Center for AIDS Research; Penn Cardiovascular Institute; Institute for Diabetes, Obesity, and Metabolism; and Institute for Translational Medicine and Therapeutics.

## PENN MEDICINE: FY05 Profile

**Economics & Funding**  
Annual Operating Budget \$2.7 billion

**Research**  
NIH Funding \$393.6 million  
State Funding \$5.5million

**Health Care**  
Outpatient Visits 2,211,228  
Admissions 72,174  
Emergency Department Visits 109,237  
Births 8,448

**School of Medicine**  
Faculty 1,485  
Students 718  
% Receiving Financial Aid 80%

**Philanthropy**  
Gift Amounts \$120,517,032  
Donors 15,739

**Facilities & Employees**  
Employees 15,319  
Square Feet of Building Space 7,000,000

## THE UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE

School of Medicine curriculum centers on the Science of Medicine, the Art and Practice of Medicine, and Professionalism and Humanism.

Special Programs include: The "Doctoring" course, a four year patient-centered experience, in which pairs of medical students follow a chronically ill patient, to better understand the consequences of chronic illness on the patient and family.

### Biomedical Graduate Studies

- PhD training programs in biochemistry and molecular biophysics, cell and molecular biology, epidemiology and biostatistics, genomics and computational biology, immunology, neuroscience, pharmacological sciences, as well as bioengineering and biology as affiliate programs.
- 533 full-time pre-doctoral students who are generally awarded financial support for the five years required, on average, to obtain the PhD degree.
- 160 biomedical graduate students enrolled in combined degree programs.
- Penn's NIH-sponsored Medical Scientist Training Program is the largest in the nation.

### Masters Degree Programs

- Bioethics
- Clinical Epidemiology
- Biostatistics
- Public Health
- Translational Research

### Research

- 47 % of all NIH dollars coming into Pennsylvania are the result of research done at Penn's School of Medicine.
- In Federal FY 2004, Penn's School of Medicine received \$393.6 million in total National Institutes of Health (NIH) support, ranking third among academic centers in the United States. This includes:
  - \$364 million in NIH research awards.
  - \$20 million in NIH training grants, ranking first among U.S. medical schools.
- Major research facility of the Howard Hughes Medical Institute, with a total of 5 investigators from the School of Medicine.



### Facts and Figures

- **Founded in 1765 as the nation's first medical school.**
- **718 medical students.**
- **965 residents and fellows.**
- **705 postdoctoral fellows working in 46 departments, divisions, and centers in the School of Medicine.**
- **2005 Entering Class: 147 admitted; 49% male, 51% female, 13% under represented minorities**
- **Approximately 80% of all students receive financial aid.**
- **Featured in *US News & World Report's* "Best Graduate Schools", ranking 4th out of 123 medical schools in the nation.**
- **Awarded 58 patents for FY 2004**
- **2,568 School of Medicine employees.**
- **10 buildings; 1.79 million net square feet.**
- **942,000 net square feet research space**

[www.med.upenn.edu](http://www.med.upenn.edu)

## THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

The University of Pennsylvania Health System was created in 1993 and includes three hospitals [the Hospital of the University of Pennsylvania (HUP), Penn Presbyterian Medical Center, and Pennsylvania Hospital]; a faculty practice plan (Clinical Practices of the University of Pennsylvania); a primary-care provider network (Clinical Care Associates); two multispecialty satellite facilities (Penn Medicine at Radnor and Penn Medicine at Cherry Hill); and home health care, hospice and long-term care. Physicians who practice at the Health System are featured in the 2005 *Philadelphia Magazine's* "Top Docs" issue.

The Health System's role as a major "safety net" provider for uninsured and under-insured patients is rooted in its long and uninterrupted tradition of community service, as well as its modern-day mission and values. When HUP was established 130 years ago as the nation's first teaching hospital, it began its fruitful association with its West Philadelphia neighbors. Today, that rich tradition of community service remains unchanged and is expressed by all UPHS hospitals, as Penn caregivers provide an enormous level of charity care.

In absolute dollars, the level of the Health System's financial commitment to uncompensated care is significant. In Fiscal Year 2005, uncompensated care totalled nearly \$50 million.

[pennhealth.com](http://pennhealth.com)



## SAMPLING OF BIOMEDICAL ACHIEVEMENTS IN THE LAST CENTURY

- Development of parenteral nutrition (TPN)
- Pioneering of computed tomography (CT) and positron emission tomography (PET) scanning
- Discovery of the Philadelphia Chromosome, the first defective chromosome linked to cancer
- Development of cognitive therapy
- Development of Retin-A for acne and wrinkles
- Pioneering of human in-vitro fertilization and endoscopic surgery
- Discovery of expanded, triplet nucleotides repeats as a cause of mutations leading to human disease
- Pioneered the study of islet cell transplantation as a method of treating insulin-dependant diabetes
- Discovery of the genes for Fragile X Syndrome, Kennedy's disease, and Charcot-Marie-Tooth disease
- Pioneering basic clinical applications of gene transfer
- Development of cure for atrial fibrillation
- Discovery of hormone that triggers type 2 diabetes
- Discovery of several genes implicated in congenital heart disease
- Development of new therapy for sickle cell disease
- Discovery of genes contributing to Prader-Willi/Angelman syndrome
- Discovery of the genetic mutation that may have led to human evolution.



*Penn Medicine, a non-profit organization, is a world-renowned institution dedicated to discoveries that will advance science and patient care throughout the world and to the education of the physicians and scientists of tomorrow to carry on this legacy of excellence.*

## HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA

3400 Spruce Street, Philadelphia, PA 19104,  
215-662-4000, [www.pennhealth.com/hup](http://www.pennhealth.com/hup)

Founded in 1874 as the nation's first teaching hospital, the Hospital of the University of Pennsylvania (HUP) is the flagship hospital of the University of Pennsylvania Health System.

The hospital provides a comprehensive range of both in and out patient services, including highly specialized tertiary and quaternary levels of care in more than 200 specialty programs and clinics.

HUP has been included on the US News & World Report "Honor Roll" of Best Hospitals in America, since 1997.

**Specialties include:** Cancer and Cancer Genetics; Cardiovascular Services (electrophysiology, Heart Failure & Transplant Program, Robotic Surgery Programs, Philadelphia Adult Congenital Heart Program); Neurology (Stroke Center, Alzheimer's Disease Center, Parkinson's Center, Epilepsy Clinic); Women's Health (including infertility and high risk pregnancy); Diabetes; Multi-Organ Transplant Program; Neurosurgery (brain disorders including tumors and aneurysms, spinal disorders including disc, cervical, thoracic and lumbar abnormalities, stenosis and peripheral nerve damage); Institute on Aging; Vascular Laboratory; Orthopaedic Surgery; Gastroenterology, and Ophthalmology.



### Facts and Figures

- 695 licensed patient beds.
- 4,221 employees.
- 1,727 physicians.
- 35,518 adult admissions.
- 1,065,605 outpatient visits.
- 52,500 Emergency Room visits.
- 3,776 births.
- 16 interconnected buildings; 2,000,000 square feet.
- Nation's first teaching hospital.
- Ranked as one of the "Best Hospitals in America" by *U.S. News & World Report*

**General Clinical Research Center** — one of the nation's first — conducts clinical trials in a controlled environment. Major areas of investigation include AIDS, the cardiovascular system, chronobiology, dermatology, endocrinology, regenerative medicine, metabolism, neurology, oncology, psychiatry, and women's and minority health issues.

**Penn's Level I Trauma Center** includes PennSTAR, our critical-care flight program, which operates three helicopters servicing Eastern Pennsylvania, New Jersey, Delaware, and beyond. Since its inception in 1988, PennSTAR has flown more than 20,000 patients.

## ABRAMSON CANCER CENTER OF THE UNIVERSITY OF PENNSYLVANIA

**The Abramson Cancer Center of the University of Pennsylvania** is a national leader in interdisciplinary patient care, research, and education. The pre-eminent position of the Cancer Center is reflected in its continuous 30 year designation as a Comprehensive Cancer Center by the National Cancer Institute. More than 300 members of the Center are actively involved in the diagnosis and treatment of cancer patients and are dedicated to developing more effective treatments for all types of cancer and to forging scientific discoveries that will lead to new understandings about the underlying causes of this disease.



## PENN PRESBYTERIAN MEDICAL CENTER

3900 Market Street, Philadelphia, PA 19104,  
215-662-8000, [www.pennhealth.com/presby](http://www.pennhealth.com/presby)

Penn Presbyterian was founded in 1871 as a 45-bed facility on 2 1/2 acres. Today the medical center spreads across a 16-acre campus and includes a large array of medical institutes, specialty centers and research programs. Penn Presbyterian offers its patients state-of-the-art services, from primary and family care to the most complex medical and surgical treatments available.

**Specialties include:** Penn Cardiac Care, including cardiovascular medicine and cardiothoracic surgery; Robotic Surgery; Penn Orthopaedics; Scheie Eye Institute – Ophthalmology; Asthma Project; Minimally Invasive Surgery Program; Thoracic Surgery; Behavioral Health; Pulmonary Medicine; Acute Care of Elders; Pulmonary and Vascular Disease Program.



### Facts and Figures

- 344 licensed beds.
- 1,693 employees.
- 826 physicians.
- 14,252 patient admissions.
- 235,332 outpatient visits.
- 30,165 Emergency Room visits.
- 13 buildings; 1,000,000 gross square feet.
- Named one of the nation's *Top 100 Cardiovascular Hospitals by Solucent.*

## PENNSYLVANIA HOSPITAL

800 Spruce Street, Philadelphia, PA 19107,  
215-829-3000, [www.pennhealth.com/pahosp](http://www.pennhealth.com/pahosp)

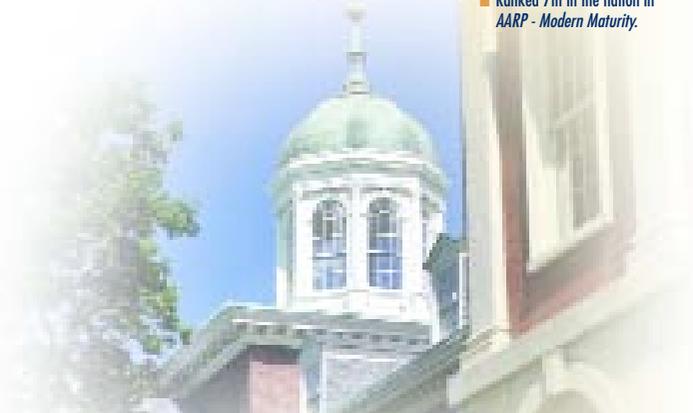
Pennsylvania Hospital – the nation's first – was founded in 1751 by Benjamin Franklin and Dr. Thomas Bond. Today, the acute care facility offers a full-range of diagnostic and therapeutic medical services and is a major teaching and clinical research institution. The campus includes specialty treatment centers, such as the **Joan Karnell Cancer Center** and the **Penn Neurological Institute**.

**Specialties include:** Surgical Services (including orthopaedics & vascular); Otorhinolaryngology (ENT); Urology, Obstetrics Program (including high-risk maternal and fetal services & neonatology); Neurosciences; Behavioral Health; and expanding programs in Cancer, Cardiac Care and Bloodless Medicine and Surgery. In the Fall of 2005, the radiosurgical **Gamma Knife Center** will open at Pennsylvania Hospital to treat abnormalities in the brain.



### Facts and Figures

- 515 licensed beds.
- 2,246 employees.
- 869 physicians
- 22,404 patient admissions
- 166,017 outpatient visits
- 26,572 Emergency Room visits.
- 4,672 births (the largest number in Philadelphia).
- 19 buildings; 1,200,000 square feet.
- Ranked 7th in the nation in *AARP - Modern Maturity.*



## SATELLITES AND OFF-SITE CLINICAL SERVICES

**Clinical Care Associates (CCA)/Clinical Health Care Associates of New Jersey (CHCA)** is a primary care provider network with practices located throughout Philadelphia and the surrounding areas.

**Penn Medicine at Radnor** offers patients premier specialty and primary care with expertise in more than 30 specialties, as well as onsite laboratory and radiology services including a Women's Imaging Center.

**Penn Medicine at Cherry Hill**, provides outpatient specialty services in Southern New Jersey.

**Penn Cardiology at Cherry Hill** provides outpatient cardiac care in South Jersey.

**Penn Center for Rehabilitation and Care**, is a 124-bed skilled and rehabilitative nursing facility.

**Penn Care at Home**, a Medicare-certified home health agency, provides approximately 119,000 nursing and therapy visits annually.

**Penn Home Infusion Therapy** provides a wide range of infusion therapies and skilled nursing care in patients' homes.

**Wissahickon Hospice**, a certified hospice and home-health agency, provides hospice and palliative care to terminally ill adult patients and their families.

