

Your Pocket Guide



JOHNS HOPKINS
MEDICINE



Johns Hopkins:

A historic name in medicine

Much of what we take for granted in medicine today—from the rigorous training of physicians and nurses to the emphasis on research and the rapid application of that research to patient care—emerged from innovations made more than a century ago at a brand new medical center in Baltimore, Johns Hopkins. Indeed, today the very name Johns Hopkins means medicine to a majority of Americans, according to a recent Gallup poll.

Hopkins now uses one overarching name—**Johns Hopkins Medicine**—to identify its whole medical enterprise. This \$4 billion virtual organization unites the physicians and scientists of **The Johns Hopkins University School of Medicine** with the health professionals and facilities that make up the broad **Johns Hopkins Health System**.

Points of Pride

- Johns Hopkins medical scientists receive more federal research support each year than their counterparts at other American medical schools.
- The Johns Hopkins School of Medicine is ranked one of the top two medical schools in the country.
- The Johns Hopkins Hospital has been ranked the Number 1 hospital in the United States every year since 1992 by *U.S. News & World Report*.
- Johns Hopkins is the only health care organization in Maryland to achieve a designation of excellence in nursing practice from the Magnet Recognition Program.

A word about our namesake, Mr. JohnS Hopkins

Johns Hopkins, the Quaker merchant, banker and businessman who left \$7 million in 1873 to create The Johns Hopkins University and The Johns Hopkins Hospital, was named for his great-grandmother, Margaret Johns. Her last name became his first name. Ever since, it's been confusing people.



A JOHNS HOPKINS MEDICINE PROFILE

Economics and Funding

Annual Operating Budget	\$4.1 billion
NIH Research Funding	\$607.2 million
State Research Funding (Cancer Research Program)	\$1.2 million
Number of Patents Filed (for new discoveries)	243
Royalty Income	\$13.5 million

Health Care

Admissions	82,523
Inpatient Days	414,144
Outpatient Visits	820,716
Outpatient Surgeries	43,231
Inpatient Surgeries	29,566
Emergency Department Visits	205,034
Births	6,499

More Facts

Philanthropic Contributions Received (FY06)	\$258.1 million
Total Employees	25,949
Net Square Feet of Building Space	4,169,470
Economic Impact on Maryland	\$6.4 billion
Uncompensated Care	\$208.5 million

The Johns Hopkins University School of Medicine



Johns Hopkins School of Medicine at a Glance

2,448 full-time faculty
1,249 part-time faculty
9,504 employees
482 medical students
85 percent of students receive financial aid

The M.D. Program Founded in 1893, the Johns Hopkins School of Medicine introduced modern medical education in the United States. For the first time, students working toward the M.D. blended rigorous study of the basic biomedical sciences with intensive guidance in patient care. In other words, scientific knowledge became part of diagnosing and treating disease.

In these early years of the 21st century, Hopkins is once again remolding its medical curriculum. This time, its new program of study will be called Genes to Society. The name reflects amazing new understandings about links between disease and our genes.

The Ph.D. 758 students are working not toward an M.D., but a Ph.D. in one of these scientific areas: biochemistry, cellular and molecular biology, biological chemistry, biomedical engineering, health sciences informatics, human genetics and molecular biology, immunology, cellular and molecular medicine, molecular biophysics, neuroscience, pharmacology and molecular sciences, pathobiology, cellular and molecular physiology, functional anatomy and evolution, and history of science, medicine and technology.

The M.D./Ph.D. The School of Medicine's M.D./Ph.D. program has served as the training ground for some of the world's most eminent medical scientists. With eight to 10 new graduate students matriculating each year, a total of 93 grad students currently enrolled and 48 slots funded by the National Institutes of Health, the program is the largest of the 40 NIH-funded Medical Science Training Programs. On average, students spend seven and a half years completing the dual-degree program.

Other Joint-degree Programs In collaboration with other divisions of the University, the School of Medicine also offers the M.D./M.P.H. and M.D./M.B.A.

Art as Applied to Medicine Founded in 1911, this medical illustration training program is the oldest in the country. For the 11 students regularly enrolled, the two-year curriculum leads to a master of arts in medical and biological illustration.

School of Medicine Points of Pride

- **The first dean of the Johns Hopkins School of Medicine created the nation's first School of Public Health—at Johns Hopkins.**
- **19 current or former School of Medicine scientists have received Nobel Prizes**
- **34 School of Medicine faculty, fellows or alumni have received the Lasker Award (the "American Nobel")**
- **20 members of the School of Medicine's current faculty have been elected to the National Academy of Sciences.**
- **11 School of Medicine faculty members have been selected as elite Howard Hughes Medical Institute investigators**

Medical Moments

A sampling of Hopkins discoveries through the years



- Completed the first draft of the breast and colon cancer genome
- Co-discovered that embryonic stem cells can develop into nearly any type of cell in the adult body
- Introduced prostate surgery that preserves sexual function and continence
- Helped develop the first effective treatment for sickle cell anemia
- Identified aquaporin, the protein that controls the body's ability to release water—as when our eyes well up (Nobel Prize 2003)
- Linked the P53 gene to colon cancer, leading to a decade of discoveries about this disease
- Identified the protein that shapes living cells and allows them to move, leading to new understanding of cancer metastasis
- Discovered restriction enzymes, the “biochemical scissors” that gave birth to genetic engineering (Nobel Prize 1978)
- Introduced a way of putting chemotherapy straight into the brain
- Developed cardiopulmonary resuscitation (CPR)
- Linked Marfan syndrome to a single gene defect and 50 years later discovered a treatment for its most lethal complication
- Discovered that Dramamine could alleviate motion sickness
- Ushered in modern heart surgery by developing the “blue baby” operation
- Discovered heparin, to prevent blood coagulation
- Isolated epinephrine-adrenalin

The Johns Hopkins Hospital



600 North Wolfe Street
Baltimore, MD 21287
410-955-5000
www.hopkinshospital.org

From the moment it opened in 1889, The Johns Hopkins Hospital has been recognized as a leader in world medicine. Consistently rated Number 1 in the nation, it houses Maryland's only pediatric trauma center and only eye trauma center.

Hopkins Hospital at a Glance

1,017 licensed patient beds
1,714 full-time attending physicians
1,089 residents and fellows
8,817 employees
47,378 admissions
268,224 inpatient days
231,634 outpatient visits
29,915 outpatient surgeries
21,891 inpatient surgeries
86,919 emergency department visits
2,012 births
20 interconnected buildings



Some Centers Within

The Wilmer Eye Institute

For 11 consecutive years, *Ophthalmology Times* has named the Wilmer Eye Institute the best overall program in the country for the treatment of diseases of the eye.

The Sidney Kimmel Comprehensive Cancer Center

One of only 39 centers in the country designated a Comprehensive Cancer Center by the National Cancer Institute, the Kimmel Center is an international leader in cancer treatment and research. It also offers programs in education, community outreach, prevention and control. In naming its “doctors of the decade” recently, the publication *Science Watch* noted that between 1999 and 2005, five Kimmel cancer scientists were the most frequently cited researchers in the world in research published by other cancer scientists.

The Johns Hopkins Children's Center

Founded in 1912 as the Harriet Lane Home for Invalid Children, the Children's Center is consistently ranked by *U.S. News & World Report* as one of the top three children's hospitals in the nation. Its *Harriet Lane Handbook*, first published in 1953 and now in its 16th edition, is one of the world's most widely used pediatric texts.

The Johns Hopkins Bayview Medical Center



4940 Eastern Avenue
Baltimore, MD, 21224
Phone: 410-550-0100
<http://www.hopkinsbayview.org>

A full-service teaching hospital on a 130-acre campus, Hopkins Bayview is also home to research facilities for the National Institute on Drug Abuse and the National Institute on Aging. Bayview's physicians hold full-time faculty positions at the School of Medicine

Bayview at a Glance

709 licensed patient
beds

3,300 employees

552 attending
physicians

84 residents and
fellows

21,259 admissions

91,084 inpatient days

102,882 outpatient
visits

3,856 outpatient
surgeries

4,115 inpatient
surgeries

51,002 emergency
department
admissions

1,594 births

Some Centers Within

The Burn Center

Besides offering acclaimed care to some 400 inpatients and 1,600 outpatients each year with burn injuries, this center conducts research on wound healing, reconstruction and other burn-related issues. It also takes part in community programs on burn prevention.

The Care Center

A 224-bed facility, the Care Center treats adult and geriatric patients with conditions that require every level of hospital and outpatient treatment. Many of these services are a bridge between hospital and home, with a strong focus on improving patients' health and well-being and returning them to their own environments.



Howard County General Hospital

5755 Cedar Lane
Columbia, MD 21044
410-740-7890
<http://www.hcgh.org>

HCGH at a Glance

**226 licensed
patient beds**

1,633 employees

705 physicians

13,886 admissions

54,836 inpatient days

**41,200 outpatient
visits**

**9,460 outpatient
surgeries**

**3,560 inpatient
surgeries**

**67,113 emergency
department
admissions**

2,943 births

**2 interconnected
buildings; 369,247
square feet**

Strategically located between Baltimore and Washington D.C., Howard County General Hospital in Columbia, Md., provides a full range of acute-care inpatient services. The hospital recently expanded its adult and pediatric emergency services and its labor and delivery, neonatal intensive care and prenatal units. In 2007, construction begins on a 42-bed addition.

Serving Maryland and the World

Johns Hopkins HealthCare

This branch of Johns Hopkins Medicine develops and manages contractual relationships—with managed care organizations, employers, hospitals, physicians and other health care providers: These programs coordinate health care for 182,813 people.

Priority Partners

Through this managed care organization, medical assistance beneficiaries received health care at a group of community health centers throughout Maryland.

Employer Health Programs

Through EHP, Hopkins Medicine contracts with employers to develop health plans for their employees.

Uniformed Services Family

Health Plan Under this unusual contract with the Department of Defense, Hopkins provides medical care to military beneficiaries.

Office of Managed Care

This branch of Hopkins HealthCare contracts with managed care payers to set fee schedules and pay rates for Hopkins physicians.



Johns Hopkins Home Care Group

This service provides visits by nurses, therapists, home health aides and social workers to adults and children in Central Maryland. It furnishes medical and respiratory supplies, home infusion therapy and pharmaceuticals and also provides home hospice care. In FY 2006, the Home Care group made 35,284 visits.



Johns Hopkins Community Physicians

Through a network of 16 statewide suburban “community” practices, patients receive health care. These offices handle some 456,000 appointments annually.

Johns Hopkins Outpatient Centers

Johns Hopkins at Green Spring Station

Johns Hopkins at White Marsh

Johns Hopkins at Odenton

Johns Hopkins at Cedar Lane

Johns Hopkins Medicine International

For thousands of international patients coming to Baltimore, this program assists with everything from appointments to interpreter services. It also takes Hopkins' models for medicine and research to the world by collaborating with health care facilities in Asia, the Middle East, Latin America and Europe.





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Baltimore, Maryland 21205

www.hopkinsmedicine.org