

**Yale-New Haven Medical Center**  
Yale University School of Medicine

Yale Medical Group  
Yale-New Haven Hospital, Children's Hospital and Psychiatric Hospital  
Yale Cancer Center  
Yale Child Study Center  
Epidemiology and Public Health  
Yale School of Nursing  
The John B. Pierce Laboratory  
Connecticut Mental Health Center

**MEDICAL CENTER**

An affiliation agreement between the medical school and Grace-New Haven Hospital in 1965 created Yale-New Haven Hospital and the Yale-New Haven Medical Center. Since then, the medical center has grown to include the institutions listed at left. Four miles away in West Haven, the affiliated VA Connecticut Healthcare System maintains active clinical, research and education programs in conjunction with many YSM departments. Extensive maps and directions to medical center destinations are available online at [info.med.yale.edu/maps](http://info.med.yale.edu/maps).

- To find a Yale doctor, visit the Yale Medical Group online at [yalemedicalgroup.org](http://yalemedicalgroup.org) or phone 1(877)YALEMDS or (203) 785-4851.
- Information for medical school applicants is available from the Office of Admissions at [info.med.yale.edu/education/admissions/](http://info.med.yale.edu/education/admissions/) or (203) 785-2643.
- For the latest news about the school, visit YSMInfo at [ysminfo.yale.edu](http://ysminfo.yale.edu) and the Office of Public Affairs at [www.yale.edu/opa](http://www.yale.edu/opa). Media inquiries should be directed to OPA at (203) 432-1345.
- To find a person at Yale University, consult the online directory at [www.yale.edu/phonebook](http://www.yale.edu/phonebook) or call directory assistance at (203) 432-4771. To find a person at Yale-New Haven Hospital call (203) 688-4242.

**New Haven**  
Population (2005 est.) 125,450  
Distance from  
Midtown Manhattan 80 miles  
Boston 137 miles

**Yale University**  
Faculty 3,236  
Students 11,359  
Staff 8,071  
Operating revenue \$1.63 billion  
*Yale University data are from Fall 2004.*

**YSM community service**  
More than 85 percent of students volunteer in one of close to 100 community service projects including  
Career High School partnership  
Anatomy Teaching Program  
Hunger and Homelessness Auction  
School-based clinics in 33 New Haven schools

Free care provided to New Haven residents in 2004 \$2.6 million

**YALE UNIVERSITY AND NEW HAVEN**

The School of Medicine is located less than a mile west of the main campus of Yale University, one of the world's great institutions of higher learning. With a residential college system modeled after Cambridge and Oxford, the undergraduate school is complemented by the Graduate School of Arts and Sciences, the Faculty of Engineering and 10 professional schools including Medicine, Nursing, Law, Management, Divinity and Forestry and Environmental Studies, which offer joint degrees.

Established in 1638, New Haven was the first planned municipality in America, organized geographically in nine squares including a picturesque Green. Today, New Haven is a vibrant coastal city located on Long Island Sound between New York and Boston. New Haven lays claim to the first hamburger and the world's best pizza, as well as the renowned Shubert Theater, where countless Broadway shows proved their mettle before heading to New York. Cultural opportunities abound, from dance, theater and music to the treasures of Yale's art and natural history museums.



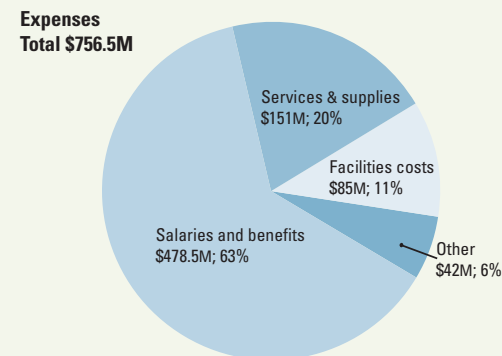
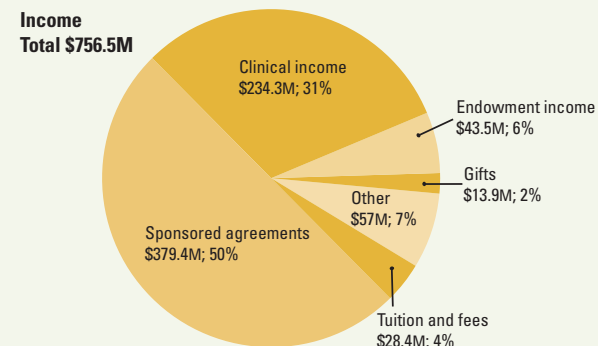
**Endowment**  
(June 30, 2004) \$1.053 billion

**2004 capital projects** \$ in millions  
New construction 17.1  
Renovations & alterations 28.8  
Maintenance & repair 4.2

**FINANCES**

The School of Medicine had operating income and expenses of \$756.5 million in 2004. The school derives the largest portion of its revenues from sponsored research, followed by income from clinical care. Tuition contributed only 4 percent to operating revenues during fiscal 2004. Salaries and benefits for faculty, fellows and staff totaled 63 percent of expenditures.

**Operating summary for the year ending June 30, 2004**



This fact sheet was produced by Yale Medicine Publications. To order copies, contact us at 100 Church Street South, Suite 212 (P.O. Box 7612), New Haven, CT 06519-0612 or (203) 785-5824, or by e-mail at [ymm@yale.edu](mailto:ymm@yale.edu). On the web: [facts.med.yale.edu](http://facts.med.yale.edu).



## Brief chronology

**1701** Yale College founded

**1810** Medical Institution of Yale College chartered

**1833** The State Hospital, precursor to the New Haven Hospital, opens

**1839** M.D. student thesis requirement formalized

**1857** First African American student graduates

**1915** Department of Public Health established at Yale

**1916** First female students admitted

**1923** School of Nursing established

**1945** The New Haven Hospital merges with Grace Hospital, becoming Grace-New Haven Community Hospital

**1965** Medical school and hospital revise their affiliation, creating Yale-New Haven Hospital

**1974** Yale Cancer Center established

**1991** Boyer Center for Molecular Medicine completed

**1993** Children's Hospital opens

**2003** Anlyan Center completed

## OVERVIEW AND HISTORY

The Yale University School of Medicine is one of the world's leading centers for bio-medical research, advanced clinical care and medical education. It ranks eighth among medical schools receiving research funding from the National Institutes of Health. More than 700 Yale physicians provide care to patients from across the region and around the world. The Yale System of medical education, with its emphasis on critical thinking and independent inquiry, has produced leaders in every field of academic medicine.

The sixth-oldest medical school in the United States, the school was established by the Connecticut General Assembly in 1810 when it chartered the Medical Institution of Yale College, located first on Grove Street (below), then at 150 York Street. Since 1924, it has occupied Sterling Hall of Medicine at 333 Cedar Street and surrounding buildings. Since 1814, it has awarded 7,744 medical degrees. There are 5,012 living alumni with M.D. degrees, 3,507 with M.P.H. degrees and 538 alumni of the Physician Associate Program.



## Research activity

1,863 awards totaling \$414.5 million

NIH awards \$267 million

NIH Center and Program grants 48

NIH rank among medical schools 8

Basic science and bridge departments 11

Patents granted for Yale inventions since 1996 269

Yale-founded biotech companies located in and around New Haven 23

*Research award data are for Yale's fiscal year ending June 30, 2004; NIH ranking is for federal fiscal year ending September 30, 2003.*

## Faculty profile

Full-time 1,504

Voluntary 1,805

Postdoctoral fellows 938

National Academy of Sciences members\* 62

Institute of Medicine members\* 31

HHMI investigators\* 15

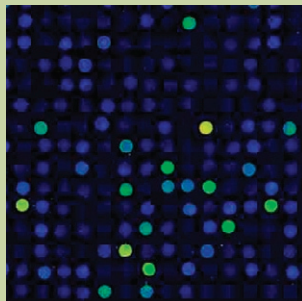
Faculty members serving on NIH study sections\* 34

## RESEARCH

Research at the medical school covers a broad spectrum, from fundamental studies in areas such as cell biology, genetics, immunobiology, microbial pathogenesis, physiology, biophysics and biochemistry to clinical studies aimed at improving the diagnosis and treatment of human diseases. Funding for research has nearly doubled over the past decade, rising from \$203 million in 1993 to \$414.5 million in 2004.

State-of-the-art core resources at the School of Medicine provide access to the newest technologies in areas including:

- Genomics and proteomics, with more than 100 instrument systems for DNA and protein analyses, microarray studies (see image below), SNP genotyping and mass spectrometry
- Cell and molecular imaging, ranging from confocal, electron and cryoelectron microscopy to X-ray crystallography
- MR and PET imaging
- Construction and analysis of animal models of disease



*\* Includes the Faculty of Arts and Sciences and the graduate and professional schools.*



## Students by degree program

M.D.	422
Ph.D.	366
M.D./Ph.D.	87
M.P.H.	216
M.M.Sc.	67
Total	1,158

## M.D. program details

Class of 2008 profile

Applicants	3,436
No. enrolled	100
Acceptance rate	6.3%
Average GPA	3.75
MCAT mean of sections	11.2

Male-to-female ratio 49 to 51

Faculty-to-student ratio 2.9 to 1

Tuition, 2004-2005 \$35,490

Average debt, 2004 graduates w/debt \$95,568

## EDUCATION

The School of Medicine educates future leaders in medicine, public health and biomedical science enrolled in its M.D. and other degree programs (listed at left). The M.D. program follows a unique educational philosophy established in the 1920s by Dean Milton C. Winternitz, M.D., known as the Yale System of medical education. No course grades or class rankings are given in the first two years, examinations are limited and students are expected to engage in independent investigation. Every Yale medical student since 1839 has been required to write a thesis based on original research.

Each year, approximately 10 students enroll in the school's M.D./Ph.D. Program, one of the original Medical Scientist Training Programs established and funded by the NIH. Within the medical school, the Department of Epidemiology and Public Health operates as a fully accredited school of public health. Students in the Physician Associate Program earn the M.M.Sc. degree. Graduate students in the Combined Program for Biological and Biomedical Studies (BBS) earn a Ph.D. degree through the Faculty of Arts and Sciences.

Joint degrees offered:

MD/PhD, MD/JD, MD/MPH, MD/MBA, MD/MDiv

## Clinical overview

Revenues \$234 million

Clinical departments 16

Yale Medical Group

Office visits 243,886

YMG physicians

Full-time 628

Part-time 121

YMG midlevel practitioners (PA, RNP) 73

Medical residents 660

Clinical fellows 210

*Clinical revenues and office visits are for the year ending June 30, 2004.*

Affiliated hospitals 16

Yale-New Haven Hospital

Patient discharges 46,949

Newborns 4,764

Emergency visits 96,557

Adult beds 667

Pediatric beds 201

Psychiatric beds 76

Total 944

*Yale-New Haven data are for the year ending September 30, 2004.*

## CLINICAL CARE

More than 700 Yale physicians provide primary and specialty care for patients under the auspices of the Yale Medical Group, one of the largest academic multi-specialty practices in the nation. Yale doctors provide advanced care in more than 100 specialties and subspecialties, including organ transplantation, minimally invasive surgery and state-of-the-art cancer care. Yale's historical contributions to medicine include the first X-ray performed in the United States, the first successful use of penicillin in America, the first use of cancer chemotherapy, and the introduction of fetal heart monitoring, natural childbirth and newborn rooming in. Yale doctors designed the first artificial heart pump and the first insulin infusion pump for diabetes, and it was here that the polio virus was isolated and its means of transmission established, paving the way for the Salk vaccine. Lyme disease was identified by two Yale physicians in 1975.

