

Medical center institutions

Yale School of Medicine

School of Public Health

Yale Medical Group

Yale Cancer Center

Child Study Center

School of Nursing

Connecticut Mental Health Center

John B. Pierce Laboratory

Yale University Health Services

Yale-New Haven Hospital, Children's Hospital and Psychiatric Hospital

Yale New Haven Health System

MEDICAL CENTER

An affiliation agreement between the medical school and Grace-New Haven Hospital in 1965 created Yale-New Haven Hospital, which expanded in 1993 with the opening of the Children's Hospital and again in 2000 with the acquisition of the Psychiatric Hospital. The medical campus has grown over the years to include or abut 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 medical school departments. Extensive maps and directions to medical center destinations are available online at info.med.yale.edu/maps.

- To find a Yale doctor, visit the Yale Medical Group online at yalemedicalgroup.org, or call (877) YALEMDS or (203) 785-4851.
- For information on medical school admissions, visit medicine.yale.edu/admissions, or call (203) 785-2643.
- For news about the school, visit medicine.yale.edu. Media inquiries should be directed to OPA at (203) 432-1345.
- To find a person at Yale University, consult the online directory at medicine.yale.edu/phonebook, or call directory assistance at (203) 432-4771. To find a person at Yale-New Haven Hospital, call (203) 688-4242.
- To give to the School of Medicine, please visit yaletomorrow.yale.edu and select Ways to Give, or call Jancy Houck at (203) 436-8560.

New Haven

Population (2005) 130,254
Distance from:
NYC 80 miles
Boston 137 miles

University profile

FACULTY
Yale Univ. 3,384
YSM 1,879

STAFF
Yale Univ. 8,366
YSM 2,802

STUDENTS
Yale Univ. 11,416
YSM 1,163

OPERATING REVENUE
Yale Univ. \$1.96 billion
YSM \$909.80 million

Community service

The majority of students volunteer for at least one of the school's many community service projects, including:
Hill Regional Career High School partnership
Anatomy Teaching Program

Hunger and Homelessness Auction

HAVEN (student-run free clinic)

Free care provided to New Haven residents in 2006: \$4.7 million

YALE UNIVERSITY AND NEW HAVEN

The School of Medicine is located immediately adjacent to the main campus of Yale University, one of the world's great institutions of higher learning. With a residential college system modeled after those of 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.

The Anlyan Center is home to cutting-edge biomedical research programs and core facilities and state-of-the-art space for medical education.



Endowment (6/30/06)

Yale Univ. 17.9 billion
YSM 1.5 billion

2006 capital projects (\$ in millions)

NEW CONSTRUCTION
Yale Univ. 75.03
YSM 10.50

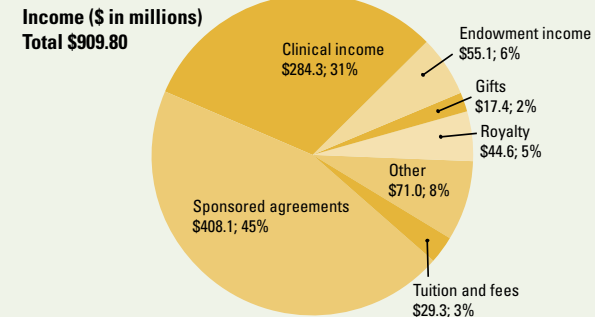
MAINTENANCE & REPAIR
Yale Univ. 38.18
YSM 5.20

RENOVATION & ALTERATION
Yale Univ. 138.27
YSM 30.00

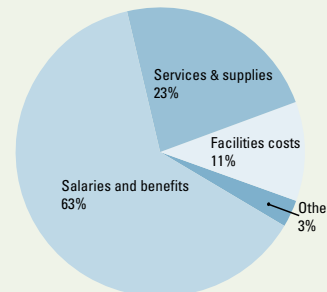
FINANCES

The School of Medicine had operating income of \$909.80 million in 2006. The school continues to derive the largest portion of its revenues from sponsored research and ranked seventh in NIH awards to medical schools in 2005. Clinical activities sustained the robust performance of the previous year, with revenue increasing by over 8 percent. Salaries and benefits for faculty, fellows and staff totaled 63 percent of expenditures.

Operating summary for the year ending June 30, 2006



Expenditures



FACTS AND FIGURES 2007
YALE SCHOOL OF MEDICINE
facts.med.yale.edu

This fact sheet was produced by the YSM Office of Institutional Planning and Communications. To order copies, contact us at 300 George Street, Suite 773, New Haven, CT 06511 or (203) 785-5824, or by e-mail at facts.med@yale.edu. On the Web: facts.med.yale.edu. Data are as of 9/30/06 unless otherwise noted.

Photos: John Curtis, Terry Dagradi, Michael Marsland, PET Center

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 Yale-New Haven Children's Hospital opens

2003 Anlyan Center completed

2007 Amistad Building opens

OVERVIEW AND HISTORY

The Yale University School of Medicine is one of the world's leading centers for biomedical research, advanced clinical care and medical education. It ranks seventh among medical schools receiving funds from the National Institutes of Health (NIH). More than 800 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 student research, 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, then at 150 York Street. Since 1924, it has occupied Sterling Hall of Medicine at 333 Cedar Street and surrounding buildings. It has awarded 7,940 medical degrees since 1814. There are 4,962 living alumni with M.D. degrees, 3,664 with M.P.H. degrees and 847 alumni of the Physician Associate Program.

BELOW: Medical students gather in the library rotunda at Sterling Hall of Medicine after the White Coat Ceremony, August 2006.

COVER: Sterling Hall of Medicine.



Students by degree program†

M.D.	384
M.D./Ph.D.	91
M.D./J.D.	4
M.D./M.B.A.	11
M.D./M.P.H.	6
M.M.Sc.	63
M.P.H.	238
Ph.D.	366
Total	1,163

M.D. program details

Class of 2010 profile	
Applicants	3,699
Class size	100
Acceptance rate	6.5%
Average GPA	3.75
MCAT mean of sections	11.4

Male-to-female ratio 51 to 49

Faculty-to-student ratio 2.9 to 1

Tuition, 2006–2007 \$39,150

Average debt, 2006 graduates w/debt \$114,744

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. Yale medical students have been required to write a thesis based on original research since 1839.

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 in the Biological and Biomedical Sciences earn a Ph.D. degree through the Faculty of Arts and Sciences.

†Of the 384 students enrolled in the M.D. Program, 49 are currently on extended study pursuing academic research.

ABOVE LEFT: Physical exam skills are taught in the first year to prepare students for their clinical experience and help them make earlier connections between medicine and the basic sciences.

Research activity

1,981 awards totaling \$451.0 million

NIH awards \$299.6 million

NIH Center and Program grants 43

NIH rank among medical schools 7

NIH rank, research grants per faculty member 3

Basic science departments 11

Active patents for Yale inventions 302

Yale-founded biotech companies, Greater New Haven 24

Research award data are for Yale's fiscal year ending 6/30/06; NIH ranking is for the federal fiscal year ending 9/30/06; per faculty rank averaged over 2005 and 2006

Teaching (ladder) 1,065

Research 498

Lecturer/Instructor 316

Subtotal 1,879

Visiting/Adjunct 149

Emeritus/Retired 163

Voluntary 1,649

Subtotal 1,961

Total 3,840

Postdoctoral fellows & associates 1,171

Memberships* National Academy of Sciences 60

Institute of Medicine 38

NIH study section members 52

HHMI investigators 15

RESEARCH

Research at the medical school covers a broad spectrum, from fundamental studies in the life sciences, including cell biology, genetics, immunobiology, microbial pathogenesis, neuroscience, physiology, biophysics and biochemistry, to clinical studies aimed at improving the diagnosis and treatment of human diseases. Funding for research has almost doubled over the past decade, rising from \$232.8 million in 1996 to \$451.0 million in 2006.

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, 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

Hot cells are used for the production of radioactive tracer molecules in the medical school's PET Center, dedicated in January 2007.



**Data as of 12/31/06. Includes the Faculty of Arts and Sciences and the graduate and professional schools.*

Clinical overview

Income \$284.3 million

Clinical departments 16

Yale Medical Group Office visits 261,047

YMG physicians Full-time 747

Part-time 92

YMG midlevel practitioners (PA, APRN) 147

Medical residents 651

Clinical fellows 281

Clinical revenue and office visit data are for the year ending 6/30/06.

Affiliated hospitals 12

Yale-New Haven Hospital Patient discharges 50,340

Newborns 5,013

Emergency visits 113,921

Adult beds 670

Pediatric beds 95

Bassinets 92

Psychiatric beds 87

Total 944

PATIENT CARE

More than 800 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 means of transmission of the polio virus was established, paving the way for the Salk vaccine. Lyme disease was identified by two Yale physicians in 1975.



Alleviating anxiety in children before surgery has been found to improve outcomes, according to research in the Department of Anesthesiology.