

Medical center institutions

- Yale School of Medicine
- School of Public Health
- Yale Medical Group
- Yale Cancer Center
- Yale 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 the Office of Public Affairs 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. 3,478
 YSM 1,940

STAFF
 Yale Univ. 8,685
 YSM 3,108

STUDENTS
 Yale Univ. 11,454
 YSM 1,040

OPERATING REVENUE
 Yale Univ. \$1.96 billion
 YSM \$908.6 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 2007: \$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. In 2007, Yale acquired the 136-acre former Bayer Healthcare campus in West Haven, which contains 450,000 square feet of newly built lab space.

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. Cultural opportunities abound, from dance, theater and music to the treasures of Yale's art and natural history museums.



Construction of the 14-story Smilow Cancer Hospital progressed in 2007, supported by a principal gift from Yale College alumnus Joel E. Smilow '54. The \$475 million project is scheduled for completion in 2009.

Endowment (6/30/07)

Yale Univ. \$22.5 billion
 YSM \$1.9 billion

2007 capital projects (in millions)

NEW CONSTRUCTION
 Yale Univ. \$91.32
 YSM \$44.86

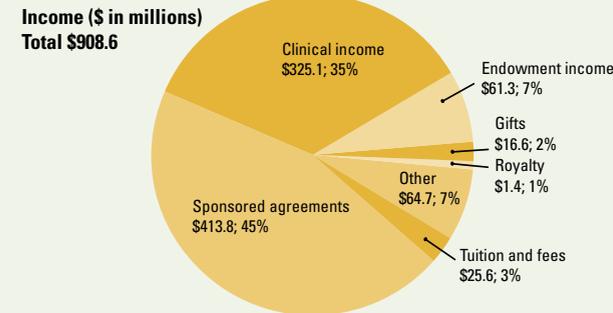
MAINTENANCE & REPAIR
 Yale Univ. \$31.28
 YSM \$8.95

RENOVATION & ALTERATION
 Yale Univ. \$161.96
 YSM \$27.26

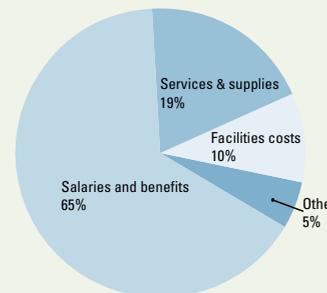
FINANCES

The School of Medicine had operating income of \$908.6 million in 2007. The school continues to derive the largest portion of its revenues from sponsored research and ranked among the top handful of medical schools receiving research funding from the NIH in 2007. Clinical activities sustained the robust performance of the previous year. Salaries and benefits for faculty, fellows and staff totaled 65 percent of expenditures.

Operating summary for the year ending June 30, 2007



Expenditures



This fact sheet was produced by the 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 9/30/07 unless otherwise noted.

Photos: John Curtis, Terry Dagradi, Bob Handelman, Robert Lisak

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 Street building opens

OVERVIEW AND HISTORY

The Yale School of Medicine is one of the world's leading centers for biomedical research, advanced clinical care and medical education. It ranks among the top handful of 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 8,027 medical degrees since 1814. There are 5,001 living alumni with MD degrees, 3,767 with MPH degrees and 876 alumni of the Physician Associate Program.

COVER: Sterling Hall of Medicine, completed in 1924, is the focal point of the medical campus, which occupies 2.5 million square feet of laboratory, classroom, clinical and support space.

BELOW: The Medical Historical Library houses books dating to 1326, as well as thousands of incunabula, journals, posters, pamphlets, photographs and other historic materials.



Students by degree program*

MD	364
MD/PhD	88
MD/JD	2
MD/MBA	11
MD/MPH	8
MMSc	67
MPH	178
PhD	294
MD/MHS	28
Total	1,040

MD program details
Class of 2011 profile

Applicants	4,057
Class size	100
Acceptance rate	6.3%
Average GPA	3.72
MCAT mean of sections	11.3
Male-to-female ratio	53 to 47
Faculty-to-student ratio	2.9 to 1

Tuition, 2007–2008 \$40,720

Average debt, 2007 graduates w/debt \$115,385

EDUCATION

The School of Medicine educates future leaders in medicine, public health and biomedical science enrolled in its MD and other degree programs (listed at left). The MD program follows a unique educational philosophy established in the 1920s by Dean Milton C. Winternitz, MD, 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 12 students enroll in the school's MD/PhD Program, one of the original Medical Scientist Training Programs established and funded by the NIH. Within the medical school, the School of Public Health operates as a fully accredited degree-granting institution. Graduate students in the Combined Program in the Biological and Biomedical Sciences earn a PhD degree through the Faculty of Arts and Sciences.

* Of the 364 students enrolled in the MD Program, 34 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

1,917 awards† totaling \$485.2 million NIH

Awards \$320.2 million

Rank among medical schools 6

Rank, grants per faculty member 3

Centers and Programs 43

Basic science departments 11

Active patents U.S. 360

World (52 countries) 423

Yale-founded biotech companies 35

Medical Library Volumes 460,000

Journals 6,400

Faculty profile

Teaching (ladder) 1,112

Research 525

Lecturer/Instructor 303

Subtotal 1,940

Visiting/Adjunct 162

Emeritus/Retired 179

Voluntary 1,625

Subtotal 1,966

Total 3,906

Postdoctoral fellows & associates 1,168

Memberships‡ National Academy of Sciences 60

Institute of Medicine 40

NIH study section members 49

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 increased substantially over the past decade, rising from \$270.5 million in 1998 to \$485.2 million in 2008.

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



The new research building on Amistad Street houses programs in vascular biology and translational immunology, along with the new Yale Stem Cell Center.

† Research award data are for Yale's fiscal year ending 6/30/07. NIH ranking is for the federal fiscal year ending 9/30/07; per faculty rank averaged over 2005 and 2006.

‡ Data as of 12/31/07. Includes the Faculty of Arts and Sciences and the graduate and professional schools.

Clinical overview

Income \$311 million[§]

Clinical departments 16

Clinical specialties and subspecialties 129

Yale Medical Group

Office visits 277,734

Patient encounters 915,843

YMG physicians

Full-time 777

Part-time 114

YMG midlevel practitioners (PA, APRN) 149

Medical residents 642

Clinical fellows 222

[§] Clinical revenue and office visit data are for the year ending 6/30/07.

Affiliated hospitals 12

Yale-New Haven Hospital

Patient discharges 51,450

Newborns 4,851

Emergency visits 121,763

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.



Clinicians take the time to see the world through their patients' eyes at the Child Study Center, which brings world-class research in child mental health together with early evaluation and treatment, and education.