

Yale School of Medicine

is one of the world's leading centers for biomedical research, advanced clinical care. and medical education.

> It ranks fourth among medical schools receiving funds from the National Institutes of Health (NIH) and tenth in NIH dollars per faculty member. More than 1,700 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 student research, has produced leaders throughout academic medicine.

The sixth-oldest medical school in the United States, it was chartered by the Connecticut General Assembly in 1810 as 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 9,599 medical degrees since 1814. There are 5,744 living alumni with MD degrees, 5,981 with MPH degrees, 1,613 alumni of the Physician Associate Program with the PA-C certificate or MMSc degree, and 223 alumni of the Physician Assistant Online Program.

medicine.yale.edu/facts

Education

The School of Medicine educates future leaders in medicine and biomedical science. Since 1839, medical students have written a thesis based on original research, reflecting that the scientific process of investigation. observation, interpretation of data, and critical evaluation of literature are fundamental to the practice of medicine.

programs in the country, trains students

to become compassionate, high-quality

patient-centered PAs. Serving the same

Online Program will graduate its final

mission, the Yale Physician Assistant

class in 2026.

	A A PROCESSOR	
to the practice of medicine.	MD/JD	0
Many medical students take a tuition-free	MMSc (PA-C) Physician Associate Progra	ım 110
fifth year to pursue additional study, con-	Physician Assistant Online	
, I	Program	140
ducting in-depth research or exploring clini-	MPH	584
cal electives and subinternships. A significant	PhD	457
number are awarded fifth-year research	MD Program Details	
fellowships and earn the MHS degree.	CLASS OF 2027 PROFILE	
Each year, approximately 20 students	Applicants	5,495
	Class size	104
enroll in the school's MD-PhD Program,	Female students	50
one of the original Medical Scientist	Male students	53
Training Programs established and funded	Declined to specify	1
by the NIH. Graduate students in the	Acceptance rate	5.5
combined program in the Biomedical and	URiM ²	35
Biological Sciences earn a PhD degree	Median cumulative GPA	3.92
e	MCAT median MCAT median of sections	522 130
through the Faculty of Arts and Sciences.		
YSM residents, fellows, and faculty, as well	Faculty-to-student ratio	4.2 to 1
as individuals from other institutions, can	Finances	A70 10 4
earn a two-year Master of Health Science	2023–24 tuition 2023 median debt	\$70,184
degree. The School of Medicine also offers		\$113,254
joint degree programs with other profes-	Medical Library	
sional schools including Public Health, Law,	Volumes	461,583
<u> </u>	Journals	22,200
Management, Engineering, and Divinity.	Online books, biomedical	55,000
YSM's campus-based Physician Asso-	Databases	115
ciate (PA) Program, one of the oldest PA		



years, examinations are limited, and students are

expected to engage in independent investigation

Basic and Translational 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, pharmacology. physiology, biophysics and biochemistry, to translational and clinical studies aimed at improving the diagnosis and treatment of human diseases. Important research collaborations bring together scientists on the medical campus, Science Hill, and the West Campus. Funding for research at YSM has increased from \$836.2 million in 2022 to \$955.9 million in 2023.

In 2020, YSM established the Office for Health Equity Research to address health disparities and inequities in underserved populations by coordinating and facilitating health equity research and partnerships at the school, across Yale University, and beyond.

In 2022, the school advanced its commitment to data science by creating a section for Biomedical Informatics and Data Science as a hub for biomedical collaboration, Soon after, in 2023, a new biorepository service was formed to store, retrieve. and share biological samples such as blood, solid tissues, DNA, RNA, and proteins, for current and future research studies. Also in 2023. Yale became one of three partners to form the biomedical research hub. Chan Zuckerberg Biohub New York. The hub's mission is to bioengineer immune cells to detect the earliest stages of diseases, potentially before they are detectable with current approaches or before symptoms appear.



Clinical Investigation

Clinical investigation at Yale bridges the gap between the basic and translational sciences and the practice of medicine. Research is focused on the factors that affect health and illness in populations, the evaluation of therapeutic interventions. and the assessment of health outcomes based on analysis of large data sets.

The School of Medicine sponsors a wide range of clinical trials, with more than 2,172 active trials in 2023, and over 24,000 "Help Us Discover" unique volunteers enrolled (see valestudies.org). and 35.457 active subjects. The school offers superb training for clinical investigators in a number of settings, including the Yale Center for Clinical Investigation (YCCI), the National Clinician Scholars Program at Yale (the evolution of the Robert Wood Johnson Foundation Clinical Scholars Program), the Yale School of Public Health, and the Investigative Medicine Program, along with discipline-specific training initiatives in selected departments.

YCCI facilitates the training of clinical and translational scientists and provides infrastructure for innovative and collaborative research directed at improving patient care. It funds up to 20 YCCI Scholars yearly and supports investigators in the areas of biostatistics, bioinformatics, study design, core technologies regulatory review, patient recruitment. and community-based research.

CLINICAL TRIALS

A clinical trial for an "artificia

pancreas" conducted by the Yale

. Center for Clinical Investigation

(YCCI) focused on kids under the

hev enioved a variety of activiti

around New Haven—including th

Eli Whitney Museum, shown here

age of 12. Throughout the trial

School of Public Hea

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YSM ADMISSIONS

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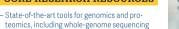
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medicine.vale.edu/maps

Produced by Yale School of Medicine's Office of Communications.







- at every scale, including cryoelectron microscopy, cryoelectron tomography, and the only focused ion beam-scanning electron
- High-throughput screening, including RNAi

1701 Yale College founded 1810 Medical Institution of Yale College charactered 1833 The State Hospital, precursor to New Haven Hospital, precursor to New Haven Hospital merges with Grace Hospital merges with Gr

10f549 enrolled students, 58 students are currently on extended study pursuing a joint degree, completing a fully funded year of research, or a combination of research and clinical rotations. 2 Students who identify as underrepresented in medicine.

³ Includes faculty across Yale University. ⁴ NIH ranking is for the federal fiscal year ending 9/30/23. ⁵ Per faculty rank averaged over 2022 and 2023

Photos by Robert A. Lisak (except where noted)



Patient Care

patients throughout the world.

More than 1.700 Yale physicians provide primary and specialty care for patients through the school's faculty practice. Yale Medicine. The practice delivers advanced care in more than 100 specialties and subspecialties, and has centers of excellence in such fields as cancer, cardiac care, minimally invasive surgery, and organ transplantation. Yale physicians have made many historical contributions. including the first use of cancer chemotherapy, the first artificial heart pump, and the first insulin infusion pump for diabetes. Today they use such groundbreaking advances as DNA sequencing technology to diagnose suspected genetic diseases and the first therapy to prevent Type I Diabetes Mellitus (TIDM). Yale Medicine is a major referral center for Connecticut and New England and treats

Patient Care Overview

An affiliation agreement between the medical school and Grace-New Haven Community Hospital in 1965 created Yale New Haven Hospital (YNHH). which expanded in 1993 with the opening of the Children's Hospital, and again in 2000 with the acquisition of the Psychiatric Hospital.

medical education.

Hospital opened, and in 2012 YNHH acquired the Hospital of Saint Raphael, adding 533 beds and making it one of the largest hospitals in the United States. The medical center has grown over the years to include the institutions listed

In West Haven, the affiliated VA Connecticut Healthcare System maintains clinical, research, and education programs in conjunction with many medical school departments.

was established between the medical school and Yale New Haven Health System, which included multiple non-profit healthcare enterprises, to collectively grow in the areas of clinical programs, clinical research and

In 1999, an affiliation agreement

In 2009, the 14-story Smilow Cancer

Clinical Affiliations

Yale New Haven Childre

Hospital

John B. Pierce Laboratory

Yale Health Yale Medicine Yale School of Medicine

> Yale School of Nursing Yale School of Public Heal

Yale New Haven Health, include Bridgeport Hospital

- Greenwich Hospital - Lawrence + Memorial Hospital - Northeast Medical Group

- Westerly Hospital Yale New Haven Hospita

Hospital - Yale New Haven Psychiatric

- Smilow Cancer Hospi



Yale and New Haven

Yale School of Medicine (YSM) is located on the main campus of Yale University. 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 and 13 professional schools. including Architecture, Art, Divinity, Drama, Engineering and Applied Science, Forestry and Environmental Studies. Global Affairs, Law, Management, Mediine, Music, Nursing, and Public Health. which will assume independent school status in July 2024.

Campus in West Haven, which houses many centers, including Yale Centers for Genome Analysis, Molecular Discovery, and Research Computing, as well as the Analytical, Imaging, and Materials Characterization research cores. Yale institutes based at West Campus include Biomolecular Design and Discovery, Cancer Biology, Energy Sciences, Microbial Sciences, Nanobiology, Preservation of Cultural Heritage, and Systems Biology.

the first planned municipality in America, organized geographically in nine squares, including a picturesque town 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.

In 2007, Yale acquired the 136-acre West

Established in 1638, New Haven was

to deliver health care for

- HAVEN (student-run free clinic) and Exposure Program
- Hill Regional Career High Sch Anatomy Teaching Program
- Washing Soles)
- Integrated Refugee & Immigrant

International Activities

The School of Medicine is an active partner in fulfilling Yale's international goals, which include preparing students for international leadership and service. attracting the most talented students and scholars to Yale from around the world. and positioning Yale as a global university of consequence. Faculty members conduct research abroad, teach, and design courses in global health. Their work runs the gamut from molecular studies at the nanoscale to the analysis of social networks in disease transmission and prevention, to the improvement of health care systems.

PROGRAMS AT YALE

Office of Global Health Facilitates the placement of Yale medical students in global clinical electives at sites in Argentina, Chile, China, Colombia, Dominican Republic, Ghana, India, Jamaica, South Africa, Uganda, and the U.S. (rural sites in Appalachia and on the Navajo Nation in Arizona as well as in free clinics in New Haven and San Francisco). The office also admin isters the Visiting International Student Electives Program.

Yale Institute for Global Healt

neuroscience, and public health By the Numbers 2023-24

Downs International Health Student Travel Fellowship Supports students who undertake health-related research, primarily in low- and middle-income countries

Finance

Yale/Stanford Global Health Scholars Sponsors rotations abroad for Yale house staff and physician: from other institutions, who travel to six sites in

65.6% of expenditures.

The School of Medicine had operating income of \$2.6 billion in FY23. A total of \$848.67 million in sponsored research funding was received and spent during the fiscal year. 10 Clinical income totaled \$1.39 billion. The school ranked fourth among medical schools receiving research funding from the NIH in FY23 and 10th in NIH grants per faculty member. Salaries and benefits totaled





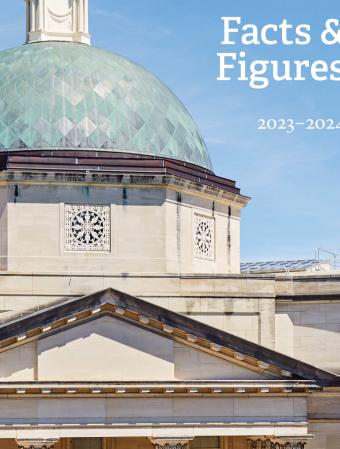












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