

Middlebury Health Professions Resources: Table of Contents

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Middlebury College
Center for Careers and Internships

Pre-Health Basics

If you are interested in becoming a medical practitioner in allopathic or osteopathic medicine (MD or DO), dentistry, veterinary medicine, or in one of the allied health fields, here are steps to get you started:

- We recommend that all health professions students review the [Health Professions Handbook](#). The handbook is updated each year and is for students interested in learning more about Health Professions in general.
- [Meet with one of the health professions advisors in CCI](#).
- Attend information meetings: Gain an overview of prerequisites for admission to health professions schools; learn how to become a competitive candidate; discover the ins and outs of the application process.
- Begin to work on your [networking skills](#) to connect with people who can help you create or find your own internship, or who can offer career advice.
- Research ways to incorporate clinical opportunities into your resume.
- Learn what you can about the [MCAT/DAT/GRE](#). Through the year we will post about study workshops for these tests and other resources available to help you prepare.
- Learn about your [Gap Year](#) options.
- [Follow the Health Professions blog](#): Find leads on opportunities for relevant experience; keep abreast of pertinent lectures and presentations; learn what fellow premeds are up to.
- Join [student orgs](#) focused around health professions.
- Research the field: Research schools on the web, visit campuses, etc. Begin to see what schools are a good fit. This is helpful information to have as you begin to put together your list of schools to apply to.
- Learn about the [Global Health Minor](#).

Gaining Experience

During your time as an undergraduate, you will want to gain some real-world perspective on whatever form of medicine interests you (human, vet, dental). There are many ways in which you can learn about the field: Working or volunteering in a hospital or community health clinic, working in a lab, spending time abroad or exploring global health policy. The Office of Health Professions & STEM Advising at CCI has information to help you begin your search.

Opportunities & Resources

- **On Campus Programs** - Join our mailing list by emailing hprofess@middlebury.edu. Receive our newsletter with reminders to attend info sessions, panel discussions, and presentations.
- **Volunteer** - Research your summer and academic year options for volunteer work. The [Center for Community Engagement \(CCE\)](#) has some great resources.
- **Job Shadowing** - Work with your local practitioner, seek out specialized summer shadowing opportunities and talk to one of the HP advisors.
- **Internships** - Information on internships is available [here](#) or make an appointment with one of the advisors for assistance in your search. Consider academic-year as well as summer options.

Clinical Opportunities

Clinical experience involves observing the patient-doctor relationship and learning about the treatment and care of patients. Clinical experience can be obtained through volunteering at a hospital, working as an EMT or shadowing a health care provider. Clinical experience is important because health professions schools want to be confident that you have a good understanding of your chosen field and that you are service-minded and comfortable working with people. Please read our handout on [How to Effectively Shadow a Health Professional](#).

Middlebury Health Professions Clinical Shadowing Program

The Health Professions Program at Middlebury College sponsors a small clinical shadowing program at Porter Hospital and Clinics. As many of you are aware, medical, dental, PA and nursing programs value clinical shadowing in their holistic applicant review, but getting this experience can be tough. Students who are selected for the program will be oriented and signed off and then will be allowed to shadow at Porter Hospital and Clinics during their session. Students might, for example, elect to spend a morning with a pediatrician, a day in the operating room, an afternoon with a cardiologist, and a 12 hour shift in the ER. Please indicate which session you would prefer, or if you have no preference.

The application process begins with completion of a simple form; use it as an opportunity to convince us why this experience is important to you! We ask that you not reach out to any Porter provider directly as there are a number of protocols that need to be followed in order for a student to shadow in the hospital. Doing so could jeopardize our affiliation agreement with Porter and result in termination of this beneficial relationship. *This opportunity is open to Sophomores, Juniors and Seniors.*

Winter Term Opportunities

There are many different opportunities available to Pre-Health and STEM students during Winter Term. Some students elect to take a class, while others participate in an internship. Seniors who are writing theses or working in a lab will often devote the month of January to these endeavors.

EMT Course

Each year, Middlebury College partners with [Middlebury Regional EMS](#) to offer a month long credit bearing EMT Internship. How the program looks varies from year to year, but typically begins with a couple of pre-internship training sessions in November (Hazmat and CPR) followed by an intensive month long course with both a lecture and practical component. Students who successfully complete the course are eligible to take the EMT Licensing Exam and successful examinees go on to ride with the Middlebury Regional EMS, join their local ambulance services back home and support the [Middlebury Regional EMS](#). At the start of the fall semester we hold an information session about the Winter Term EMT program where students learn about the program and how to apply. The internship selectively accepts first year and sophomore students as these students will be in the community for 3-4 years, and is open to juniors and seniors based on availability.

Middlebury First Responders (MFR)

MFR is a new student organization for student first responders and students who are interested in emergency services. They aim to provide support, mentorship, and training to student first responders including EMTs and Firefighters. On campus students can type [go/mfr](#) for more information.

MCATs

The Association of American Medical Colleges defines the Medical College Admission Test, or MCAT as “a standardized, multiple-choice examination designed to assess your problem solving, critical thinking, and knowledge of natural, behavioral, and social science concepts and principles prerequisite to the study of medicine.” The exam is required for admission to medical school and along with your GPA, is an important metric that medical schools use in evaluating your readiness to undertake the rigors of the medical school curriculum. The MCAT was completely revamped in 2015, and we are continuing to learn and understand the new format, scoring and content. Please visit the AAMC [website](#) for MCAT registration, test dates and additional information.

Timing of the MCAT

It's generally best to take the MCAT as close to the time you complete the required coursework as possible. Waiting for a year or more between the time you finish your science pre-requisites (biology, general chemistry, organic chemistry, and physics) and the MCAT test date isn't recommended, as your knowledge of these subjects may fade. Conversely, taking the exam too early also has its drawbacks and you shouldn't take the exam if you haven't completed the required courses, had adequate time to prepare, or if your score will expire before you pursue all of the things you'd like to do between college and medical school. MCAT scores come with an expiration date and are good for 3 years at most medical schools. Whenever you decide to take the exam, we recommend taking the test **no later than the June of the summer when you're applying to medical school as taking it later than July will hold up your application at the secondary stage. Additionally, if your score is not as competitive as you would like, you have no options for retaking the exam prior to review of your application.** See the MCAT test and score release dates on the AAMC site [here](#). See the MCAT registration deadlines [here](#).

Preparing for the Exam

There are several ways to prepare for the MCAT and it makes sense to think carefully about how you study best, where you'll be preparing for the exam and what else you'll be doing during your MCAT prep time. In short, there is no “one size fits all” answer to the question “How do I study for the MCATS?” One thing that is certain, however, is that **you should approach the MCAT with the goal of taking it one time. All MCAT scores are released to medical schools, so never take the exam as a 'trial run'!** The MCAT is physically grueling (7 hours and 33 minutes), expensive (\$300.00), requires dedicated prep time (most people recommend months of daily preparation for about 2-3 hours per day) and you should take as many full-length practice exams as possible: 6-8 seems to be a reasonable goal. If you qualify for the AAMC Fee Assistance Program, the cost of the MCAT will be subsidized: (<https://www.aamc.org/students/applying/fap/>).

As far as what prep materials are best, the Health Professions Program at Middlebury does not endorse any one approach or test prep company over another, but simply provides you with information to help you to make an informed decision.

The AAMC provides a number of lower-cost prep materials, including a full-length practice test, an Official Guide, and the MCAT Question Pack Bundle: <https://www.aamc.org/students/applying/mcat/prepare/>.

- ✓ [Kaplan Prep](#)
- ✓ [Khan Academy](#) (free of charge)
- ✓ [Princeton Review](#)
- ✓ [Examkrackers](#)
- ✓ [Dr. Flowers](#)

Free materials (and practice tests!!) – there might be more on the internet

- ✓ [Khan Academy](#)
- ✓ [Kaplan Practice Test](#)
- ✓ [Princeton Practice Test](#)
- ✓ [Altius Practice Test](#)
- ✓ [Gold Standard 1/3 Length Test](#)

It's easy to get caught up in wondering, which prep company is "the best," or spend a lot of time looking at testimonials promising high scores and guaranteed success. The bottom line is that all test prep programs have fairly similar information, study modules, and practice exams, and success ultimately comes down to the amount of time one actually spends studying and taking practice exams. Good Luck!!!

DATs

The American Dental Association prints a yearly guide to the Dental Admission Test (DAT) and a careful reading of this document should be your first step in understanding the components of the test. The introductory section of the guide explains that, *"The DAT is conducted by the American Dental Association (ADA) for applicants seeking admission to dental school. The DAT is designed to measure general academic ability, comprehension of scientific information, and perceptual ability. The DAT is administered all year and while all dental schools require applicants to participate in the DAT Program, test results are only one factor considered in evaluating applicant admission potential. Validity studies have shown that test scores in conjunction with academic records are useful in predicting performance in dental school. The relative importance of these predictors in the admission process is determined by each dental school."*

(http://www.ada.org/~media/ADA/Education%20and%20Careers/Files/2018_DAT_Guide.pdf?la=en)

Timing of the DAT

It's generally best to take the DAT as close to the time you complete the required coursework as possible. Waiting for a year or more between the time you finish your science pre-requisites (biology, general chemistry, organic chemistry) and the DAT test date isn't recommended, as your knowledge of these subjects may fade. Conversely, taking the exam too early also has its drawbacks and you shouldn't take the exam if you haven't completed the required courses or had adequate time to prepare for the exam. Note that the DAT exam does not test your knowledge of physics.

Preparing for the Exam

There are several ways to prepare for the DAT and it makes sense to think carefully about how you study best, where you'll be preparing for the exam and what else you'll be doing during your DAT prep time. In short, there is no "one size fits all" answer to the question "How do I study for the DATS?"

As far as what prep materials are best, the Health Professions Program at Middlebury does not endorse any one approach or test prep company over another, but simply provides you with information that allows you to make an informed decision.

- ✓ The ADA sells a number of [test prep materials](#)
- ✓ [CrackDat](#)
- ✓ [Kaplan Prep](#)
- ✓ [Khan Academy](#) (free of charge)) has a number of chemistry, organic chemistry and biology videos online that can help you work through difficult concepts
- ✓ [Princeton Review](#)

Pro-Tip: Look online for free practice tests!

It's easy to get caught up in wondering, which prep company is "the best," or spend a lot of time looking at testimonials promising high scores and guaranteed success. The bottom line is that all test prep programs have fairly similar information, study modules, and practice exams, and success ultimately comes down to the amount of time one actually spends studying and taking practice exams. Good Luck!!!

[GREs](#)

[Winter Term Internships FAQs](#)

Summer Research Opportunities

Summer Options

Our Health Professions students do any number of wonderful things during their summers. Some students will spend time in a research lab; others will analyze data for a clinical trial. A number of our students will do health related programs abroad, and still others might choose to explore public health, one of the allied health professions or try their hand at scientific writing. There is no “best thing” to do during your summer and what tends to make an experience beneficial is taking the time to ask questions of your mentor, learn about what people in the field like and don’t like about their jobs, and reflect on whether a particular career is right for you. We recognize that many of our students need to work or take classes during the summer, and that’s perfectly fine, too. If your schedule permits, consider using your down time to [shadow a local practitioner](#), or volunteer at clinic or hospital. In short, summer is what you make of it and by starting early on Handshake, meeting with advisors, paying attention to the bulletin boards in Bi Hall, and having your resume reviewed by someone at CCI, you can have a wonderful (and possibly funded!) summer experience.

You can start learning about summer possibilities by scrolling through the links below.

- [Summer Undergraduate Research Opportunities – AAMC](#)
- [Summer Undergraduate Enrichment Programs – AAMC](#)
- [Pre-Health Enrichment Programs Database](#) (published by Explore Health Careers)
- [Summer Opportunities for Disadvantaged and Minority Students](#) (published by NAAHP)
- [MD-PhD Summer Undergraduate Research Programs – AAMC](#)
- [Summer Medical and Dental Education Program \(SMDEP\)](#)
- [RIT’s Pre-Medical Studies Summer Research Opportunities List](#)
- [STEM Resources Handbook](#) – Compilation of summer opportunities organized by interest (biology, mathematics, chemistry, physics) and geographic region. Includes other helpful resources as well.

Please be advised that Middlebury College does not directly endorse any programs and interested students should thoroughly research any programs before deciding to participate.

Pre-Med Summer Opportunities

Clinical Training Programs

Company	Description
Brigham & Women’s Hospital, Boston, MA	Medical Career Exploration Volunteer Program
Alpha Genesis, Inc.	Pre-Baccalaureate research program
Health Career Connection (HCC), Oakland, CA	Comprehensive Internship Program
Temple University School of Podiatric Medicine, Philadelphia, PA	Summer Internship Program
University of California, San Francisco School of Medicine	Research Training Programs
Rutgers Robert Wood Johnson Medical School, NJ	Summer Clinical Internship Program

International Summer Programs and Possibilities

Company	Description
Bridges to Community	Volunteer
Child & Family Health International	Global Health Immersion Programs and Global Health Intensive Programs
Danish Institute for Study Abroad	Medical Practice & Policy Program Human Health and Disease: A Clinical Approach
Global Medical Brigades	Summer Programs
Global Volunteers	Student Volunteers
Idealist.org	Internships and volunteer opportunities available on their website .
InterAction	Internships and volunteer opportunities available on their website .
Foundation for Advancement of International Medical Education and Research	International Opportunities in Medical Education
International Service Learning	Medical Programs
American Medical Student Association	Mabelle Arole Fellowships
Uganda Village Project	Internships and volunteer jobs available on their website .
Unite for Sight	Volunteer Abroad Opportunities

Summer Camp Positions

Company	Description
Adaptive Sports Center, Crested Butte, CO	Summer Field Assistant
Camp Jabberwocky, Vineyard Haven, MA	Volunteer Counselors
Camp Ramapo, Rhinebeck, NY	Summer Staff
Camp Thorpe, Goshen, VT	Counselors
Hole in the Wall Gang Camp, Ashford, CT	Volunteer Cabin Counselor

Pre-Dental Summer Opportunities

Company	Description
Summer Medical and Dental Education Program (SMDEP)	The Summer Health Professions Education Program (SHPEP) is a free summer enrichment program focused on improving access to information and resources for college students interested in the health professions.
University of Michigan School of Dentistry Profile for Success	A six week residential program for college juniors, seniors, and recent college graduates to prepare students from disadvantaged and underrepresented backgrounds to be successful applicants for dental school.

Pre-Veterinary Summer Opportunities

Company	Description
The Alaska SeaLife Center Fellowship Program	Depending on the type of internship, duties may include assisting aquarium, avian or marine mammal staff with animal husbandry tasks; helping with marine-related research projects as well as teaching and/or preparing lessons in our education department.
Alpha Genesis, Inc. Summer Veterinary Program	Pre-Baccalaureate Summer Training Program (primate research). AGI Summer Veterinary Program (clinical practice techniques).
Association of Zoos & Aquariums	Search for internships at Zoos and Aquariums throughout the US.
Bronx Zoo Wildlife Conservation Society	With a strong focus on community education and a broad spectrum of functional areas, WCS is a prime institution for meaningful internships and volunteer experiences.
Chincoteague National Wildlife Refuge	Interns are an essential part of operations at Chincoteague National Wildlife Refuge. Available internships include the visitor services division and the wildlife biology division.
Colorado State University Food Animal Veterinary Career Incentive and Vet Prep Programs	See link for more information on both programs.
National Wildlife Federation	The National Wildlife Federation brings students and recent graduates to its offices nationwide, where they can experience many aspects of NWF's conservation mission, including work on endangered species, land stewardship, and protecting our nation's water.
New England Aquarium Internship Programs	Internships at the Aquarium offer college students, recent college graduates and career changers experience in areas ranging from veterinary services and animal husbandry to communications and program and exhibit development.
New England Wildlife Center Wildlife and Exotic Animal Veterinary Internship Program	Students come to the Center to gain valuable firsthand experience in veterinary medical technology, medicine and natural history.
North Carolina Zoo Wildlife Rehabilitation Center	The Valerie H. Schindler Wildlife Rehabilitation Center provides free veterinary and rehabilitation services to orphaned and injured native North Carolina animals.
University of Pennsylvania, PennVet Summer VETS	Participants will shadow in two rotations with

Program	fourth-year vet students and experience veterinary medicine throughout our small animal hospital. Special labs in Pathology, Microbiology and Anatomy have been created specifically for our program and will be taught by our renowned faculty.
San Francisco Zoo	The Zoo has employment opportunities and internships in animal management, guest services, education, fundraising, horticulture, maintenance, operations and administration. Internship opportunities traditionally are posted in the winter, spring and summer.
Seneca Park Zoo Pre-Vet Internship	Five-week, funded, research and clinical fellowship for pre-vet college students to occur between the end of the second week of May and the end of the first week of August.
Smithsonian's National Zoo & Conservation Biology Institute Internships	The National Zoo offers exciting and unique internships that help participants reach a range of academic and professional goals.
The American Bear Association Vince Shute Wildlife Sanctuary Summer Internships	If you are interested in conservation education, working closely with people, putting in long hours of hard work in all weather conditions, and living in rustic accommodations, then this internship is definitely for you.
US Fish & Wildlife Service Internship and Recent Graduates Programs	The new Internship Program provides students in high schools, colleges, trade schools and other qualifying educational institutions with paid opportunities to work in agencies and explore Federal careers while completing their education.
US Food & Drug Administration Veterinary Medicine Student Programs	The Center for Veterinary Medicine (CVM) offers a variety of programs for high school, undergraduate and graduate students. The Veterinary Medicine Student Programs provide opportunities that compliment your educational and professional interests.
Vermont Institute for Natural Science (VINS)	From environmental education and avian rehab to gardening and office support, volunteers are the lifeblood of VINS. Our message of environmental stewardship is more effective and reaches more people because of the special talents and generosity of this amazing group of people!
Wolf Hollow Wildlife Rehabilitation Center Internships	Our internships are intended to provide on-the-job training in basic rehabilitation skills, not to teach advanced veterinary theory or techniques. Staff work closely with local vets, but we do not have a vet on staff.

Pre-Health Summer Research Opportunities

Company
National Institutes of Health Summer Internship in Biomedical Research (SIP)
National Science Foundation
National Institute of Standards & Technology Student Employment
NASA Internships and Fellowships
Naval Research Enterprise Internship Program
Homeland Security – STEM Summer Internship Program
Howard Hughes Medical Research Fellows Program
Mayo Clinic Summer Undergraduate Research Fellowship (SURF) Program
U. S. Dept. of Energy Science Undergraduate Laboratory Internships (SULI) Program
U.S. Dept. of Energy Student Programs and Internships
Penn State College of Medicine Summer Undergraduate Research Programs
Rochester Institute of Technology – Co-op/Internships and Summer Research Opportunities in the Life Sciences
American Chemical Society Clearinghouse for Experiential Opportunities
American Mathematical Society Research Experience for Undergraduates Summer Programs
Explore Health Careers
University of Michigan Summer Enrichment Program
Association of American Medical Colleges Summer Undergraduate Research Programs
Summer Research Opportunities for Students – via Amherst College
Clark University Pre-Health Research Opportunities
American Physiological Society Undergraduate Summer research Fellowships
Gerstner Sloan Kettering Summer Undergraduate Research Program
Amgen Scholars Program Undergraduate Summer Research Program in Science and Biotechnology
CalTech Summer Undergrad Research Fellowships (SURF) and WAVE Fellows Program
Northwestern University Nanotechnology REU
University of Iowa Medical Scientist Training Program
Massachusetts Clean Energy Center Internship Program
Upstate Medical University Summer Undergraduate Research Fellowship Program
Case Western Reserve University – School of Medicine Research

Graduate & Professional School

Doctor of Medicine (MD) and Doctor of Osteopathic Medicine (DO)

Medical School (MD)

Testing: [Medical College Admission Test \(MCAT\)](#)

Timeline & Data:

- Association of American Medical Colleges (AAMC) [Timeline for Application/Admission to Medical School](#)
- Texas Medical and Dental Schools Application Service (TMDSAS) [Application Instructions](#)
- [MCAT and GPA Grid for Applicants and Acceptees to U.S. Medical Schools, 2013-2016](#)
- [Pre-Med Coursework Progress Tracker](#)
- [Medical School Application Process](#)
- [Health Professions Application Timeline](#) (the most helpful!!)

Resources:

- [Association of American Medical Colleges \(AAMC\)](#)
- [Aspiring Docs](#)
- [American Medical Association](#)
- [Explore Health Careers](#)

Osteopathic Medical School (DO)

Testing: [Medical College Admission Test \(MCAT\)](#)

Timeline & Data:

- [Osteopathic Medical College Applicant & Matriculant Profile](#)
- [How to Apply to Osteopathic Medical Schools](#)
- [AACOM Undergraduate Timeline](#)

Resources:

- [American Association of Colleges of Osteopathic Medicine \(AACOM\)](#)
- [American Osteopathic Association \(AOA\)](#)
- [The D.O. Is in Now – Osteopathic Schools Turn Out Nearly A Quarter of All Medical School Grads](#)

MD/PhD Programs

- [MD/PhD Dual Degree Training](#)
- [MD/PhD Summer Undergraduate Research Programs](#)
- [Medical Science Training Program \(MSTP\) Institutions](#)

Post Baccalaureate Programs

- [Post baccalaureate Premedical Programs](#)

Dental Medicine (DDS)

Testing: [Dental Admission Test \(DAT\)](#)

Timeline & Data:

- Associated American Dental Schools Application Service (AADSAS) [Timeline for Application to Dental School](#)
- Texas Medical & Dental Schools Application Services (TMDSAS) [Application Instructions](#)
- [Dental School Numbers](#)
- [How to apply to dental school \(2018\)](#)

Resources:

- [American Dental Education Association](#)
- [American Dental Association](#)
- [American Dental Association List of Schools](#)
- [American Dental Association Academic Enrichment Opportunities](#)
- [Explore Health Careers](#)
- [GoDental](#)

Veterinary Medicine (DVM)

Testing:

- [Graduate Record Exam \(GRE\)](#) is required by most veterinary schools (*for a listing of each accredited veterinary school's requirements, go to the AAVMC/VMCAS site [here](#).*)
- Some veterinary schools also require the [Biology GRE](#).
- [Medical College Admission Test \(MCAT\)](#) is accepted by some schools in place of the GRE.

Timeline & Data:

- [Veterinary Medical College Application Service \(VMCAS\)](#)
- [Prerequisite Chart](#)
- [Veterinary School Numbers](#)
- [Quick guide for how to apply to veterinary school](#)

Resources:

- [American Veterinary Medical Association](#)
- [Association of American Veterinary Medical Colleges \(AAVMC\)](#)
- [AAVMC Career Information](#)
- [Explore Health Careers](#)

Physician Assistant (PA)

Testing:

- [Graduate Record Exam \(GRE\)](#) is required by most physician assistant schools.

Clinical Experience:

PA schools require a significant (i.e. 2,000+) number of clinical hours/health care experience (HCE) as a pre-requisite. Because the accepted experiences for these hours differ from those accepted at many medical schools, we have provided a list of clinical experiences that are typically accepted by PA schools:

- Certified Nurse's Aid (CNA)
- Registered Nurse (RN)
- Medical Technician/Therapist (*includes Emergency Medical Technicians-EMT, Cardiology Technicians, Radiology Technicians, and Respiratory Therapists*)
- Medical Assistant (MA)
- Phlebotomist
- Caregiver/Home Health Aid
- Clinical Lab Technician
- Military Medic/Corpsman/Tech
- Peace Corps Volunteer

Typically shadowing and volunteer hours don't count towards the PA requirements for clinical experience.

Timeline:

- Most PA programs are approximately 26 months (3 academic years) and award masters degrees. They include classroom instruction and more than 2,000 hours of clinical rotations.
- *PA schools have various requirements. Keep in mind that these are general guides. You will want to research specific schools of interest for a complete listing of requirements. We also recommend you meet with one of our health professions advisors.*

Resources:

- [American Academy of Physician Assistants \(AAPA\)](#)
- [Information on the Physician Assistant Profession](#)
- [Physician's Assistant Education Association \(PAEA\)](#)
- [Central Application Service for Physician Assistants \(CASPA\)](#)
- [Explore Health Careers](#)

Other Health Professions Fields

Association of Health Professions Schools

Name	Acronym	Links
American Association of Colleges of Nursing	AACN	GRE MAT
The Association of Schools and Colleges of Optometry	ASCO	OAT
American Association of Colleges of Pharmacy	AACP	GRE
American Association of Colleges of Podiatric Medicine	AACPM	AACPMAS GRE MCAT
Association of Schools of Public Health	ASPH	GRE

General Information about Health Careers

Everything you want to know about a wide variety of health careers.

- [ExploreHealthCareers.org](#)

Online Coursework

- [MGH Institute of Health Professions](#)

Financing Your Education

- [AAMC Debt Fact Card \(2017\)](#)
- AAMC: [Financial Information, Resources, Services, and Tools \(FIRST\)](#)
- [Public Service Loan Forgiveness](#)
- [Loan Repayment/Forgiveness and Scholarship Programs](#)
- [National Health Service Corps \(NHSC\)](#)

Some alternative ways to finance your medical education:

- AAMC: [Financial Information, Resources, Services, and Tools \(FIRST\)](#)
- [Medical Scientist Training Program \(MSTP\)](#)

Service scholarships:

- Armed Forces Health Professions Scholarship Programs (HPSP)
 - [Air Force](#)
 - [Army](#)
 - [Navy](#)
- [National Health Service Corps \(NHSC\)](#)
- [Indian Health Service Corps Scholarships \(IHS\)](#)

Loan repayment programs:

- [Income Based Repayment Plan](#)
- [AAFP Resources](#) (for students committed to family practice)

- [AAMC: Loan Repayment Choices](#)
- [NIH Loan Repayment Programs](#)

Search engines for private funding:

- [CareerMD](#)
- [FastWeb](#)
- [Foundation Center](#)
- [International Financial Aid and College Scholarship Search \(IEFA\)](#)

Funding for research while in medical school:

- [The HHMI-NIH Research Scholars Program](#) provides support for one year of research at the NIH
- [Fogarty Fellowships](#) are another NIH-sponsored program that provides 10 months of support for intensive, clinical research in a developing country.

Physician compensation data:

- [Medical Economics](#): October, 2017 article on physician income.
- [AAMC's Careers in Medicine Program](#) – this may require a subscription for you.

Alternative Medicine

- Acupuncture - the [Accreditation Commission for Acupuncture and Oriental Medicine \(ACAOM\)](#)
- Chiropractic Medicine - [American Chiropractic Association \(ACA\)](#) and [Association of Chiropractic Colleges](#)
- [National Center for Complementary and Integrative Health](#) at the National Institutes for Health (NIH)
- **Naturopathic Medicine** - [Association of Accredited Naturopathic Colleges \(AANMC\)](#) and [American Associations of Naturopathic Physicians \(AANP\)](#) and [Council on Naturopathic Medical Education \(CNME\)](#)
- **Midwifery** - [National Association of Certified Professional Midwives](#) and [Midwifery Education Accreditation Council \(MEAC\)](#)

Environmental Health

- [National Institute of Environmental Health Sciences](#)

Genetics and Genetic Counseling

- [National Society of Genetic Counselors \(NSGC\)](#)
- [American Society of Human Genetics \(ASHG\)](#)
- [Careers in the Genetics Field](#)

Health Administration and Policy

- [AcademyHealth](#)
- [Agency for Healthcare Research and Quality \(AHRQ\)](#)
- [American College of Healthcare Administrators \(ACHCA\)](#)
- [American College of Healthcare Executives \(ACHE\)](#)
- [American College of Medical Practice Executive \(ACMPE\)](#)
- [American College of Physicians \(ACP\)](#)

- [American Hospital Association \(AHA\)](#)
- [American Organization of Nurse Executives \(AONE\)](#)
- [Association of University Programs in Health Administration \(AUPHA\)](#)
- [Healthcare Financial Management Association \(HFMA\)](#)
- [Healthcare Information and Management Systems Society \(HIMSS\)](#)
- [Medical Group Management Association \(MGMA\)](#)
- [National Association of Health Services Executives \(NAHSE\)](#)

Journals

- [Journal of the American Medical Association \(JAMA\)](#)
- [Medical Education Online](#)
- [The New England Journal of Medicine](#)

Neuroscience

- [Society for Neuroscience \(SFN\)](#)

Nursing

- [Accelerated BSN programs](#)
- [American Association of Colleges of Nursing \(AACN\)](#)
- [American College of Nurse-Midwives](#)
- [American Nurses Association \(ANA\)](#)
- [NursingExplorer.com](#)
- [RNtoBSN.org](#)

Nutrition

- [Academy of Nutrition and Dietetics – EatRight](#)
- [American Society for Nutrition \(ASN\)](#)

Occupational Therapy

- [American Occupational Therapy Association \(AOTA\)](#)

Optometry

- [American Optometric Association \(AOA\)](#)
- [Association of Schools and Colleges of Optometry \(ASCO\)](#)

Pharmacy

- [American Association of Colleges of Pharmacy \(AACP\)](#)
- [Guide to accredited pharmacy degrees](#)

Physical Therapy

- [American Physical Therapy Association \(APTA\)](#)

Podiatry

- [American Association of Colleges of Podiatric Medicine \(AACPM\)](#)
- [American Podiatric Medical Association \(APMA\)](#)

Psychology and Mental Health

- [American Counseling Association \(ACA\)](#)
- [American Psychiatric Association \(APA\)](#)
- [American Psychoanalytic Association \(APsaA\)](#)
- [American Psychological Association \(APA\)](#)
- [APA Society of Pediatric Psychology](#)
- [National Institute of Mental Health \(NIMH\)](#)

Public Health

- Review the [Global and Public Health Resources Handbook](#)

Public Health Organizations

- [Centers for Disease Control and Prevention \(CDC\)](#)
- [CDC Fellowships, Internships and Learning Opportunities](#)
- [U.S. Department of Health and Human Services](#)
- [National Institutes of Health](#)
- [The Henry J. Kaiser Family Foundation](#)
- [World Health Organization \(WHO\)](#)

Sports Medicine

- [American College of Sports Medicine \(ACSM\)](#)

LGBT Pre-Health

- [Gay and Lesbian Medical Association \(GLMA\)](#)
- [Lesbian and Gay Veterinary Medical Association \(LGVMA\)](#)

Underrepresented Students

- [Co-op/Internship Opportunities for Minority & Underrepresented Students](#) - paid and unpaid internship and summer research opportunities.
- [ExploreHealthCareers.org](#) - Diversity-Focused Career and Education.
- [NIH Undergraduate Scholarship Program for Individuals from Disadvantaged Backgrounds](#)
- [Summer Medical and Dental Education Program](#)

International Students

Do U.S. medical schools ever accept international students?

The short answer to your question is “Yes,” you most certainly can apply to medical schools in the US. The “Yes”, however is qualified in that it is statistically much more difficult for international students to be accepted into a US medical school, and if a student is accepted, there are major financial considerations to consider. Some schools require that 4 years tuition (can be a quarter of a million dollars!) be set aside in a special account.

According to AAMC statistics, in 2014, of the 1,160 MD applicants whose legal residence was outside of the US, 130 matriculated to medical school, for a matriculation rate of about 11% vs. 41% for all applicants. There are some US medical schools that do not accept international students and some that limit international acceptances to Canadian citizens. Once an international student is admitted, the financial aid options at many schools are more limited than they are for US citizens, so while it certainly isn’t impossible, it is important to have a realistic understanding of the obstacles faced by international students. We recommend the AAMC info sheet (<https://students-residents.aamc.org/applying-medical-school/article/applying-international-applicant/>) on applying as an international applicant, and finally the statistics of applicants to US medical schools by place of residence (<https://www.aamc.org/data/facts/>). Whether you are accepted into a US medical school as an international applicant, become a physician in your home country, or become a US citizen and eventually attend medical school in the states, we are here to support you in any way that we can.

Do U.S. dental schools accept international student applicants?

The term “international student” refers to an individual who is a native of a foreign country and who plans to study in the United States or Canada on a student visa. Students who have permanent residency status in the United States are not considered international students; they have the same rights, responsibilities, and options as U.S. citizen applying for admission to professional school. Applicants who have completed coursework outside the United States or Canada (except through study abroad) should supply a copy of their transcripts, translated into English, plus a course-by-course evaluation of all transcripts. Application details for international applicants are contained in the ADEA AADSAS application.
(from ADEA.org)

[AAMC Residency Program Guide to Considering Candidates with DACA Status](#)

This brief guide provides a quick overview for decision makers and leaders who influence policy at their institutions to facilitate fair consideration of US medical school graduates applying to residency through the ERAS who are of DACA status.

[Study Abroad Opportunities](#)

There are many options for pre-health students to study abroad. The Study Abroad office has a [special page](#) just for you.

[International Opportunities](#)

Before considering international opportunities, we recommend reading [“How does Global Service-Learning become a dis-service in healthcare settings?”](#)

- [International Opportunities c/o our colleagues at Williams](#)
- [Amazon Promise: Sustainable Health for Peru](#)
- [American Medical Student Association \(AMSA\) Directory of International Health Organizations](#)
- [Child Family Health International](#)
- [Cross Cultural Solutions](#)
- [Engineering World Health](#) (Duke University)
- [Experiential Learning International](#) (ELI)
- [Forward in Health](#)
- [Global Crossroad](#)
- [Global Health Corps](#)
- [Global Volunteers](#)
- [Health Care Volunteer](#)
- [Health Education and Advocacy Liaisons](#) – Roatan Pediatric Volunteer Clinic, Honduras
- [Health Inc. – Health, Environment and Literacy in the Himalayas](#)
- [Heart for Humanity \(HfH\)](#)
- [Humanity World International](#) – volunteer or intern in Ghana, Africa
- [Idealist.org – Organizations Promoting Global Volunteering](#)
- [International Health Resources \(Berkeley Library\)](#)
- [International Medical Volunteers Association \(IMVA\)](#) (if have some medical training)
- [Intern Abroad](#)
- [Institute for International Cooperation and Development \(IID\)](#)
- [International Service Learning](#)
- [Manna Project International](#)
- [Medical Ministries International](#)
- [OMPRAKASH](#)
- [Remote Area Medical Volunteer Corps \(need medical license – e.g. EMT\)](#)
- [SOTENI International](#)
- [Unite for Sight](#)
- [World Association of Non-Governmental Organizations \(WANGO\)](#)
- [World Health Organization](#)