

YOUR FUTURE IN HEALTHCARE

TeenLife®

2023

INSIDE:

PREPARING FOR A
CAREER AS A PHYSICIAN

3 ALTERNATIVES TO
MED SCHOOL

SUMMER PROGRAM
AND HEALTHCARE
COLLEGE LISTINGS

SCHOLARSHIPS AND
OTHER USEFUL
RESOURCES

YOUR FUTURE IN

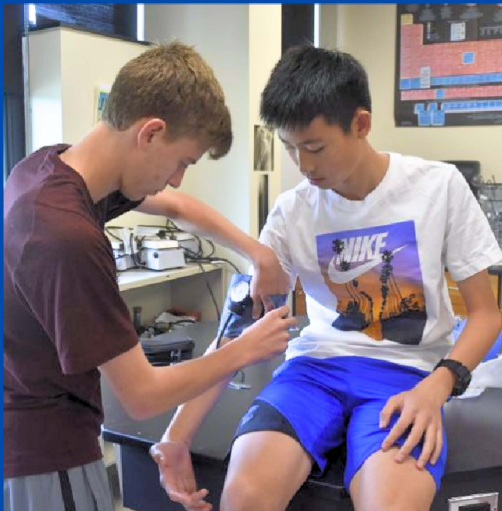
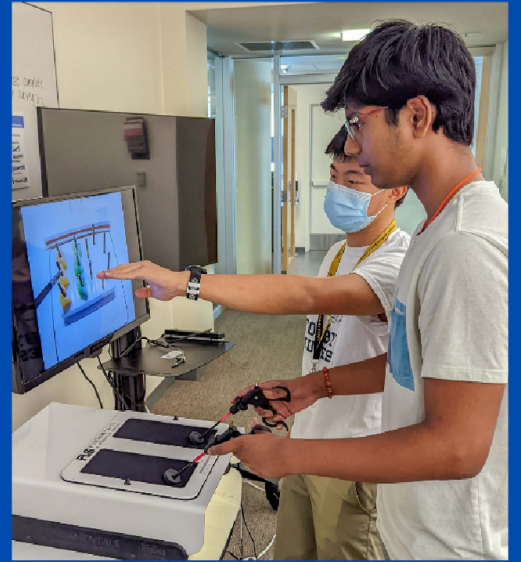
HEALTHCARE





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Marie Schwartz
CEO & Founder
TeenLife Media, LLC

PRESENTING YOUR FUTURE IN HEALTHCARE

Are you ready to pursue a career in healthcare but feeling a bit lost on where to start? Look no further than TeenLife's Your Future in Healthcare Guide! We've crafted this guide specifically for students like you, who want to explore the many exciting opportunities within the healthcare industry. Inside, you'll find all sorts of resources to help you on your journey, from links to scholarships to interviews with medical students to tips on how to build a successful healthcare career. Plus, we've included information on a variety of enrichment programs that will give you hands-on experience and help you stand out from the crowd.

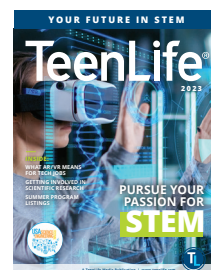
At TeenLife, our goal is to help launch you into a fulfilling future, and we believe that healthcare is one of the most rewarding fields you can pursue. That's why we created this guide with students in mind, to help you discover all the amazing possibilities available to you. We hope that by using this guide, you'll find a healthcare career that truly excites you!

QUESTIONS OR SUGGESTIONS?
Email me at mschwartz@teenlife.com



Welcome to "Your Future in Healthcare!" This digital guide strives to help students learn more about careers in specific career clusters, as well as the best ways to prepare themselves during high school and college for well-paying careers of the future! Please let us know if you have any questions or suggestions to make this resource as helpful as possible.

Other publications in this series:





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To download a PDF of this guide, go to:

<https://www.teenlife.com/your-future-in-healthcare/>

Imperial College
London

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6th Best University in the World, QS World University Rankings 2023.
10th Best University in the World, Times Higher Education World University Rankings 2023.

YOUR FUTURE IN HEALTHCARE



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PREPARING FOR A CAREER **AS A PHYSICIAN**



By Dr. Deborah Bedor, CEO, College Admission Central

So, you are devoted to the field of healthcare, and you know that your college applications must speak to this devotion with the rigor of your academics, the empathy you exhibit through human-to-human interactions, and the immersive experiences you have sought out in the service of science and healing. There are many faces of healthcare. The first that come to mind are likely the physician and the nurse. But ineliminable to those callings are research

(for which you must learn how to observe, experiment, follow a hypothesis, communicate, and write science) and medical technology. Thanks to the contemporary confluence of science, medical practice, data science, machine learning, and molecular analysis, we are amid a revolution in med-tech and precision medicine. So, if your talents lie in Computer Science, AI, or Machine Learning, your work might one day be pivotal in predicting and solving healthcare conundrums.

“There are many faces of healthcare. The first that come to mind are likely the physician and the nurse. But ineliminable to those callings are research and medical technology.”

Within the boundaries of this article, we will concentrate on successful paths to take in high school for becoming a future physician. Nonetheless, much of the advice to follow will apply equally well to other healthcare career objectives.

The connective tissue among all fields of medicine is the desire to heal, and ultimately, that requires you to be as human-focused as you are disease-focused because, as Dr. William Osler (a founder of the internal medicine discipline) noted, *“Listen to your patient; he is telling you the diagnosis.”* So, although it will be useful to be able to code or review algorithmic output, using your mathematical and analytical skills, it will be just as important to develop your soft skills and intuition. Engage in hands-on activities before college to enhance both your bedside and “websiteside” manner.

More than a century ago, Louis Pasteur said, *“Chance favors only the prepared mind.”* He meant that sudden flashes of insight do not just happen—they’re the product of preparation. Intense preparation, therefore, is key to a successful and fulfilling medical career and to admission into the best schools that nurture young scholars towards such a career. Forward-thinking students who hope to pursue medicine will understand that the unique combination of patient interaction and science research is part and parcel of the same future—and having experience in both, obtained through shadowing, scribing, volunteering, medical missions, bench, or behavioral research, can be pivotal to a student’s early professional choices and acceptance to college.

THE BEST ACTIVITIES THAT PREPARE YOU FOR PRE-MEDICAL/HEALTHCARE COLLEGE APPLICATIONS:

1. Shadow: Shadow physicians over a one to two-year stretch, if possible. Ask questions not only about the rewards of the discipline but also about the dark side of medicine: how to address the needs of terminal patients; how physicians cope with feeling overworked; keeping up not only on medicine but on the technology required for use in medical practices; handling disgruntled patients; long hours that might keep them away from family, etc.

IMPORTANT: Journal, journal, journal so that you have cases to discuss, methods of diagnosis to compare, and human-to-human interactions to observe. All these components will find a place in your BS/MD essays (and there are many supplementary essays for such applications, so you will need material to write about).

2. Scribe: Working as a medical scribe is a meaningful way to interact with patients, observe a broad spectrum of medical treatments, and learn the process involved in keeping detailed medical records as well as the diverse roles of a healthcare staff.

3. Train as an Emergency Medical Technician (EMT): An EMT provides emergency care to patients in need before they arrive at a hospital. They often work with fire departments and on ambulances, and although not medical professionals, they are trained to assess conditions, provide first aid and even life support when needed. In less than a year or 150 hours of coursework and training, a student can take the National Registry of Emergency Medical Technicians (NREMT) exam. This is valuable hands-on experience for a future pre-med.

4. Volunteer for the elderly in nursing homes or senior centers: This kind of engagement provides a way for you to have direct contact with seniors in need and uplift a life. Whether you are a musician, artist, storyteller, or a great listener, you can use your talents to develop creative programming and distraction from the quotidian routine of elder care.

5. Attend summer programs and conferences of like-minded students such as the National Academy of Future Physicians and Medical Scientists, NIH High School Summer Internship Program, BU Rise, or Penn Summer Academies.

YOU GET IN BY STANDING OUT!

Most advisors will recommend you become involved with the basic pre-med, science Olympiad, or HOSA clubs at school,



and, of course, those are valuable if only because you get to experience science and topics in healthcare amidst a like-minded group. However, taking up precious after-school time with the same clubs as every other student inspired to pursue medicine will make your college application look like everyone else's too. Why not differentiate?! For example, if you are an excellent writer, why not create a STEM Research Journal for your school, or develop a Speaker Series of notable physicians, or even a pop-up clinic with volunteer physicians, nurses, and social workers to serve the under-resourced in your community?

STRIVE FOR TOP GRADES, SCORES, AND RIGOROUS CHALLENGES

Your grades and test scores remain the gateway to a college major that relates to healthcare and, if you choose, medical school beyond. For students applying in the sciences, be sure that you have succeeded in the highest level of Biology, Chemistry, and Physics that your high school offers (AP or IB HL, or even college courses from community colleges). Strive to be an all-A student and be sure your math and science GPA is very high. That makes sense, right? If you are planning on joining an eminent profession of great scientists and physicians, participating in a life of learning and relearning through new lenses, and holding a patient's life in your hands, educational institutions want to be sure they are taking the very best minds and the hardest workers.

WHAT YOU MUST KNOW ABOUT COMBINED BS/MD PROGRAMS

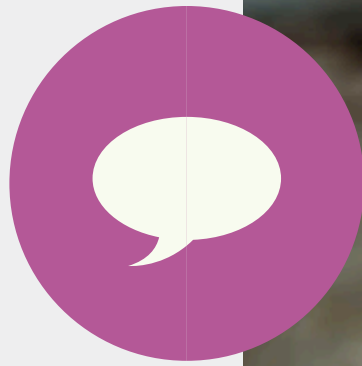
For those students seeking acceptance to a direct-medical program (BS/MD) in college, i.e., a seven-or-eight-year medical course of study, let's look at how to prepare your volunteer and creative life to build a challenging and meaningful résumé and BS/MD application.

The BS/MD is the most competitive of all college programs. Make sure your grades are "A"s in the most advanced courses your school offers; BS/MD programs look for rigor of curriculum and academic success in all your subjects. Standardized test scores are still important. Make sure you score in the mid to high 700s on each part of the SAT or 34+ on each part of the ACT. The competition is serious.

If possible, plan on spending some time in another country volunteering in clinics through a medical mission or in research labs. Diversity and global understanding have become important aspects of the BS/MD application.

Dr. Deborah Bedor, CEO of College Admission Central www.collegeadmissioncentral.com; Author of Amazon Best Sellers: *Getting IN by Standing OUT* and *The Exceptional Applicant*.

STUDENT TESTIMONIAL:

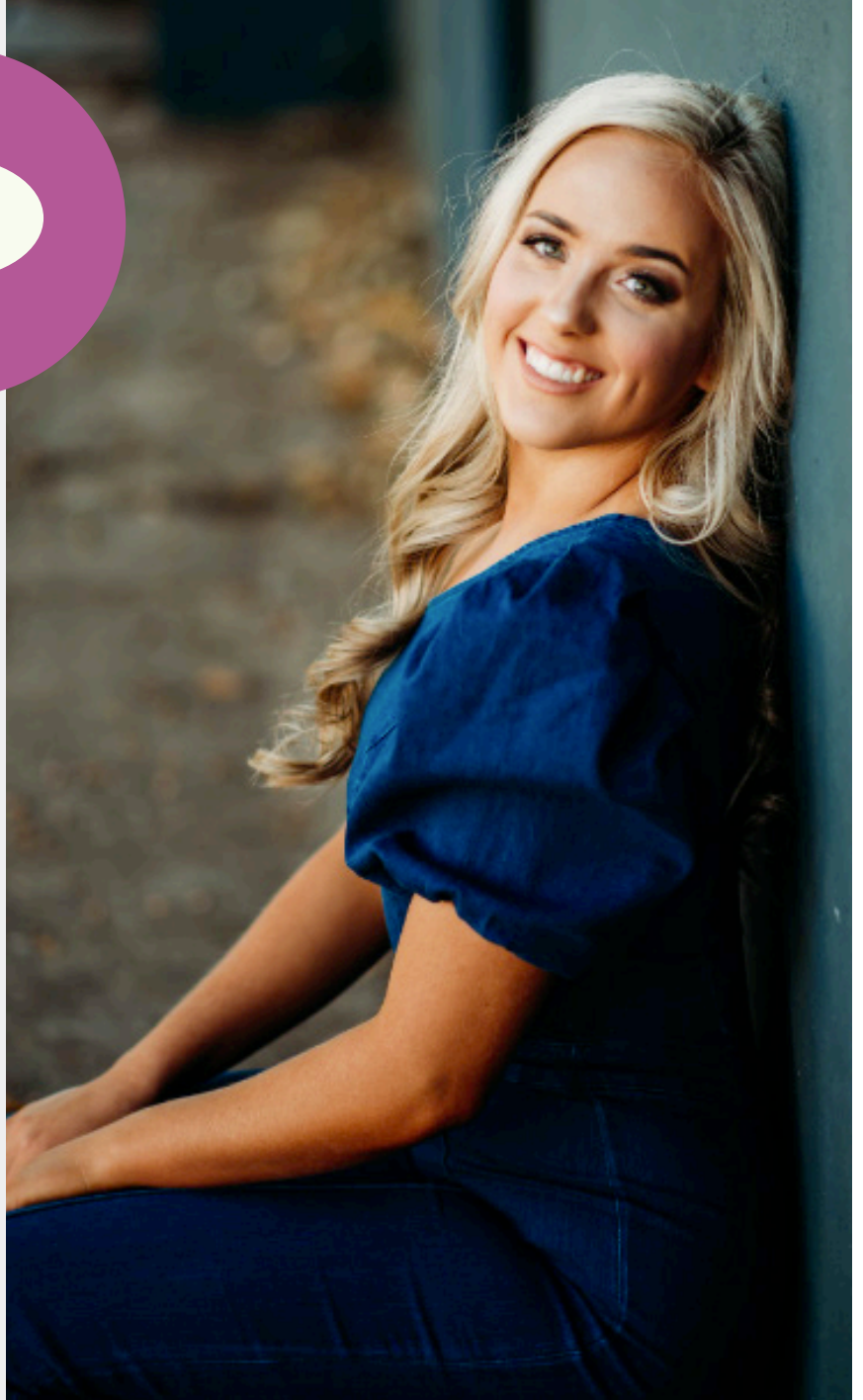


Bryanah Houston **BOSTON LEADERSHIP INSTITUTE: INTRO TO SURGERY**

I took Intro to Surgery, described by BLI as a one-week medical program that introduces students to basic surgical skills, such as surgical knot tying and suturing. It allows us to translate these skills to mock surgeries. Students focus on cardiovascular disease, including coronary artery bypass grafting. Students additionally complete, in groups, a slideshow presentation involving cardiothoracic diseases and their surgical treatments. They will then practice their presenting skills as they present their work to the rest of the class. They learn skills that will aid them in the process of applying to and succeeding in pre-med and medical programs in their futures.

During my time attending the BLI Intro to Surgery program, I feel that it impacted me in many ways. I learned skills early on that I otherwise would have had to learn further in my academic career. I was taught verbal study hacks by my amazing instructors. These helped me not only remember the materials better but also how to be more attentive. Overall, I learned skills that will help me down the road to further my education and lead me to be the surgeon I one day hope to become. I was able to perform mock surgeries such as a gastric bypass and a CABG as well as learn and apply many different suture technics that I still practice today. I was also taught the proper way to check someone's blood pressure.

This skill enabled me to be able to check my dad's blood pressure when needed, which I was unable to do prior to my BLI experience.



Being involved in hands-on learning helped me understand and physically see what I was learning to prepare me for the work I will be executing in the future. Apart from the medical skills I took part in, I learned how to be a leader and the importance of collaboration skills. I learned how to work together when in groups/duos and listen to other people's thoughts and ideas. I gained the ability to better my public speaking when presenting my own ideas to my peers. All in all, I learned leadership skills that I now apply to my everyday life. I am involved in multiple clubs at my school, some of which I lead to excel in the community and accomplish great goals. I am forever grateful and blessed that I had the opportunity to learn such amazing things at BLI.

3 ALTERNATIVE CAREER PATHS FOR **STUDENTS INTERESTED IN MEDICINE**



By Rebecca DePalma, PA-C

Countless aspiring medical professionals envision themselves donning white coats and earning the coveted title of “Doctor.” This was once true for me, too. Yet, as I delved deeper into the world of medicine, I discovered that the path to helping

others extended well beyond the realm of traditional MD and DO degrees. Exciting opportunities like Physician Assistants (PA) and Nurse Practitioners (NP) opened up broader horizons for me to explore. As medical providers, these diverse professions still grant practitioners the power to change lives through

diagnosis, treatment, and medicinal expertise, all while offering a compassionate, healing touch to patients across the globe. Below you will find some of the most popular non-MD/DO career paths for students interested in medicine.

OPTION 1: PHYSICIAN ASSOCIATE (PA)

Formerly named “physician assistant”, but due to their independence in practice, the name is changing to physician associate. PA is one of the degrees that allows you to practice medicine.

For comparison purposes, MD programs require a bachelor’s degree (usually 4 years) at an undergraduate university, 4 years of medical school, then a required residency, with an optional fellowship thereafter (if you want to further specialize). In general, doctors do not have the ability to change their specialty –once they are trained in an area, that is the area they are qualified to work in– unless they go back to school to complete a new residency/fellowship.

To become a PA, you are also required to have a bachelor’s degree, followed by attending 2-2.5 years of PA school. This includes didactic classes the first year, and clinical rotations out in different medical practices the second year. Upon graduating, no residency or fellowship is needed. You are qualified to work in any area of medicine for adult and/or pediatric patients, and most jobs will allow you some training while working on the job to learn more about that area. You essentially do the same tasks as a doctor and typically have your own separate panel of patients that you see independently. You can work in two different specialties at the same time, and you can change specialties if you were to change your mind or desire to learn about a new area. For example, if you work in dermatology for a while and then want to try something new, you can shift to a new position in neurology. This is called lateral mobility, a feature of the PA profession.

OPTION 2: NURSE PRACTITIONER (NP)

Comparable to the pathway of a physician assistant, pursuing a career as a nurse practitioner enables one to become a medical professional, with the primary distinction being the journey to reach this position. Nurse practitioners have the opportunity to work across various specialties as well. A notable difference is that NPs typically begin as registered nurses, necessitating RN licensure for application. Consequently, they must complete four years of undergraduate studies in nursing or, if they hold a degree in another field, attend nursing school to acquire

their RN status. Once they are registered nurses, they become eligible to enroll in nurse practitioner programs. A further distinction is that NP students often attend school on a part-time basis while continuing to work, which is not the case for PA students. As a result, the duration of NP programs ranges from 2 to 4 years, depending on whether the student is attending full-time or part-time, and encompasses both didactic coursework and clinical experiences.

As a nurse practitioner (NP), you can customize your career path by selecting a particular focus such as family practice or mental health, which allows you to gain in-depth knowledge in that specific area. However, this may limit your flexibility to switch between specialties. Alternatively, you can opt for a broader NP degree, providing you with the ability to explore a range of specialties and adapt your career as desired. For instance, family nurse practitioners (FNPs) with primary care training can work in diverse settings like women’s health or other areas, given the opportunity for on-the-job training. NPs have the option to change the area they work in and can see patients completely independently. Pay for NP and PA positions tend to be about the same, and both are slightly less than a doctor/physician – although all three careers still make good salaries.

OPTION 3: NURSING (BSN)

This degree allows you to become a nurse (RN). To receive your BSN, typically you attend an undergraduate university that has a nursing program. After 4 years of undergrad with nursing declared as your degree, you graduate, and then sit for the NCLEX exam to become a nurse. A key difference is that this role is in the nursing category but is technically not considered a medical “provider”. The term provider implies you can diagnose diseases, order labs, and prescribe medications. As a nurse, you cannot do these things, but still have a wide scope of practice. You are the one to fill orders such as placing IVs, giving patients medications that were already prescribed, among other tasks. Nurses tend to be common in hospitals, but can work in a wide variety of settings (ex. inpatient/hospitals, outpatient/clinics, emergency departments, ICUs, surgery, mental health, skilled nursing homes, etc.) with the ability to change specialties.



By Rebecca DePalma, PA-C
Instagram: @rebeccawestcoastpa

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A two-year degree in a Health Sciences major provides **specialized training** and **hands-on experience** that employers value highly. This **practical and cost-effective** education can help individuals launch a successful and rewarding career without **wasting time and money** on a traditional four-year degree.

Enroll today!



HARCUM COLLEGE







Scan the QR code to connect with the programs in this guide!



HEALTHCARE SUMMER PROGRAMS




As the healthcare landscape continues to evolve, it's more important than ever for aspiring professionals to gain hands-on experience, develop critical skills, and explore diverse career paths in the field. Our carefully curated selection of summer programs offers a wide range of immersive opportunities for teens. By participating in these programs, students will not only gain a deeper understanding of the healthcare industry but also foster valuable connections and personal growth. Get ready to embark on a life-changing journey and take the first step toward your future in healthcare!

BOSTON LEADERSHIP INSTITUTE | [View Website](#)

-  \$599 to \$4,097
-  7th, 8th, 9th, 10th, 11th, 12th
-  In-Person
-  One to Three Weeks





BLI offers award-winning programs in Medicine, Engineering, Science, and Business in and around Boston. Three-week research programs include Biomedical & Surgical Research, Astrophysics, Finance, Electronics & Robotics, and more. These are competitive admissions and provide valuable credentials for college applications. One-week options, available for both middle school and high school students, include Intro to Surgery, Forensics, Architecture, and Investment Banking. Day and residential options are available for both three-week and one-week programs. [Learn more »](#)

BRANDEIS PRECOLLEGE ONLINE HEALTHCARE PROGRAMS | [View Website](#)

-  \$995
-  9th, 10th, 11th, 12th
-  Online
-  Two or Four Weeks





Brandeis University's Precollege Online Program offers flexible, online courses in women's health and global health designed for high school students. You'll learn from Brandeis professors, receive guidance from a mentor, and earn a Certificate of Completion—on a schedule that works for you. The program is available year-round, and the online format lets you study anywhere, anytime at your own pace. [Learn more »](#)

CASE WESTERN RESERVE PRE-COLLEGE HEALTHCARE PROGRAMS | [View Website](#)

-  \$995
-  9th, 10th, 11th, 12th
-  Online
-  Two or Four Weeks




Case Western Reserve University's pre-college program offers online courses for high school students interested in neuroscience or other STEM-related subjects. Explore the anatomical structures that comprise the nervous system and how the brain sends messages to the spinal cord. You'll learn from Case Western Reserve University instructors, receive mentorship, and earn a Certificate of Completion. The course is 100% online, so you can study whenever your schedule allows. [Learn more »](#)

FUTURE PHYSICIANS AMERICA | [View Website](#)

-  \$1,200 to \$8,500
-  9th, 10th, 11th, 12th, College
-  In-Person
-  One to Six Weeks




Medical camps: Clinical skills (hands-on); Cardiology & Resuscitation; Neurology Publishing & Research camps: FPA students publish as 1st authors in PubMed journals such as Archives Dermatological Research, Orthopedic Reviews, JACEP, Health Psychology Research, International Journal Emergency Medicine, Journal of the National Medical Association, & NEJM; they present their research at meetings such as the American Academy of Neurology, Society of Academic Emergency Medicine, American Society of Plastic Surgery, American Academy of Dermatology, American Medical Association, Florida Orthopedic Society & others. [Learn more »](#)

GEORGETOWN UNIVERSITY ONLINE MEDICINE PROGRAMS | [View Website](#)

-  \$1,495
-  9th, 10th, 11th, 12th
-  Online
-  Varies

Are you interested in the world of medicine? Thinking about going into the field of medical research or surgery? Georgetown University offers pre-college online courses in medicine for high school students ages 13 and older. Each course features dynamic video lessons by renowned Georgetown faculty and access to mentors. The program is available year-round, and the online format enables you to study anywhere, anytime, at your own pace. [Learn more »](#)

IMPERIAL COLLEGE LONDON: GLOBAL SUMMER SCHOOL | [View Website](#)

-  £5,825
-  10th, 11th, 12th
-  In-Person
-  Two Weeks

Imperial Global Summer School (Medicine and Life Sciences) is a two-week residential programme running in July or August, specifically designed for 16 to 17-year-olds with a passion for medicine. Taught by Imperial academics, students will take their subject knowledge to the next level immersing themselves in classroom-based lectures, laboratory sessions and practical workshops. Stay in the heart of London, in real student accommodation and enjoy a variety of social activities alongside the academic programme. [Learn more »](#)

ORTHOPAEDIC FOUNDATION: MANHATTAN MEDICAL IMMERSION CAMP

[View Website](#)


-  \$6,500
-  9th, 10th, 11th, 12th, College
-  In-person
-  One Week

The Manhattan Medical Immersion Camp is a one-of-a-kind, hands-on experience unlike any other in the tri-state area. The program invites students into our BioSkills Cadaver Lab in New York City to learn about the different fields of medicine, surgery, and healthcare. The program puts students right in the lab in a small-group setting alongside New York's top surgeons, medical professionals and experts in their fields. [Learn more »](#)

OUTSET PRE-MED SUMMER PROGRAM | [View Website](#)

 \$5,975

 9th, 10th, 11th, 12th


 In-person


 Two Weeks

Outset is a competitive 2-week summer program for high school students interested in medical careers. We hold this program on the campus of UNC-Chapel Hill. Our mission is to help the next generation of healthcare workers and physicians prepare for the M.D. path. For ages 15-18. [Learn more »](#)

OXFORD ROYALE ACADEMY: MEDICINE SUMMER SCHOOL IN OXFORD, CAMBRIDGE AND YALE | [View Website](#)

 \$5,000+

 8th, 9th, 10th, 11th, 12th

 In-person


 Two Weeks


Oxford Royale offers summer schools in Medicine for both 13-15 and 16-18 age groups. This is an excellent opportunity to get an authentic taste of studying medicine at one of the world's top universities. Alongside teaching from an expert faculty, gaining hands-on experience, and learning in a truly academic environment, our students expand their global network and cultural outlook, and develop key academic and life skills for their university applications. Perfect for all aspiring medics and healthcare professionals.


[Learn more »](#)

QUINNIPIAC UNIVERSITY: HEALTHCARE CAREER EXPLORATION ACADEMY

[View Website](#)

 \$3,360

 10th, 11th, 12th

 In-Person


 Two Weeks


Allied health encompasses a broad group of health professionals who use scientific principles and evidence-based practice for the diagnosis, evaluation and treatment of acute and chronic diseases, promote disease prevention and wellness for optimum health and apply administration and management skills to support healthcare systems in a variety of settings. This program is designed for high school students who want to learn about career opportunities within allied health professions, gain certification in health-related skills, and earn two college credits. [Learn more »](#)


QUINNIPIAC UNIVERSITY: MEDICAL MICROBIOLOGY SUMMER PROGRAM

[View Website](#)

 \$1,680


 9th, 10th, 11th, 12th

 In-Person

 One Week





Microorganisms are all around us and help shape our everyday lives. This summer, explore the exciting world of microbiology and learn the strategies and techniques used by researchers and medical professionals to diagnose diseases and develop new treatments. The format of this 1-week program includes discussions, laboratory techniques and fun activities designed to reinforce scientific concepts in an informal environment. In addition, participants will meet microbiologists and microbiology students who can offer insight into academic and career possibilities in microbiology. [Learn more »](#)

RATIO 21: PRE-MED BOOTCAMP | [View Website](#)

-  \$499
-  9th, 10th, 11th, 12th,
-  Online
-  Four to Six Weeks





Ratio 21's virtual Pre-Med Bootcamp gives high school students the opportunity to meet physicians and medical students, ask questions, and learn about their specialty through real-life case studies. Students will also have the opportunity to conduct a research project with support from our expert instructors. Led by physicians from top universities, this program is project-based, collaborative, and helps students successfully navigate the application, college, med school and career process. Programs are virtual, with live and asynchronous options, year round! [Learn more »](#)

RICE UNIVERSITY PRECOLLEGE PROGRAM | [View Website](#)

-  \$1,195
-  9th, 10th, 11th, 12th
-  Online
-  Varies


Are you hoping to test out a subject before college? Rice has an exciting opportunity for motivated high school students like you. Experience learning from top Rice professors through engaging, tech-forward videos and demonstrations; and collaborate with in-the-know mentors. Work at your own pace and earn a Certificate of Completion from Rice University. [Learn more »](#)

SUMMER DISCOVERY: HEALTHCARE PROGRAMS | [View Website](#)

-  \$3,000+
-  9th, 10th, 11th, 12th
-  In-Person
-  One to Five Weeks

Our programs in Medicine combine education and career exploration to deliver a summer pre-college experience unparalleled in the industry. During these experiences, you will take the first steps toward your role as a future leader in medicine while engaging with a diverse group of exceptional high school students. You'll gain marketable, in-demand skills through action-based classroom activities and real-world experiences to jump-start your college career and professional portfolio. [Learn more »](#)

SYRACUSE UNIVERSITY PRE-COLLEGE HEALTHCARE PROGRAMS | [View Website](#)

-  \$1,985 - \$4,535
-  10th, 11th, 12th
-  In-person
-  Two Weeks, Three Weeks, or Six Weeks





Syracuse University Office of Pre-College Programs provides exceptional and transformative pre-college experiences to high school students from around the world. Syracuse University Pre-College Programs offers a variety of Healthcare and STEM-related courses in 2023 including: Biomedical Engineering; Biotechnology; Digital Health; Food Studies: Farm, Food, Futures; Forensic Science; Foundations of Human Behavior; Neuroscience; Nutrition in Health; Pre-Med and Health Professions; and more! Visit our website for more information. [Learn more »](#)

UNIVERSITY OF ROCHESTER ONLINE MEDICINE PROGRAMS | [View Website](#)

-  \$995
-  9th, 10th, 11th, 12th
-  Online
-  Two or Four Weeks





The University of Rochester’s Pre-College Online Program is a great way to determine if your passions could lead to a college major or a future career. We offer courses in medicine, orthopedic surgery, biomedical engineering, and more. Our online courses are developed for students ages 13 and older; designed by Rochester faculty who are experts in their respective fields; supported by mentors to enrich your learning experience; and delivered through dynamic videos allowing you to learn at your own pace. [Learn more »](#)

WAKE FOREST UNIVERSITY ONLINE MEDICINE PROGRAMS | [View Website](#)

-  \$995
-  9th, 10th, 11th, 12th
-  Online
-  Varies

The Wake Forest Online Immersion Program for high school students provides the opportunity to explore your interests before college. We offer engaging courses in the fields of medicine, psychology, bioscience, and more. Our online courses are developed for students ages 13 and older; designed by Wake Forest University faculty who are experts in their respective fields; supported by mentors who enrich your learning experience; and delivered through dynamic videos allowing you to learn at your own pace. [Learn more »](#)

WILLIAM & MARY PRE-COLLEGE ONLINE PROGRAM | [View Website](#)

-  \$995
-  9th, 10th, 11th, 12th
-  Online
-  Varies

Curious about how to prepare for your future? How about exploring venture capital, psychology or medicine? Our online courses are designed for aspiring high school students. You’ll hear from W&M professors, receive support from a mentor, and study at your own time and pace thanks to our flexible format. Earn a Certificate of Completion and jump-start your future today. [Learn more »](#)

WORLD SCHOLARS ACADEMY | ELITE SUMMER COURSES | [View Website](#)




-  \$2,495
-  7th, 8th, 9th, 10th, 11th, 12th
-  Online
-  Two to Four Weeks

World Scholars Academy offers elite summer courses and research internships in medicine for middle and high school students. Our challenging medical programs are taught 100% live online by world-leading medical scholars from top universities such as Oxford and Cambridge. Explore your future career in healthcare and accelerate your path to becoming a top physician with one-on-one academic guidance, advanced study skill acquisition, and high-level medical instruction from the world’s most accomplished educators. Opportunities available for aspiring medical scholars ages 12-18. [Learn more »](#)

COLLEGES & UNIVERSITIES FOR HEALTH SCIENCES

Choosing the right college is crucial in laying the foundation for a successful healthcare career. These distinguished institutions stand out for their exceptional healthcare programs, dedicated faculty, and cutting-edge facilities. As you explore these colleges, consider how their unique offerings, campus culture, and commitment to student success align with your aspirations and goals. Embrace this exciting opportunity to embark on an academic journey that will shape your future and prepare you for a fulfilling career in the healthcare industry!

BOSTON UNIVERSITY SCHOOL OF MEDICINE | [View Website](#)

-  \$61,050
-  Private
-  Boston, MA
-  Healthcare Administration, Mental & Behavioral Health





Boston University School of Medicine is dedicated to the educational, intellectual, professional and personal development of a diverse group of exceptional students, trainees, and faculty who are deeply committed to the study and practice of medicine, to biomedical research, and to public health. A school built upon educational excellence. Each year, approximately 180 new medical students and 350 graduate medical sciences students matriculate at BUSM. The demanding and rigorous medical training combines clinical work at more than 40 outpatient sites ranging from hospitals to private clinics, laboratory experience, and lectures. A long tradition of research and innovation. BUSM faculty push the frontiers of scientific and medical knowledge, just as they've done for more than 130 years. [Learn more »](#)

HARCUM COLLEGE: HEALTH SCIENCES | [View Website](#)

-  \$14,750/semester
-  Private
-  Bryn Mawr, PA
-  Nursing, Physical Therapy, Occupational Therapy

Harcum College offers a range of majors in the Health Sciences that include robust experiential education components and are considered career-ready associate's degree programs. Upon graduation, because of the clinicals and practicums, students readily obtain employment in fields such as Occupational Therapy Assistant, Physical Therapist Assistant, Nursing, Dental Hygiene and Dental Assisting with EFDA, Veterinary Nursing, Radiologic Technology, to name a few of the majors offered. [Learn more »](#)

UNIVERSITY OF LOUISVILLE: HEALTH SCIENCES CENTER | [View Website](#)

-  In-State: \$12,147
Out-of-State: \$28,520
-  Public
-  Louisville, KY
-  Nursing, Dental Hygiene, Healthcare Administration

The University of Louisville is a state supported research university located in Kentucky's largest metropolitan area. It was a municipally supported public institution for many decades until 1970. The University has separate schools of Dentistry, Medicine, Nursing, and Public Health. The University has three campuses. The 287-acre Belknap Campus is three miles from downtown Louisville and houses seven of the university's 12 colleges and schools. The Health Sciences Center is situated in downtown Louisville's medical complex and houses the university's health related programs and the University of Louisville Hospital. The 243-acre Shelby Campus is located in eastern Jefferson County. [Learn more »](#)

STUDENT TESTIMONIAL:



Eileen Sheridan **QUINNIPIAC UNIVERSITY** **SUMMER PROGRAMS**

Why did you choose to participate in this program?

After attending the Quinnipiac University Open House last Spring, I knew I could see myself going to school there. Quinnipiac moved up on my list to my first choice for college. I figured it would be an amazing opportunity to experience a little taste of what college would be like and would help me confirm what I want to do in the future. The program helped me to confirm that I want to be an Occupational Therapist.

How did you decide which program was right for you?

I knew I wanted to choose an occupation in Allied Health Sciences. Allied Health professions encompass a large group of professions. When I received an email about the summer programs being offered, I decided that the Health Exploration Program would be perfect for me because it would give an insight to many healthcare professions, which is exactly what I needed to help me determine what I wanted to do in my future.

What was a typical day in your program?

I woke up around 7am to get ready and then head over to the student center for breakfast around 8. After breakfast, we went to the designated classroom. Classrooms changed each day depending on the occupation we learned about. Each class was set up as a hands-on workshop about that specific profession we were learning about that day. Each session had a professional from the field who spoke about what a day in the life of that profession was



like. We then had a hands-on activity. The sessions went from 9am-12pm, with a lunch break from 12-1pm.

Classes resumed from 1-3pm. At 3:00pm we had the opportunity to hang out with other students until dinner at 5:00pm. After dinner we had an evening activity provided by our amazing counselors and would head back to the dorms at 8pm and be in bed by 10pm. The program also gave us the opportunity to explore different activities in the area. We went hiking at Sleeping Giant State Park, spent a day at the aquarium and zoo. These outings gave us an opportunity to get to know the staff and the other students in the program.

What was the most memorable moment of your program?

That is a hard question for me to answer! I have many reasons why the program was memorable and unforgettable. First, where else would I have the opportunity to hold a human brain! The program gave me great insight on each profession and that helped me decide that I want to be an Occupational Therapist. Secondly, I met amazing people! The staff were knowledgeable and so friendly. I also made great friends that I still talk to everyday! Thirdly, it allowed me to see what college life was going to be like. This experience helped me realize that I am ready to go away and experience the world.

Your Future in Healthcare: WHAT CAN YOU EARN?

Source: US Bureau of Labor Statistics Occupational Outlook Handbook

The healthcare field is expected to see significant growth in the coming years, with an anticipated 13% increase in job opportunities from 2021 to 2031, according to the US Bureau of Labor Statistics' annual report on job trends.

The reasons behind this surge in demand are manifold, ranging from the aging population to a growing focus on preventive healthcare. As healthcare professionals become more in demand, wages are also rising, with many healthcare

occupations offering median pay well above the national average.

In this list, we'll explore some of the top healthcare occupations and their earning potential, as well as the educational requirements necessary to pursue these careers. Whether you're interested in medicine, nursing, or anything else healthcare related, there's a wealth of options available to you in the field. So let's dive in and see what your future in healthcare could hold!

MEDIAN ANNUAL WAGES FOR SELECTED HEALTHCARE OCCUPATIONS

OCCUPATION	JOB SUMMARY	ENTRY LEVEL EDUCATION	2021 MEDIAN PAY
ATHLETIC TRAINERS	Athletic trainers specialize in preventing, diagnosing, and treating muscle and bone injuries and illnesses.	Master's Degree	\$48,420
CHIROPRACTORS	Chiropractors treat patients with health problems of the neuromusculoskeletal system, which includes nerves, bones, muscles, ligaments, and tendons.	Doctoral or Professional Degree	\$75,000
DENTAL HYGIENISTS	Dental hygienists examine patients for signs of oral diseases, such as gingivitis, and provide preventive care, including oral hygiene.	Associate's Degree	\$77,810
DENTISTS	Dentists diagnose and treat problems with patients' teeth, gums, and related parts of the mouth.	Doctoral or Professional Degree	\$163,200
DIETICIANS AND NUTRITIONISTS	Dietitians and nutritionists plan and conduct food service or nutritional programs to help people lead healthy lives.	Bachelor's Degree	\$61,650
EMTS AND PARAMEDICS	Emergency medical technicians (EMTs) and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities.	Postsecondary Nondegree Award	\$36,930
OCCUPATIONAL THERAPIST	Occupational therapists treat patients who have injuries, illnesses, or disabilities through the therapeutic use of everyday activities.	Master's Degree	\$85,570
PHARMACISTS	Pharmacists dispense prescription medications to patients and offer expertise in the safe use of prescriptions.	Doctoral or Professional Degree	\$128,570
RADIATION THERAPISTS	Radiation therapists treat cancer and other diseases in patients by administering radiation treatments.	Associate's Degree	\$82,790
REGISTERED NURSES	Registered nurses (RNs) provide and coordinate patient care and educate patients and the public about various health conditions.	Bachelor's Degree	\$77,600
SURGEONS AND PHYSICIANS	Physicians and surgeons diagnose and treat injuries or illnesses and address health maintenance.	Doctoral or Professional Degree	\$208,000 +
VETERINARIANS	Veterinarians care for the health of animals and work to protect public health.	Doctoral or Professional Degree	\$100,370

NAVIGATING A CAREER IN HEALTHCARE: **IS IT THE RIGHT FIT FOR YOU?**



By Hannah Peeler

When it comes to deciding if a career in healthcare is the right choice for you, there are a lot of factors to consider. Below are some pros and cons of joining the healthcare field, so you can see if it is the right fit for the lifestyle you want to have in the future.

PROS:

Job Security

There are a lot of uncertainties in the world we live in today, but one thing that we know will always be certain is that people will continue to get sick. Germs and environmental hazards that make people ill aren't going anywhere, so there will always be a need for healthcare workers. This high demand for healthcare workers provides job security for those in the healthcare field, meaning you will have no problem keeping your job or finding a new one within the healthcare world.

Variety of Niches

Another pro of choosing a career in the healthcare field is the fact that there is a huge variety of niches to choose

from. If you love working with children or comforting the elderly, you can join a pediatric or geriatric unit. If you are passionate about helping women through their pregnancy journey, you can work in an OB GYN clinic or a hospital's Women's Center.

If you don't have a preference about what group of people you work with, but you are interested in medical fields that deal with certain areas of the body, there are a ton of niches to choose from. You could work in a dermatology office working with diseases of the skin, a rheumatology office helping diagnose patients who have inflammation of the bones or joints, or a gastroenterologist office working with patients experiencing digestive issues; the possibilities are endless!

Travel with Your Career

One aspect of the healthcare field that a lot of people don't know about is the need for traveling healthcare workers. When a hospital or clinic faces staffing shortages, they call on traveling healthcare workers to temporarily fill their staffing needs. This is a great opportunity for those in the

healthcare field that don't quite feel ready to settle down in one place yet. Some examples of healthcare career paths that have traveling positions include travel nurses, travel ultrasound techs, and travel occupational therapists.

Fast Paced Environment

Sitting behind a desk and staring at a computer for 8 hours isn't for everyone, and if you are the kind of person who needs a fast paced work environment, then a career in the healthcare field is the path for you. Each day in the healthcare field will bring its own sets of challenges to solve, and you will certainly never be bored if this is the career path you choose.

CONS:

Overwhelming Workload

One aspect of having a career in healthcare that can be considered a con is that if you are in a hospital setting, the workload can be overwhelming at times. Because people will always be sick and have injuries, the patient to healthcare worker ratio can be high, meaning you often have a lot on your plate.

Burnout

Because of the workload, a lot of healthcare workers experience burnout, meaning they experience periods of emotional exhaustion because of the stress of their job. Burnout can happen in any career, but it is especially important for healthcare workers to take care of themselves by using their vacation time and sick days when needed and taking care of their mental health.

Dealing with Bodily Fluids

When working directly with patients in healthcare, odds are you will come in contact with some kind of bodily fluid, like blood, feces, or urine, pretty regularly. If you have a weak stomach or get grossed out easily, you may want to consider a different career path outside the healthcare field.

Odd Hours

A lot of healthcare careers have strange hours, especially in the hospital setting. What kind of medical setting you work in would determine your schedule, but some schedules could include three 12 hour shifts per week, on call rotations, and night shifts. Some people enjoy working unique schedules for their lifestyle, but there are always regular 9-5 shifts in doctor office settings for those who prefer a traditional schedule.

HIGH-SCHOOLER INTERESTED IN MEDICINE?

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Source: NCHSE

Looking for even more opportunities in Healthcare?

CHECK OUT THESE OTHER GREAT RESOURCES TODAY!

- » American Association of Colleges of Nursing
- » American Association of Colleges of Osteopathic Medicine
- » Association of American Medical Colleges
- » Association of Nurse Practitioners
- » Medical School HQ
- » MyPABox - PA School Finder
- » National Student Nurses' Association
- » OldPreMeds
- » Roadmap to Med
- » Student Doctor Network
- » The PA Education Association
- » The PA Platform
- » U.S. News and World Report Top Medical Schools



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Your Future in Healthcare: HOW MUCH EDUCATION DO I NEED?

Everyone knows that becoming a doctor can take years and years of education and training. However, what many students may not know is that there's all kinds of healthcare professions that require far less schooling.

If you're interested in a career in healthcare but aren't ready to commit to 10+ years of medical school, consider exploring the following options. Degrees and/or certifications for

many of these jobs can be completed in four years or less, though minimum education and licensing requirements vary from state to state and country to country.

Use the list of selected healthcare occupations below as a guide and, if any of them strike your interest, be sure to research the minimum requirements for such a position in your area. We can't wait to see what you do with your future in healthcare!

HIGH SCHOOL DIPLOMA OR EQUIVALENT	POSTSECONDARY NONDEGREE AWARD	ASSOCIATE'S DEGREE
<ul style="list-style-type: none"> • Home Health Aide • Laboratory Animal Caretaker • Medical Biller • Medical Equipment Technician • Personal Care Aide • Veterinary Assistant 	<ul style="list-style-type: none"> • Dental Assistant • EMT • Health Information Specialist • Massage Therapist • Medical Assistant • Medical Transcriptionist • Medical Records Specialist • Paramedic • Pharmacy Technician • Phlebotomist • Surgical Technologist 	<ul style="list-style-type: none"> • Cardiovascular Technician • Cytotechnologist • Dental Hygienist • EKG Technician • MRI Technologist • Nuclear Medicine Technologist • Personal Trainer • Radiation Therapist • Sonographer • Ultrasound Technician
BACHELOR'S DEGREE	MASTER'S DEGREE	BACHELOR'S DEGREE
<ul style="list-style-type: none"> • Athletic Trainer • Biostatistician • Clinical Lab Technician • Dietician • Exercise Physiologist • Health Educator • Medical Librarian • Nutritionist • Recreational Therapist • Registered Nurse • Social Worker • Toxicologist 	<ul style="list-style-type: none"> • Art Therapist • Epidemiologist • Genetic Counselor • Nurse Practitioner • Midwife • Occupational Therapist • Physician's Assistant • Prosthetists • Speech Pathologist 	<ul style="list-style-type: none"> • Audiologist • Chiropractor • Dentist • Optometrist • Pathologist • Pharmacist • Physical Therapist • Physician • Surgeon • Podiatrist • Veterinarian

YOUR FUTURE IN HEALTHCARE: **SCHOLARSHIPS FOR HIGH SCHOOL STUDENTS**

If you're a high school student who dreams about working in healthcare, you may be wondering how to make your dreams a reality. The path to becoming a healthcare professional can be long and challenging, but there are many resources available to help you achieve your goals.

One of the most significant challenges facing aspiring healthcare professionals is the cost of education. Healthcare programs, especially those at the graduate level, can be quite expensive. Fortunately, there are many scholarships available to help high school students pursue their dreams without breaking the bank.

In this list, we have compiled several scholarships specifically aimed at high school students who are interested in pursuing a career in healthcare. These scholarships are offered by various organizations, including professional associations,

foundations, and corporations, and they provide financial support to students who demonstrate academic excellence, leadership potential, and a passion for healthcare.

Additionally, if you've already applied to a college or university, be sure to check whether or not they have any healthcare-specific scholarships. Many colleges and universities have "fast-track" programs available too, where students can complete multiple degrees at once, cutting down on the overall total cost of higher education. Be sure to ask the colleges you're interested in if they have any such programs or scholarships available.

If you're ready to take the first step towards your healthcare career, check out the following list of scholarships and start applying today!

- » American Psychological Association Scholarship Database
- » American Occupational Therapy Foundation Scholarship Program
- » A Nurse I Am Scholarship
- » Charity's Alumnus Erudition Award
- » Dashanna K. McNeil Memorial Scholarship
- » Headbang for Science
- » James "Rhio" O'Connor Mesothelioma Scholarship Fund
- » Nurses Educational Funds, Inc
- » Sunshine Behavioral Health's Opioid Awareness Scholarship
- » Tylenol Future Care Scholarship
- » U.S. Air Force ROTC Nursing Scholarship Program



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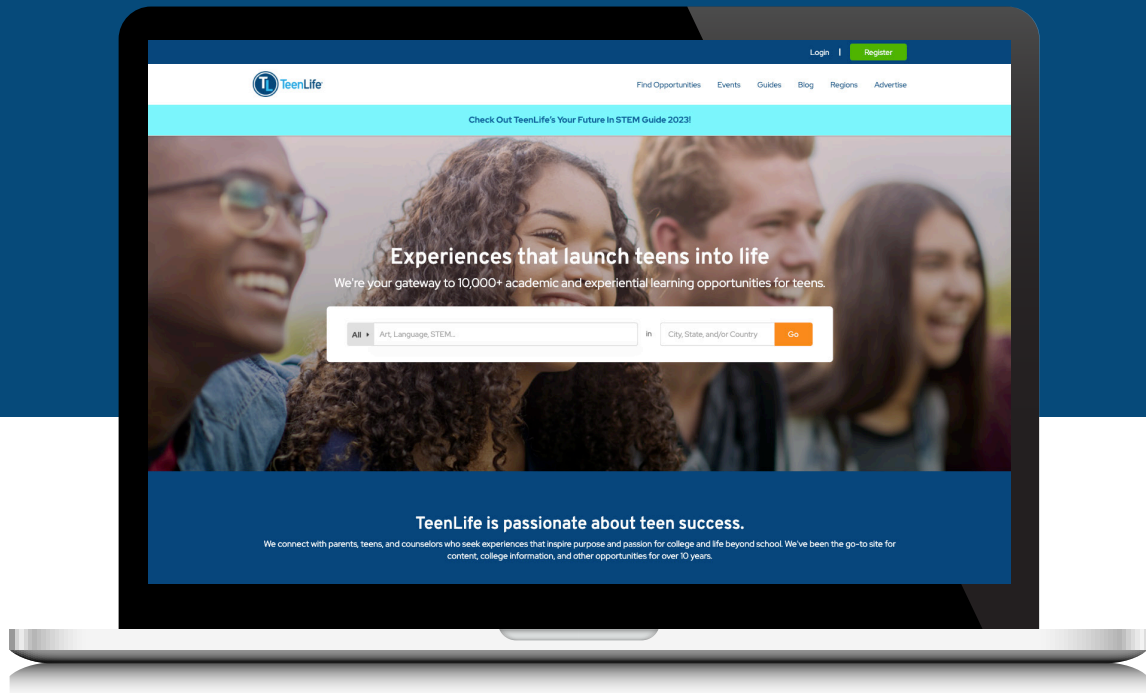
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