



HIGH SCHOOL PREMEDICAL PROGRAM



PURPOSE

The traditional premedical preparation typically starts during college education. Many university students are not exposed to experiences in the medical field until the later stages of their education. It is known that a career in medicine requires rigorous preparation and education to achieve sustainable success. Medical school admission is becoming more competitive and challenging due to increased interest and limited space. The purpose of the Young Physicians Initiative is constructing a premedical program for individual high schools providing early and interactive guidance toward a medical career for high school students interested in medicine.



MISSION

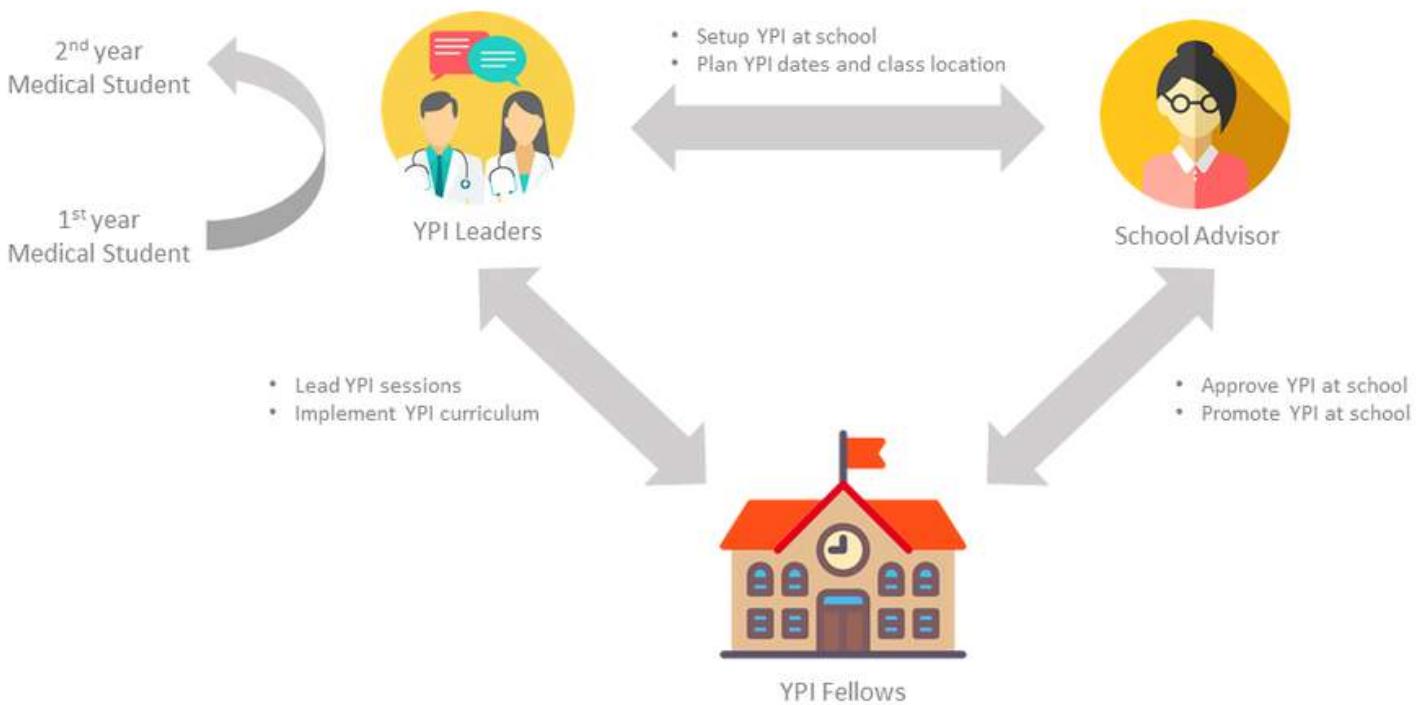
The Young Physician Initiative provides a positive and engaging mentorship experience to prepare high school students on their journey toward a medical career. The participants will receive the necessary support, motivation, and guidance to develop a structured plan to achieve their goals.

The program will address the following questions:

- What is the meaning and purpose of medicine?
- How do you prepare for a medical education?
- What is the experience of being a doctor?

DESCRIPTION

Students with an aptitude for science and interest in the profession of medicine may elect to participate in the Young Physicians Initiative (YPI). Students meet monthly with physicians and other medical professionals to consider the meaning and purpose of medicine and to experience being a doctor. The program draws on the curricula of university pre-med programs. Topics include recent advances in medicine, preparation for admission to medical school, disease processes, clinical practice, medical research, medical technology, and public health.



YPI FELLOWS

We call our high school students who are enrolled in YPI program “YPI fellows.” Each fellow receives a graduation certificate titled “future doctor” in addition to on-going mentorship by their YPI leaders.

YPI LEADERS

Medical students must apply and be selected to be part of the YPI program as leaders. They serve as a liaison between the high school and its selected teacher or counselor. The YPI leaders implement the YPI curriculum while inspiring their YPI fellows into a career in medicine.

Each high school has two medical students. A 1st year medical student who is trained by a 2nd year medical student during the fall semester. The 1st year medical student leads the sessions in the spring semester. During the next year, as a rising 2nd year medical student, they will train the new 1st year medical student for YPI. The process creates an on-going pipeline of medical students that are trained by former YPI leaders. It follows similar system of residency training where residents train interns to become future residents.

Selected 4th year medical students who were YPI leaders have the opportunity to be the YPI director responsible for program supervision and the implementation of the YPI curriculum at various schools.



ACTIVITIES

The sessions are divided into the following categories. It will provide an enhanced guidance and mentorship according to the mission of the program for early premedical education.

1. Medical School Preparation

The focus of this component is to introduce high school students to the requirements of medical school admission and the importance of tailoring their college education plans to enhance their overall chance of acceptance into medical school. Students are introduced to a medical school roadmap that allows them to visualize the journey ahead and to understand the various component parts of the often complicated process. Participants begin to develop their own plans, identify early medical interests, and define goals with the help of medical students and physician mentors and medical school counselors.

2. Life of a Doctor: Medical Case/ER Triage

These sessions introduce students to a physician's lived experience. Students through experiential learning sessions explore the daily life of a physician. They are introduced to the more common diseases likely to be encountered and most importantly how physicians approach a patient's symptoms and how they think through the diagnostic process. Medical cases, journal articles, and new trends in medicine are discussed.

3. Careers in Medicine

There are many career paths available to a medical school graduate. In this session students are introduced to a number of medical career paths and medical disciplines such as clinical practice, research, technology, public health, and other career paths. Physicians from various disciplines and career paths share their experiences to help shape and inform a student's medical career exploration.



SESSIONS

- Academic year
 - Fall semester: September, October, November
 - Spring semester: February, March, April
- 6 required sessions + 2 optional

The small group will meet on a monthly basis with their program leader according to the schedule of sessions. There will be an online platform to exchange information and announcements.

LOCATION

The program will be hosted at each participating high school. The school administration will agree on assigning the appropriate classroom.



TIMELINE

Fall Semester

Session 1: Introduction to the program + Emergency Room I

September

- Describe the mission and goals.
- Learn about the students' interest and purpose of joining the program.
- Discuss the concept of triage and seeing multiple patients at same time.
- Ask to fill Pre-survey (member page)

Session 2: Life of a Doctor: Medical Case I

October

- Discuss a mock medical case.
- Introduce students into the process of diagnosis and learning about medical tools.
- Learn about common medical disease and prevention.

Session 3: Medical School Preparation I

November

- Learn about the pathway toward medical school.
- The importance of focus and discipline.
- The benefit of medical education.

Optional Session: College preparation

- Medical students can offer to revise college personal statement
- Provide tips on college application process
- Host a session to bring medical students to edit final versions of personal statements.



TIMELINE

Spring Semester

Session 4: Life of a Doctor: Emergency Room II

February

- Discuss a medical case and the process of diagnosis.
- Learn about common medical disease and prevention
- Speaker: Clinical physician & medical student

Session 5: Careers in Medicine

March

- Expose members to various careers in medicine.
- Learn about new trends in medicine.
- Speaker: Physicians from different careers in medicine.

Session 6: Life of a Doctor: Medical Case II + Graduation

April

- Discuss a mock medical case.
- Introduce students into the process of diagnosis and learning about medical tools.
- Students will be awarded a certificate of completing the program after a minimum of 6 sessions.
- Ask to fill post-survey (member page)

Optional Session: Experiences in Medicine II

- Volunteer at non-profit clinic or health fair.
- Learn about various medical devices and process.
- Open to students who are interested to volunteer at health fair or community clinic.





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Physicians Initiative