



Our first YPI fellows and leaders in Clarkston High School.

## Prepare Early

# Be Successful

The Young Physicians Initiative provides early and interactive guidance to high school students who have an interest in a career in medicine.

Future Doctor





Young  
Physicians  
Initiative



# Young Physicians Initiative

High School Pre-Medical Program

Do you want to be a doctor?

## We are here to help

Getting into medical school can be a long and arduous process, especially if students wait until college to start. The Young Physicians Initiative provides early and interactive guidance to high school students with academic potential, a commitment to completing college and who have an interest in medicine.

Our program leaders are professors, clinical physicians and medical students.



**Join**

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Your  
Success

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## Our Sessions

### **Medical School Preparation**

We introduce high school students to the requirements for medical school admission and the importance of tailoring their college education plans to enhance their overall chance of acceptance into medical school.

### **Medical Cases**

Students engage in 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.

### **Careers in Medicine**

Physicians from various disciplines and career paths share their experiences that help shape and inform a student's medical career exploration.

### **Experiences in Medicine**

This is an optional activity. Students are given an opportunity to work in a non-profit local health clinic and health fair.



## **Prepare Early Be Successful**

*"I enjoyed speaking with different doctors, solving medical cases, listening to students talk about their experiences in college to become a doctor."  
YPI Fellow*

**Join us**  
[www.ypiprogram.com](http://www.ypiprogram.com)



# Fellows & Leaders



## Our Program

- One session a month
- 45-60 minutes per session
- After school
- Medical student as your leader
- Solve medical cases
- Learn about medical school
- Experience the life as a doctor
- Become a **YPI fellow**



## YPI Fellow

The YPI fellow is a high school student who is hard-working, dedicated and interested in becoming a doctor.

Fellow represents:

- Hard work
- Professionalism
- Dedication
- Community Service



## YPI Leader

The YPI leader is a medical student who is dedicated to service and mentorship of high school students in underserved communities.

Leader represents:

- Community Service
- Compassion
- Mentorship
- Leadership

# 6 Steps for Medical School Preparation

## High School

### Step 1: Perform well in high school

- Take challenging classes
- Find mentors
- Take on responsibility and leadership positions outside of school

### Step 2: Apply to College

- Do well on ACT or SAT
- Meet with college counselor
- Have as many people as possible read your essay

### Step 3: Take pre-med classes early

- Meet with Pre-Med Advisor early
- Plan harder pre-med classes for easier semesters

### Step 4: Explore new interests

- Intern, do research, or work over the summer
- Find a supervisor or mentor for research
- Become a leader in an area you care about

### Step 5: Take the MCAT

- Can take before or after graduation
- Do many practice questions and tests

### Step 6: Apply to medical school

- Discuss list with pre-med advisor
- Get letters of recommendation
- Write personal statement



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# Medical School Applicant

During your medical school application session, you will learn about the process of applying to medical school and review strengths and weaknesses of applicants through our activity.

## Qualities of a Strong Applicant

- Be Successful in school
- Be Engaged in your community
- Be Involved outside of classroom
- Be Exposed to medical practice
- Be Motivated

Feel free to answer the following questions during and after the session:

**My strengths and interests that make me strong and unique:**

**Things I would like to improve and explore more in the future:**





Team: \_\_\_\_\_



Let's Diagnose

History of Present illness

Past medical history

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Family history

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Social history

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Medications

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Allergies

\_\_\_\_\_

Physical exam

Vitals

Temperature

Blood pressure

Heart rate

Respiratory Rate

Oxygenation

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**General:** Normal or abnormal: \_\_\_\_\_

**HEENT:** Normal or abnormal: \_\_\_\_\_

**Heart:** Normal or abnormal: \_\_\_\_\_

**Lung:** Normal or abnormal: \_\_\_\_\_

**Abdomen:** Normal or abnormal: \_\_\_\_\_

**Neuro:** Normal or abnormal: \_\_\_\_\_

**Extremity:** Normal or abnormal: \_\_\_\_\_

Abnormal Labs:

Imaging:

ECG:

Differential Diagnosis

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Diagnosis



Team: \_\_\_\_\_



Let's Diagnose

History of Present illness

<b>Past medical history</b> _____ _____ _____	<b>Family history</b> _____ _____ _____	<b>Social history</b> _____ _____ _____	<b>Medications</b> _____ _____ _____ <b>Allergies</b> _____
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Physical exam

Vitals

Temperature	Blood pressure	Heart rate	Respiratory Rate	Oxygenation
_____	_____	_____	_____	_____

**General:** Normal or abnormal: \_\_\_\_\_

**HEENT:** Normal or abnormal: \_\_\_\_\_

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**Lung:** Normal or abnormal: \_\_\_\_\_

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**Extremity:** Normal or abnormal: \_\_\_\_\_

**Abnormal Labs:**

**Imaging:**

**ECG:**

**Differential Diagnosis**

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Diagnosis**



Team: \_\_\_\_\_



# Emergency Triage

**Cases**      **Admit**      **Discharge**      **Diagnosis**

1.            

2.            

3.            

4.            

5.            



Temperature  
97.7-99.5 F



Blood pressure  
120/80 – 140/90



Heart rate  
60-100



Respiratory rate  
12-20



Oxygenation  
90-100%

Labs	Patient	Normal range
<b>Complete blood count</b>		
White blood cell	14	5-10
Hemoglobin	7	12-15
Platelets	175,000	150,000 – 450,000
<b>Basic metabolic panel</b>		
Sodium	140	135-145
Potassium	4.0	3.5-5.0
Blood urea nitrogen	15	5-25
Creatinine	1.0	0.5-1.2
Glucose	90	70-120
<b>Heart markers</b>		
Troponin	0.02	<0.01
Brain natriuretic peptide	90	<100
D-dimer	100	<250

Team: \_\_\_\_\_



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1.            

2.            

3.            

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