Health Professions Overview

Tong Jin and Chenya Song, Office of Academic Advising
Graduate School Blast
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Agenda

❖ Overview of health professions
❖ Medical school application process
❖ Panel discussion
Catherine (Kewa) Zhang
Adjunct Instructor of Social Work at NYU Shanghai
kz24@nyu.edu
carenia.kuan@sinounitedhealth.com

Dr. Carenia Kuan
Chief of Pediatrics at SinoUnited Health Clinic in Shanghai
carenia.kuan@sinounitedhealth.com

Dr. Francoise Guillo
Professor of Practice in Social Sciences at NYU Shanghai
fog1@nyu.edu

Dr. Seungki Min
Chief Executive Officer of Orthorobotics, Inc., in Seoul
s.min@momaland.co.kr
Overview of Health Professions

- Do you realize that a wide variety of health careers exist?
- Do you have an explicit health professional goal and plan (e.g. medicine, dentistry, pharmacy, etc.)?
- How would you leverage undergraduate and graduate education to do what you really want to do?
Health Careers Exploration

● Is a health career right for you?

○ What is your motivation to pursue a health career?
○ Are you passionate about keeping up with developments in your field?
○ Are you comfortable in a healthcare setting?
○ Are you a team player?
○ What lifestyle do you envision?

Source: https://www.verywellmind.com/choosing-a-health-career-1736361
Health Career Exploration

- What types of health careers can you pursue?
  - Medicine
  - Surgery
  - Dentistry
  - Midwifery
  - Pharmacy
  - Psychology
  - Nursing
  - Public Health
  - Allied Health
Health Careers Exploration

How long do you commit to the professional training?

- **Less Schooling (< 5 years)**
  - Dental Assistant, Licensed Vocational Nurse, Emergency Medical Technician, Pharmacy Technician

- **Moderate Schooling (5-6 years)**
  - Athletic Trainer, Art Therapist, Cardiovascular Technologist, Health Administrator

- **Advanced Schooling (> 6 years)**
  - Biostatistician, Dentist, Audiologist, Surgeon

Source: http://explorehealthcareers.org/en/getting_started/is_a_health_career_right
Health Careers Exploration

- Helpful resources to explore health careers:
  - Explorehealthcareers.org  
    http://explorehealthcareers.org/en/home
  - AAMC Careers in Medicine  
    https://www.aamc.org/cim/
  - Aspiring Docs  
    https://students-residents.aamc.org/
  - NYU Prehealth Program  
    http://prehealth.cas.nyu.edu/page/home
  - United State’s Department of Labor  
    http://www.bls.gov/ooh/
Physicians and Surgeons

Summary

Quick Facts: Physicians and Surgeons

<table>
<thead>
<tr>
<th>2017 Median Pay</th>
<th>This wage is equal to or greater than $208,000 per year or $100.00 per hour.</th>
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</thead>
<tbody>
<tr>
<td>Typical Entry-Level Education</td>
<td>Doctoral or professional degree</td>
</tr>
<tr>
<td>Work Experience in a Related Occupation</td>
<td>None</td>
</tr>
<tr>
<td>On-the-job Training</td>
<td>Internship/residency</td>
</tr>
<tr>
<td>Number of Jobs, 2016</td>
<td>713,800</td>
</tr>
<tr>
<td>Job Outlook, 2016-26</td>
<td>13% (Faster than average)</td>
</tr>
<tr>
<td>Employment Change, 2016-26</td>
<td>91,400</td>
</tr>
</tbody>
</table>

What Physicians and Surgeons Do

Physicians and surgeons diagnose and treat injuries or illnesses. Physicians examine patients; take medical histories; prescribe medications; and order, perform, and interpret diagnostic tests. They counsel patients on diet, hygiene, and preventive healthcare. Surgeons operate on patients to treat injuries, such as broken bones; diseases, such as cancerous tumors; and deformities, such as cleft palates.

Work Environment

About half of physicians and surgeons worked in physicians’ offices in 2016. Others worked in hospitals, in academia, or for the government.

How to Become a Physician or Surgeon

Physicians and surgeons have demanding education and training requirements. Physicians typically need a bachelor’s degree, a degree from a medical school, which takes 4 years to complete, and, depending on their specialty, 3 to 7 years in internship and residency programs.

Pay

Annual mean wages for physicians and surgeons are available on the Pay tab.
Dr. Francoise Guillo
Professor of Practice in Social Sciences
NYU Shanghai
fog1@nyu.edu
SOCS-SHU 170
Introduction to Global Health

Dr. Xuan Li
Assistant Professor of Psychology
NYU Shanghai
xuanli@nyu.edu
SOCS-SHU 432
Capstone Seminar: Psychology and Global Health

Dr. Todd Meyers
Associate Professor of Anthropology
NYU Shanghai
tem3@nyu.edu
SOCS-SHU 445
Topics in Society, Health & Medicine
U.S. Medical School Application

- United States: Doctor of Medicine (MD) and Doctor of Osteopathic Medicine (DO).
  - Both are 4-year programs followed by a residency of 3-8 years.
  - Applicants have to first hold a 4-year Bachelor’s degree.
  - Many medical school applicants major in science but that is not necessarily required.
  - Admission committees are looking for candidates with strong analytical, critical thinking, research and oral and written communication skills.
U.S. Medical School Application

- **Required Prehealth Courses**
  - One year of Biology
  - One year of Physics
  - One year of English and Writing
  - Two years of Chemistry (through organic chemistry)
  - Calculus
  - Biochemistry I.
  - Some schools may require additional courses, particularly in mathematics and/or biochemistry.
  - Two courses in behavioral/social sciences strongly recommended. For example: Intro to Psychology, Introduction to Sociology (SOC-UA 1).
U.S. Medical School Application

- **The Medical College Admission Test (MCAT)**
  - Required by practically all medical schools in the United States and Canada.

- **Extracurricular Involvement**
  - Clinical experience
  - Research experience
  - Civic engagement
  - Student clubs and organizations

- **Committee Letter of Evaluation**
  - NYU Shanghai writes the applicant an institutional letter of evaluation.
What is a Good GPA for Med School?

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<tr>
<th></th>
<th>APPLICANTS</th>
<th>MATRICULANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science GPA</td>
<td>3.45</td>
<td>3.64</td>
</tr>
<tr>
<td>Non-Science GPA</td>
<td>3.70</td>
<td>3.79</td>
</tr>
<tr>
<td>Total GPA</td>
<td>3.56</td>
<td>3.71</td>
</tr>
</tbody>
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SOURCE: Association of American Medical Colleges
Can I apply for US medical schools as an international student?

- Current data from the Association of American Medical College suggests that roughly 1% of the medical students in the United States are international students.

- Consider different professional paths and the training required.
- Consider where you hope to practice.
- Research alternative funding options.
**MCAT** Medical School Admissions Timeline

- **Take MCAT & Get Scores**
- **File Primary Applications**
- **File Secondary Applications**
- **Interviews**
- **Acceptance**

**Ideal time to prep**
Most students will prep between October and April of their junior year.

**Ideal time to test**
Most students will test between January and May of their junior year.
Panel Discussion
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1. How did you make your decision of pursuing a health profession?
2. What is it really like being a doctor/social worker?
3. What skills/qualities are needed to be a doctor/social worker?
4. What was your medical school life like?
5. What advice would you give to undergraduate students if they are thinking of pursuing a health-related career in the future?
Ronak Trivedi  NYU Shanghai Class of 2017

Major: Neuroscience
Minor: Psychology
Current Jobs:
Medical Scribe and
Research Assistant

Attending MD School:
Rutgers New Jersey
Medical School, Class of
2023

Contact info:
rut202@nyu.edu
Give us your feedback!