Doctor

**Industry Demand of Doctors**

* The average population of the world is increasing at a rapid pace meaning that the amount of people from each age group is increasing. All age groups require medical doctors, especially infants and the elderylly, A report from the Association of American Medical Colleges (AAMC) projects that the United States will face a shortage of between 54,100 and 139,000 physicians by 2033. Among the factors driving the shortage are a growing elderly patient population and retiring doctors.
* Medical doctors are not only needed in hospitals even though that is the primary workplace. Doctors can also be employed as teachers, in governmental positions and in NGOs.
* As the older population grows and rates of chronic illnesses increase, consumers will seek high levels of care that use the latest technologies, diagnostic tests, and therapies and thus new surgeons with the knowledge would be needed.

**Salary (Range)**

* Entry Level Salary in the United States: $ 145,000/Year
  + The exact number will depend a lot on the type of doctor
* Mid Career Salary in the United States: $ 220,000/Year
  + Specialists can earn a lot more at around $ 320,000/Year
* Salary in Indonesia depends a lot on specialization, for example a Heart Specialist can earn Rp 200.000.000,00/Month

**Core Tasks**

* Assess symptoms of patients and diagnose conditions.
* Explain diagnosis results to the patient in an empathetic and compassionate way.
* Prescribe and administer treatment based on previous assessment and diagnosis.
* Provide follow up care of patients by assessing previous patient history by giving medical advice, referring them to other medical practitioners.
* Stay up to date with current medical technology and research.

**Working Conditions**

* Workplace can be in a hospital or a private clinic.
* Would have to interact a lot with patients. A lot of times would have to work with a particular patient over long periods of time.
* Can be emotionally draining as doctors constantly deal with people in their most vulnerable times.
* Would need to collaborate a lot with physician assistants, nurse practitioners, registered nurses, and other health professionals

**Skills Required**

* Compassion
* Interpersonal Skill
* Analytical Skills
* Problem Solving Skills
* Empathy
* Management Skills

**Career progression data**

* Pathways (US) :
  + Earn a bachelor degree in a Pre-Med major like Biology, Biochemistry, and Biomedical Sciences.
  + Take the Medical College Admission Test (MCAT)
  + Apply to and graduate from a medical school with the medical degree of choice. In the senior year of medical school, match with a residency.
  + Complete the residency and pass the Part III Of United States Medical Licensing Examination (USMLE)
  + Earn board certifications in the chosen field/specializations.
  + Get a state medical practice license and finally apply for a job as a doctor
* Pathways (Indonesia) :
  + Earn a bachelor degree in Medical Studies (*Sarjana Kedokteran*)
  + Do a Medical studies Co-op for 1-1.5 years
  + Apply for and receive a license to practice (Surat Izin Praktek)
  + Apply and do a specialist program for 4-6 years to become a specialist.
  + For someone who studied abroad, they would need to go through an adaptation program, competency equalization, ability adjustment and competency test before going to practice in Indonesia.

**Possible University Major**

* Bachelor’s degree in a Pre-Med major like Biology, Biochemistry, and Biomedical Sciences which would be followed by a degree of choice from an accredited medical school.

**School subjects required**

* Biology
* Chemistry
* Maths