How is Electrical and Electronic Engineering connected to Health?

Modern medicine needs sophisticated equipment that is designed and maintained by electrical engineers. Medical scanners, for example, rely on the latest developments in electronics and computing.

In the home, advanced electronics and microfluidic point-of-care devices can assist people with everyday life and with rehabilitation.

Why is Electrical and Electronic Engineering important in Health?

Health services = doctors and nurses, right? Yes, but there are many other professionals who work alongside, including electrical engineers. The knowledge such engineers accumulate in problem solving and making things work is essential to producing and maintaining the array of equipment and methods that modern hospitals and clinics need.

Don't you have to study medicine for a career in the Health Services?

No. There are many careers within the health sector that require other knowledge and this includes knowledge of problem solving, physics, electronics and mathematics; that’s where electrical engineering comes in. Those careers can be in hospitals, in companies making medical equipment, in companies creating software for health support and in medical research laboratories.