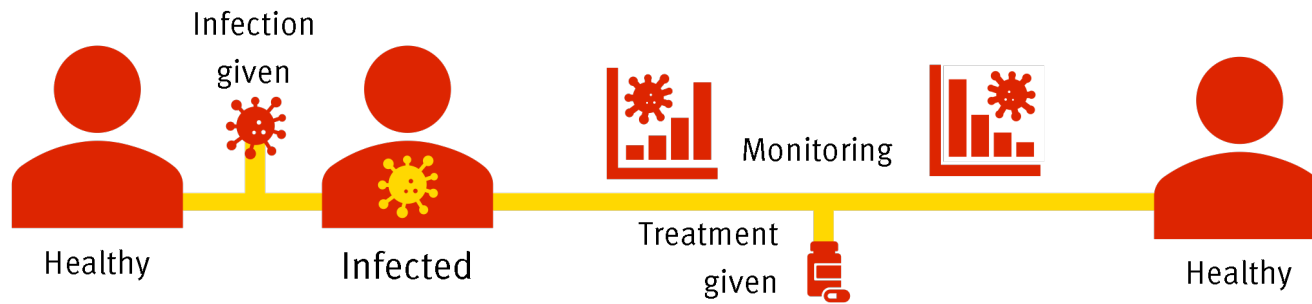


# Deliberately Infecting Volunteers The Human Challenge Programme

**Human Challenge** is a way of doing research in which healthy volunteers are deliberately given an infectious agent. They help researchers to learn more about the infection. The volunteers are carefully monitored throughout the experiment, sometimes in hospital. This kind of study is being used to understand and develop treatments for COVID-19, flu and malaria among others.



## Why is this kind of research important?

- The amount of virus (or other infectious agent) can be accurately measured to see how it changes over the course of infection and the nature of symptoms
- Scientists can control what strain and the amount of infection given.
- Comparing how different volunteers react to the same infection can help explain what type of immunity impacts disease
- These are the best controlled conditions to test how well vaccines/treatments may work.

## How do you think these experts contribute to this work?

Immunologists

Microbiologists

Public health experts

Healthcare staff