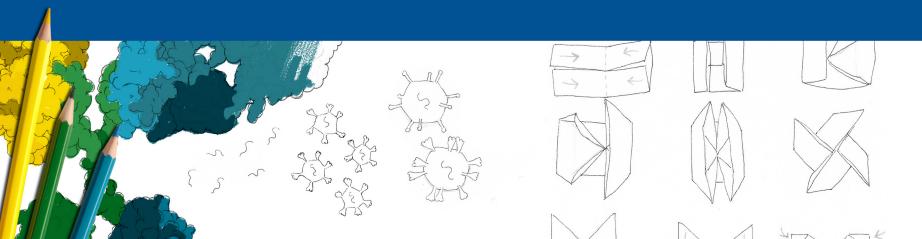
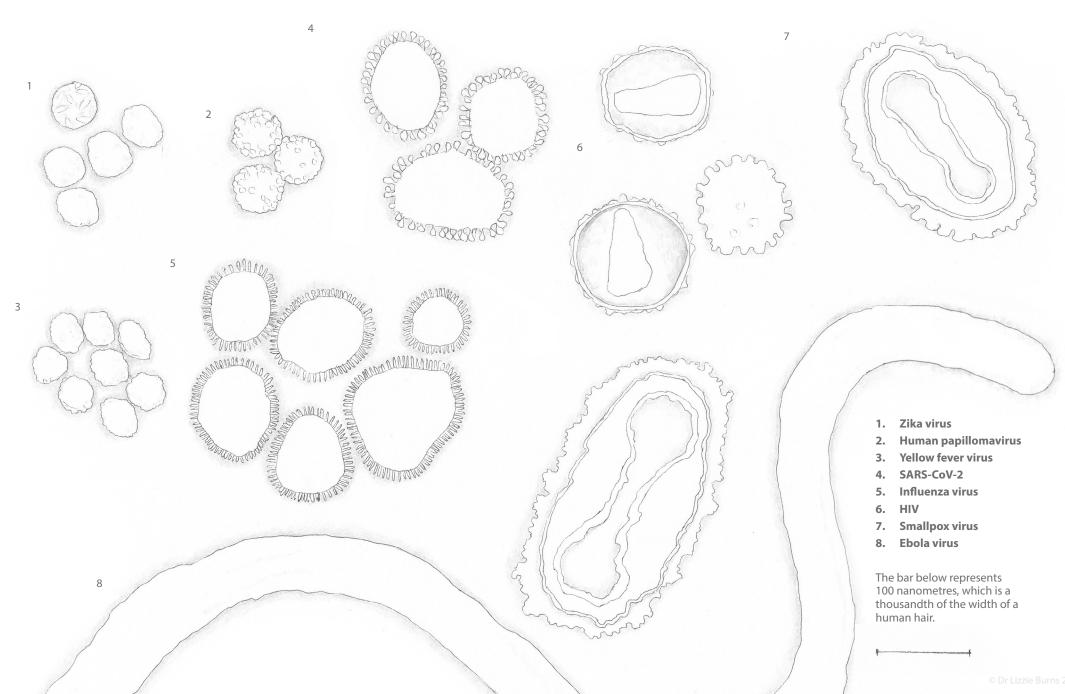


Virus collection





Virus collection





Zika virus

Caught: from mosquito bites

Where: South East Asia, Africa, Americas, Pacific Islands, Caribbean

Symptoms: can be without symptoms; or a skin rash and raised temperature; can be harmful to developing babies in pregnant women

Vaccine: None – but clinical trials are taking place for a possible vaccine



Human papillomavirus (HPV) Types 16 and 18

Caught: from sexual contact

Where: across the world

Symptoms: there are many types of HPV (some cause warts/verrucas); types 16 and 18 can cause development of cervical cancer and some types of head and neck cancer

Vaccine: Yes – for the virus that can cause cervical cancer



Yellow fever virus

Caught: from mosquito bites

Where: tropical areas of Africa, Central and South Americas

Symptoms: can be without symptoms; or fever, muscle pains, nausea; may feel better for 48 hours then unwell again. Approximately 5% can become very ill and develop liver damage (jaundice), bleeding or kidney damage

Vaccine: Yes



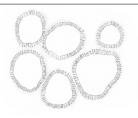
SARS-CoV-2

Caught: from air droplets and touch

Where: across the world

Symptoms: can be without symptoms; or mild with fever, continuous cough and change/loss of smell and taste; or severe leading to breathing difficulty, blood clots, organ damage and death. Some may experience long COVID with symptoms including fatigue

Vaccine: Yes



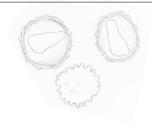
Influenza virus

Caught: from air droplets and touch

Where: across the world

Symptoms: can be without symptoms; or fever, muscle aches, fatigue, headache; or severe leading to death

Vaccine: Yes – as the virus changes, vaccines need updating



HIV

Caught: from contact with infected fluids such as blood; including through sexual contact (not sweat, urine or saliva)

Where: across the world

Symptoms: initial infection can be without symptoms or with sore throat, fever and rash. Without treatment infection severely weakens the immune system and leads to death

Vaccine: None – but effective treatments allow a near-normal life



Smallpox virus

Caught: from air droplets and contact with infected fluids

Where: nowhere anymore

Symptoms: caused pustules across the body and killed around 30% of those who caught it; those who survived were scarred and could lose their sight

Vaccine: Yes – thanks to vaccines, it has been made extinct



Ebola virus

Caught: from contact with blood or body fluids from an infected person

Where: West and Central Africa

Symptoms: causing fever, fatigue and bleeding; severe disease causing death

Vaccine: Yes – two vaccines and thanks to quickly isolating areas, epidemics were brought under control