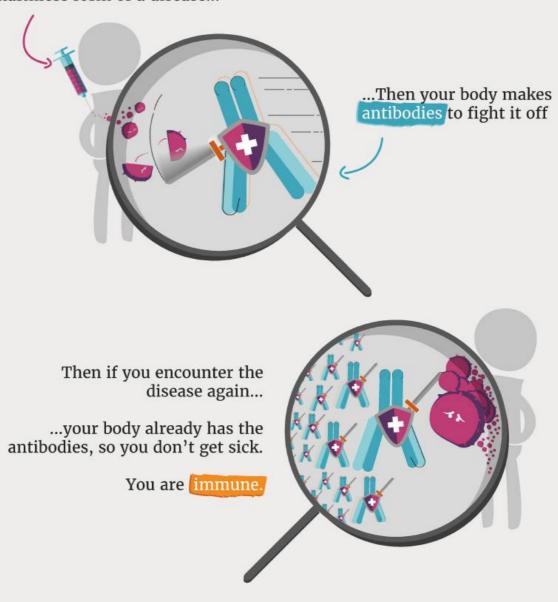
How do vaccines work?

Vaccination is the safest way to protect your child against an infectious disease.
Once your child has been vaccinated, they should have **immunity** to the disease.

You are given a small amount of a harmless form of a disease...



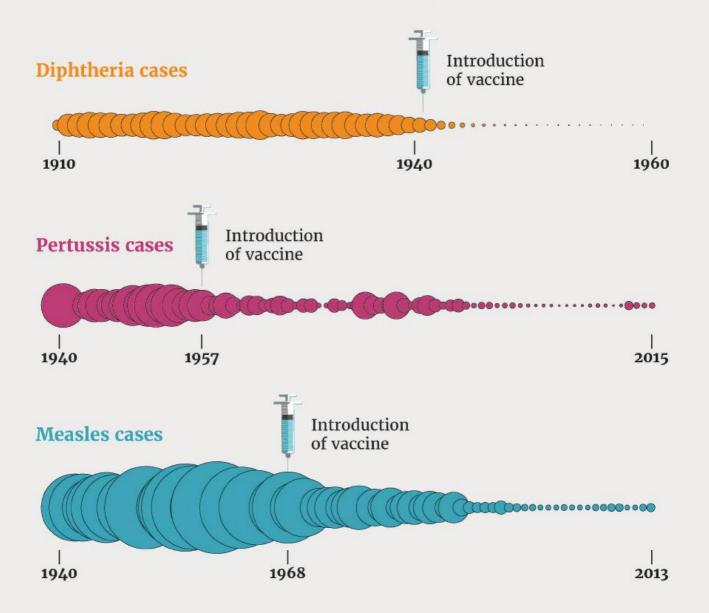




How effective is vaccination?

Vaccines are considered one of our greatest global health achievements and are estimated to save 2-3 million lives a year.

Thanks to vaccines, life-threatening diseases that used to be common in young children in the UK are now relatively rare.

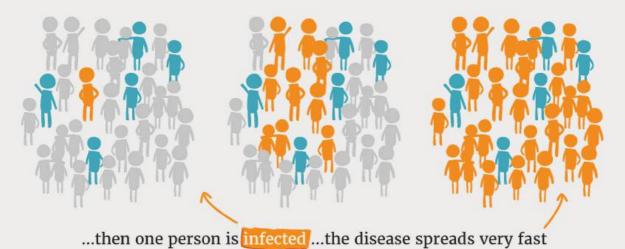






What is 'herd immunity'?

If only a few people are vaccinated ...



But if lots of people are vaccinated ...



...then the disease can't spread very far, so the whole community stays safe.

This is 'herd immunity'







What's in a vaccine?



in drinking water at higher levels.

Water

The main ingredient.

Preservatives and stabilisers

Maintain vaccine quality, safe storage and prevent contamination. Example: Sorbitol; naturally found in fruit in larger amounts.



Residual traces of substances that have been used during vaccine manufacture, measured as parts per million or billion in the final vaccine.

Example: Formaldehyde; naturally found in human body.