

Problem?

1. Resistance to antibiotics is on the rise as foes old and new gain the ability to evade our drugs and spread that ability around
2. 'Big Pharma' not interested in developing antibiotics because of speed at which microbes develop resistance

So what?

Antibiotics produced by microbes against other microbes in natural arms race – likely every form of resistance already exists in nature!

We are in danger of losing the battle against infectious microbes

(In a boxing match with Mohammad Ali with both hands tied behind your back)

They don't care who you are!
Already responsible for 1 in 4 deaths worldwide – 14M/yr

Treating them a huge cost to society both in terms of money & lost productivity

Without antibiotics you can kiss goodbye to routine surgery & treating cancer

Solutions?

1. Preserve antibiotics we already have – agriculture/hospitals
2. Get our kids vaccinated if available!
3. We need to be developing new antibiotics and vaccines
4. We need to be thinking of new approaches to treating infectious diseases

Benefits?

Stop a return to the pre-antibiotic era where infectious diseases were often fatal instead of an inconvenience