

WE WORK TOGETHER TO FIGHT ANTIBIOTIC RESISTANCE

KEEPING EUROPEANS HEALTHY

European Medicines Agency (EMA)

European Centre for Disease Prevention and Control (ECDC)

European Food Safety Authority (EFSA)

European Environment Agency (EEA)

Together we keep Europeans healthy by ensuring antibiotics remain effective.

ANTIBIOTIC RESISTANCE

More and more bacteria are becoming **resistant to antibiotics**.



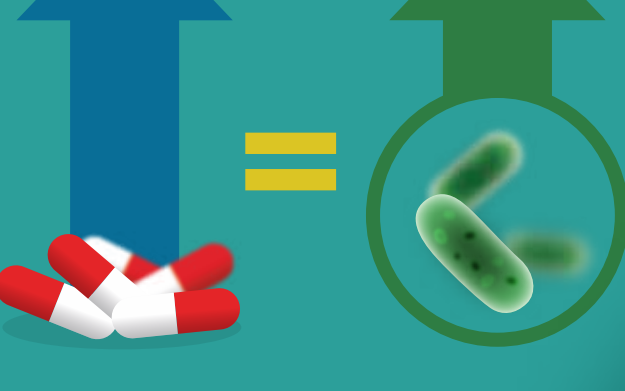
Existing antibiotics may become **ineffective**, and there are **few new antibiotics** entering the market, posing a **serious risk to public health**.



WE TURN DATA INTO EVIDENCE FOR RATIONAL POLICYMAKING

Our information feeds into the European Commission's **action plan** to **tackle antibiotic resistance** in Europe and across the world.

Our work has helped to **confirm**:



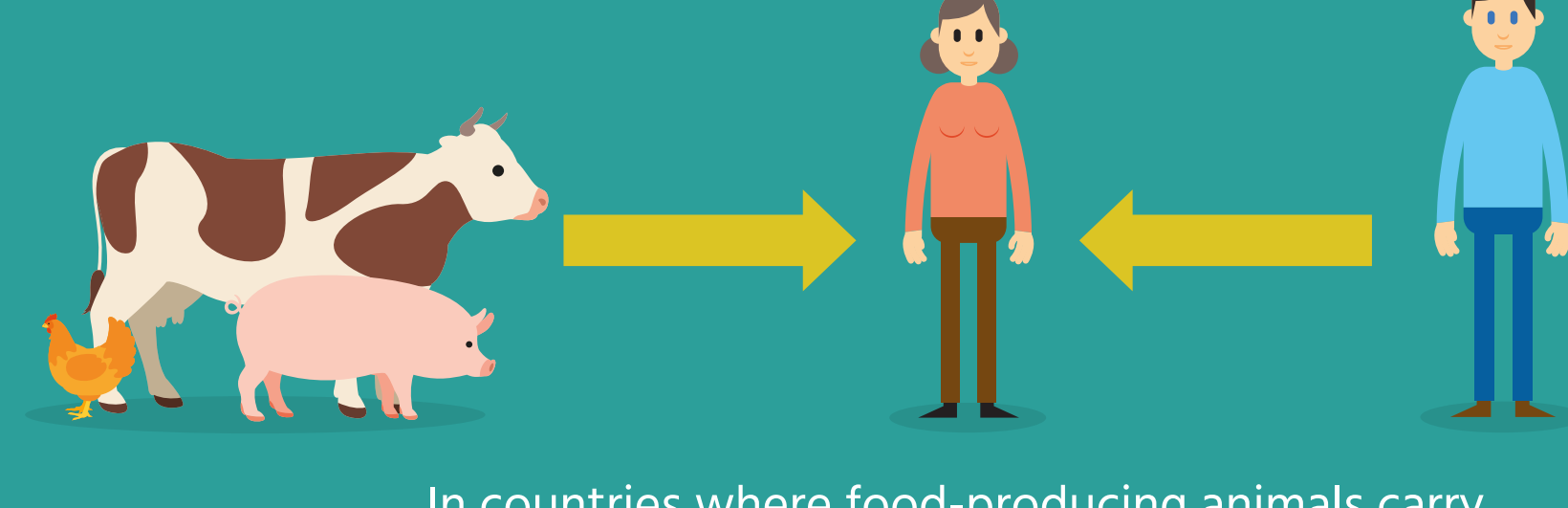
An increase in **antibiotics use** = increase in **resistant bacteria**.



There are **important differences** between EU countries in the amount of antibiotics people and animals consume.

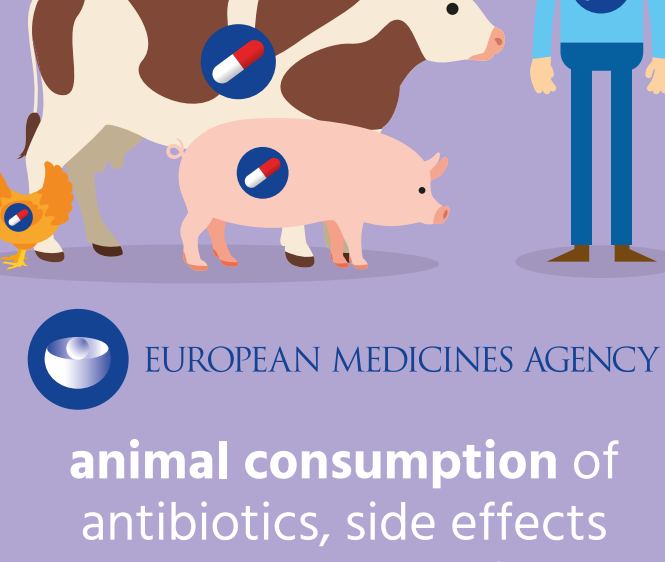


Antibiotic resistance can spread from **animals to people**, e.g. via food, and from **person to person**.

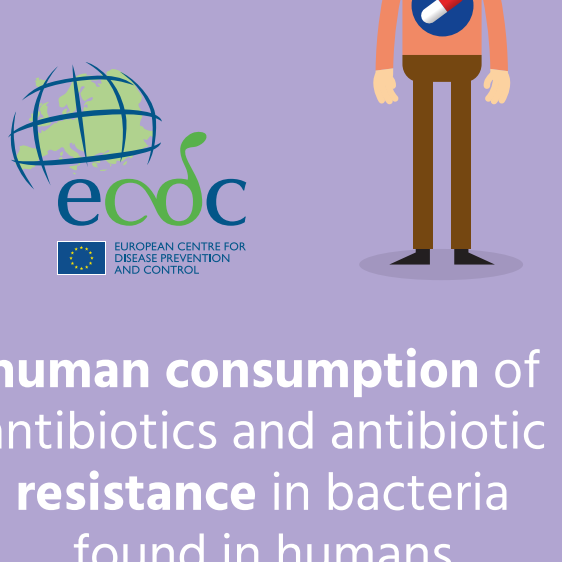


In countries where food-producing animals carry **Salmonella** or **Campylobacter** bacteria that are resistant to antibiotics, these antibiotic-resistant bacteria can be **passed to people through food**.

WHO MONITORS WHAT?



animal consumption of antibiotics, side effects in **humans and animals** and development of **new antibiotics**



human consumption of antibiotics and antibiotic **resistance** in bacteria found in humans



antibiotic **resistance** in bacteria found in **food-producing animals** and **food** for humans



environmental residues of pharmaceuticals, which include antibiotics

Where?

32 European countries

How?

The agencies **pool** the data, **monitor** and **analyse** the information. This work provides a **Europe-wide overview**.

WE SUPPORT RESEARCH AND INNOVATION

We encourage the development of:



new vaccines to prevent infections

new antibiotics and **alternative treatment approaches**

better understanding of how resistance is transmitted in the **environment**



new ways to diagnose infections

training for farmers



advanced animal husbandry practices

HOW DO YOU FIT IN?

ONE HEALTH



healthcare professionals and patients – responsible for the prudent use of antibiotics in people

animal health professionals, farmers and pet owners – responsible for the prudent use of antibiotics in animals

EUROPEAN ANTIBIOTIC AWARENESS DAY

A EUROPEAN HEALTH INITIATIVE

18 NOVEMBER EVERY YEAR

Brings EU and international partners together to raise awareness and create change for prudent use of antibiotics.

<http://antibiotic.ecdc.europa.eu>

ECDC

www.ecdc.europa.eu/en/antimicrobial-resistance

EFSA

www.efsa.europa.eu/en/topics/topic/antimicrobial-resistance

EEA

www.eea.europa.eu/themes/human/intro

EMA

www.ema.europa.eu/antimicrobial-resistance

