



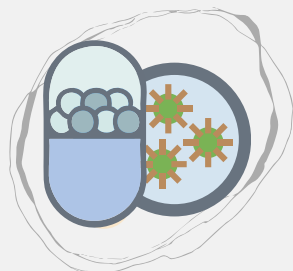
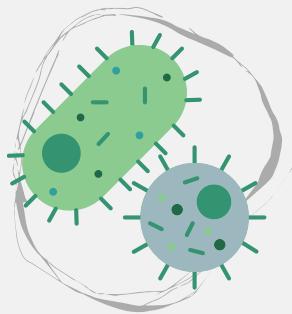
# ANTIMICROBIAL RESISTANCE



## 1 WHAT ARE GERMS, OR "MICROBES"?

Microbes are tiny living things that are found all around us and are too small to be seen by the naked eye, including bacteria, viruses, fungi, and parasites.

Certain microbes (called pathogens) can cause infections in humans, animals, & plants.



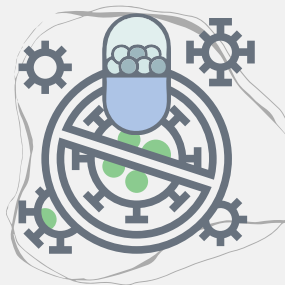
## 2 WHAT ARE ANTIMICROBIALS?

Antimicrobials are drugs used to prevent and treat infections in humans, animals and plants. These types of drugs include antibiotics, antivirals, antifungals and antiparasitics.

## 3 HOW DOES USING ANTIMICROBIALS CAUSE RESISTANCE?

**Antimicrobial (or antibacterial) resistance occurs when bacteria develop the ability to defeat the drugs designed to kill them. That means the germs are not killed and continue to grow.**

Overuse & misuse of antimicrobials contribute to resistance.



## 4 HOW DOES RESISTANCE SPREAD?

To survive, germs develop defense strategies against antibiotics called resistance mechanisms (resulting in changes in their DNA that can get passed to other germs)



### SOURCES

FDC.org, WHO.org, CDC.org  
Visit WesternU's Script Your Future website at  
[tinyurl.com/amcphealthhelper](http://tinyurl.com/amcphealthhelper) for more information

**WHAT'S NEXT?**  
Learn more about  
how we can prevent  
antimicrobial  
resistance!



SCAN ME