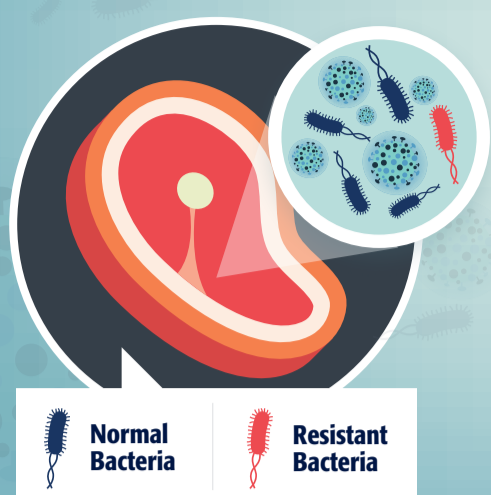


Antibiotics and Food Safety

Overview of Antibiotic Resistance in the U.S.



1 in 5

Resistant infections are caused by germs from food and animals

THAT'S MORE THAN

409,000 ILLNESSES EACH YEAR

By **2050**



One person could die every **3** seconds

if AMR is not tackled **now.**



In addition to costing lives, antibiotic resistance can cost as much as the examples below every year:

Direct Healthcare Costs

\$20,000,000,000*

Economic Costs to Society

\$35,000,000,000*



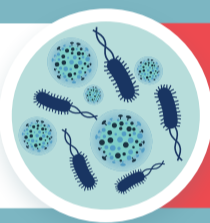
* Estimated Costs

Signature: *[Signature]*

How does resistant bacteria end up in our food?



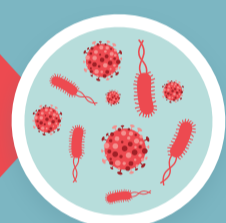
All animals carry bacteria in their intestines.



Giving antibiotics to animals will kill most bacteria.

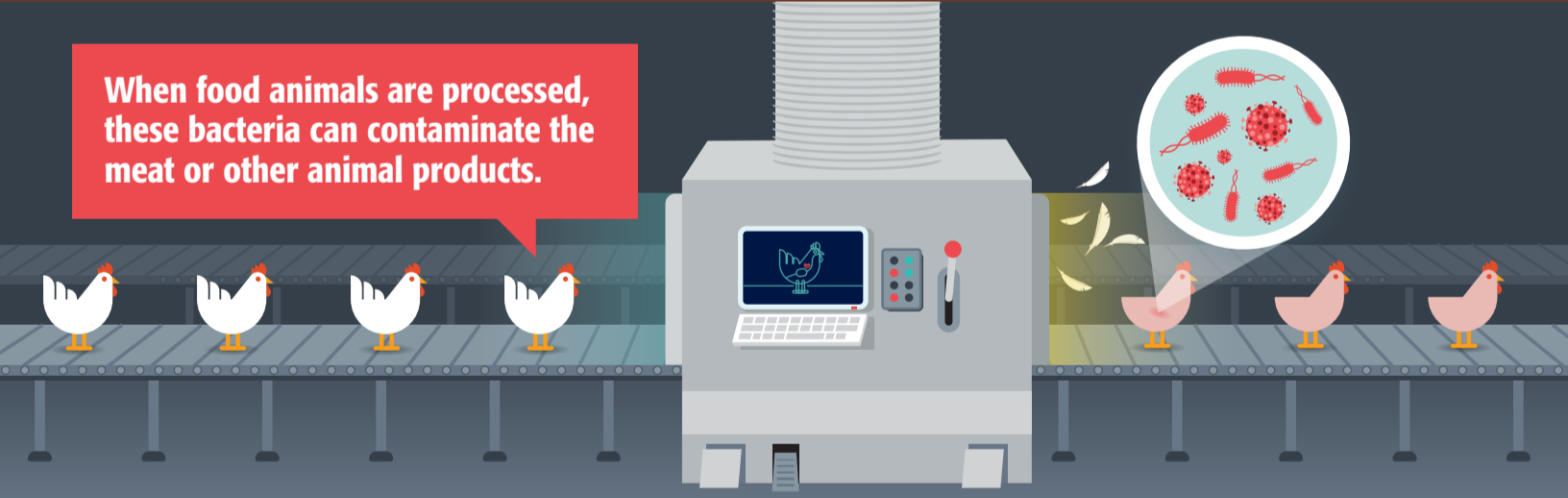


Resistant bacteria can survive and multiply.



Resistant bacteria can get into the environment when an animal defecates and may spread to produce that is irrigated with contaminated water.

When food animals are processed, these bacteria can contaminate the meat or other animal products.



How do people get infections with resistant bacteria from animals?



Handle or eat meat or produce contaminated with resistant bacteria.

Come into contact with the animals' feces.

People with these infections

Tend to incur increased medical expenses



May require increased recovery time



May die from infection



(1) Centers for Disease Control and Prevention (CDC) <http://www.cdc.gov/drugresistance/threat-report-2013/pdf/ar-threats-2013-508.pdf>

(2) U.S. Food & Drug Administration (FDA) <http://www.fda.gov/downloads/AnimalVeterinary/GuidanceComplianceEnforcement/GuidanceforIndustry/UCM299624.pdf>