



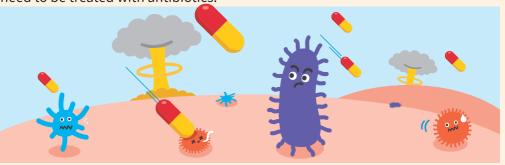




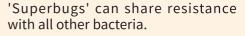
Bacteria are everywhere – in soil, water, plants, animals, people and food. There are 3 types of bacteria from the perspective of food safety:



Disease-causing bacteria cause food poisoning (foodborne diseases) that may need to be treated with antibiotics.



Antibiotics kill most bacteria, but some can survive and gain antimicrobial resistance (AMR). They are known as the 'Superbugs'.







'Superbugs' multiply and spread everywhere.

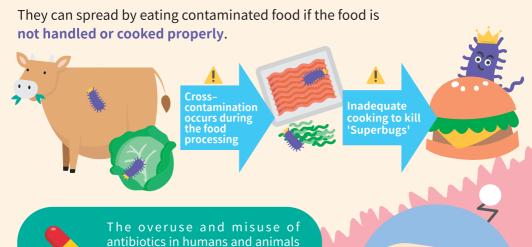


'Superbugs' can live in **food animals**, such as cattle, pig, poultry and fish.



'Superbugs' can spread in the environment, such as through human faeces or animal manure, and contaminate **food plants**, including fruits and vegetables.





leads to emergence of 'Superbugs', which can no longer be treated with antibiotics. People will once again die from common

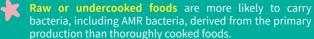
infections.

From food safety aspect, following "the five keys" can reduce the risk of both "superbugs" and foodborne illnesses.

Why important? **Five Keys** Advice(s) Choose Avoid eating raw or undercooked Without heat treatment, food, especially for susceptible raw or undercooked food can contain "superbugs" populations Cook Cooking is effective to kill Cook food thoroughly before "superbugs" in food serving Clean Wash fruits and vegetables before Washing can partially remove "superbugs" from food's eating surface Clean hands and food preparation Prevent cross-contamination areas before handling foods of cooked or ready-to-eat foods with "superbugs" Separate Prevent cross-contamination Store cooked or ready-to-eat foods and raw foods separately of cooked or ready-to-eat foods with "superbugs" Handle cooked or ready-to-eat foods from raw food and raw foods with separate utensils Safe Safe temperatures can Keep cold food cold at 4°C or below and hot food hot over 60°C if not **Temperature** avoid bacterial growth in consumed at once food

What kind of food is riskier?





Susceptible individuals, including pregnant women, infants and young children, the elderly, and people with weakened immunity, are prone to contract foodborne pathogens, including 'Superbugs', by eating raw or undercooked foods, which they should best avoid.









