Antimicrobial Resistance (AMR)

AMR means medicines, especially antibiotics, are not always effective to treat disease

- Every time we use antibiotics, some of the stronger bacteria develop resistance genes.
- Resistance genes allow them to survive treatment with an antibiotic.
- The misuse and overuse of antibiotics accelerates the rate at which resistance develops.
- Major implications for both animal and human health.

The development of resistant bacteria

- A number of bacteria exist, including a few resistant to antibiotics
- The bacteria get treated with an antibiotic, the resistant bacteria survives
- The resistant bacteria multiply and become more common
- Eventually the entire infection evolves into a resistant strain
- What can we do?

**DISEASE PREVENTION**
- Better BIOSECURITY
- Better HUSBANDRY
- Better HOUSING
- Better HEALTH

**ANIMAL HEALTH**
*Vaccinations* reduce the need for antibiotics

If you do need to use antibiotics – follow the 6 Rights!

*Remember* – Healthy animals do not need antibiotics!