Antimicrobial Resistance and Antimicrobial Use in Canada in 2018

- **Clostridiodes difficile (CDI)** infection rates in hospitals have declined by 40%.
- **Vancomycin resistant Enterococci (VRE)** infection rates have increased.
- **Methicillin-resistant Staphylococcus aureus (MRSA)** infections coming from the community have nearly doubled.
- **Neisseria gonorrhoeae** resistance to azithromycin has increased by 53%.

- **11%** The use of antimicrobials in animals has fallen 11%.

- **92%** of antimicrobials are prescribed in the community.
- **20%** go to humans, and **80%** go to animals/crops.

- Prescription rates are rising for Canadians aged 60+ but falling for Canadians aged 0-14.

- Almost half of prescriptions to children are for ear infections.

CARSS integrates and synthesizes information from the Public Health Agency of Canada’s surveillance systems and laboratory services relating to antimicrobial resistance and use.