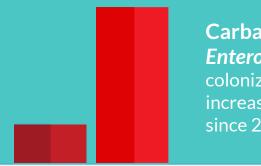
## **CARSS** The Canadian Antimicrobial Resistance Surveillance System



## **Antimicrobial Resistance** and Antimicrobial Use in Canada in 2018

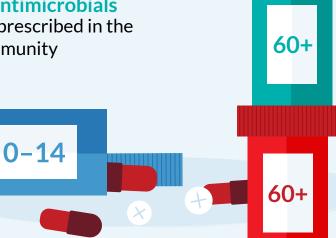


**Carbapenemase-producing** Enterobacteriaceae (CPE) colonization rates have increased nearly 5-fold since 2014

**Clostridiodes difficile (CDI)** infection rates in hospitals have declined by 40%

92% of antimicrobials

are prescribed in the community

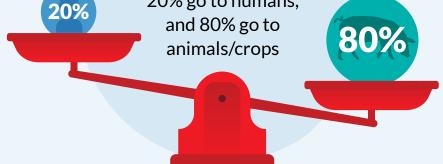


Prescription rates are rising for Canadians aged 60+ but falling for Canadians aged 0-14

Almost half of prescriptions to children are for ear infections

## **Of all** antimicrobials in Canada

20% go to humans, and 80% go to



2017

Vancomycin resistant **Enterococci (VRE)** infection rates have increased



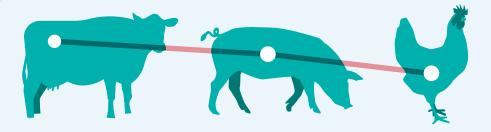
**Methicillin-resistant** Staphylococcus aureus (MRSA) infections coming from the community have nearly doubled

Neisseria gonorrhoeae



resistance to azithromycin has increased by 53%





Public Health Agency of Canada

Agence de la santé publique du Canada

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