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### Antimicrobial Stewardship

Defined as an activity that includes appropriate selection, dosing, route, and duration of antimicrobial therapy. It optimizes the use of antimicrobials to achieve the best patient outcomes, reduce the risk of infections, reduce or stabilize levels of antibiotic resistance, and promote patient safety.

### Goals of Antimicrobial Stewardship in Calgary Zone Long-term Care

1. Ensure infections are managed effectively, with preservation of the value of Antimicrobials
2. Optimize clinical outcomes in Albertans receiving antimicrobials to decrease infection related morbidity and mortality
3. Minimize antimicrobial-related adverse effects, toxicities and promote patient safety
4. Minimize unintended consequences of antimicrobial use, such as selection of antibiotic resistant strains and *Clostridium difficile* infection
5. Integration of antibiogram based resistance data on site and zone basis with utilization data.
6. Determine utility of antibiotics at facility level
7. Reduction of known misuses of antibiotics (e.g. prolonged use of ophthalmic products, treatment of asymptomatic bacteriuria)
8. Decrease in urine collections ordered/collected at LTC facilities
9. Achieve decreased antibiotic utilization without adversely affecting infection, hospitalization, or *Clostridium difficile* rates at LTC facilities.

Long-term Care Formulary

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**AHS Antimicrobial Stewardship Mainpage**

Further information, references and resources are available on the AHS Antimicrobial Stewardship page

[Antimicrobial Stewardship | Alberta Health Services](#)

- Detailed AHS Antimicrobial Stewardship Manual  
<https://www.albertahealthservices.ca/assets/Infofor/hp/if-hp-antimicrobial-stewardship-manual.pdf>