

What is the problem?

50% of antibiotic courses

are unnecessary¹

78%

of residents receive at least one antibiotic course each year²

How are antibiotics overused?

There is variability in prescribing:



Homes with the highest use are using 10x more antibiotics than homes with the lowest use

Prescriber preference is the key reason for differences - not resident characteristics²

Why is this important?

Residents in homes with higher antibiotic use experience more harm:

24%

increased risk of *Clostridium difficile* infection, diarrhea, allergic reactions and antibiotic-resistant organisms³

What can you do?

Practice antibiotic stewardship:



reduce unnecessary antibiotic prescriptions



re-assess the need for antibiotics regularly



use the shortest effective duration possible

Duration of therapy is often longer than

necessary²

blique ario

For more information regarding antimicrobial stewardship: www.publichealthontario.ca/asp

1. Loeb M, Simor AE, Landry L, Walter S, McArthur M, Duffy J, et al. Antibiotic use in Ontario facilities that provide chronic care. J Gen Intern Med. 2001;16:376–83.

2. Daneman N, Gruneir A, Bronskill SE, Newman A, Fischer HD, Rochon PA, et al. Prolonged antibiotic treatment in long-term care: role of the prescriber. JAMA Intern Med. 2013;173(8):673-82.

3. Daneman N, Bronskill SE, Gruneir A, Newman AM, Fischer HD, Rochon PA, et al. Variability in antibiotic use across nursing homes and the risk of antibiotic-related adverse outcomes for individual residents. JAMA Intern Med. 2015;175(8):1331-9.

