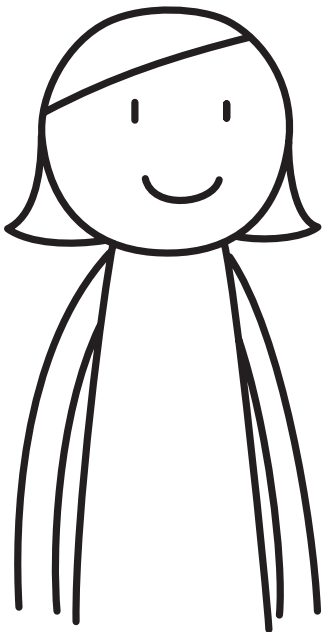


ANTIBIOTIC RESISTANCE AND USE IN CHICKEN

THINGS YOU NEED TO KNOW



You may have heard talk about antibiotics and chicken - and you may have concerns. So do chicken farmers. We're all consumers and we all want to make the best choices for our families.



Are we actually eating antibiotics in chicken?

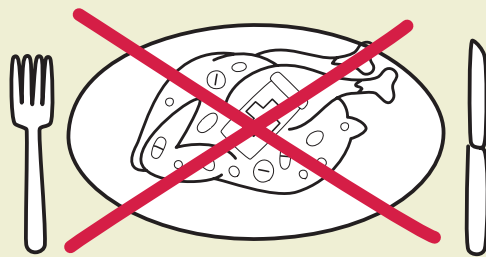


There's a big difference between "residues" and "resistance".

No matter what you hear, remember: when you eat chicken, you're **NOT** eating the antibiotics that it may have been given.

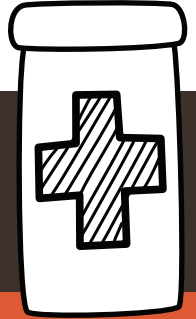
There are strict regulations governing how much time passes between when an animal is last treated with antibiotics and when it is sent to the processing plant. It's called a "withdrawal period" and it ensures that residues aren't in the meat. And it's inspected. And there hasn't been an issue with residues in chicken meat in Canada in decades!

That's it. Chicken is **NOT** "full of antibiotics". Don't let anyone tell you otherwise.



1 Canadian Food Inspection Agency, "National Chemical Residue Monitoring Program, 2014-2015 report," 2015.

What is antibiotic resistance?

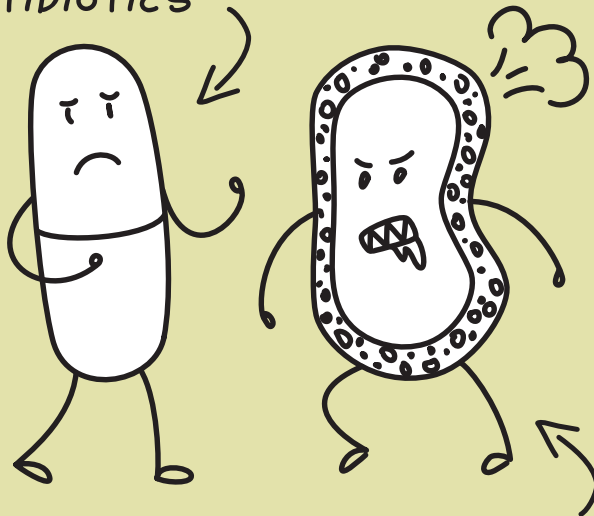


Resistance is when bacteria stop responding, or don't respond as well, to antibiotics. Any antibiotic use, in humans OR animals, can lead to resistance².

Antibiotic resistance

means that a greater number of illnesses are becoming harder to treat.

Antibiotics



Bacteria

The responsibility of resistance issues is shared with both human and animal medicine. For their part, Chicken farmers are implementing a strategy - now - to ensure that antibiotics are used responsibly to protect animal health. The strategy includes four key components:

1. Reduction
2. Surveillance
3. Education
4. Research

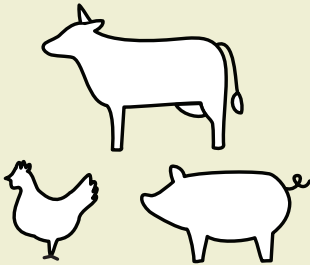
² Canadian Food Inspection Agency. "Antibiotic Resistance Questions and Answers." November 2017. [Online]. Available: <https://bit.ly/2B72424>. [Accessed November 2018].



Can farmers use antibiotics?



YES.



Farmers can use antibiotics in chicken farming to protect the health and welfare of the birds. Antibiotics are given to treat the birds when they are sick, and to prevent them from getting sick in the first place. However...

Antibiotics are not all created equal.

They are categorized according to their importance to human medicine:

Category I	Importance to humans ³
	Very high

Category III	Importance to humans
	Medium

Category II	Importance to humans
	High

Category IV	Importance to humans
	Low Not used for humans

³ Health Canada. "Categorization of Antimicrobial Drugs Based on Importance in Human Medicine." April 2009. [Online]. Available: <https://bit.ly/2LVeTDT>. (Accessed November 2018).



The antibiotics used most often in humans are **not the same** ones used most often in chicken production.

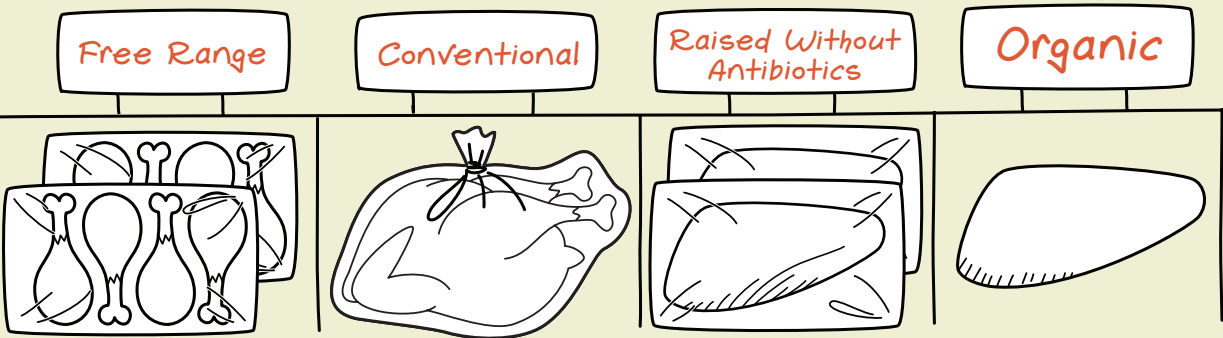
In fact, nearly **60%** of all the antibiotics used in chicken production are not used in human medicine⁴. And farmers are working to reduce overall use. For example, **the chicken industry has banned the preventative use of Category I and II antibiotics.**



It's a big step - and there are more to come.

You have choices.

Canadian chicken is available to consumers in a wide variety - so you can always make the choice you're most comfortable with.



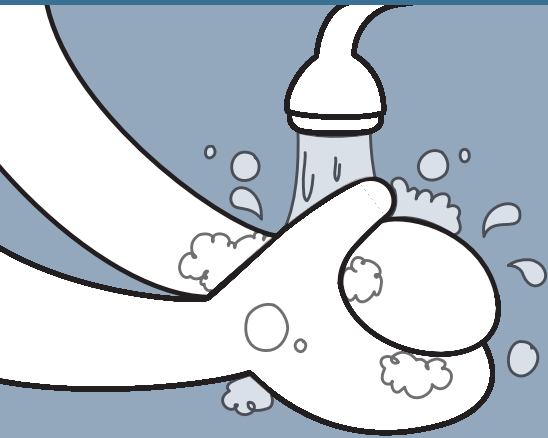
⁴ A. Agunos, D. Léger, C. Carson, S. Gow, A. Bosman, R. Irwin and R. Reid-Smith. "Antimicrobial use surveillance in broiler chicken flocks in Canada, 2013-2015." PlosOne, vol. 12, no. 6, 2017.



No matter what type of chicken you buy, your role is important.

Good practices in your kitchen can reduce your risk of contamination by any bacteria – resistant or not. Just follow the rules you've always known.

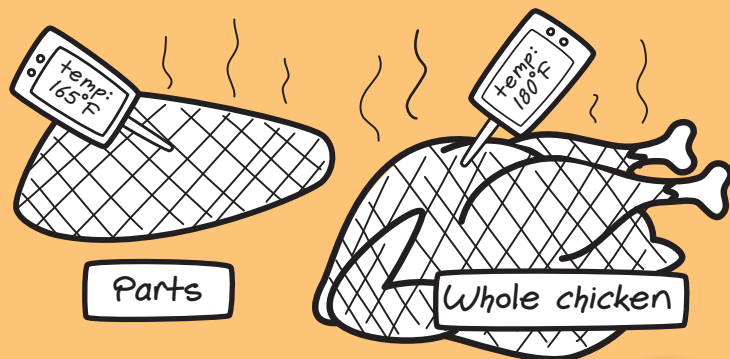
Clean: Wash hands and surfaces often (use soapy water).



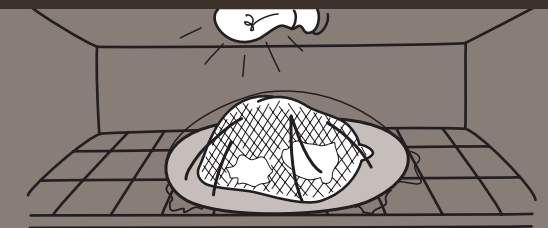
Separate: Don't cross-contaminate (keep raw chicken away from other foods and use separate cutting boards).




Cook: Cook to proper temperatures 180°F (82°C) for whole chicken and 165°F (74°C) for parts.



Chill: Refrigerate promptly.

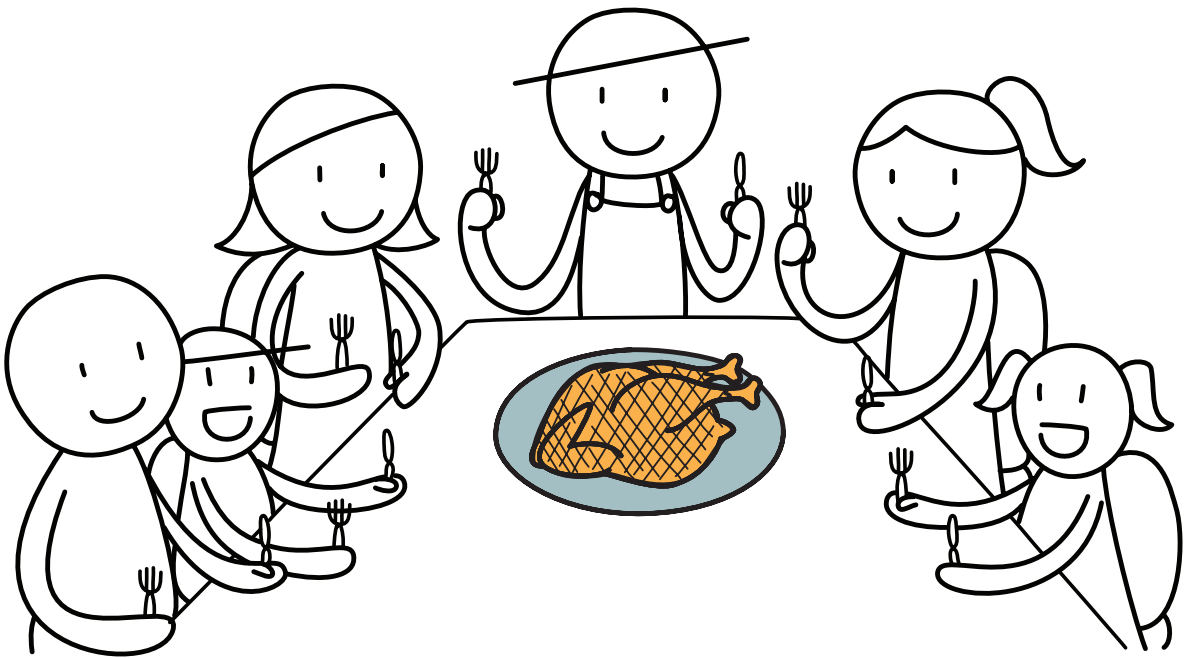




You'd be surprised to learn just how stringent the rules and regulations for chickens raised in Canada really are.



Farmers are proud to raise the chicken Canadians trust. And they are proud to serve this chicken to their own families.



Ask a farmer - know the facts.
Learn more at www.letstalkchicken.ca



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CANADIAN
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Chicken Farmers
of Canada
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