

The Canadian Integrated Program for Antimicrobial Resistance Surveillance (CIPARS)

The Canadian Integrated Program for Antimicrobial Resistance Surveillance (CIPARS) is a national integrated surveillance program that collects, analyzes, and communicates trends in antimicrobial use (AMU) and antimicrobial resistance (AMR) along the food chain, from food animals, retail meat, and people across Canada.

This year, **2022** marks **20 years** of excellence in providing **antimicrobial resistance** and **antimicrobial use** surveillance data.



O Key points

CIPARS surveillance data identified a concerning trend, which led to government action (label warnings), a voluntary industry intervention and actions in another country

The reduction in ceftiofur use and associated decrease in ceftriaxone resistance compared to pre-2014 data in chickens and humans is a good example of a successful intervention to limit antimicrobial resistance

Low level ceftriaxone resistance remains despite reduction in antimicrobial use, possibly caused by some bacteria and serovars maintaining resistance genes

A change in antimicrobial use, even with those of lesser importance to human medicine, may result in a shift in resistance trends

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