## Antimicrobial Usage and Vaccine Usage in Canadian Beef Calves

In 2020, 146 cow-calf herds from across Canada reported their antimicrobial usage (AMU)<sup>1</sup>. In 2020, vaccine usage was studied in 131 herds. Median size of herds was approximately 130 cows<sup>2</sup>

## **Respiratory Disease**

AMs Used:

florfenicol (**60%** of herds), tulathromycin (**20%**),and oxytetracycline (**12%**),



## **AMU Frequency:**

of herds reported AMU in calves for respiratory disease

Less than **5%** of calves were treated in **79%** of herds

56% of herds vaccinated nursing calves for *Mannheimia hemolytica*18% for *Pasteurella multocida*40% for *Histophilus somni*

Navel III

AMs used:

florfenicol (32% of herds), oxytetracycline (12%),

and benzylpenicillin procaine (8.2%)

**AMU Frequency:** 

of herds used for navel ill

less than 5% of calves were

treated in 88% of herds



## Conclusions

The high proportion of herds treating bacterial navel infections and joint infections suggests potential for reducing crowding and fecal contamination of calving and nursery areas.

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