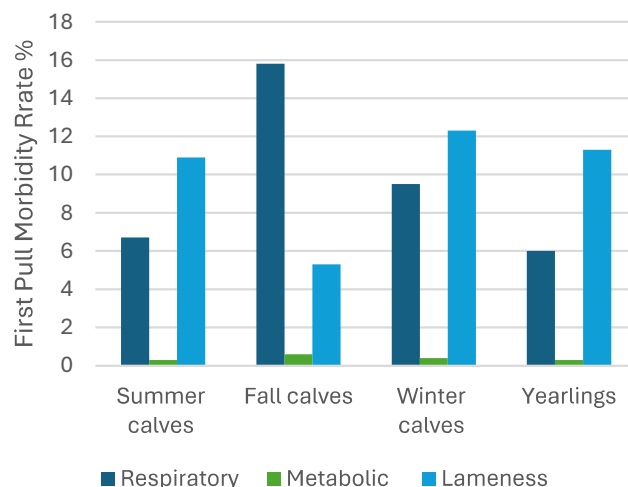


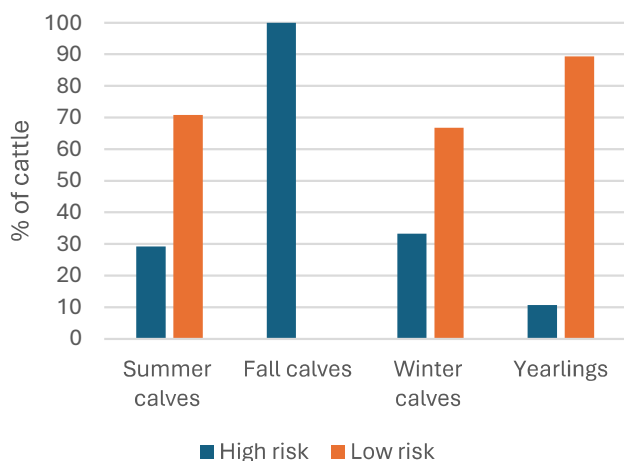
Alberta Feedlot Animal Health & Welfare Surveillance System – 2019 Morbidity Rates

- Feedlot morbidity data for the first clinical diagnosis of disease made by feedlot animal health crews were available from 120,782 cattle from 405 closed production lots in 11 feedlots
- Respiratory morbidity included first pulls for bovine respiratory disease (BRD) and atypical interstitial pneumonia (AIP)
- Metabolic morbidity included first pulls for gas bloat, frothy bloat, grain overload, and caudal vena cava thrombosis
- Lameness morbidity included first pulls for foot rot, toe abscesses (P3 necrosis), arthritis, digital dermatitis (hairy heel warts), and laminitis (founder)
- Respiratory first pull morbidity rates were 9.8%, metabolic were 0.4%, and lameness were 9.2%
- On arrival, 47.2% of the cattle were high risk for BRD and 52.8% were low risk
- Summer calves arrived May-Aug, fall calves Sept-Dec, winter calves Jan-Apr

First Pull Morbidity Rates by Syndromic Category

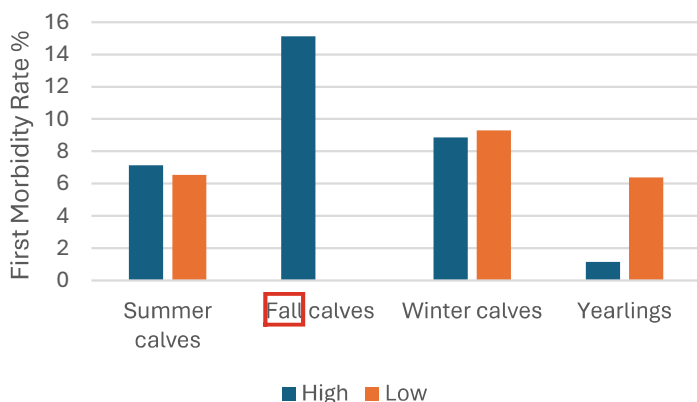


Incoming BRD Risk by Type of Cattle

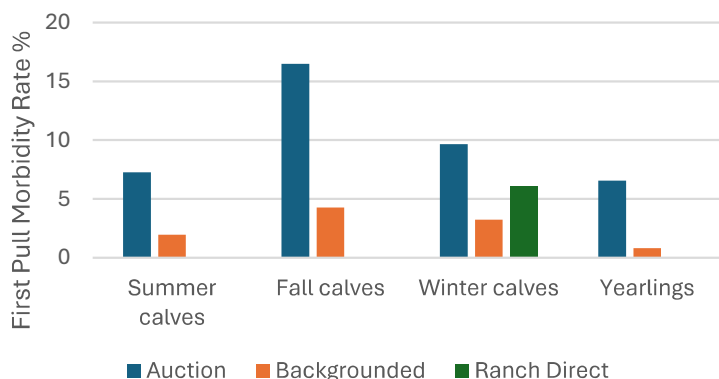


- Cattle identified on arrival as high risk for BRD had a 12.5% respiratory first pull morbidity rate, whereas those identified on arrival as low risk for BRD had a 7.5% respiratory first pull morbidity rate
- Respiratory first pull morbidity rates varied by source: 10.7% in auction market cattle, 2.6% in backgrounded cattle, 0.9% in ranch-direct cattle, and 6.8% in mixed lots of cattle from multiple sources
- As days on feed (DOF) decreased, respiratory first pull morbidity rates decreased from 12.5% in cattle ≥ 240 DOF, 9.8% in cattle 151-240 DOF, and 2.1% in cattle ≤ 150 DOF
- Beef cattle had a 9.9% respiratory first pull morbidity rate and dairy cattle a 7.2% rate
- Steers had a 12.6% respiratory first pull morbidity rate and heifers a 6.6% rate

Respiratory First Pull Morbidity Rates by Incoming BRD Risk



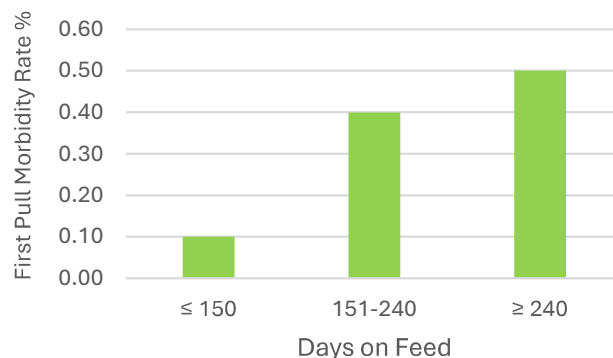
Respiratory First Pull Morbidity Rates by Source



Alberta Feedlot Animal Health & Welfare Surveillance System – 2019 Morbidity Rates

- Metabolic first pull morbidity rates varied slightly by type of cattle: 0.30% in summer-placed calves, 0.60% in fall-placed calves, 0.40% in winter-placed calves, and 0.30% in yearlings
- Beef cattle had a 0.40% metabolic first pull morbidity rate and dairy a 0% rate, but there were few dairy cattle on feed
- Auction market cattle had a 0.40% metabolic first pull morbidity rate, backgrounded cattle a 0.20% rate, and ranch-direct cattle a 0% rate but there were few ranch direct cattle. Mixed lots of cattle from multiple sources had a 0.40% metabolic first pull morbidity rate
- Metabolic first pull morbidity rates were 0.10% for cattle ≤ 150 DOF, 0.40% for 151-240 DOF, and 0.50% for ≥ 240 DOF
- Steers had a 0.50% metabolic first pull morbidity rate, heifers a 0.30% rate

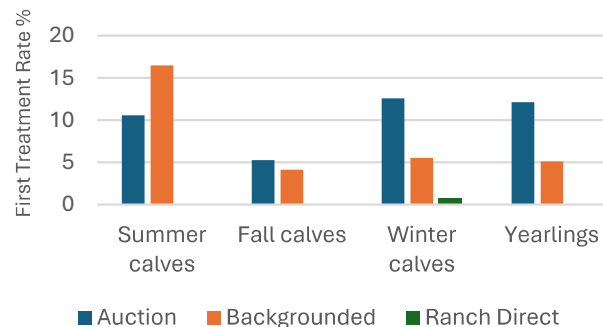
Metabolic Disease First Pull Morbidity Rates by Days on Feed



Metabolic morbidity included 1st pulls for gas bloat, frothy bloat, grain overload, and caudal vena cava thrombosis, a sequela of grain overload

- Lameness first pull morbidity rates were 10.9% for summer-placed calves, 5.1% for fall-placed calves, 11.6% for winter-placed calves, 11.3% for yearlings, and 2.4% for mixed lots of cattle
- Beef cattle had a 9.2% lameness first pull morbidity rate and dairy cattle an 8.1% rate
- Auction market cattle had a 9.9% lameness first pull morbidity rate, backgrounded cattle a 5.0% rate, and ranch-direct a 0.5% rate. There were very few ranch direct calves. Mixed lots of cattle from multiple sources had a 3.0% lameness first pull morbidity rate
- Steers had a 10.1% lameness first pull morbidity rate and heifers an 8.1% rate

Lameness First Pull Morbidity Rates by Source of Cattle



Lameness morbidity included first pulls for foot rot, digital dermatitis (hairy heel warts), toe abscesses, arthritis, and laminitis (founder)

LEARN MORE ABOUT THE ALBERTA FEEDLOT ANIMAL HEALTH & WELFARE SURVEILLANCE SYSTEM ON OUR WEBSITE

<https://cfaasp.ca/alberta-feedlot-health-and-welfare-surveillance-system>

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RESISTANCE SURVEILLANCE PROGRAM (CFAASP)



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