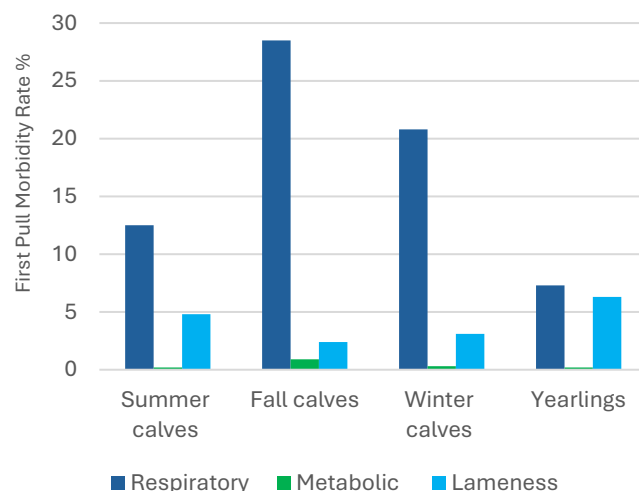


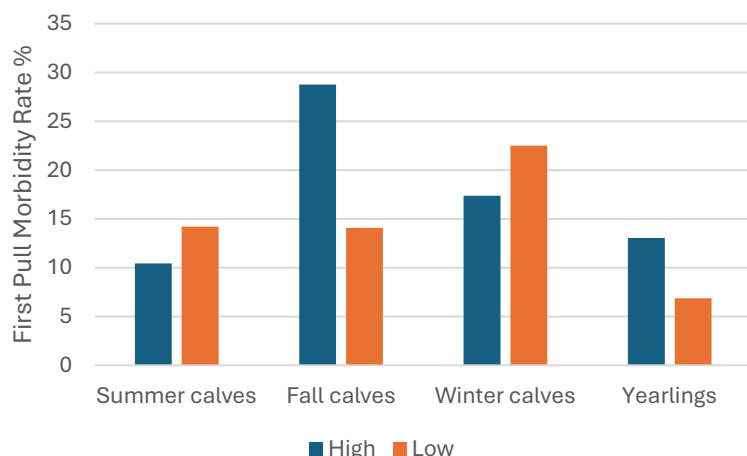
Alberta Feedlot Animal Health & Welfare Surveillance System – 2022 Morbidity Rates

- Feedlot morbidity data for the first clinical diagnosis of disease made by feedlot animal health crews were available from 137,509 cattle from 407 closed production lots in 17 feedlots
- Summer calves arrived May-Aug, fall calves Sept-Dec, winter calves Jan-Apr
- 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 16.0%, metabolic were 0.4%, and lameness were 4.5%

First Pull Morbidity Rates by Syndromic Category

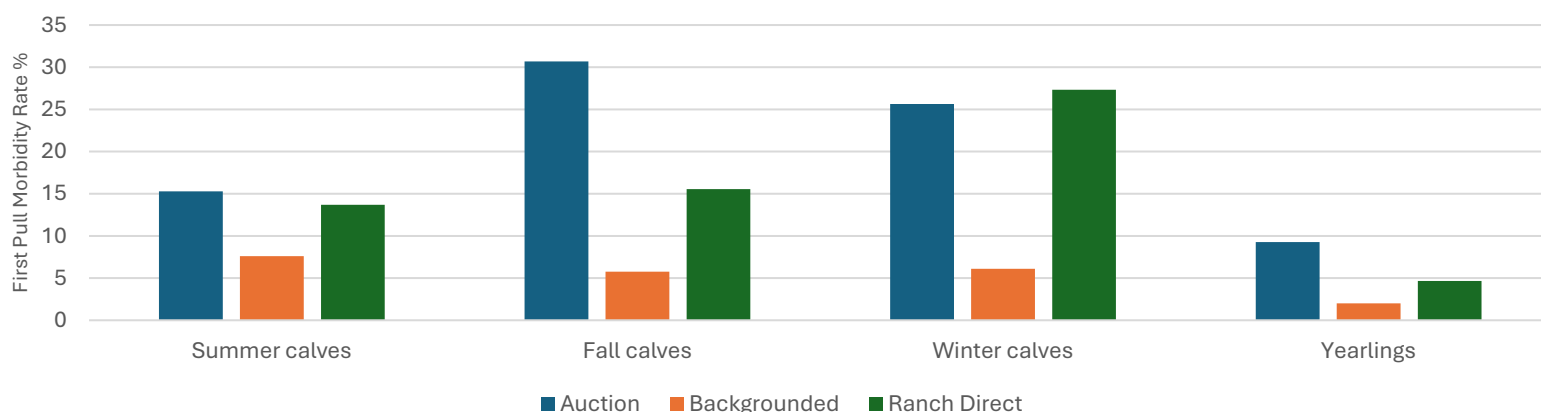


Respiratory First Pull Morbidity Rates by Incoming BRD Risk



- Cattle identified on arrival as high risk for BRD had a 24.1% respiratory first pull morbidity rate, whereas those identified on arrival as low risk for BRD had a 10.4% respiratory first pull morbidity rate
- Respiratory first pull morbidity rates varied by source: 19.4% in auction market cattle, 4.9% in backgrounded cattle, and 12.3% in ranch-direct cattle
- As days on feed (DOF) decreased, respiratory first pull morbidity rates decreased from 23.7% in cattle $\geq$ 240 DOF, 14.0% in cattle 151-240 DOF, and 2.0% in cattle $\leq$ 150 DOF
- Steers had a 18.9% respiratory first pull morbidity rate and heifers a 11.9% rate

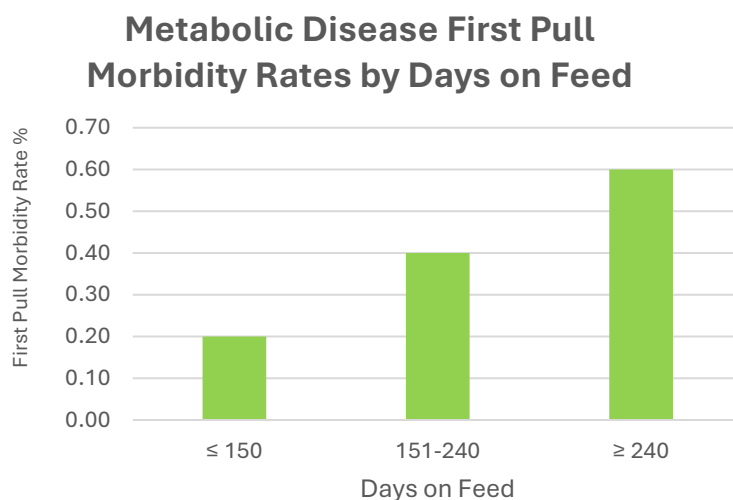
Respiratory First Pull Morbidity Rates by Source



Note: small numbers of ranch direct calves

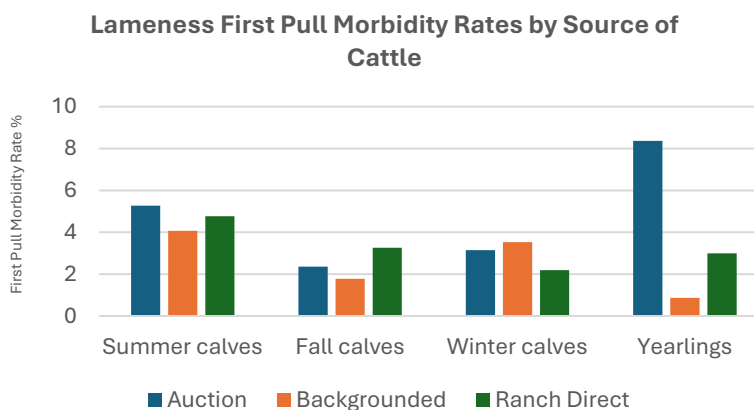
Alberta Feedlot Animal Health & Welfare Surveillance System – 2022 Morbidity Rates

- Metabolic first pull morbidity rates varied slightly by type of cattle: 0.2% in summer-placed calves, 0.9% in fall-placed calves, 0.3% in winter-placed calves, and 0.2% in yearlings
- Auction market cattle had a 0.5% metabolic first pull morbidity rate, backgrounded cattle a 0.4% rate, ranch-direct cattle a 0.2% rate, and mixed lots of cattle a 0.5% rate
- Metabolic first pull morbidity rates were 0.2% for cattle ≤ 150 DOF, 0.4% for 151-240 DOF, and 0.6% for ≥ 240 DOF
- Steers had a 0.6% metabolic first pull morbidity rate, heifers a 0.3% rate



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 4.8% for summer-placed calves, 2.4% for fall-placed calves, 3.1% for winter-placed calves, and 6.3% for yearlings
- Auction market cattle had an 5.3% lameness first pull morbidity rate, backgrounded cattle a 2.5% rate, and ranch-direct a 3.0% rate
- Steers had a 3.9% lameness first pull morbidity rate and heifers a 5.3% rate
- Lameness pull rates were 3.9% in ≤ 150 DOF cattle, 5.4% in 151-240 DOF cattle, 2.8% in ≥ 240 DOF



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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