

**Supplemental tables 11a, 11b:**

## **The Canadian Cow-calf Surveillance Network – Productivity and Health Data 2018 to 2022**

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**Table S11a.** Reproductive indices for comparison from **herds from Western Canada** for 2019 to 2022 and 2014 to 2017 (*previously reported in (19) and reproduced with permission from open access source*).

Herd Summary Statistics	Percent of females not pregnant when tested (2014-2017)		Percent of females not pregnant when tested (2019-2022)		Abortion cumulative incidence (2014-2017)		Abortion cumulative incidence (2019-2022)	
	<i>Cows</i>	<i>Heifers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Cows</i>	<i>Heifers</i>
Mean	6.8%	9.7%	7.5%	10.5%	0.8%	1.3%	1.5%	3.0%
SD*	3.4%	8.2%	4.8%	9.8%	0.9%	2.3%	1.7%	9.4%
5 <sup>th</sup> percentile	2.2%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%
25 <sup>th</sup> percentile	4.3%	4.2%	4.1%	4.2%	0.0%	0.0%	0.6%	0.0%
Median	6.2%	8.3%	6.8%	8.3%	0.7%	0.0%	1.1%	0.0%
75 <sup>th</sup> percentile	8.9%	12.9%	9.9%	13.8%	1.2%	2.1%	2.1%	3.5%
95 <sup>th</sup> percentile	12.8%	24.1%	16.8%	30.6%	2.6%	5.6%	4.4%	9.2%
Observations	276	270	340	318	353	338	373	355
Number of herds	94	90	108	106	105	104	112	110

\*Standard deviation

**Table S11b.** Reproductive indices for comparison from **herds from Western Canada** for 2019 to 2022 and 2014 to 2017 (*previously reported (19) and reproduced with permission from open access source*).

Herd Summary Statistics	Cumulative incidence of calf death from birth – 24 hours (2014-2017)		Cumulative incidence of calf death from birth – 24 hours (2019-2022)		Cumulative incidence of calf death from 24 hours to weaning (2014-2017)		Cumulative incidence of calf death from 24 hours to weaning (2019-2022)	
	<i>Cows</i>	<i>Heifers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Cows</i>	<i>Heifers</i>
Mean	2.1%	3.6%	2.1%	3.7%	2.5%	2.9%	3.4%	4.9%
SD*	1.6%	4.5%	1.7%	4.3%	2.4%	3.9%	3.1%	7.7%
5 <sup>th</sup> percentile	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25 <sup>th</sup> percentile	1.0%	0.0%	1.0%	0.0%	1.1%	0.0%	1.5%	0.0%
Median	1.8%	2.6%	1.8%	2.8%	1.9%	1.5%	2.7%	2.9%
75 <sup>th</sup> percentile	2.8%	5.3%	3.1%	5.7%	3.3%	4.6%	4.4%	6.9%
95 <sup>th</sup> percentile	4.8%	11.5%	5.3%	11.1%	6.9%	10.4%	9.4%	17.6%
Observations	359	345	378	358	350	332	364	329
Number of herds	105	105	114	112	105	105	112	108

\*Standard deviation