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**-Are you a member of ADSA-ASAS? yes****Member ID#** 73376**-Is this an invited abstract?****Abstract & Author Information****The economic impact of five dairy cattle clinical diseases as measured by the correlation between Lactational incidence risk and the income over feed cost in Wisconsin dairy herds**

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The objective of the study is to show the reduction in profit associated with herd level disease. The association between the lactational incidence risk (LIR) of five production diseases and the income over feed cost (IOFC) is being established in 30 Wisconsin dairy herds. The studied diseases are: (1) milk fever, (2) retained placenta, (3) displaced abomasum, (4) clinical ketosis, and (5) ovarian cyst. The incidences of these diseases is monthly calculated using standardized definitions to report cases. The IOFC is calculated for each herd according to DHI production records, milk check prices and feed costs reported by the producers. The IOFC is regressed against the LIR of the diseases to obtain the economical losses associated to each of the studied diseases. Preliminary results are showing that the LIR of the diseases found in this study are inside the LIR ranges previously reported in the literature, with exception of displaced abomasum, which seems to be higher than previously reported. Results are suggesting that the 2 most economically important diseases impacting the IOFC are clinical ketosis and displaced abomasum. Inferences from our regression models are indicating that 1% of LIR increase is associated with \$0.15/cow/day and \$0.08/cow/day of IOFC losses for clinical ketosis and displaced abomasum, respectively.

**KEYWORDS**

disease economic impact  
production disease  
profitability measurement

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