## Dec 8, 2023 | [MSTF Meeting](https://www.google.com/calendar/event?eid=XzYwcTMwYzFnNjBvMzBlMWk2MG80YWMxZzYwcmo4Z3BsODhyajJjMWg4NHMzNGg5ZzYwczMwYzFnNjBvMzBjMWc2OHNrMmdoazg0cDRhZWEyNjhxNDhnOWc2NG8zMGMxZzYwbzMwYzFnNjBvMzBjMWc2MG8zMmMxZzYwbzMwYzFnNjEzM2VkaTQ2MHAzNmUyMThkMGowY2hrODhzamNkYTU4OTEzNmdwajhncmplZWE1ODhvMCBrcmlzdGVuLmdhZGRpc0B1c2NkY2IuY29t)

Attendees: [Miles, Asha - ARS](mailto:asha.miles@usda.gov) [Jbew](mailto:jbewley@holstein.com) [Joao Durr](mailto:joao.durr@uscdcb.com) [Jay Weiker](mailto:jweiker@naab-css.org) [Kristen Gaddis](mailto:kristen.gaddis@uscdcb.com) [lworden@holstein.com](mailto:lworden@holstein.com) [Robert Fourdraine](mailto:rhfourdr@ncsu.edu) [Sophie Eaglen](mailto:seaglen@naab-css.org) [Jeffrey Bewley](mailto:jeffreymbewley@outlook.com) [Steve Sievert](mailto:sjsievert@dhia.org)

Notes

* Go over MSTF report to the board
  + Avg\_all - all milkings throughout a lactation (~23k cows)
  + Avg\_TD - average milking speed only on test days (~22k cows)
  + Avg\_all\_P1 - Avg\_all value but only for primiparous cows (~6k cows?)
  + Avg\_TD\_P1 - test day averages but only for primiparous cows - heritability has large jump in standard error for this subset
  + Genetic correlations across the different traits are quite high
  + Weightings for partial lactations?
  + Minimum number of days or minimum number of tests before data can be used?
    - Minimum 6 test days was potentially used?
  + Is there any point in only using first lactation data?
    - Check what the impact of parity was
  + Check phenotypic and genetic trends
    - 1st parity animals may be exhibiting a different trait, especially if the udder is not yet mature
  + Bivariate model with first vs. later parities to estimate genetic correlation
  + Holstein only, conventional milking, milking frequency was fixed effect
    - No correction for age at first calving yet → might be worth seeing if we need to include
  + Avg\_all data with 772 bulls having minimum 50% REL → correlation with NM = 0.07
  + Data format to send these data?
    - New data format? - Format 8
    - Recommend getting individual milkings instead of any averages
  + How do we expect will submit data? - DRPCs
  + Include OEM code based on what ICAR is proposing – Steve/Robert
  + Since this is a new format, we could just use JSON right from the beginning
    - Are other DRPCs ready to use this?
    - This could be a good first step or pilot for the new system
* Milking speed relation to mastitis? – Robert
  + Need to figure this out before having a genetic evaluation
  + Jana is working on this next

Action items