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

Attendees: Miles, Asha - ARS Jbew Joao Durr Jay Weiker Kristen Gaddis lworden@holstein.com Robert Fourdraine Sophie Eaglen Jeffrey Bewley Steve Sievert

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