



Morrison Swine Health Monitoring Project (MSHMP) 2025 Summary

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We hope you had a nice Christmas and New Year.

In keeping with our established practice, this science page highlights key accomplishments from 2025 and summarizes significant outcomes derived from our monitoring activities.

PEDV – Throughout 2025, the industry dealt with this virus twice as there were two epidemics. The last time the U.S. industry had to go through two epidemics in the same calendar year was in 2022. During 2025, both epidemics occurred during the fall/winter seasons as we have reported previously.

PRRS – Unfortunately, the 2024-2025 and current 2025-2026 PRRS seasons followed the same trend. The industry is dealing with new variants such as the devastating L1C.5.32 which has been causing higher losses. During 2025, the MSHMP developed and launched the Variants Under Monitoring (VUM) (<https://mshmp.umn.edu/prrsv-variant-monitoring>) initiative to better inform and aid industry stakeholders during their decision-making process. Through the VUM project, we can characterize newly emerged variants into categories monthly based on the number of new sites affected in the previous six months.

Influenza – During 2025, the team focused on database improvements to enable better disease metric calculations. As part of this effort, we focused on influenza quantification by estimating cumulative incidence. While there is still room for improvement from a breeding herd classification perspective, we have confirmed that estimation of cumulative incidence is feasible within the current framework.

Mycoplasma hyopneumoniae – In the past the team had added this pathogen to the list of monitored agents in our project. During the second semester of 2025, and thanks to a regional initiative in the state of Minnesota, the prevalence of *Mycoplasma hyopneumoniae* in breeding herd was estimated at approximately 10%. Ongoing efforts in 2026 will focus on expanding data collection from our MSHMP network to support the development of national-level estimates.

None of these efforts would have been possible without the dedication of our participants and the generous financial support of SHIC. As we look ahead to 2026, we are excited to continue working alongside our partners to provide meaningful, timely, and field-driven insights that benefit both our participants and the broader industry.

Respectfully,

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