

Title: Review of literature for epidemiology and control of Porcine Reproductive and Respiratory Syndrome virus (PRRSV) in North America: lessons learned and knowledge gaps –
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Abstract:

Objective—To describe the current knowledge on porcine reproductive and respiratory syndrome (PRRS) control and epidemiology in North America.

Animals or sample—Systematic review of the literature on PRRS epidemiology in North America

Procedures— The review was largely based on authors experienced and supported by a number of literature searchers. We described features related to PRRS control and elimination at the farm and regional levels and subsequently summarized knowledge gaps on PRRS epidemiology in North America.

Results—Much has been learned about the epidemiology of PRRS in North America. There are, however, important features of the disease that are yet-to-be elucidated, including those related with accuracy of diagnostic tests, effect of vaccine on virus diversity, and evaluation of control strategies at a regional level.

Conclusions and clinical relevance— Coordinated actions of producers and practitioners, in the absence of a regulatory framework, will be required to control and eventually eliminate the disease.

These research results were submitted in fulfillment of checkoff-funded research projects. This report is published directly as submitted by the project's principal investigator. This report has not been peer-reviewed.

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