NAHMS Swine 2021 Study Coordinator Welcome Webinar

March 10, 2021
9 am - 10 am MST
1 Welcome
NAHMS and the Swine Industry
To describe health and production related to a national animal population

NAHMS studies are unique in the world, useful in trade negotiations and provide objective estimates to combat misinformation (e.g., antimicrobial use).
Swine was the first national study over 30 years ago.

A lot has changed—especially since the last one in 2012.
Trichinae may be nearly gone
Congressional/Media
PED and Porcine Delta coronavirus
2006 and 2012: AMU/AMR before and after FDA VFD regulations
2006 and 2012: PCV levels before and after vaccine development
Study Overview (and welcome packet)
Study Overview-Large Enterprise Study

Study population
- Operations with 1,000 or more swine selected from 13 states, representing more than 90 percent of U.S. herds with 1,000 or more swine.

2,518 operations selected to yield about 4,085 sites

Study process
- NASS in Summer 21
- VS questionnaire and biologics collections in Fall 21-Spring 22
Deal with these together since they are the “today” questions.

- Section 1 collects site inventory numbers by production type
- Section 5 collects site infrastructure

<table>
<thead>
<tr>
<th>Facility Number</th>
<th>Types of Pigs</th>
<th>Sows and gilts</th>
<th>Developing gilts</th>
<th>Preweaned pigs</th>
<th>Nursery aged pigs</th>
<th>Grower/finisher aged pigs</th>
<th>Number of Pens in Facility</th>
<th>Approx. Number of Pigs in Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>v500/a/b/c/d/e/f</td>
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</table>
Breeding or farrowing in gilts/sows between 12/1/20 and 5/31/21.

- Disease in breeding females and vaccines used
- Measures (e.g., vaccines) taken to control/keep out PRRS and current PRRS herd status
- Vaccine type and timing taken to control Flu
- Disease experienced by nursing pigs
Raised weaned between 12/1/20 and 5/31/21.

- Disease in each type and vaccines used
- Vaccine types used to control **Flu** and response to the most recent respiratory disease outbreaks
- AMU by injection, water or feed in the last six months
- Feed specifics and movement destinations of each type
**Study Overview-Large Enterprise Study, Tableau and MiCo**

**Tableau Coordinator Dashboard(s)**
- Overall map of completion rates by state
- Contacts list
- Main dashboard (picture-will change)
- Missing dashboard

**MiCo VS questionnaire**
- Looks just like paper version so far
- Automatic skips and totaling
- Some internal validation.
- For tablets
Free biologics collections

- Oral fluids with ISU: Seneca Valley Virus
- Fecal samples with NCSU: Salmonella, Campylobacter, Enterococcus and E. Coli.
- All results returned to producers in sealed envelope

What's different?

- Oral fluids, not blood
- Producer designate can collect samples
- Fecal reporting will be done in two phases
Study Overview-Small Enterprise Study

Study population
- Operations with fewer than 1,000 swine selected from 38 States, representing more than 90 percent of U.S. herds with fewer than 1,000 swine

Approximately **5,880 sites** sampled

Study process
- NASS Summer 2021-a Mail-out (web option) with telephone follow-up
You are partners in this effort.
You have already helped a ton with the marketing part (next).
For field work you are not alone.
What do you need? Contact me or Abby.
Special runs always available after the study.
4 Marketing
Up to three waves of contact in 38 states to the following:

- **AVICs**: January, May and Oct 2020
- **State veterinarians**: May and Oct 2020
- **NPB and NPPC State executives**: December 2019 May and November 2020
- **Farm Service Agency (to all states)**: November 2020.
- **State Farm Bureaus**: March, June and November of 2020
- **Extension Agents/Extension Department heads**: October 2020
Marketing - what should we do?

- What are your ideas?
Questions for you
5 Questions for you

- Who is willing to test and pilot MiCo (OH and PA)?
- Do you think your people will use electronic capture?
- Do you want to see the Coordinator Dashboard and MiCo sometime?
- Do you have a list of people that will be doing the field work (includes State where applicable)?
5. Questions for you

- Do you want rope cutters for the Oral Fluid ropes and if so what kind?
- Will State people be helping in your state?
- Will some of your people help in other states if the sites are close to them?
- Would diseases/medications/diet components list that you can push across the table to the producer help?
- We plan training the second week of August. Good?
5 Questions for you

- Do you need Tyvek coverings?
- How are you visiting producers nowadays?
Other Questions or thoughts (with next steps)
What are your comments or questions?

Here is a very tentative schedule of webinars/topics (page 8 of the packet). Thoughts?

### NAHMS Swine 2021 Teams meeting Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Time and Topic</th>
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<tbody>
<tr>
<td>March 2021</td>
<td>Welcome and study overview</td>
</tr>
<tr>
<td>April 2021</td>
<td>NASS – turnover, consent forms, NASS training schools</td>
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<tr>
<td>May 2021</td>
<td>Questionnaire Review/ MICO Survey</td>
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<tr>
<td>June 2021</td>
<td>Biologic Review</td>
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<tr>
<td>July 2021</td>
<td>TBD if needed</td>
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Thank you!

http://www.aphis.usda.gov/nahms

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