


# AAAP Research Priorities 2019 Survey

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# Outline

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# Introduction

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## AAAP Research Priorities Committee Mission

To advance the application of science-based knowledge in the poultry industry by **ensuring that the practical research needs of the industry are communicated to researchers and research funding agencies**




# Introduction

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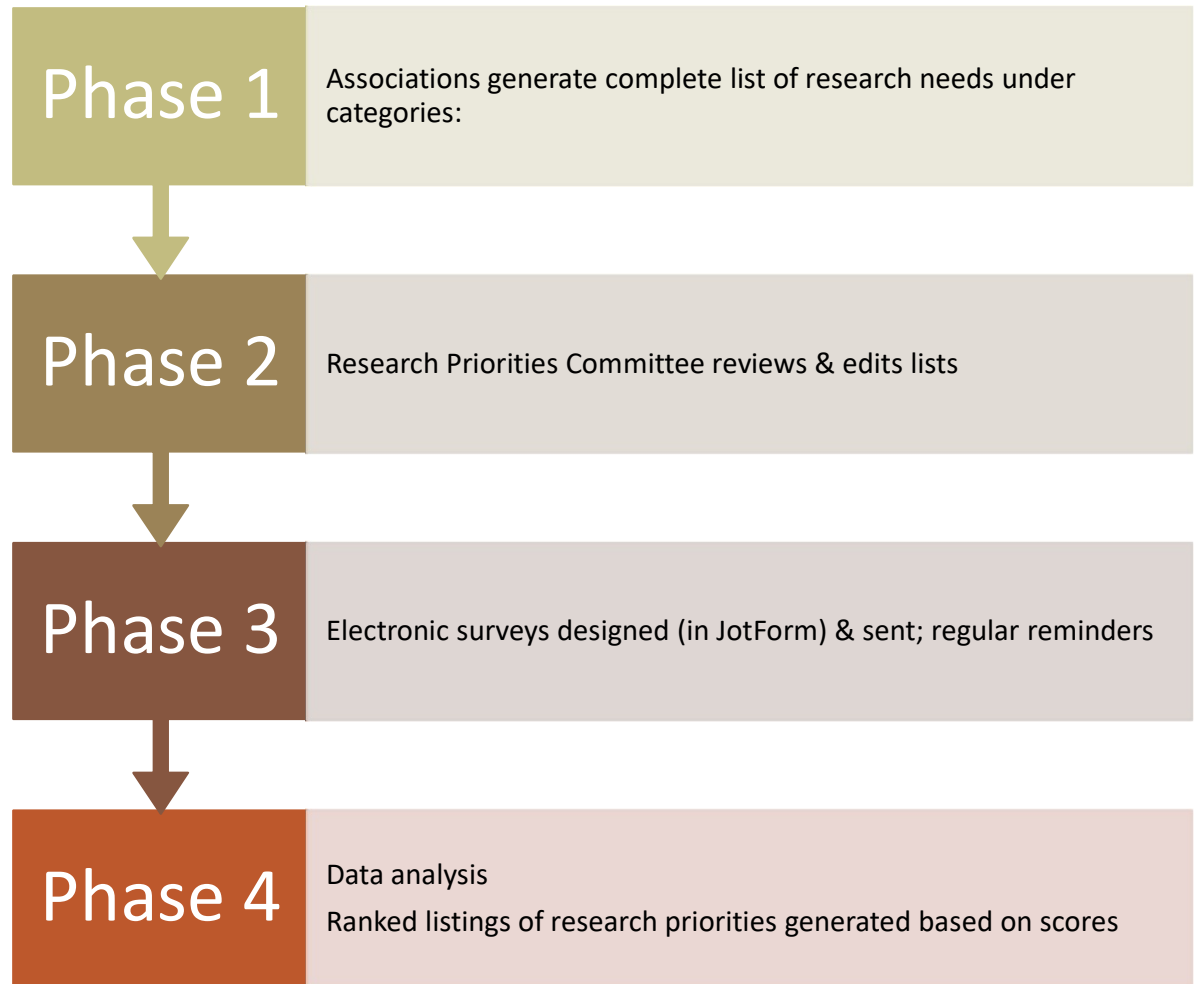
## **This mission is achieved by:**

- Annual survey
  - **Association of Veterinarians in Broiler Production (AVBP)**
  - **Association of Veterinarians in Egg Production (AVEP)**
  - **Association of veterinarians in Turkey Production (AVTP)**
  - **Association of Poultry Primary Breeder Veterinarians (APPBV)**
- **Communicating research priority listings to poultry researchers and research funding agencies.**

## **Research Priorities Committee goal for 2019:**

- **Redesign and standardize broiler, egg and turkey Research Priorities surveys.**
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# Methods



**Category 1: Health/Disease**

	1-No need for Further Research	2-Little need for Further Research	3-Moderate Need for Further Research	4-High Need for Further Research	5-Very High Need for Further Research
<b>Infectious Bronchitis</b> a. Determine the epidemiology, risk factors and effective control strategies for nephropathogenic Infectious Bronchitis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Reovirus</b> a. Investigate the epidemiology of reoviruses, and the emergence of novel reovirus strains	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Runting Stunting Syndrome</b> a. Investigate the etiology, Syndrome (RSS), and the m onset and severity of the s					<input type="radio"/>
<b>E. coli</b> a. Determine the pathogen					<input type="radio"/>
<b>Mycoplasmosis</b> a. Develop strategies to mitigate the vertical transmission of Mycoplasma that do not rely on antibiotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Clostridial Diseases</b> a. Investigate risk factors contributing to the development of Necrotic Enteritis, including the role of feed ingredients	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Investigate the impact of intestinal health programs (coccidiosis vaccines, ionophores, chemical coccidiostats, preventative antibiotics) on the incidence of Gangrenous Dermatitis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Investigate the impacts of soil and water pH on the incidence and prevalence of clostridial diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Reovirus:**  
Investigate the epidemiology of reoviruses, and the emergence of novel reovirus strains

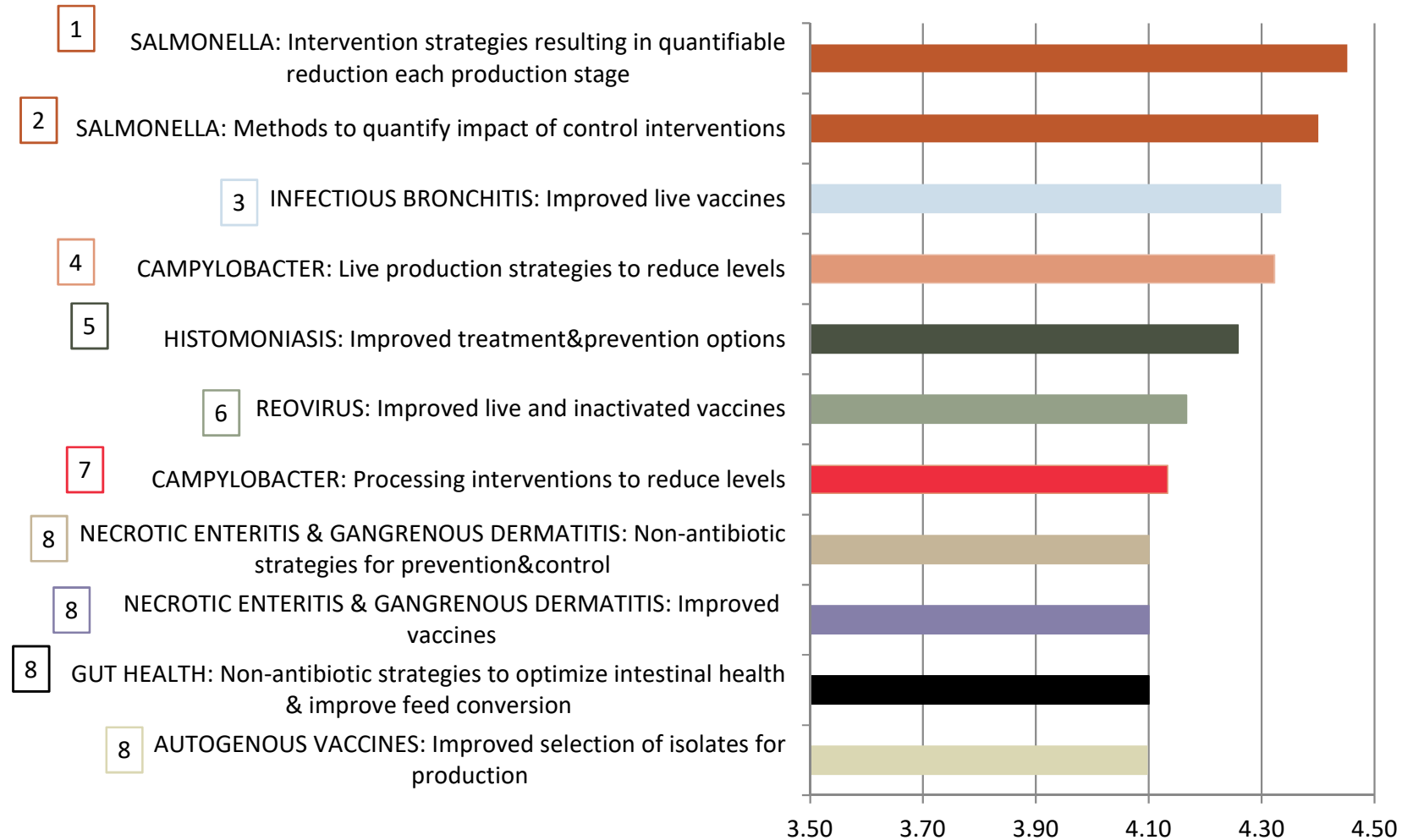


## AVBP – Broiler Research Priorities

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- Survey
  - 79 research needs statements
  - Expected survey response time: 12-15 min
- Survey respondents
  - 30 U.S. veterinarians (71% response rate)
  - 17 production companies & 2 primary breeder companies represented
  - 27 states
  - 179.4 million broilers processed/wk

## BROILERS: TOP 10 OVERALL RESEARCH PRIORITIES







## AVEP – Egg Research Priorities

- Survey

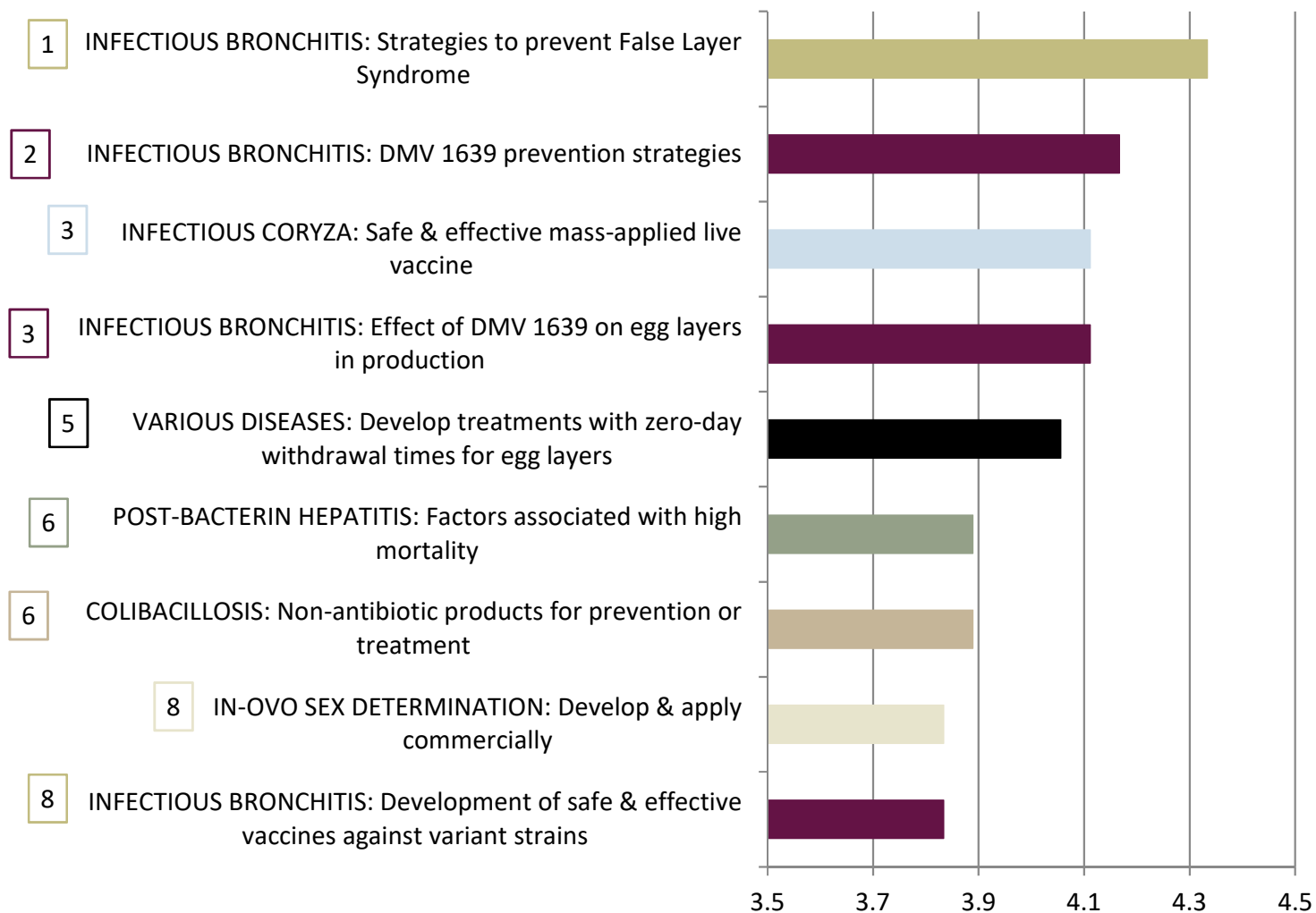
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- 40 research needs statements
- Expected survey response time: 6-9 min

- Survey respondents

- 18 veterinarians (17 U.S., 1 Canada) (42% response rate)
- 6 production companies; 2 primary breeder companies; 4 allied companies; 1 university; 3 consultants represented
- All U.S. states & Canada

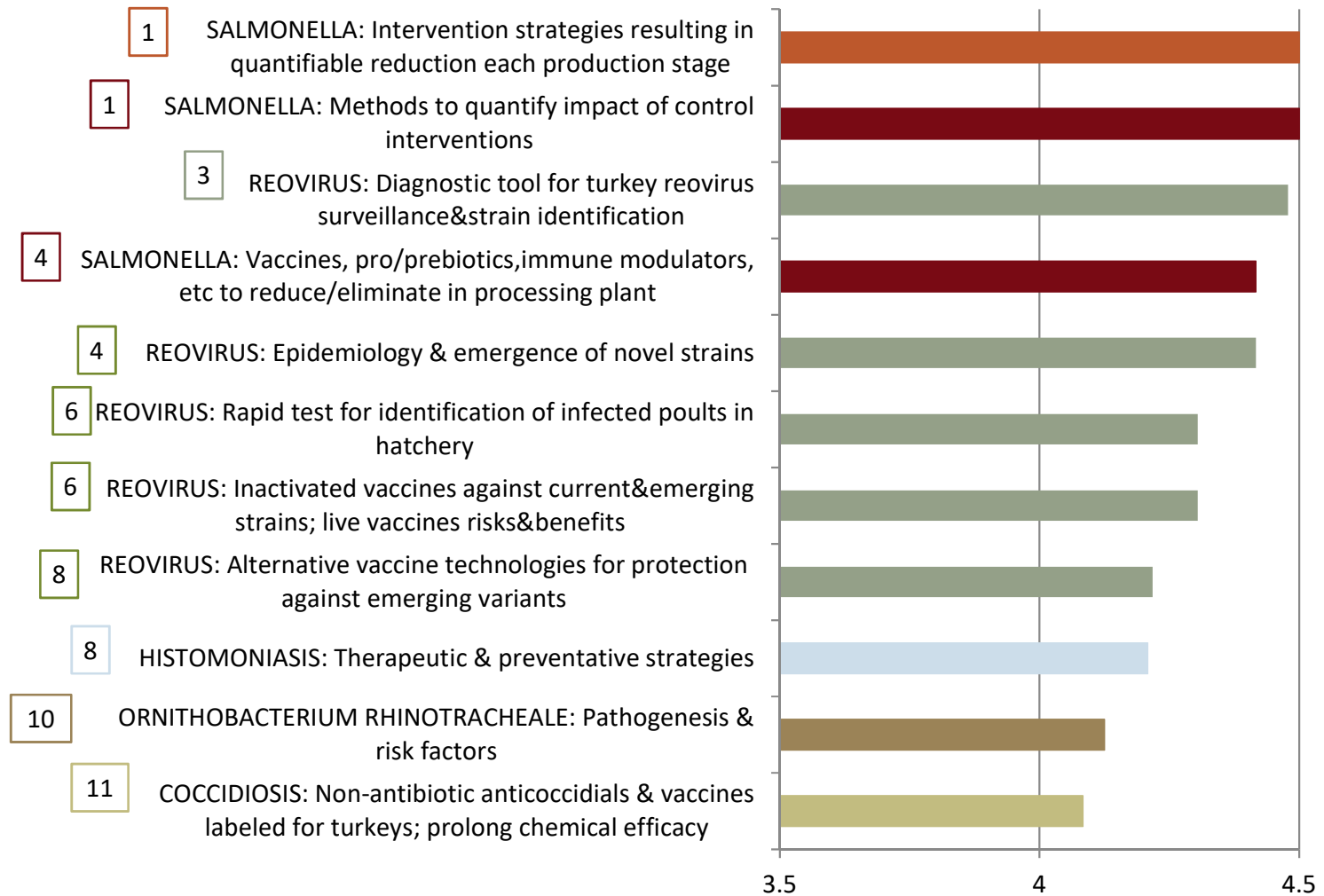
## EGG: TOP 9 OVERALL RESEARCH PRIORITIES





- **AVTP – Turkey Research Priorities**
- Survey
  - 43 research needs statements
  - Expected survey response time: 9-12 min
- Survey respondents
  - 24 veterinarians (23 U.S.; 1 Canada) (48% response rate)
  - 10 production companies; 1 primary breeder company; 2 allied companies; 5 consultants represented
  - 21 U.S. states; 1 Canadian province

## TURKEYS: TOP 11 OVERALL RESEARCH PRIORITIES



## Discussion

### Top Research Priorities

- **Common disease issues in Top 10:**
  - Salmonella (#1,2 Broiler; #1,3 Turkey)
  - Infectious Bronchitis (#3 Broiler; #1,2,3,6 Egg)
  - Histomoniasis (#5 Broiler; #5 Turkey)
  - Reovirus (#6 Broiler; #2,3,4,5 Turkey)
- **Other disease issues in Top 10:**
  - Campylobacter (#4,7 Broiler)
  - Necrotic Enteritis & Gangrenous Dermatitis (#8 Broiler)
  - Infectious Coryza (#3 Egg)
  - ORT (#6 Turkey)
- **Top scoring research needs categories**
  - Vaccines & Pharmaceuticals; Food Safety

## Conclusion

Research priority listings will be communicated to researchers & research funding agencies, and posted on AAAP website ([www.aaap.info](http://www.aaap.info))

**We all have an important role to play in addressing the practical research needs of the poultry industry!**

- All AAAP members
- Researchers
- Research funding agencies
- Members of AVBP, AVEP, AVTP, APPBV

# Acknowledgements

## **AAAP Research Priorities Committee**

- Dr. Mark Burleson AVBP President
- Dr. Eric Gingerich AVEP President
- Dr. Seiche Genger AVTP President
- Dr. Travis Schaal APPBV President
- Dr. John Smith AAAP Board Liaison
- Dr. John Glisson Research Director, US Poultry & Egg
- Dr. Naola Ferguson-Noel Researcher, PDRC, UGA

## **AVBP, AVEP, AVTP and APPBV members**

### **AAAP Office**

- Nathan Bevans-Kerr
- Diana Kerr
- Bob&Janece Bevans-Kerr

### **AAAP Epidemiology Committee**

- Dr. Dave Fernandez



Questions??

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