

## Curriculum Vitae

- I. NAME:** Jeffrey B. Bender
- II. BIRTH DATE:** August 30, 1961
- III. BUSINESS ADDRESS:** University of Minnesota  
Environmental Health Sciences  
School of Public Health  
1214 Mayo  
420 Delaware Street SE  
Minneapolis, MN 55455  
Ph: 612/625-6203 Fax: 612/624-4906  
E-Mail: bende002@umn.edu
- IV. EDUCATION:** 1985 - B.S. (Biology) California Polytechnic University, San Luis Obispo, CA  
1989 – DVM (Veterinary Medicine) University of MN, St. Paul, MN  
1995 - M.S. (Veterinary Medicine, focus epidemiology) University of MN, St. Paul, MN
- V. M.S. THESIS TITLE:** Role of the Veterinary Diagnostic Laboratory in Animal Health and Disease Surveillance, January 1995.
- VI. PRESENT TITLE/POSITION:** Professor  
Director of the Upper Midwest Agricultural Safety and Health Center  
Director Public Health Practice, School of Public Health  
Hospital Epidemiologist – Veterinary Medical Center
- OTHER ACADEMIC APPOINTMENTS:**
- |   |   |
|---|---|
| Adjunct Professor                       | College of Veterinary Medicine (2017 – present)   |
| Adjunct Professor                       | Chiang Mai University, College of Veterinary Medicine (2015 – present)  |
| Assistant, Associate and Full Professor | College of Veterinary Medicine, Department of Veterinary Population Medicine<br>University of Minnesota (2000 – 2016)   |
| Adjunct Assistant Professor             | School of Public Health (Division of Environmental and Occupational Health)<br>(2002-2016)  |
| Assistant Professor                     | Veterinary Diagnostic Medicine (2000-2003)  |
| Graduate School                         | School of Public Health (Division of Epidemiology, Division of Environmental<br>and Occupational Health, Division of Public Health Practice)<br>College of Science and Engineering (Masters of Science in Security Technology,<br>2006 - present) |
- VII. BOARD CERTIFICATION** Diplomate of the American College of Veterinary Preventive Medicine, 2001
- VIII. PROFESSIONAL POSITIONS:**
- |        |  |
|--------|--|
| 2020 - | Director of the Public Health Practice Program, School of Public Health, University of Minnesota |
| 2020 - | Hospital Epidemiologist Veterinary Medical Center, University of Minnesota                       |

2019 - Director of the NIOSH supported - Upper Midwest Agricultural Health and Safety Center

2016 - 2020 Director of USAID One Health Workforce Development Project

2015 - 2016 Division Head, Veterinary Public Health, College of Veterinary Medicine, University of Minnesota, St. Paul, MN

2012 - 2019 Co-Director of the NIOSH supported - Upper Midwest Agricultural Health and Safety Center

2012 - 2014 Co-Director for Human-Animal Interface Studies – Minnesota Center of Excellence for Influenza Research and Surveillance

2011 - Professor, Veterinary Population Medicine, College of Veterinary Medicine, University of Minnesota, St. Paul, MN

2011 – 2014 Special Government Employee (SGE) – Food and Drug Administration – Science Advisory Board

2008 - 2012 Director for the Center for Animal Health and Food Safety, University of Minnesota

2007 - 2008 Co-Director for the Center for Animal Health and Food Safety, University of Minnesota

2006 - 2011 Division Head, Veterinary Public Health, College of Veterinary Medicine, University of Minnesota, St. Paul, MN

2006 - 2011 Associate Professor, Veterinary Population Medicine, College of Veterinary Medicine, University of Minnesota, St. Paul, MN

2005 - 2016 Hospital Epidemiologist, Veterinary Medical Center, University of Minnesota

2000 - 2006 Assistant Professor, Veterinary Population Medicine, College of Veterinary Medicine, University of Minnesota, St. Paul, MN

1997 – 2000 State Public Health Veterinarian, Minnesota Department of Health

1995 – 2000 Infectious Disease Epidemiologist; Foodborne, Vectorborne and Zoonotic Unit, Minnesota Department of Health

1994 – 1998 Associate Veterinarian, Minnesota Veterinary Hospital, Shoreview, MN

1991 – 1994 Research and Teaching Assistant, Clinical and Population Sciences, College of Veterinary Medicine, University of Minnesota, St. Paul, MN

1990 – 1991 Associate Veterinarian, Minnesota Veterinary Hospital, Shoreview, MN

1989 – 1990 Associate Veterinarian, Countryside Veterinary Clinic, New Richmond, WI

**IX. LICENSURE:**

Veterinary Medicine: California (1989-2004), Minnesota (1989-2023), Wisconsin (1989-2021)

USDA Accreditation – Category II

**X. PROFESSIONAL SOCIETY MEMBERSHIPS:**

American Association of Small Ruminant Practitioners (1989-1999)  
 American College of Veterinary Preventive Medicine (Diplomat since 2001)  
 Credentials Committee  
 American Veterinary Epidemiology Society (Diplomat since 2006)  
 American Veterinary Medical Association (1987-present)  
 Association of Professionals in Infection Control (2005 - 2014)

Council of State and Territorial Epidemiologists (1996-2003, 2021)  
Infectious Disease Society of America (2000-present)  
International Society for Companion Animal Infectious Diseases (ISCAID) (2014 – present)  
Minnesota Veterinary Medical Association (1989 – present)  
Member of the Public Health Committee since 1995, co-chair 2002-2008  
National Association of State Public Health Veterinarians (1995-present)  
Society for Hospital Epidemiology Association (2014 – 2016)  
United States Animal Health Association (2000-2001)

## **XI. FOREIGN TRAVEL/EXPERIENCE:**

Southeast Asia (Cambodia, Indonesia, Malaysia, Myanmar, Thailand, Vietnam) and Africa (Kenya, Senegal, Tanzania, Uganda) 2017 – 2020.

Serving as the Director of the USAID funded One Health Workforce project throughout SE Asia and Africa supporting capacity building projects to detect, respond and prevent pandemics.

Thailand and Vietnam (August 2015; January - February 2016; July - August, 2016)

Seminar on emerging disease in companion animals and precautions (PPE and disinfection) (Thailand)

Antimicrobial resistance case studies and regional surveillance (Vietnam)

Collaborative research on antimicrobial resistance (including regional policies and antibiotic stewardship)

Thailand and Vietnam (August 2015; January - February 2016)

Panel discussion/moderator at Prince Mahidol Conference sub-meeting on antibiotic resistance

Co-teach seminar on One Health leadership and antimicrobial resistance

Collaborative research on antimicrobial resistance (including regional policies and antibiotic stewardship)

Thailand (August 2014)

OIE sponsored workshop on development of teaching modules for Thai Veterinary Colleges

Thailand (February 2014)

Co-teach seminar on infectious disease surveillance with Chiang Mai University faculty

Thailand and Vietnam (May 2013)

Part of a USAID project to promote One Health approaches to disease detection and surveillance and help with research and teaching programs

China (May, 2012)

Meet with China Agricultural University and seminar on Veterinary Public Health – Mudanjiang City

Thailand (April, September 2011)

Review avian influenza research; meet with FAO, USAID, and Academic partners

Australia (July 2010)

University of Sydney – evaluation of Veterinary Public Health programs

Europe (February 2010, 2011)

Geneva (WHO), Paris (OIE), and Rome (FAO) – Intergovernmental organizations partnerships

Panama (April 2009)

One Health Proposal with CDC, Smithsonian, and Gorkas Institute

Chile (March 2009)

USDA funded teaching on disease surveillance

Thailand (October 2007 and January 2008)

Avian influenza research activities

Bolivia and Uruguay (April, 2006)

Cooperative research project on Johne's and Crohn's disease

Denmark (January, 2005)

National Pork Board sponsored grant to assess the impact of the antimicrobial growth promoter ban on human health

Brazil (June, 2004)

Coordinate a Department of Education Grant (Student exchanges in veterinary medicine and public health)

Bolivia (April, 2004)

Training and education of veterinary students and assessment of public health strategies

Uzbekistan (March 1994):

Developed project proposal for privatization of veterinary services and training of technicians and veterinarians. Funded by Christian Veterinary Mission.

Calgary, Canada (February 1992):

Oversaw veterinary student externships at feedlots and cow/calf operations.

## **XII. CONSULTANTSHIPS:**

2020	Minnesota State COVID-19 testing Task Force
2014	Minnesota State Fair
2010	Hormel Corporation
2009	National Science Foundation (FDA ranking)
2005	Minnesota Emergency Readiness Education and Training (MERET)
2003, 2004	Minnesota Department of Health, Communicable Disease Reporting Rules
2002	Minnesota Cervid Advisory Board
2001	Minnesota Department of Agriculture - BSE Task Force
2001	Consultant, Minnesota Department of Health, Infectious Diseases in Child Care Settings
2001	Consultant, Minnesota Department of Health, Antibiotic Usage in Child Care Facilities
	Consultant, Minnesota Department of Health, Food Safety
2000	Consultant, Blue Ribbon Panel on Minnesota Avian Pneumovirus
1999	Consultant, Centers for Disease Control and Prevention, Development of Public Action Plan to Combat Antimicrobial Resistance
1999	External Reviewer, Generic Environmental Impact Statement on Animal Agriculture IV Health Topic: K – Human Health
1998	Consultant, Minnesota Renaissance Festival Pet Gate Policy
1997	Consultant, Centers for Disease Control and Prevention, Essential Surveillance and Outbreak Response Components of a State Foodborne Disease Prevention and Control Program

## **XIII. EDITORIAL AND REVIEW BOARDS:**

American Journal of Public Health	Ad hoc reviewer
Am Society of Agricultural and Biologic Engineers	Ad hoc reviewer
BMC Public Health	Ad hoc reviewer
BMC Veterinary Medicine	Ad hoc reviewer
Canadian Veterinary Journal	Ad hoc reviewer
Clinical Infectious Diseases	Ad hoc reviewer
Emerging Infectious Diseases	Ad hoc reviewer
Epidemiology and Infection	Ad hoc reviewer
Foodborne Pathogens and Disease	Ad hoc reviewer
Journal of Agromedicine	Ad hoc reviewer, Associate Editor (2014 – 2018)
Journal of the American Medical Association	Ad hoc reviewer
Journal of Food Protection	Ad hoc reviewer
Pediatric Infectious Diseases	Ad hoc reviewer
PLoS Medicine	Ad hoc reviewer
Preventive Veterinary Medicine	Ad hoc reviewer
Risk Analysis	Ad hoc reviewer

Transboundary and Emerging Diseases	Ad hoc reviewer
Vector-borne and Zoonotic Diseases	Ad hoc reviewer
Veterinary Dermatology	Ad hoc reviewer
Veterinary Internal Medicine	Ad hoc reviewer
Zoonoses and Public Health	Ad hoc reviewer

#### XIV. UNDERGRADUATE AND GRADUATE TEACHING:

##### *Undergraduate (Minnesota Professional)*

University of Minnesota, College of Veterinary Medicine

	CVM 6923	Public Health and Community Medicine – Course Coordinator (2014 – 2016)
	CVM 6030	Veterinary Community Medicine – Course Coordinator (1998, 2000-2015)-Food hygiene, Food Safety and zoonotic diseases
CVM 6932		Introduction to non-domestic veterinary medicine (2009-present)-Occupational risk to zoo workers
CVM 6930		Medical Management of Zoo Animals (2001-2009)-Occupational risks to zoo workers
CVM 6473		Large Animal Infectious Diseases (2010-2016)-Hospital infection control
	CVM 6500	Veterinary Public Health Rotation (2000-2007, 2009, 2011, 2012, 2016)- Outbreak investigations, antimicrobial resistance, food irradiation, emerging zoonoses, rabies, and nosocomial infections
CVM 3502		Animal Health and Disease (2001-2002)-Agroterrorism, Food Safety
CVM 6013		Professional skills (2001-2005)-Disaster preparedness and management
CVM 6022		Overview of Animal Populations (2001-2007)-Veterinarians in Public Health
CVM 6500		Veterinary Public Health Rotation (guest lecturer 1997-1999)-Emerging Zoonoses
CVM 6030		Public Health and Community Practice-Guest lecturer (1995-1997, 1999)

University of Minnesota, College of Agricultural, Food and Environmental Sciences

FSCN 1102	Bioterrorism and Food
SsAg 1505	The Bugs Will Get Us

##### *Graduate Teaching*

University of Minnesota, College of Veterinary Medicine

VMED 5080 Directed Study (2012, 2013, 2014) – Problems in Veterinary Epidemiology

VMED 8090 Course Coordinator (2000 - 2012)-Epidemiology of Zoonoses and Diseases Common to Humans and Animals

VMED 5165/PubH 7100 (2001-2003) Foodborne Disease Surveillance

PubH 6385 (2007 -2017) Epidemiology and Control of Infectious Disease

University of Minnesota, Technological Leadership Institute

ST 8110: Security Science and Technology Foundations (2010-2015)

University of Minnesota, School of Public Health

PubH 7200-115 Providing mental health support to rural communities (2020)

PubH 7200-122 Public Health and COVID-19: Lessons from the field during a global pandemic (2020)

PubH 7200-103 Minimizing transmission of infectious diseases during outbreaks: public health protection for you and your workforce (May 2016)

PubH 5335 Epidemiology and Control of Infectious Diseases (Guest Lecturer 1999 - 2014)

PubH 7212 Food System Biosecurity Threats (2002, 2004)

PubH 7100-110 Factors for the Emergence of Zoonotic Diseases (2004, 2006) (Course Coordinator)

PubH 7200 Application of EpiInfo in Epidemiologic Investigations (2005-2007) (Course Coordinator)

PubH 7217 Advances in Molecular Epidemiology Analysis (2003, 2005)

PubH 7200 Epidemiology of Foodborne Pathogens (2007, 2010) (Co-Course Coordinator)

PubH 7200-106 World Food Problems (2008, 2010) (Course Coordinator)

PubH 7200-119 Rapid Response to Food Emergencies - Coding and Traceback (2009)

PubH 7200-118 Public Health and Companion Animals (2012, 2014) (Course Coordinator)

PubH 7230-102 Infection Prevention across the Spectrum of Health Care Settings (2013) (Course Coordinator)

PubH 7230-101 Antibiotic Resistance, Use and Stewardship: Theory to Practice (2017, 2018)

### Teaching Training

#### MPH Field Experience Projects (1997-present)

2012	Cara Cherry	Risk Assessment of Minnesota Petting Zoos
2008	Jamie Ueber	Infection control practices in a Veterinary Medical Center
2000	Daniel Tranter	Economic and social costs of rabid animal exposures
2000	Nicole Reynolds	Multi-drug resistant <i>Salmonella typhimurium</i> in cats
1999	Ann Fitzpatrick	Bioterrorism Preparedness Survey of State Veterinarians
1998	Leslie Nordgren	Evaluation of human and animal exposures to rabid animals

#### Minnesota Animal Control Association (1995 – 2002)

University of Minnesota, College of Medicine, Family Practice Residents  
Guest lecturer (1999, 2009-2017)

University of Minnesota, College of Medicine, Occupational Medicine Residents  
Guest lecturer (2019)

#### Undergraduate teaching project(s)

2007	Monique Franca	Brazil exchange program – Geographic information systems and WNV
2007	Michele Oliveria	Brazil exchange program – Geographic information systems and Anaplasma
2003	Jaime Cho	Underreporting of Equine WNV – UROP grant
1998	Mary Van Buesekom	Outcomes of reported dog bites in two Minnesota Cities

Teaching/Research Assistant, College of Veterinary Medicine-Public Health Senior Rotations (1991-1993)

## XV. COMMITTEES (General):

2020 -	Education and Policy Committee, School of Public Health, University of Minnesota
2020 -	School of Public Health Executive Leadership Team – Continuity of Operations
2020 -	Veterinary Medical Center – Infection Control and Antimicrobial Stewardship
2017 -	APHL BSC-FSMA Surveillance Workgroup
2016 -	One Health Antibiotic Stewardship 5 year strategic plan (Minnesota Department of Health)
2014 - 2016	Strategic Planning-Grand Challenge Curriculum, University of Minnesota
2013 - 2016	AVMA – Task force on Antimicrobial Stewardship in Companion Animals – Chair
2013 - 2014	Global Spotlight Advisory Committee – University of Minnesota
2012 -	NASOHO and NASPHV Committee on Recommendations to Prevent Influenza Transmission at County and State Fairs
2012 -	National Pork Board – Health and Safety Committee
2010	FDA Science Advisory Board, Global Health Subcommittee - Chair
2009 - 2011	National Academies of Science – Ranking of FDA Product Categories
2008 - 2013	Credential Committee – American College of Veterinary Preventive Medicine
2008 - 2013	Healthy Foods/Healthy Lives Advisory Committee, University of Minnesota
2006 - 2012	Minnesota Emergency Readiness Education and Training Advisory Committee
2004 - 2005	Search for Veterinary Public Health Director
2003 – 2017	Veterinary Medical Center Infection Control Committee – Chair, 2008-2017
2003- 2004	Grant Resources Task Force
2003- 2005	Education Health and Safety Council (Academic Health Center)
2002- 2008	National Association of State Public Health Veterinarians – Compendium of measures to prevent disease and injury associated with animals in public settings.
2001	Search Committee – Applied Genomics, Veterinary Pathobiology
2001	College of Veterinary Medicine, Health and Safety Committee
2000	Search Committee – Director for the Center for Animal Health and Food Safety (CAHFS)
2000 - 2007	Committee on Curriculum and Educational Policy-College of Veterinary Medicine
1999	Minnesota Pandemic Influenza Control
1998 - 1999	Minnesota Bioterrorism Preparedness Task Force
1998 - 2002	Liaison Member on the Judicious Use of Antibiotics in Veterinary Medicine, AVMA

1997 - 1999 Minnesota State High School League-Medical Advisory Committee  
 1997 - 2008 Minnesota Veterinary Medical Association-Public Health Committee

## XVI. GRADUATE ADVISORY EXPERIENCE:

*ADVISOR - COMPLETED DEGREES (6 PhD; 3 MS; 35 MPH; 9 DVM/MPH)*

2021	Tiffani Turinski	MPH (Public Health Practice)
2020	Sarah Danelius	MPH (Environmental Health) – Veterinary antibiogram
2019	Kelly Deweese	MPH (Environmental Health)
2019	Victoria Doll	MPH (Epi – Ebola preparation)
2019	Victor Cruz	MPH (Epi-Pertussis)
2018	Evan Sorley	PhD (Co-adv Environmental Health – Occupational <i>Campylobacter</i> infections)
2018	Jennifer Grimm	MPH (Epi – Epstein-Barr infections)
2017	Muktar Mohamud	MPH (Environmental Health – Infection Prevention)
2017	Cameron Amirfathi	MPH (Environmental Health – Needle disposal)
2017	Megan Peck	PhD (Co-advisor Environmental Health)
2016	Kristin Hardy	MPH (Epidemiology – Hepatitis A vaccination)
2016	Ong-Orn Prasarnphanich	MPH (Public Practice – Preparedness)
2015	Emily Tholen	MPH (Epi)
2014	Sylvia Wanzala	MPH (Public Practice – TB in Uganda)
2014	Andrew Huff	PhD (Environmental Health – Food Protection)
2014	Elizabeth Schiffman	MPH (Epidemiology – Petting Zoo Risk Assessment)
2013	Alyssa Herreid	MPH (Epidemiology – Urban Chickens)
2012	Amanda Beaudoin	PhD (VMed – Zoonotic Influenza)
2011	Ryan Newkirk	PhD (Epidemiology – Food Defense)
2011	Karin Hamilton	MPH (Executive – Good Agriculture Practices)
2011	Shelley Mehlenbacher	MPH (Executive – Salmonella and pet food)
2011	Adam Keaster	MPH (Japanese Encephalitis risk in the US)
2011	Girum Ejigu	MPH (STEC – Dairy cattle)
2011	Melissa Holcomb	DVM/MPH (Equine Salmonella)
2010	Steve Johnson	MPH (Swine influenza)
2010	Kathy Jorgenson	MPH (Executive)
2010	Stephanie Yendell	DVM/MPH (AI and backyard flocks)
2010	Andrea Parrish	DVM/MPH (MRSA and Therapy Dogs)
2010	Jeff Stueve	DVM/MPH (Reptile-associated <i>Salmonella</i> )
2010	Barb Grieg	MPH (Epi – Lyme disease exposure risk)
2010	Brendan Lee	MPH (Executive – Import Food Vulnerability)
2009	Rebecca Fisher	MPH (Epi – Project Advisor – Lyme disease)
2009	Joshua Rounds	MPH (Foodborne Disease Cluster Investigations)
2009	Meghan Shirger (Cheyne)	DVM/MPH (Virginiamycin-resistant <i>Enterococcus faecium</i> )
2008	Colin Schwensohn	MPH (Epi - Salmonella)
2008	Stephan Singleton	DVM/MPH (Petting zoos)
2008	Kara Nelson	DVM/MPH (Rabies in Minnesota)
2008	Jeff Griggs	MS (Animal Science) – Co-advisor (Organic Poultry Production)
2007	Stacy Unser	DVM/MPH (Project Advisor - <i>Listeria monocytogenes</i> in humans and animals)
2007	Kat Coughlan	DVM/MPH (Project Advisor - MRSA in long-term facility resident animals)
2007	Katherine Waters	MPH (cMRSA in household pets)
2007	Hisako Tsutumi	MS (Food Safety risk assessment of shrimp importation)
2007	Tegwin Taylor	MPH Advisor (Worker safety of pork industry workers)
2006	Kathleen McCollough	MS (Project Advisor – <i>Anaplasma phagocytophilum</i> surveillance)
2005	Seongbeom Cho	PhD Advisor (Veterinary Medicine) (STEC)
2004	Larissa Minicucci	MPH (Project Advisor - West Nile virus infection in horses)
2002	Peter Wilker	MPH (Project Advisor - Hemolytic Uremic Syndrome)
2001	Seth Baker	MPH (Project Advisor - <i>Chlamydia psittaci</i> )
2001	Joni Scheftel	MPH (Project Advisor - <i>Yersinia enterocolitica</i> )
2000	Michelyn Jones	MPH (Project Advisor - Multi-drug resistant <i>Salmonella</i> Typhimurium)

1999 Scott A. Seys MPH (Project Advisor - Malaria)

*ADVISOR - CURRENT STUDENTS (4 PhD; 2 MPH)*

2020 Ye Won Esther Song MPH (Environmental Health)  
2019 Jenna Rasmussen PhD (Environmental Health)  
2018 Ilya Slizovskiy PhD (Veterinary Medicine)  
2018 Patrick Balius PhD (Environmental Health)  
2018 Ryan Gavin PhD (Environmental Health)  
2018 Tara Suhs MPH (Environmental Health)

*EXAMINING COMMITTEE - COMPLETED DEGREES (31 PhD; 45 MPH; 44 DVM/MPH; 16 MS)*

2021 Christina Trabanco DVM/MPH  
2021 Eliza Theis DVM/MPH  
2021 Mary Liebenstein DVM/MPH  
2021 Kelly O’Niell DVM/MPH  
2021 Jessica Gilliatt DVM/MPH  
2021 Jake Brandvold DVM/MPH  
2021 Elyse Persico DVM/MPH  
2020 Kara Durski PhD (Environmental Health)  
2020 Katherine Worsley-Tonks PhD (Veterinary Medicine)  
2020 Jennifer Stiles DVM/MPH  
2020 Rachel Somma DVM/MPH  
2020 Susannah Haupt DVM/MPH  
2020 Dana Stewart DVM/MPH  
2020 Therese McNamara DVM/MPH  
2020 Chris Mapes DVM/MPH  
2020 Hiliary Flockhart DVM/MPH  
2020 Alexa Schappert DVM/MPH  
2020 Sara Canada DVM/MPH  
2020 Sam Puglisi DVM/MPH  
2020 Bona Yu DVM/MPH  
2019 Christopher Campbell PhD (Epidemiology)  
2019 Scott Vial PhD (Environmental Health)  
2019 Michele Meyer PhD (Environmental Health)  
2019 Shivdeep Singh Hayer PhD (Veterinary Medicine)  
2019 Laura Anderson DVM/MPH  
2019 Jonathan Sellman MPH  
2019 Linnea Tracy DVM/MPH  
2019 Mari Koll LaMoore DVM/MPH  
2019 Tatum Odland DVM/MPH  
2019 Nick Roman DVM/MPH  
2019 Kaushi Kanankege PhD (Veterinary Medicine, minor Public Health)  
2018 Sara Sokolik DVM/MPH  
2018 Connor Hoff MPH (Environmental Health)  
2017 Greg Hanson MS (Industrial Hygiene)  
2017 Sylvia Wanzala PhD (Veterinary Medicine)  
2017 Vachira Hunprasit PhD (Veterinary Medicine)  
2016 Jisun Sun PhD (Veterinary Medicine)  
2016 Geoff Lynn PhD (Entomology)  
2016 Medora Witwer MPH (Environmental Health)  
2015 Scott Seys PhD (Environmental Health)  
2015 Barsha Chitrakar MPH (Environmental Health)  
2014 Kelly LaFortune Straka DVM/MPH  
2014 Hayley Hontos MPH (Maternal Child Health)  
2014 Brittani Schmidt MPH (Epidemiology)  
2014 Samala Van Hoosimen DVM/MPH



2014	Stacy Tinkler	DVM/MPH
2014	Tamarin Scott	DVM/MPH
2014	Shannon Engelman	MPH (Environmental Health)
2013	Ben Miller	PhD (Environmental Health)
2013	Alexander Draper	MS (Veterinary Medicine)
2013	Joao Ribeiro Lima	PhD (Veterinary Medicine)
2013	Tory Whitten	MPH (Environmental Health)
2013	Andrea Kraus	MPH
2013	Melinda Lee	MPH (Environmental Health)
2013	Karen Everstine	PhD (Environmental Health)
2012	Aubrey Tauer	DVM/MPH
2012	Mary Wood	DVM/MPH
2012	Kristin Voehl	DVM/MPH
2012	Kristin Obbink	DVM/MPH
2012	Jason Stull	PhD (Guelph University)
2012	Zhe Hou	PhD (Food Science)
2011	Kellie Littrell	MPH (Environmental Health)
2011	Tim Boyer	PhD (Environmental Health)
2011	Brett Boum	MPH
2011	Christina Foutz	DVM/MPH
2011	Amanda Guspiel	MPH (Environmental Health)
2011	Preethi Haran	MS (VMED)
2011	Anil Sukumanin Nair	MPH (Epidemiology)
2011	Rolando Gonzalez	PhD (Food Science)
2010	John Li	PhD (Environmental Health)
2010	Shannon Poole	DVM/MPH
2010	Luis Cruz	MS (VMED)
2010	Stelios Viazis	PhD (Food Science)
2010	Garry Goemann	MPH (Executive)
2010	Stephanie Pylka	DVM/MPH
2010	Katherine Niksich	DVM/MPH (MSU)
2010	Carrie Klumb	MPH
2010	Nicole Martell	DVM/MPH (MSU)
2009	Jamie Dion	MPH (Environmental Health)
2009	Elizabeth VanDyk	DVM/MPH (MSU)
2009	Leslie Nordgren	PhD (Environmental Health)
2009	Lindsay Hornickel	MPH (Environmental Health)
2009	Jason Crawford	DVM/MPH (CSU)
2009	Wendy Whitney	DVM/MPH
2009	Matt Allerson	DVM/MPH
2009	Kim Helmbold	DVM/MPH
2009	Mary Beth Kamnetz	MS (Food Science)
2008	Sandra Lefebvre	PhD (Guelph, Canada)
2008	Megan Craft	PhD (Ecology, Evolution, and Behavior)
2008	Margaret Carl	DVM/MPH
2008	Kristin Vicar	MS (Environmental Health)
2008	Geoff Lynn	MS (Environmental Health)
2008	Mary Beth Kamnetz	MS (Food Science)
2007	Amit Pal	PhD (Food Science)
2007	Sara Williams	MPH (Environmental Health)
2007	Emily Abbot	MS (Epidemiology)
2007	Jennifer Grannick	MS (VCS)
2007	Morgan Hennessey	MPH (Public Practice)
2007	Emily Thompson	MS (Environmental Health)
2007	Elle Scherman	MPH (Environmental Health)
2007	Lauren Nils	MPH (Environmental Health)
2007	Heather Swan	DVM/MPH
2007	Mindy Rostal	DVM/MPH

2007	Margaret Venuto	MPH (Public Practice)
2007	Susan McClanahan	MPH (Public Practice)
2007	Klaudyna Borewicz	MS (Entomology)
2007	Elizabeth Scherman	MPH (Environmental Health)
2007	Margaret Venuto	MPH
2006	Vanessa Lopes	PhD (Veterinary Medicine)
2006	Elizabeth Boyle	MPH (Environmental Health)
2006	Molly Mills	MS (Food Science)
2006	Heather Case	MPH (PHP)
2006	Heather Swan	MPH (DVM/MPH)
2006	Tim Boyer	MPH (Environmental Health)
2006	Lindsey Leshner	MPH (Environmental Health)
2005	Carlota Medus	PhD (Environmental Health)
2005	Julie LeBlanc	MPH
2005	Fred Anderson	MPH (Environmental Health)
2005	Anna Firschman	PhD (Veterinary Medicine)
2004	Nicole Neeser	MPH
2004	Jeff Sholl	PhD (Food Science)
2004	Kimberly Carlton	MPH
2004	Paul Reiter	MPH
2004	Gerry Schamberger	PhD (Food Science)
2004	Agnes Szaszak	MS (Veterinary Medicine)
2004	Kim Reske	MPH
2004	Denise Feda	MPH
2004	Mindy Spiehs	PhD (Animal Science)
2004	Chuck Fossler	PhD (Veterinary Medicine)
2003	Kerrin Palazzi	MPH
2003	Rosemary Turner	MPH
2003	Katherine Grimm	MPH
2002	Mary Afton	MS (Environmental Health)
2002	Jeff Counters	MPH
2002	Pamala Gahr	MPH
2002	Laura Kiehnbaum	MS (Veterinary Medicine)
2002	Sara Stenzel	MPH
2000	Dana Soderlund	MPH
2000	Luwanna Lupole	MS (Environmental Health)
1999	Paul A Sjorberg	MPH
1999	Carlota Medus	MPH

*EXAMINING COMMITTEE - CURRENT STUDENTS: (6 PhD)*

2018	Umanga Gunasekera	PhD (Veterinary Medicine)
2018	Annie Jahan	PhD (Veterinary Biologic Sciences)
2017	Melissa McMahan	PhD (Environmental Health)
2016	Michael Mahero	PhD (Veterinary Medicine)

**XVII. RESEARCH INTERESTS:**

- 1) Antimicrobial Resistance
- 2) Food Safety
- 3) Zoonoses and Emerging Diseases
- 4) Infectious Disease Surveillance
- 5) Infection Prevention and Control

**XVIII. RESEARCH SUPPORT:**

Council for State and Territorial Epidemiologists (Scheftel)  
*Surveillance and Investigation of SARS-CoV-2 in Animals, Minnesota, 2020*

10/1/2020 – 12/31/2021

Detection of SARS-CoV-2 in companion animals, shelter animals, and wildlife.

Role: Co-PI

ELC and Centers of Excellence (Beaudoin)

08/1/2020 – 07/31/2022

Minnesota Dept of Health/Centers for Disease Control and Prevention

*Combat Antimicrobial Resistant Infections*

The focus of this year's work includes 1) characterizing multi-drug resistant organisms in the veterinary setting and 2) developing preliminary definitions of healthcare-associated infections (HAI) in the companion animal context.

Role: Co-Investigator

Centers for Disease Control and Prevention (Stauffer)

09/1/2020 – 8/31/2021

National Resource Center for COVID-19 Contact Tracing, Prevention, and Mitigation Programs for At-Risk Refugee, Immigrants, and Migrants in the United States

Support state and local health departments conducting mitigation, prevention, and control measures including case definition, vaccination and other programs among at-risk refugees, immigrant and migrants through a National Resource Center.

Role: Co-Investigator

2U54OH010170-06 (Bender)

09/30/2020 – 9/29/2021

Centers for Disease Control and Prevention – NIOSH

*Upper Midwest Agricultural Safety and Health Center*

This Center of Excellence in Agricultural Disease and Injury research, education, and prevention builds formal collaborations among 5 prominent institutions: the University of Minnesota School of Public Health, University of Minnesota College of Veterinary Medicine, the National Farm Medicine Center of Marshfield Clinic, the Minnesota Department of Health. These institutions bring unique and complimentary resources to address existing and emerging occupational health and safety issues in livestock and poultry production.

Role: Director of the Center

3U54OH010170-07S1 (Bender)

09/30/2017 – 9/29/2021

1.2 calendar mo

CDC-NIOSH

\$866,983 (direct)

*Promoting Safety and Worker Health for Immigrant Dairy Workers*, project as part of Upper Midwest Agricultural Safety and Health (UMASH) Center

The goal of this project is to improve the occupational health and safety of Minnesota's growing immigrant dairy workforce using a One Health approach that engages a multidisciplinary team of clinicians, veterinarians, producers, workers and community health centers. It will build on a community health worker model to evidence-based immigrant dairy worker training and develop evidenced-based interventions to improve worker health and safety and general worker health.

Role: PI

AID-OAA-A-15-00014 (Pelican K)

11/17/2014-2/15/2020

6.0 calendar mo

USAID – Global Pandemic Threats 2

Ceiling of Award: \$63.7M

This program under the Emerging Pandemic Threats program supports One Health Workforce development. This includes building leadership and capacity of Universities across 12 countries in Africa and Southeast Asia (i.e. One Health University networks). These networks share the vision of shaping the workforce including faculty development, engagement and training of multiple government and non-government employees, and student education. In addition, other funding supports evaluation of health impacts with changing land use (DEAL).

SHEPheRD IDIQ Contract (PI - Bender)

09/30/2016 – 08/31/2021

2.4 calendar mo

Centers for Disease Control and Prevention

\$1,300,000

200-2016-91795

*Antibiotic Use and Resistance in Companion Animals*

Major goals: is to develop surveillance systems to detect antibiotic resistance organisms in companion animals and develop a corresponding stewardship program.

2U54OH010170-06 (Alexander)

09/30/2016 – 9/29/2020

2.4 calendar mo

Centers for Disease Control and Prevention – NIOSH

\$1,700,000

*Upper Midwest Agricultural Safety and Health Center*

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Role: Co-Director of the Center

Centers for Disease Control (Bender) MDH/CDC	09/01/2016 – 08/31/2018	2.4 calendar mo \$256,400
<i>Enhancement and Publicity of the AMRLS for Veterinary Students and the Veterinary Antibiotic Resistance and Stewardship Need Assessment</i>		
Major goals: Updating educational program for veterinary students and veterinarians. This includes the development of new case study modules and an assessment of core veterinary training on antibiotic resistance.		
AKC Animal Health Foundation (PI-Whitten)	07/1/2016 – 06/30/2017	0.0 calendar mo \$14,985
<i>Prevalence of B. canis in Shelter Dogs</i>		
Major goal: Measure how common exposure to this disease is in dogs entering Minnesota canine rescues or shelters. A screening test will be used to determine the presence of <i>B. canis</i> antibodies in the blood of sampled dogs. Samples that are positive by the screening test will be confirmed by additional testing.		
14-289 (PI - Alexander) National Pork Board	12/15/2014 – 9/30/2016	0.12 calendar mo \$139,615
<i>Assessment of Injuries in Pork Production Facilities</i>		
The goal of this of this project is to evaluate existing data systems to improve the comprehensive and routine assessment of the frequency, causes burden and cost of work related injury and illness in swine production facilities. This project will build a partnership between the University of Minnesota, the National Pork Board, and key US pork industry leaders		
Univ of Minnesota/Chiang Mai Univ (Bender)	03/01/2015 - 02/28/2016	1.2 calendar mo \$30,000
<i>Antibiotic Stewardship in Companion Animal Practice</i>		
Major goals: 1) To evaluate practitioner approaches and practices in regard to Urinary Tract Disease (UTD) in dogs and Superficial Bacterial Folliculitis (SBF) in dogs; 2) Collect skin and urinary cultures to validate the type of organisms and antibiotic susceptibility observed in the clinical setting at each institution; and 3) Develop an institution specific antibiogram and guidelines for veterinary practitioners and students.		
Jenny-O Turkey Store Contract (Wells and Bender)	06/01/2015 – 5/31/2016	\$130,000
<i>Investigation of the Highly Pathogenic H5N2 in Minnesota</i>		
Conduct a case-control study to determine risk factors for H5N2 avian influenza virus infection in poultry in Minnesota.		
Minnesota State Fair Contract (Goldsmith/Bender)	8/1/2014 – 7/31/2015	\$13,000
<i>Environmental Salmonella Contamination and Risk to the Public</i>		
Goal was to identify risk areas in animal holding facilities and review disinfection protocols during exhibition events.		
University of Minnesota (Alvarez)	7/01/2014 – 6/30/2015	\$43,000
<i>Monitoring the Host-Pathogen Complex for Salmonella in livestock and Companion Animals.</i>		
Determine common features of human and animal salmonella isolates from Minnesota Department of Health and Minnesota Veterinary Diagnostic Laboratory surveillance samples.		
University of Minnesota (Hedberg)		\$95,000
MN Drive Proposal		
<i>Developing a Risk Management Framework to Improve Public Health Outcomes by Enumerating Salmonella in Ground Meat and Poultry Products</i>		
University of Minnesota (Sorge)		\$50,000
CVM Population Systems		
<i>Stockmanship Training as Tool to Improve Cattle Flow and Productivity and Reduce the Injury Risk of Workers on Dairy Farms</i>		

University of Minnesota (Johnson) Healthy Foods Healthy Lives <i>Prevalence and Molecular Epidemiology of Clostridium difficile in Food and Companion Animals, Retail Meats, and Humans in Minnesota 2011-2013, (Co-investigator)</i> Characterize <i>C. difficile</i> isolates collected regionally from food, animals and humans in Minnesota.	5/1/2011 – 4/30/2013	\$100,000
University of Minnesota (Valberg) Agriculture Experiment Station, Rapid Agricultural Response Funds. <i>Atypical Pasture Myopathy in Horses</i> Determine factors for seasonal sudden death in horses in Minnesota.	6/1/2011 – 5/31/2012	\$150,000
5U54OH010170-02 (Alexander) Centers for Disease Control and Prevention – NIOSH <i>Upper Midwest Agricultural Safety and Health Center</i> This Center of Excellence in Agricultural Disease and Injury research, education, and prevention builds formal collaborations among 5 prominent institutions: the University of Minnesota School of Public Health, University of Minnesota College of Veterinary Medicine, the National Farm Medicine Center of Marshfield Clinic, the Minnesota Department of Health. These institutions bring unique and complimentary resources to address existing and emerging occupational health and safety issues in livestock and poultry production. Role: Co- Principle Investigator and Co-Director of the Center	09/30/2011 – 9/29/2016	\$8,500,000
U19 CI000407 CDC (Bender) Centers for Disease Control <i>Avian Influenza Cooperative Research Centers</i>	09/30/2006 – 12/31/2010	2.4 calendar \$2,700,000
This center is studying influenza transmission at the Human-Animal interface. This includes the ability of low-pathogenic avian and swine influenza viruses to be transmitted from animal hosts to humans. A key part of this effort is to measure the effect that hygiene and personal protection interventions have on the rates of virus transmission.		
HHSN266200700007C (Osterholm) NIH <i>Minnesota Center of Excellence for Influenza Research and Surveillance (MCEIRS)</i> MCEIRS focuses on the detection, epidemiology, ecology, and transmission of avian influenza (AI) viruses with pandemic potential. Current efforts include a survey of the practices and personal protection used by those who work with wild birds.	09/30/2008 – 03/29/2011	0.6 calendar months \$300,000
Univ of Minnesota (Diaz) Univ of MN—Healthy Foods Healthy Lives Initiative <i>Microbial Ecology, Control and Consumer Perception of Foodborne Pathogens Associated with Fresh Vegetables</i> Goal was to understand the microbial ecology of <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> in small local produce vegetables in Minnesota.	01/01/2008 – 12/31/2010	0.12 calendar months \$578,005
09-9028-0243-CA (Bender) USDA CEAH-UMN <i>Systematic Literature Review and Disease Spread Modeling</i> Conduct and document a systematic literature review and meta-analysis of Rift Valley Fever, vector-borne disease modeling, and modeling of disease dynamics from wildlife/livestock interactions.	10/01/2009 – 09/30/2010	0.36 calendar months \$204,536
U50-C1000483-01(Bender) Contract MN Dept of Health/CDC <i>Educational Efforts to Prevent Antimicrobial Resistance and Promote Appropriate Antibiotic Use</i> Produce and disseminate teaching materials for veterinarians, veterinary students, and Minnesota livestock/poultry aimed at promoting appropriate antimicrobial use. Role: Principal Investigator	07/01/2010 – 07/31/2010	0.36 calendar months \$26,000
University of Minnesota (Gooden/Bender) Ag Experimental Station <i>Development and application of a Minnesota Dairy Health Surveillance Network</i> To monitor strains of shiga-toxin producing <i>E. coli</i> and methicillin-resistant <i>Staphylococcus aureus</i> from Minnesota Dairy operations.	6/1/2008 – 5/31/2010	\$278,000

2005-51110-02332 (Hedberg/Shutske)	09/01/2005 - 08/31/2009	1.20 calendar months
USDA-CSREES		\$600,000
<i>NCFPD-AFDO Project to Support and Promote Intergovernmental Collaboration on Food Protection and Defense</i>		
Develop an integrated program to understand the relationship between federal, state and local authorities on issues of food biosecurity		
Role: Co-Investigator		
National Pork Board (Davies)	09/01/07 – 08/31/08	
<i>MRSA in swine, pork products, and swine veterinarians</i>		\$60,000
Determine prevalence and characteristics of MRSA in pigs, pork products, and swine veterinarians		
Minnesota Department of Health	3/01/08 – 2/28/09	
Minnesota Department of Health/CDC (ELC)		\$10,000
<i>Educational efforts to prevent antimicrobial resistance and promote appropriate antibiotic use.</i>		
Major goal: Develop educational training modules regarding appropriate antibiotic use for veterinary students and producers		

Prior to 2006

USDA, Foreign Agricultural Service Scientific Cooperation Research Program, Evaluation of Regional Variation in the Epidemiology of Johne's Disease in Cattle Dense Regions in the Americas (US, Uruguay, Bolivia) Co-investigator, 2005, \$15,000.

National Integrated Food Safety Initiative. USDA, National Integrated Food Safety Initiative, co-principle investigator, 2005 – 2008, \$2,000,000.

Minnesota Department of Health. Antibiotic resistance education for veterinarians, co-investigator, 2004-2007, \$35,000.

Canine Health Foundation. Management practices and descriptive epidemiology of morbidity and mortality of police work dogs, co-principle investigator, 2004, \$12,960.

Minnesota Department of Health. West Nile Surveillance of Minnesota horses and characterization of mosquito fauna, co-principle investigator, 2003-2005, \$312,000.

CVM Merck –Meril Summer Scholars Program. Antibiotic susceptibility of *Escherichia coli* isolates from community and hospital patients at the Veterinary Medical Center, principle investigator, 2005, \$4,000.

US Department of Education. Health, Environment, Livestock and People: An International Learning Community, collaborator, 2003-2006, \$200,000.

Agriculture Experiment Station, Rapid Agricultural Response Funds. Microbial safety of chicken grown without antibiotics, co-investigator, 2003, \$82,000.

National Association of City and County Health Officials. An assessment of the Minneapolis announced inspection program, co-investigator, 2003, \$50,000.

CVM Merck –Meril Summer Scholars Program. West Nile Surveillance: Improved protocol for testing, principle investigator, 2003, \$4,000.

Agriculture Experiment Station, Rapid Agricultural Response Funds. Characterizing anthrax patterns in Minnesota to predict future outbreaks and ensure preparedness, principle investigator, 2002, \$45,000.

Centers for Disease Control and Prevention. Resistant *Enterococcus faecium* in humans and poultry, co-investigator, 2001-2004, \$1,396,456.

Purina Student Projects. Impact on Feline Health of raw food versus commercial diet, principle investigator, 2001, \$6,975.

University of Minnesota, Academic Health Center. Shiga-toxin producing *Escherichia coli* (STEC), occurrence in dairy cattle and risk factors for human infections in agriculture and urban settings, co-principle investigator, 2000, \$168,922.

University of Minnesota, Animal Health and Food Safety Center Grant. Molecular characterization of on-farm *Salmonella* isolates from Dairy Cattle in Minnesota, co-investigator, 2000, \$33,203.

Minnesota Agriculture Experiment Station. Use of molecular epidemiology to describe the clonal diversity of *Mycobacterium avium* subsp. *paratuberculosis*: A first step to more effective control methods, co-investigator, 2000, \$36,405.

University of Minnesota, Small Companion Animal Grants. Multidrug resistant *Salmonella typhimurium* in cats and the public health implications, principle investigator, 2000, \$5,000.

#### Minnesota Department of Health – Federal Cooperative Agreement Grants (1995 – 2000)

Emerging Infection Program U50/CCU5511190

Bioterrorism Preparedness U09/CCU516981-01

Shiga-toxin Producing *Escherichia coli* (Centers for Disease Control and Prevention)

### **XIX. PUBLICATIONS:** (Chronological Order)

#### **a) Refereed Papers in Scientific Journals**

1. Johnson TJ, Armstrong JR, Johnston B, Merino-Velasco I, Jamborova I, Singer RS, Johnson JR, **Bender JB**. Occurrence and potential transmission of extended-spectrum beta-lactamase-producing extraintestinal pathogenic and enteropathogenic *Escherichia coli* in domestic dog faeces from Minnesota. *Zoonoses Public Health*. 2022 Jul 7. doi: 10.1111/zph.12985. Epub ahead of print. PMID: 35799333. DOI: <http://dx.doi.org/10.1111/zph.12985>
2. Charlier D, Wilson M, Modderman C, Cortus E, Janni K, Peterson C, Schossow M, Alexander BH, **Bender JB** (2022) Assessing self-reported occupational hazards of manure applicators in the Upper Midwest, *Journal of Agromedicine*, DOI: [10.1080/1059924X.2022.2089423](https://doi.org/10.1080/1059924X.2022.2089423)
3. Schossow M, Kampa D, **Bender J**. Building Resilient Agricultural Communities: A Process for Addressing Mental Health Challenges in Agricultural Communities. *J Agromedicine*. 2022 Apr 5:1-4. doi: 10.1080/1059924X.2022.2058138. Epub ahead of print. PMID: 35350965.
4. Worsley-Tonks KEL, **Bender JB**, Deem SL, Ferguson AW, Fèvre EM, Martins DJ, Muloi DM, Murray S, Mutinda M, Ogada D, Omondi GP, Prasad S, Wild H, Zimmerman DM, Hassell JM. Strengthening global health security by improving disease surveillance in remote rural areas of low-income and middle-income countries. *Lancet Glob Health*. 2022 Apr;10(4):e579-e584. doi: 10.1016/S2214-109X(22)00031-6. PMID: 35303467; PMCID: PMC8923676.
5. Worsley-Tonks KEL, Gehrt SD, Miller EA, Singer RS, **Bender JB**, Forester JD, McKenzie SC, Travis DA, Johnson TJ, Craft ME. Comparison of Antimicrobial-Resistant *Escherichia coli* Isolates from Urban Raccoons and Domestic Dogs. *Appl Environ Microbiol*. 2021 Jul 13;87(15):e0048421. doi: 10.1128/AEM.00484-21. Epub 2021 Jul 13. PMID: 33990315; PMCID: PMC8315739.
6. Chanayat, Y.; Akatvipat, A.; **Bender, J.B.**; Punyapornwithaya, V.; Meeyam, T.; Anukool, U.; Pichpol, D. The SCCmec Types and Antimicrobial Resistance among Methicillin Resistant *Staphylococcus* Species Isolated from Dogs with Superficial Pyoderma. *Vet. Sci*. 2021, 8, 85. <https://doi.org/10.3390/vetsci8050085>
7. Yung MT, Vázquez RC, Liebman A, Brihn A, Olson A, Loken D, Contreras-Smith A, **Bender J**, Kirsch JD. COVID-19 Awareness and Preparedness of Minnesota and Wisconsin Dairy Farms. *J Agromedicine*. 2021 Jul;26(3):352-359. doi: 10.1080/1059924X.2021.1927925. Epub 2021 Jul 10. PMID: 33969812.
8. Hayer SS, Casanova-Higes A, Paladino E, Elnekave E, Nault A, Johnson T, **Bender J**, Perez A, Alvarez J. Global Distribution of Fluoroquinolone and Colistin Resistance and Associated Resistance Markers in *Escherichia coli* of Swine Origin - A Systematic Review and Meta-Analysis. *Front Microbiol*. 2022 Mar 9;13:834793. doi: 10.3389/fmicb.2022.834793. PMID: 35359709; PMCID: PMC8961385.

9. Worsley-Tonks KEL, Miller EA, Anchor CL, **Bender JB**, Gehrt SD, McKenzie SC, Singer RS, Johnson TJ, Craft ME. Importance of anthropogenic sources at shaping the antimicrobial resistance profile of a peri-urban mesocarnivore. *Sci Total Environ.* 2021 Apr 10;764:144166. doi: 10.1016/j.scitotenv.2020.144166. Epub 2021 Jan 2. PMID: 33401044.
10. Anuchatkitcharoen C, Nume S, **Bender J**, Awaiwanont N, and Intanon M. Prevalence and antimicrobial resistance of Salmonella isolated from backyard pigs in Chiang Mai, Thailand. *Vet Integrative Sci* 2020;18:
11. Rodroo J, Intanon M, Kreausukon K, Kongkaew A, **Bender J**, Awaiwanont N. Occurrence of extended-spectrum beta-lactamase producing *E. coli* in broiler farm workers and the farm environment in Chiang Mai-Lamphun, Thailand. *Vet Integrative Sci* 2020;19:
12. Jackson KM, Pelletier KC, Scheftel J, Kerkaert JD, Robinson SL, McDonald T, **Bender JB**, Knight JF, Ireland M, Nielsen K. Analysis and modeling of *Blastomyces dermatitidis* environmental prevalence in Minnesota using soil collected to compare basal and outbreak levels. *Appl Environ Microbiol.* 2020 Dec 18:AEM.01922-20. doi: 10.1128/AEM.01922-20. Online ahead of print.PMID: 33355116
13. Kanankege KST, Phelps NBD, Vesterinen H, Alvarez J, **Bender JB**, Wells SJ, Perez AM. Lessons learned from the stakeholder engagement in research: application of spatial analytical tools in One Health problems. *Frontiers in Veterinary Science* 2020;7:254. Doi:10.3389/fvets.2020.00254
14. Nirmala J, **Bender JB**, Lynfield R, Yang M, Rene Culhane M, Nelson MI, Sreevatsan S, Torremorell M. Genetic diversity of influenza A viruses circulating in pigs between winter and summer in a Minnesota live animal market. *Zoonoses Public Health.* 2020 May;67(3):243-250. doi: 10.1111/zph.12679. Epub 2019 Dec 23.PMID: 31868300
15. Myhre Errecaborde K, Wuebbolt Macy K, Pekol A, Perez S, O'Brien MK, Allen I, Contadini F, Lee JY, Mumford E, **Bender JB**, Pelican K. Factors that Enable Effective One Health Collaborations - A Scoping Review of the Literature *PLoS* 2019;14. doi:org/10.1371/journal.pone.0224660
16. Hunprasit V, Schreiner PJ, **Bender JB**, Lulich JP. Epidemiologic evaluation of calcium oxalate urolithiasis in dogs in the United States: 2010-2015. *J Vet Intern Med.* 2019 Sep;33(5):2090-2095. doi: 10.1111/jvim.15613. Epub 2019 Aug 30.PMID: 31471926
17. Sampedro F, Wells SJ, **Bender JB**, Hedberg CW. Developing a risk management framework to improve public health outcomes by enumerating Salmonella in ground turkey. *Epidemiol Infect.* 2018 Dec 6:1-8. doi: 10.1017/S095026881800328X. [Epub ahead of print] PubMed PMID: 30520390.
18. Kanankege K, Abdrakhmanov SK, Alvarez J, Glaser L, **Bender JB**, Mukhanbetkaliyev YY, Korennoy FI, Kadyrov AS, Abdrakhmanova AS, Perez AM. Comparison of spatiotemporal patterns of historic natural Anthrax outbreaks in Minnesota and Kazakhstan. *PLoS One.* 2019;14(5):e0217144. Published 2019 May 17. doi:10.1371/journal.pone.0217144
19. Peck M, Chayanee J, Amonsin A, Napawan B, Chanachai K, Somrongthong R, Alexander B, **Bender JB**. Knowledge, attitudes and practices associated with brucellosis among small-scale goat farmers in Thailand. *J Agromedicine* 2018 DOI: 10.1080/1059924X.2018.1538916
20. Godden SM, Foutz CA, **Bender JB**, Diez-Gonzalez F, Akhtar ML, Vatulin A. Exposure to antibiotics through the milk diet or systemic therapy is associated with a transient increase in antimicrobial resistance in fecal *Escherichia coli* of dairy calves. *J Dairy Sci,* 2018. 101:10126–10141 <https://doi.org/10.3168/jds.2018-14598>.
21. Kim WH, An JU, Kim J, Moon OK, Bae SH, **Bender JB**, Cho S. [Risk factors associated with highly pathogenic avian influenza subtype H5N8 outbreaks on broiler duck farms in South Korea.](#) *Transbound Emerg Dis.* 2018 Oct;65(5):1329-1338. doi: 10.1111/tbed.12882. Epub 2018 Apr 19. PubMed PMID: 29673109.
22. Manning LK, Wünschmann A, Armien AG, Willette M, MacAulay K, **Bender JB**, Buchweitz JP, Redig P. [Lead Intoxication in Free-Ranging Bald Eagles \( \*Haliaeetus leucocephalus\* \).](#) *Vet Pathol.* 2018 Dec 16:300985818813099. doi: 10.1177/0300985818813099. [Epub ahead of print] PubMed PMID: 30556491.



23. Shaughnessy MK, Snider T, Sepulveda R, Boxrud D, Cebelinski E, Jawahir S, Holzbauer S, Johnston BD, Smith K, **Bender JB**, Thuras P, Diez-Gonzalez F, Johnson JR. [Prevalence and Molecular Characteristics of Clostridium difficile in Retail Meats, Food-Producing and Companion Animals, and Humans in Minnesota](#). J Food Prot. 2018 Oct;81(10):1635-1642. doi: 10.4315/0362-028X.JFP-18-104. PubMed PMID: 30198756.
24. Peck ME, Chanachai K, Jenpanich C, Amonsin A, Alexander BH, **Bender JB**. [Seroprevalence of brucellosis in goats and sheep in Thailand: Results from the Thai National Brucellosis Surveillance System from 2013 to 2015](#). Transbound Emerg Dis. 2018 Jun;65(3):799-805. doi: 10.1111/tbed.12826. Epub 2018 Feb 19. PubMed PMID: 29460417; PubMed Central PMCID: PMC5932242.
25. Alvarez J, Whitten T, Branscum AJ, Garcia-Seco T, **Bender JB**, Scheftel J, Perez A. Understanding Q Fever Risk to Humans in Minnesota Through the Analysis of Spatiotemporal Trends. Vector Borne Zoonotic Dis. 2017 Dec 20. doi: 10.1089/vbz.2017.2132. [Epub ahead of print] PubMed PMID: 29261435.
26. Sun J, Yang M, Sreevatsan S, **Bender JB**, Singer RS, Knutson TP, Marthaler DG, Davies PR. Longitudinal study of *Staphylococcus aureus* colonization and infection in a cohort of swine veterinarians in the United States. BMC Infect Dis. 2017 Oct 19;17(1):690. doi: 10.1186/s12879-017-2802-1. PubMed PMID: 29052523; PubMed Central PMCID: PMC5649086.
27. Wells SJ, Kromm MM, VanBeusekom ET, Sorley EJ, Sundaram ME, VanderWaal K, Bowers JWJ, Papinaho PA, Osterholm MT, **Bender J**. Epidemiologic Investigation of Highly Pathogenic H5N2 Avian Influenza among Upper Midwest Turkey Farms, 2015 Avian Diseases 2017;61:198-204.
28. Homkong P, Chutipongvivate P, Yano T, Punyapornwithaya V, **Bender JB**, Kreausukon K. Bacterial Contamination during Sterilization of Dogs in a Limited Resource Animal Control Setting. Asian J Animal Veterinary Advances 2017;12: 109-114.
29. Raynor PC, Engelman S, Murphy D, Ramachandran G, **Bender JB**, Alexander BH. Effects of gestation pens versus stalls and wet versus dry feed on air contaminants in swine production. J Agromedicine. 2017 Oct 4. doi: 10.1080/1059924X.2017.1387633. [Epub ahead of print] PubMed PMID: 28976266.
30. Hunspravit V, Lulich J, **Bender JB**, Schreiner P. Epidemiologic Evaluation of Canine Urolithiasis in Thailand from 2009 to 2015. 2017 Res in Vet Sci 115:366-370.
31. Hong S, Rovira A, Davies P, Ahlstrom C, Muellner P, Rendahl A, Olsen K, **Bender JB**, Wells S, Perez A, Alvarez J. Serotypes and Antimicrobial Resistance in Salmonella enterica Recovered from Clinical Samples from Cattle and Swine in Minnesota, 2006 to 2015. PLoS One 2016;11. DOI: 10.1371/journal.pone.0168016
32. Buswell M, Hourigan M, Nault A, **Bender JB**. Needlestick Injuries in Agriculture Workers and Prevention Programs. J Agromedicine 2016;21:82-90. DOI:10.1080/1059924X.2015.1106996
33. Choi MJ, Torremorell M, **Bender JB**, Danila R, Smith KE, Boxrud D, Ertl JR, Yang M, Suwannakarn K, Her D, Nguyen J, Uyeki TM, Levine M, Jhung M, Vetter S, Wong K, Sreevatsan S, Lynfield R. Live animal markets in Minnesota, a potential source for emergence of novel influenza A viruses and interspecies transmission. Clin Infect Dis 2015;61:1355-1362.
34. Odo NU, Raynor PC, Beaudoin A, Somrongthong R, Scheftel JM, Donahue JG, **Bender JB**. Personal Protective Equipment Use and Hand Washing among Animal Farmers: A Multi-Site Assessment." Journal of Occupational & Environmental Hygiene. 2015;12:363-368.
35. Hamilton KE, UMBER J, Hultberg A, Tong C, Schermann, Diaz-Gonzalez F, **Bender JB**. Validation of Good Agricultural Practices (GAP) on Minnesota Vegetable Farms. Food borne Pathogens and Diseases 2015;12:145-150.
36. Wünschmann A, Armien AG, Butler E, Schrage M, Stromberg B, **Bender JB**, Firshman AM, Carstensen M. Necropsy findings in 62 opportunistically collected free-ranging moose (*Alces Alces*) from Minnesota (2003-2013). J Wildlife Diseases 2015;51:157-165. doi: <http://dx.doi.org/10.7589/2014-02-037>

37. Sorge US, Cherry C, **Bender JB**. Perception of the importance of Human-Animal interactions on cattle flow and worker safety in Minnesota Dairy Farms. *J Dairy Sci* Jan 2014 doi.org/10.3168/jds.2014-7971
38. Whitten T, **Bender JB**, Smith KE, Leano F, Scheftel J. Reptile-Associated Salmonellosis in Minnesota, 1996-2011. *Zoonoses Public Health*. 2014 Jun 9. doi: 10.1111/zph.12140. [Epub ahead of print]
39. Draper A, **Bender JB**, Firshman AM, Baird JD, Reed S, Mayhew IG, Valberg SJ. Epidemiology of Shivers. *Equine Vet J*. 2014 May 6. doi: 10.1111/evj.12296. [Epub ahead of print]
40. Nordgren L, Gerberich S, Alexander B, Church T, **Bender J**, Ryan A. An epidemiological study of the magnitude and consequences of and risk factors for work-related injuries to veterinary technicians. *J Am Vet Med Assoc*. 2014 Aug 15;245(4):425-33. doi: 10.2460/javma.245.4.425
41. Nordgren L, Gerberich S, Alexander B, Church T, **Bender J**, Ryan A. Risk factors for work-related bite injuries to Minnesota Certified Veterinary Technicians. *J Am Vet Med Assoc*. 2014 Aug 15;245(4):434-40. doi: 10.2460/javma.245.4.434.
42. Ruple-Czerniak AA, Aceto HW, **Bender JB**, Paradis MR, Shaw SP, Van Metre DC, Weese JS, Wilson DA, Wilson J, Morley PS. Syndromic surveillance for evaluating the occurrence of healthcare-associated infections in equine hospitals. *Equine Vet J*. 2013 Sep 12. doi: 10.1111/evj.12190. [Epub ahead of print] Available <http://onlinelibrary.wiley.com/doi/10.1111/evj.12190/pdf>.
43. Ruple AA, Aceto H, **Bender JB**, Paradis MR, Shaw SP, Van Metre DC, Weese JS, Wilson DA, Wilson J, Morley PS. Syndromic surveillance to estimate baseline rates for healthcare-associated infections in critical care units of small animal referral hospitals. *J Vet Intern Med* 2013;27:1392–1399.
44. Cho S, Diez-Gonzalez F, Fossler C, Wells SJ, Hedberg CW, Kaneene JB, Ruegg P, Warnick L, **Bender JB**. Herd-level risk factors associated with fecal shedding of Shiga toxin-encoding bacteria on dairy farms in Minnesota, USA. *Can Vet J* 2013;54:693–697.
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**b) Published Commentaries/Letters**

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**d) Book Chapters**

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**e) Papers Published in Proceedings of National Meetings**

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**f) Papers Published in Proceedings of International Meetings**

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2. Bender JB. Organic Foods, Are they safer? Ontario Veterinary Medical Association. Montreal, Jan 2010
3. Bender J. The emergence of a bad bug: treatment, infection control and public health challenges for methicillin-resistant *Staphylococcus aureus* (MRSA). American College of Veterinary Internal Medicine Annual Meeting. Montreal, Canada. June 2009.
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**g) Publications in Lay Journals, Extension Bulletins and Continuing Education Publications**

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### 3. EXTENSION WEBSITE INFORMATION:

- Handwashing and agrotourism video ([www.umash.umn.edu](http://www.umash.umn.edu))
  - Needlestick prevention for swine and dairy workers, English and Spanish ([www.umash.umn.edu](http://www.umash.umn.edu))
  - Stockmanship for dairy workers, English and Spanish ([www.umash.umn.edu](http://www.umash.umn.edu))
  - Raw food diets and pets <http://www.cvm.umn.edu/>
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#### h) Abstracts

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3. Tory Whitten, Devi Patnayak, Graham Brayshaw, Julio Alvarez, Peggy Root, Christina Larson, **Jeff Bender**, Stacy Holzbauer, Jerry Torrison, Joni Scheftel. Prevalence of *B. canis* in dogs entering a Minnesota animal rescue organization. CSTE, Florida. June 2018.
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  8. Evanson J, **Bender J**, Alexander BH, Green Deirdre. A summary of injuries reported at swine production companies. Midwest Rural Agricultural Safety and Health Conference. November 15-16, 2016 Sioux Center, Iowa.
  9. Raynor PC, Engelman S, Murphy D, Ramachandran G, **Bender JB**, Alexander B. Factors affecting particle and gas concentration in swine production facilities. American Association for Aerosol Research Annual conference. October, Minneapolis, MN 2016
  10. Alexander BH, **Bender JB**, Murphy D. Adapting the Haddon Matrix to Incorporate One Health Approaches in Occupational Health and Animal Agriculture. EPICOH, Barcelona, Spain September 2016
  11. **Bender JB**, Green D, Evanson J, Alexander BH. Injuries among Swine Workers Related to Needlesticks. EPICOH, Barcelona, Spain September 2016
  12. Armstrong J, Johnson T, Pantlin G, Danzeisen J, Kobluk K, Olsen K, **Bender JB**. Use, Characterization, and Potential Zoonotic and Antibiotic Resistant Organisms among Dogs Using Dog Parks in the Minneapolis/St. Paul Metropolitan Area. Emerging Infectious Disease Conference August 2015. Atlanta GA.
  13. **Bender J**. Successes and Future Challenges in Food Safety. Researchers Conference Emerging Disease at Convergence of Animal, Human, and Environmental Health. February 2015. Chiang Mai, Thailand
  14. Murphy D, Raynor P, Engleman S, Ramachandran G, **Bender J**, Alexander B. Effects of production practices and environmental factors on air contaminants in swine facilities. Lemna Conference St. Paul, MN September 2014.
  15. Hourigan ME, Haycraft D, Zaidman B, Whitman A, Alexander B, **Bender J**. Pork Industry Injuries in Minnesota: An analysis of Workers' Compensation Data 2003-2012. North American Ag Safety Summit 2014. Minneapolis, Minnesota.
  16. Snider T and **Bender J**. Prevalence and molecular epidemiology of *C. difficile* in food and companion animals, retail meat, and humans in Minnesota. Lemna Conference St. Paul, MN September 2014.
  17. Buswell ML, Hourigan M, Nault, **Bender JB**. A pilot study of worker safety training and injuries on small and medium sized dairies in Southeastern Minnesota. 2013 North American Ag Safety Summit. Published in *J Agromedicine* 2014;19;243-4.
  18. Cherry C, Swiggum R, Hourigan M, **Bender JB**. Worker Safety Training and Injuries on Dairies in Southeastern Minnesota and Western Wisconsin. 2013. North American Ag Safety Summit. Published in *J Agromedicine* 2014;19;206-7.
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22. M.Torremorell, **J. Bender**. M.Choi, J.Ertl, C,Corzo, M.Culhane. Detection and quantification of influenza A virus in swine environmental samples. Center for Excellence in Influenza Research and Surveillance Annual Meeting Memphis, TN July 2013
23. **Bender J**. Human-Animal Interface Studies: What have we learned and what do we need to learn? Center for Excellence in Influenza Research and Surveillance Annual Meeting Memphis, TN July 2013
24. Sepulveda R, Shaughnessy M, Snider T, Boxrud D, Cebelinski E, Smith K, **Bender J**, Johnson J, Holzbauer S, Venkitanarayanan K, Diez-Gonzalez F. Prevalence of *Clostridium difficile* in Retail Meats in Minnesota and Comparison of Animal and Human Isolates ASM Denver, CO May 2013
25. Ejobi F<sup>1</sup>, **Bender J**<sup>2</sup>, Farnham M<sup>2</sup>, Hamilton K<sup>2</sup>, Pelican K<sup>2</sup>, Rwego I<sup>1</sup>, Tamale A<sup>1</sup>, Travis D<sup>2</sup>, Mahero M<sup>2</sup>, Wanzala S<sup>1</sup>, Okech S<sup>1</sup>, Kabasa J.D<sup>1</sup>, and Majalija S<sup>1</sup> Developing One Health Practitioners Through Applied, Problem-Based Training: A ‘One Health Residency’ Model at Makerere University, Uganda Int Congress On Pathogens at the Human Animal Interface Brazil, 2013
26. Mahero M, Hamilton K, Hou Z, Schermann M, Tong C, Diez-Gonzalez F, **Bender J**. Evaluation of Good Agricultural Practices on Minnesota Vegetable Growing Operations. International Association for Food Protection, July 2012 Providence, RI.
27. Draper A, **Bender J**, Firshman A, Baird JB, Reed S, Mayhew IJ, Valberg SJ. The epidemiology of shivers in horses. American College of Veterinary Internal Medicine, June 2012.
28. Beaudoin A, **Bender J**. Prevalence of influenza A antibodies and risk factors for exposure in free-grazing ducks. International Conference on Emerging Infectious Diseases, March 2012. Atlanta, GA.
29. Beaudoin A, Singer R, **Bender J**, Isaac A. Using agent-based modeling of the village poultry sector in Thailand to identify opportunities for influenza transmission and potential interventions for disease control. Conf Research Worker in Animal Diseases. Chicago, IL, December 2011.
30. Newkirk R, **Bender J**. Establishing an Epidemiologic Baseline for Milkborne Disease Outbreaks: Potential Food Defense Implications. International Conference Emerging Infectious Diseases. Atlanta, GA July, 2010.
31. **Bender J**, Beaudoin A, Gramer M, Baker W, Gray G. Influenza virus among Midwestern pigs, 2008 – 2009. Council for State and Territorial Epidemiologist (CSTE). Portland, OR. June 2010
32. Johnston A, Pylka, S., Olsen K, Sreevatsan S, **Bender J**. Methicillin-resistant *Staphylococcus aureus* isolated from therapy dogs and handlers within a hospital setting. ASM-ESCMID Conference. London, UK September 2009.
33. **Bender J**, Hiber L. Infection Control and MRSA infections at a Veterinary Teaching Hospital. ASM-ESCMID Conference. London, UK September 2009.
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35. **Bender J**, Coughlan K, Water K, Boxrud D, Peterson K, Buck J. Methicillin-resistant *Staphylococcus aureus* (MRSA) infections among pets in Minnesota. Emerging Infectious Diseases, 2008. Atlanta, GA March 16-20.
36. BA Goupil, AM Trent, **JB Bender**, K Olsen, A Wünschmann, BR Morningstar, *Salmonella* Prevalence in a Captive Population of Snakes. ARAV 2008 Conference
37. **Bender JB**, Coughlan K, Waters K, Boxrud D, Peterson K, Jessica Buck. Emergence of MRSA infections in pets: public health importance and nosocomial implications. Council for State and Territorial Epidemiologists, Denver, CO June 2008
38. Schwabenlander S, Gramer M, Boxrud D, Medus D, **Bender J**. Epidemiology of *Listeria monocytogenes* in animals diagnosed at the Minnesota Veterinary Diagnostic Laboratory, 2001-2005. Minnesota Spring Dairy Conference. St. Paul, MN May, 2007
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40. Peterson KD, Novo R, Larweck MA, **Bender J**. Implementation of a surgical infection surveillance program at a small animal veterinary medical center. Association of Professionals in Infection Control (APIC) June 2007, San Jose, CA.
41. Shutske J, Schermann M, Wagstrom L, **Bender J**, Kirkhorn S, Powell T. A conceptual model of bundled risk communication and education to improve agriculture worker health and safety. APHA, 2006. Boston, MA November 4-8.
42. Novo R, Peterson K, Anclam P, **Bender J**, Larweck M. Implementing a surgical site surveillance program at a small animal veterinary teaching hospital. Minnesota Association of Professional in Infection Control. Fall 2006 (Poster)
43. **Bender, J**. Cutting K, Miller B, Friendshuh K, Bolding T, Nelson J, Danila R. Historical anthrax among animals and humans in Minnesota. International Conference on Emerging Infectious Diseases, 2006. abstr p.156. Atlanta, GA March 19-21.
44. Peterson K, Bey R, Olsen K, **Bender J**. Antibiotic Susceptibility of *E. coli* isolates from Community Practice and ICU Patients. Points of Pride, University of Minnesota, March 14-15, 2007 (Poster).
45. **Bender JB**, Davies P, Wagstrom L. Impact of the Danish policy banning antimicrobial growth promoter use in Danish pork production. American Public Health Association Meeting, Philadelphia, PA 2005
46. Cho S, **J Bender**, S. Wells, F. Diez-Gonzalez, C. Hedberg. Herd-Level Risk Factors for Shiga Toxin Producing *Escherichia coli* (STEC) on Organic and Conventional Dairy Farms in Minnesota. 105<sup>th</sup> General Meeting of the American Society for Microbiology, 2005.
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48. Minicucci L, **J Bender**, K. Blackford, D. Neitzel, P. Anderson, J. Wilson. Characterization of Equine West Nile Virus in Minnesota, 2002. International Conference on Emerging Infectious Diseases, 2004. abstr p. 123.
49. Cho S, **Bender J**, Fossler, Diaz F, Wells S, Hedberg C. Shiga Toxin producing *Esherichia coli* (STEC) from dairy farms and county fairs in Minnesota. CRWAD, 2003.
50. Wilson J, Davis A, **Bender JB**, Minicucci L. Residual effects of west nile viral encephalomyelitis in horses. American Association of Equine Practitioners, 2003

51. Kieke A, Belongia E, Vandermause M, Ivacic L, Spencer S, Borchardt M, **Bender JB** and Smith K. Preliminary analysis of streptogramin-resistant *E. faecium* from humans, retail poultry and turkey flocks. 43<sup>rd</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy Meeting, 2003
52. Firshman AM, Valberg SJ, Finno CJ, **Bender JB** and McKenzie EC. Sensitivity to insulin as a diagnostic test for polysaccharide storage myopathy in quarter horse foals. ACVIM, 2003.
53. Firshman AM, Valberg SJ, **Bender JB**, Finno CJ. Epidemiologic aspects of polysaccharide storage myopathy in Quarter Horses. 2002 ACVIM.
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56. Scheftel J, **Bender J**, Leano F, Boxrud D, Smith K. *Yersinia enterocolitica* Surveillance in Minnesota. Programs and abstracts of the International Conference on Emerging Infectious Diseases, March 2002, Atlanta, GA.
57. Smith K, **Bender J**, Stenzel S, Lindeman C, Adams J, Leano F. Comparison of animal and human multidrug resistant isolates of *Salmonella* Newport in Minnesota, Programs and abstracts of the International Conference on Emerging Infectious Diseases, March 2002, Atlanta, GA
58. **Bender J**, Danila R, Lindquist J, Sundberg L, Juni B, Bartkus J, Naimi T and investigative team. An outbreak of blastomycosis in Minnesota. Programs and abstracts of the International Conference on Emerging Infectious Diseases, March 2002, Atlanta, GA
59. Medus C, **Bender J**, Smith K, Leano FT, Besser J, Hedberg CW. Foodworkers as a source for Salmonellosis. International Association of Food Protection, August 2001, Minneapolis, MN.
60. Stenzel S, Wagstrom E, Soderlund D, Bartkus J, **Bender J**, Smith K. Outbreak of enteric infections of multiple etiologies due to contact with calves at a farm day camp. 41<sup>st</sup> Annual Inter Conf Antimicrobial Agents Chemotherapy. December 2001, Chicago, IL.
61. Frank R, **Bender J**, Smith K, Besser J, Culbertson K. Outbreak of multidrug resistant *Salmonella typhimurium* (DT104) in an animal shelter with spread to humans. United States Animal Health Association Meeting, October 2000, Birmingham, AL.
62. Dunne E, Wallace D, **Bender J**, Dembek Z, Davis M, Gilbert L, Zansky S, Griffin P, Mead P. Results from 3 years of active surveillance for hemolytic uremic syndrome (HUS) through FoodNet, United States, 1997-1999. Program and abstracts of the International Disease Society of America, September 2000, New Orleans, LA.
63. Lynfield R, Loos J, Bowman R, Hunt J, Goyal K, **Bender J**, Smith K, Sayler B, Filice G, Danila R. *Toxoplasma* Seroprevalence and *Toxoplasma* Ocular Disease in Minnesota, Programs and abstracts of the International Conference on Emerging Infectious Diseases, July 2000, Atlanta, GA.
64. Wallace D, Mead P, Shiferaw B, **Bender J**, Dembek Z, Davis M, Gilbert L, Zansky S, Griffin P and the EIP FoodNet Working Group. Active surveillance for Hemolytic Uremic Syndrome in FoodNet Sites: 1997-1998, Programs and abstracts of the International Conference on Emerging Infectious Diseases, July 2000, Atlanta, GA.
65. Gilbert L, Mead P, Blake P, Koehler J, **Bender J**, Desai S, Shallow S, Fiorentino T, Cieslak P...and the EIP FoodNet Working Group. Antimicrobial use is not a risk factor for hemolytic uremic syndrome after *E. coli*

- O157 Infection: results of a 1996-1997 FoodNet study, July 2000, Programs and abstracts of the International Conference on Emerging Infectious Diseases, July 2000, Atlanta, GA.
66. Soderlund D, Smith K, **Bender J**, Hedberg C. An epidemiologic investigation of cryptosporidiosis in Minnesota, Programs and abstracts of the International Conference on Emerging Infectious Diseases, July 2000, Atlanta, GA.
  67. Friedman C, Reddy S, Samuel M, Marcus R, **Bender J**, Desai S, Shiferaw B, Helfrick D, Carter M, Anderson B, Hoekstra M and the EIP FoodNet Working Group. Risk Factors for Sporadic *Campylobacter* infections in the United States: A case-control study in FoodNet sites, Programs and abstracts of the International Conference on Emerging Infectious Diseases, July 2000, Atlanta, GA.
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  69. Smith K, **Bender J**, Baker S, Boxrud D, Hedberg C. Outbreak of Salmonella typhimurium infections due to a microwavable chicken kiev product: Detection by pulsed-field gel electrophoresis subtyping, Infectious Disease Society of America, November 1999, Philadelphia, PA.
  70. **Bender JB**, Smith KE, Boxrud DJ, Leano, FT, Boeke L, Forfang J, Tobias G, Schaefer L, Besser J. Outbreak of multi-drug resistant Salmonella typhimurium DT104 in a home daycare. 39th Interscience Conference on Antimicrobial Agents and Chemotherapy, September 1999, San Francisco, CA.
  71. Naimi T, Kassenborg H, Hedberg C, **Bender J**, Sullivan M, Bartkus J, Besser J, Wells J, Greene K, Moore K, Osterholm M. Epidemiologic and molecular aspects of linked enterotoxigenic *Escherichia coli* outbreaks, Minnesota-1998. Interscience Conference on Antimicrobial Agents and Chemotherapy, September 1999, San Francisco, CA.
  72. **Bender JB**, Leano F, Boxrud DJ, Lindeman C, Smith KE. Molecular characterization and susceptibility of animal *Salmonella typhimurium* isolates from the Minnesota Veterinary Diagnostic Laboratory. American Society of Microbiology Conference, May 1999, Chicago, IL.
  73. Sullivan M, **Bender JB**, Boxrud DJ, Hedberg CW, Lifson A, Smith KE, Besser J. Characterization of virulence markers in *Shiga* toxin producing *Escherichia coli* from Minnesota. American Society of Microbiology Conference, May 1999, Chicago, IL.
  74. Naimi T, Kassenborg H, Hedberg C, **Bender J**, Sullivan M, Bartkus J, Besser J, Wells J, Greene K, Moore K, Osterholm M. Epidemiologic and molecular aspects of linked enterotoxigenic *Escherichia coli* outbreaks, Minnesota-1998. 48<sup>th</sup> Annual Epidemic Intelligence Services (EIS) Conference, April 19-23, 1999, Atlanta, GA.
  75. **Bender JB**, Hedberg CW, Besser JM, Boxrud DJ, Wicklund JH, Osterholm MT. Surveillance for *Salmonella typhimurium* infections in Minnesota by molecular subtype. International Conference on Emerging Infectious Diseases, March 1998, Atlanta, GA.
  76. **Bender JB**, Mead P, Voetsch D, Vugia D, Fiorentino T, Koehler J, Shifera B, Griffin P. Hemolytic uremic syndrome (HUS) cases identified in the 1996 FoodNet *Escherichia coli* O157:H7 surveillance. International Conference on Emerging Infectious Diseases, March 1998, Atlanta, GA.
  77. Smith KE, Besser JM, Leano F, **Bender JB**, Wicklund JH, Johnson B, Hedberg CW, Voight K, Macdonald KL, Osterholm MT. Fluoroquinolone-resistant *Campylobacter* isolated from humans and poultry in Minnesota. International Conference on Emerging Infectious Diseases, March 1998, Atlanta, GA.
  78. Deneen V, Smith K, Belle-Isle P, Taylor C, Gabriel L, **Bender J**, Hedberg C, Team Diarrhea (Minnesota Dept. of Health). A large outbreak of cryptosporidiosis associated with a water sprinkler fountain. International Conference on Emerging Infectious Diseases, March 1998, Atlanta, GA.

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80. Smith KE, Besser J, **Bender J**, Hogan J, Hedberg C, MacDonald K, Osterholm, M. Quinolone-resistant *Campylobacter jejuni* infections in Minnesota residents, 1996. Interscience Conference on Antimicrobial Agents and Chemotherapy, October 1997, Toronto, Canada.
81. Besser-Wiek JM, Leano F, **Bender JB**, Hedberg CW. Fecal carriage of *Escherichia coli* O157:H7 in three child daycare center outbreaks as measured by immunomagnetic separation. 97th Meeting, American Society for Microbiology, May 1997, Miami, FL.
82. Smith KE, Besser JM, **Bender JB**, Hogan J, Hedberg CW, MacDonald KL, Osterholm MT. Quinolone-resistant *Campylobacter jejuni* infections in Minnesota residents. 46th Annual Epidemic Intelligence Services (EIS) Conference, April 14-18, 1997, Atlanta, GA.
83. Smith KE, **Bender JB**, Besser-Wiek JM, Hedberg CW, MacDonald KL, Osterholm MT. A daycare center outbreak of *Escherichia coli* O157:H7 with community spread: Implications for the use of a new laboratory method. 46th Annual Epidemic Intelligence Service (EIS) Conference April 14-18 1997, Atlanta, GA.
84. **Bender JB**, Robinson RA, Srinand S. Feeding *Salmonella* contaminated meat and bone meal to lactating dairy cattle. Proceedings of USAHA, 1994, Grand Rapids, MI.

## XX. INVITED PRESENTATIONS: (Chronological Order) (1993-present)

1. Bender JB. Protecting you, Ag Producer, and Farm Workers from COVID-19. Minnesota Veterinary Medical Association Meeting February 2021 (Webinar)
2. Bender JB. Zoonotic Diseases, the human-animal interface. Indonesian Society of Microbiology and Emerging Disease. Bali, Indonesia. November 2020 (Webinar)
3. Bender JB. Biosecurity and Zoonotic Disease Prevention. Healthy Farms Healthy Agriculture November 2020 (Webinar)
4. Bender JB. Don't kiss the calves. Dairy Signal. August 2020 (Webinar)
5. Bender JB. Safety is a team sport. FarmFest. August 2020 (Webinar)
6. Bender JB. What Ag Producers need to know about COVID-19. AgriSafe March 2020 (Webinar)
7. Bender JB. Keeping Ag Producers and their Workers Safe. Stevens Point, Wisconsin January 2020.
8. Bender JB. Advancing Global Public Health, Universities and Workforce Development. School of Public Health 75<sup>th</sup> Anniversary 2019
9. Bender JB. One Health Solutions to Tackling Antimicrobial Resistance, AVMA Annual Conference Washington DC August 2019.
10. Bender JB. One Health Solutions to Tackling Antimicrobial Resistance, American Society for Microbiology San Francisco, CA June 2019.
11. Bender JB. Zoonotic Influenza at the Human-Animal Interface. Kuala Lumpur, Malaysia June 2019.
12. Bender JB. Global Antibiotic Stewardship. Kuala Lumpur, Malaysia June 2019.
13. Bender JB. Global Antibiotic Resistant Challenges. Pacific Northwest Veterinary Conference, Tacoma Washington Sept 2019.

14. Bender JB. How to be a Good Steward of Antimicrobials. Pacific Northwest Veterinary Conference, Tacoma Washington Sept 2019.
15. Bender JB. Keeping you , your clients and Ag workers Safe. Pacific Northwest Veterinary Conference, Tacoma Washington Sept 2019.
16. Bender JB. Zoonotic Influenza. Pacific Northwest Veterinary Conference, Tacoma Washington Sept 2019.
17. Bender JB. iCOMOS. Global Antimicrobial Stewardship Effort. Chiang Mai, Thailand February 2019.
18. Bender JB. iCOMOS. Clinician and Veterinary Student Preceptions Regarding Antibiotic Use. Chiang Mai, Thailand February 2019.
19. Bender JB. Be Calm: the importance of reminding workers to think and slow down when working with Cattle. Upper Midwest Dairy Industry Association. April 15 St. Cloud and April 17 Rochester, MN 2019.
20. Bender JB. National American Livestock Show and Rodeo Managers National Meeting. Livestock Biosecurity and zoonotic disease prevention. May 2019 Minneapolis, MN
21. Bender JB. One Health and Antimicrobial Stewardship. Coppoc One Health Lecture, Purdue University. Nov 2018.
22. Bender JB. and Liebman A. How Safe is Your Dairy Farm, protecting you and your workers. Minnesota Milk Webinar (MNMilk.org). Sept 25, 2018.
23. Bender JB. Preventing injuries and illnesses in large animal practice, protecting you and your clients. AVMA Annual Meeting. Denver, CO. July 2018.
24. Bender JB. Don't Get Stuck. Needlestick injuries in agriculture. SowBridge Webinar. March 2018.
25. Bender JB. Learning opportunities for antimicrobial use, resistance and stewardship. Zoonoses and One Health Updates Call (ZUHO) – CDC webinar. Feb 2018.
26. Bender JB. Gaps in Knowledge/Translation. How do we find the answers to what we don't know? National Institute for Animal Agriculture. Washington DC. November 2017.
27. Bender JB. Stress-less with Good Stockmanship – Reducing Worker Injuries. World Dairy Expo. Madison, Wisconsin. October 2017.
28. Bender J. Successes and Future Challenges in Food Safety. World Veterinary Congress. Seoul, Korea August 2017.
29. Bender J. Why hasn't our efforts affected human salmonella infections? World Veterinary Congress. Seoul, Korea August 2017.
30. Bender J. Zoonotic Influenza at the Human-Animal Interface. World Veterinary Congress. Seoul, Korea August 2017.
31. Bender J. Antibiotic stewardship in companion animal practice. World Veterinary Congress. Seoul, Korea August 2017.
32. Bender J. Antibiotic Stewardship in Companion Animal Practice (Webinar). Zoonosis/One Health CDC May 2016.
33. Bender J. One Health: A Holistic Approach. Travel and Tropical Medicine Seminar. Minneapolis, Minnesota April 2016
34. Bender J. (Webinar) Don't get stuck...needlestick injuries in Veterinary Medicine. AgriSafe Network. March 30, 2016
35. Bender J. Successes and Future Challenges in Food Safety. Midwest Veterinary Medical Conference. Columbus, Ohio Feb 2016.
36. Bender J. Why hasn't our efforts affected human salmonella infections? Midwest Veterinary Medical Conference. Columbus, Ohio Feb 2016



37. Bender J. Emerging diseases in animals and their impact on human health. Midwest Veterinary Medical Conference. Columbus, Ohio Feb 2016.
38. Bender J. Antibiotic stewardship in companion animal practice. Midwest Veterinary Medical Conference. Columbus, Ohio Feb 2016.
39. Bender J, Wells S and Investigative Team. Lessons learned from the H5N2 HPAI outbreak. 2nd Global Health Conference of Researchers in Emerging Disease at Convergence of Animal, Human and Environmental health. Chiang Mai, Thailand Feb 2016.
40. Bender J. Lessons learned from the H5N2 HPAI outbreak - National Food Protection Institute – webinar December 2015
41. Bender J. Antibiotic stewardship. Arkansas One Health Meeting – Little Rock, AR. Nov 14, 2015
42. Bender J. Antibiotic Resistance. Academy of Nutrition and Dietetics Annual Meeting, Food and Nutrition Conference and Expo. Nashville 2015
43. Zoonotic Influenza at the Human-Animal Interface. South Dakota Veterinary Medical Association Annual Meeting, August 2015.
44. Antibiotic Stewardship and Companion Animals. South Dakota Veterinary Medical Association Annual Meeting, August 2015.
45. MRSA in the Veterinary Clinic Setting. , South Dakota Veterinary Medical Association Annual Meeting, August 2015.
46. Zoonotic Disease Case Reports, South Dakota Veterinary Medical Association Annual Meeting, August 2015.
47. Bender J. Antibiotic Stewardship, SCAVMA Minneapolis, March 2015
48. Bender J. The Impact of Ebola, SCAVMA Minneapolis, March 2015
49. Bender J. Successes and Challenges in Food Safety. Researchers Conference on Emerging Infectious Diseases Chiang Mai, Thailand Feb 2015
50. Bender J. Companion Animal Stewardship at the 2014 NIAA Antibiotic Stewardship Meeting. Atlanta, GA Nov 2014
51. Granick J and Bender J. Antimicrobial Stewardship in Companion Animals. Grand Round – VMC Nov 2014
52. Bender J. Ebola, Rethinking the Global Response. Headliners, St. Paul, Minnesota. Nov 6, 2014.
53. Bender J. Mini-Med School – The impact of Ebola is greater than just the Disease. Nov 3, 2014
54. Bender J. Antimicrobial resistance. Center for Food Integrity – National Restaurant Association. Webinar Nov 2014
55. Bender J. Antimicrobial resistance. Center for Food Integrity – Food Manufacturers Institute. Webinar Nov 2014
56. Bender J. Our patients lick the floor...and their butt – role of the environment and challenges in infection control. New York State Veterinary Conference October 2014 Ithaca, NY
57. Bender J. Don't get stuck – needle stick injuries in veterinary medicine. New York State Veterinary Conference October 2014 Ithaca, NY
58. Bender J. Antimicrobial Stewardship and Companion Animal Practice. New York State Veterinary Conference October 2014 Ithaca, NY
59. Bender J. MRSA in the Veterinary Clinic Setting. New York State Veterinary Conference October 2014 Ithaca, NY

60. Bender J. Emerging Diseases in Animals and Their Impact on Humans. New York State Veterinary Conference October 2014 Ithaca, NY
61. Bender J. Zoonotic Influenza at the Human-Animal Interface. New York State Veterinary Conference October 2014 Ithaca, NY
62. Bender J. Our patients lick the floor...and their butt – role of the environment and challenges in infection control. North American Veterinary Dermatology Forum. Phoenix, AZ. April 2014.
63. Bender JB. Zoonotic Dermatology-related Public Health Discussions. Phoenix, AZ. April 2014.
64. Bender JB. Our patients lick the floor...and their butt – role of the environment and challenges in infection control. Grand Rounds - VMC. Jan 2014
65. Bender J, Buswell M. Needlestick Injuries and Veterinary Biologics - Agricultural Safety and Health Council of America (ASHCA) 2013 North American Agricultural Safety Summit. Minneapolis Sept 27, 2013
66. Bender J, Buswell M. Leman Conference – Occupational Risks from Veterinary Biologics. September 16, 2013 St. Paul Minnesota
67. Bender J. “One Health” – Capacity building exercise with Thailand and Vietnam University partners May 2013(RESPOND-USAID)
68. Bender JB. Salmonella from snakes used in a public outreach program. AVMA Annual Meeting Proceedings Chicago, IL July 2013
69. Bender JB. Human-animal interface studies: what have we learned and what we need to learn. Center for Excellence in Influenza Research and Surveillance Annual Meeting. Memphis, TN July 11, 2013.
70. Bender J. Needlestick injuries and Veterinary Biologics. Association of Veterinary Biologics Association Des Moines Iowa 4/9/2013
71. Bender J. Tropical Medicine – Zoonotic Parasitic Infections for Physicians. Global Health Course, Minneapolis MN.
72. Update on MRSA and Pets, A One Health Perspective. 9<sup>th</sup> Annual One Medicine Symposium. Durham, North Carolina December 5, 2012
73. Antibiotic Use in Production Animal Medicine. American Veterinary Medical Association, San Diego, CA. August 2012.
74. Expanding roles of Veterinary Public Health in the USA. 2<sup>nd</sup> Summit of Veterinary Health and Safety, Mudanjiang City, China. May 22, 2012
75. Salmonella and Pet Food. Wisconsin Veterinary Medical Association Annual Meeting. Madison, Wisconsin October 2012
76. Update on MRSA and Pets. Wisconsin Veterinary Medical Association Annual Meeting. Madison, Wisconsin October 2012
77. Nosocomial Infections. American Veterinary Medical Association, St. Louis, MO. July 2011.
78. Zoonotic Disease Case Reports. American Veterinary Medical Association, St. Louis, MO. July 2011.
79. Salmonella and Pet Food. American Veterinary Medical Association, St. Louis, MO. July 2011.
80. Update on MRSA and Pets. American Veterinary Medical Association, St. Louis, MO. July 2011.
81. Emerging Diseases in Animals and Their Impact on Humans. 23<sup>rd</sup> Annual National Agricultural Biotechnology Council (NABC) Conference. Minneapolis, MN June 2011.
82. Nebraska Association of Professionals in Infection Control, Diseases Humans and Animals Share. Omaha, NE April 2011

83. Wisconsin Farmers Union. Antibiotics in Animal Agriculture Panel, February 2011.
84. Diseases humans and animals share. Mather Lecture series. St. Paul, MN November 2010.
85. Animal Translocation, human health implications, Institute on the Environment – Frontier Lecture series. St. Paul, MN November 2010.
86. One Health – Mini Medical School Series. Minneapolis, MN October 2010.
87. Animal, Humans and MRSA, Emergence of MRSA in Food Producing Animals. AVMA, Atlanta, GA. August 2010.
88. MRSA research at the University of Minnesota. CDC Monthly conference Call on zoonotic diseases. July 2010.
89. Mad Cows, Crazy Elk, Menacing Mosquitoes...what's next? Mini-Med School. Minneapolis, MN April 2010.
90. Keeping workers safe from swine diseases. Sowbridge. Webinar. April 2010.
91. The emergence of a bad bug, infection control and public health challenges. North American Veterinary Dermatology Forum. Portland, OR. April 2010.
92. Petting zoo associated outbreaks and measures to reduce risks. Minnesota Fruit and Vegetables Growers. St. Cloud, MN Jan 2010.
93. Consumer and Farmer Surveys about Local and Organic Foods. Minnesota Fruit and Vegetables Growers. St. Cloud, MN Jan 2010.
94. Recent Concerns about Reptile-Associated Salmonellosis. Ontario Veterinary Medical Association. Montreal, Jan 2010
95. Organic Foods, Are they safer? Ontario Veterinary Medical Association. Montreal, Jan 2010
96. Current Issues for Therapy Dogs and Their Owners. St. Paul Children's Hospital. St. Paul, MN Oct 2009.
97. The emergence of a bad bug: infection control and public health challenges of MRSA. American College of Veterinary Internal Medicine Meeting. Montreal, Canada. June 2009.
98. The Veterinary Perspective: MRSA. American Society of Microbiology. Philadelphia, PA. May, 2009.
99. Is organic food safer? Western Veterinary Conference. Las Vegas, NV. Feb, 2009.
100. Interventions to control foodborne pathogens. Minnesota Environmental Health Association. St. Paul, MN Feb, 2009.
101. MRSA and Pets, Michigan Infectious Disease Society, Grand Rapids, MI November 2008
102. MRSA in pets, Companion Animal Symposium, St. Paul, MN Oct 2008
103. Pets and Zoonotic Diseases, MN Assoc for Prof Infection Control, Bloomington, MN Sept, 2008
104. MRSA in Pets, Florida Vet Med Association 2008
105. Are women really better hand washers? Florida Vet Med Assoc, 2008
106. MRSA infections in pets. American Veterinary Medical Association Annual Meeting, New Orleans, LA July 2008
107. Infection Control and MRSA. American Veterinary Medical Association Annual Meeting, New Orleans, LA July 2008.
108. Emergence of MRSA infections in pets: public health importance and nosocomial implications. CSTE, Denver, CO June 2008

109. Methicillin-resistant *Staphylococcus aureus* (MRSA) infections among pets in Minnesota. International Conference on Emerging Infectious Disease Atlanta, GA March 2008
110. Is organic food safer? – MN Veterinary Medical Assoc Feb 2008
111. The Emergence of Hypervirulent *Clostridium difficile*. University of Minnesota Grand Rounds, Dec 2007, St. Paul, Minnesota.
112. Zoonoses Updates. Emerging Infectious Disease Conference, November 2007, Minneapolis, Minnesota.
113. Pets and Zoonotic Diseases. Regions Hospital Therapy Dog Program, November 2007, St. Paul, Minnesota.
114. Is Organic Food Safer? Minnesota Dairy Conference, May 2007, St. Paul, MN.
115. Emergence of MRSA Infections in Pets: Public Health Importance and Nosocomial Implications. American Veterinary Medical Association, July 2007, Washington DC.
116. Nosocomial infections. Minnesota Veterinary Technician Association, February, 2007.
117. Animal Parasitic Infections that Affect Humans. Global Health Course, August 2007.
118. Animal and Human Health Issues. Global Health Course, August 2007.
119. CSI Food Investigations. University on the Prairie. August, 2007 Lamberton, MN
120. Menacing Mosquitoes, Mad Cows, and Demented Deer... Emerging Animal Diseases and Their Impact on Human Health. June 2007, Connections in Healthcare. Duluth, Minnesota.
121. Why should veterinary technicians be concerned about infection control? Minnesota Association of Veterinary Technicians (MAVT). February 2, 2007. Minneapolis, Minnesota.
122. Diseases human and animals share. Minnesota animal-assisted Therapy, Humane Society, November 17, 2006.
123. Animal health issues in Minnesota: Fact or Myth. Minnesota Farm Bureau. November 18, 2006.
124. Rapidly evolving science of influenza, Clinical Rounds, St. Paul, MN November 9, 2006.
125. Diseases humans and animals share. Emerging Infectious Disease Conference, Mpls, MN November 3, 2006.
126. Diseases humans and animals share. Fairview Ridges Continuing Education, Burnsville, MN. October 20, 2006.
127. Science Museum of Minnesota, Medical mysteries teacher institute. Emerging virus and training the next generation of public health workers. August 9, 2006. St. Paul, MN.
128. Food, animals and terrorism, Foreign Animal Disease Conference, Madison, WI. August 1, 2006.
129. Wild birds and the risk of avian influenza, Wildlife Rehabilitation Center Seminar, May 23, 2006.
130. Epidemiology of Cröhn's Disease and Ulcerative Colitis. Bolivia and Uruguay, April 24-30.
131. Public health concerns from *Mycobacterium bovis*, Minnesota Spring Dairy Conference, May 18, 2006.
132. Outbreak Investigations and Hospital-acquired infections, Mini-Vet School, April 6, 2006.
133. Diseases pets get from people. Minnesota Veterinary Medical Association Annual Meeting, February 4, 2006.
134. Redefing agriculture, 8<sup>th</sup> Annual Agriculture Leadership Conference. Avian Influenza and other big, bad zoonotic diseases. March 30, 2007. Chaska, Minnesota.
135. Chronic Wasting Disease from a public health perspective, SAVMA Symposium March 11 2006. Minneapolis, MN.
136. Menancing mosquitoes, mad cows, and demented deer...emerging animal diseases and their impact on human health. SAVMA Symposium March 11 2006. Minneapolis, Minnesota.
137. Understanding animal agriculture and the environment, Antimicrobial resistance. University of Minnesota Extension Service. St. Cloud, Minnesota February 15, 2006.
138. Impact of the Danish policy banning antimicrobial growth promoter use in Danish pork production. American Public Health Association Meeting, 2005.
139. What! MRSA in pets? Minnesota Association Professionals in Infection Control, Minneapolis, Minnesota. September 22, 2005.
140. Science and Journalism. Asian American Journalism Association, Minneapolis, Minnesota. August 19, 2005.

141. Preventing disease outbreaks associated with animal exhibits. Local Epidemiology Network of Minnesota, St. Paul, Minnesota. August 17, 2005.
142. Emerging Diseases. Young Scientist Roundtable, Hopkins, Minnesota. March 1, 2005.
143. Emerging diseases in animals and the impact on human populations. Western States Veterinary Conference, Las Vegas, Nevada. March 22, 2005.
144. Antimicrobial resistance issues and the use of antimicrobials in animals. Western States Veterinary Conference, Las Vegas, Nevada, March, 22, 2005.
145. Trends in foodborne disease. Western States Veterinary Conference, Las Vegas, Nevada. March 22, 2005.
146. Preventing disease outbreaks associated with animal exhibits. Western States Veterinary Conference, Las Vegas, Nevada. March 22, 2005.
147. Avian Influenza. Minnesota Veterinary Medical Association, St. Paul, Minnesota. February 3, 2005.
148. Mad Cows, Demented Deer and Crazy Mosquitoes. Minnesota InterLaboratory Microbiology Association. January 2005.
149. Protecting America's Food in an Era of Terrorism. Association of State and Territorial Officials and the Association of Public Health Laboratories Annual Meeting. September 30, 2004.
150. Emerging zoonotic diseases – Universidad Autonoma "Gabriel Rene Moreno" April 2004.
151. Food borne disease challenges – Universidad Autonoma "Gabriel Rene Moreno" April 2004.
152. Emerging diseases in Animals and their impact on humans. Cambridge, Minnesota – February 10, 2004.
153. Preparing for a career in public health. Cambridge Community College, Minnesota – February 10, 2004.
154. Emerging Infections. Henrici Society for Microbiologists – Feb 2004.
155. Reptile-associated Salmonellosis. Minnesota Herpetological Association, St. Paul, Minnesota, November 5, 2004.
156. Factors affecting surveillance data on E. coli O157 infections. Food Science Seminar – October 18, 2004.
157. Emerging Diseases in Animals and the Impact on Human Populations. CME Conference Emerging Infections in Clinical Practice and Emerging Health Threats, University of Minnesota, November 2003.
158. Zoonotic Disease. Minnesota State Fair Booth, August 2003.
159. Chronic Wasting Disease, TSE's: Their impact on human and animal health. Minnesota TSE workshop, July 2003.
160. The merging worlds of laboratorians and epidemiologists. Midwest AOAC, June 2003
161. Cargill Overview. Center for Animal Health and Food Safety University of Minnesota, April 2003.
162. Anthrax. Quarterly Meeting of the Minnesota Board of Animal Health, April 2003.
163. Chronic Wasting Disease: Protecting Public Health from a Potential Zoonosis. North Central Chapter Infectious Diseases Society of America, April 2003.
164. West Nile Virus – A national and state update. Minnesota Veterinary Medical Association Meeting, February 2003.
165. Transmissible Spongiform Encephalopathy. Minnesota Veterinary Medical Association Meeting, February 2003.
166. Chronic Wasting Disease. University of Minnesota Food Science and Nutrition Advisory Council Annual Meeting, February 2003. merging Infections in Animals and its impact on Human Populations. VA Medical Center, October 2002.
167. World of Change: The training needs and challenges of the public health epidemiologist, Minnesota State University, Moorhead. February 2002
168. World of Change: Emerging animal diseases and their impact on people. Minnesota State University, Moorhead. February 2002
169. West Nile Virus – Equine Fall Conference, November 2002.
170. Bioterrorism and pets – Small Animal Oncology conference.
171. Antibiotic use in poultry – Microbial Resistance. 53rd Annual North Central Avian Disease Conference, October 2002.
172. Animals and bioterrorism – video conference, Minnesota, October 2002.

173. Disease concerns regarding petting zoos – Ohio Veterinary Medical Association Meeting.
174. Agroterrorism and BSE. Missouri Veterinary Medical Association, January 2002.
175. Ag Bioterrorism: Is it a Possibility? Northwest Feed Manufacturers Association – November, 2002.
176. Bioterrorism and the Food System – Minnesota Legislative Aids.
177. Bioterrorism/Agroterrorism. National Agricultural Marketers Association.
178. Rabies and zoonotic diseases. Minnesota Animal Control Association.
179. Anthrax. Travel and Tropical Medicine Physicians, November, 2001.
180. Food security/bioterrorism. Video conference for local public health, food inspection, processing plants, 2001.
181. Governor’s Food Safety Task Force, November 2001.
182. Egg Safety Meeting. MN Department of Agriculture, 2001.
183. Bioterrorism and our food supply. July 2002.
184. Minnesota Ag Teachers Conf. July 2002.
185. Bioterrorism and animals. National Environmental Health Association Annual Meeting. June 2002.
186. Antibiotic use in food animals. National Environmental Health Association Annual Meeting. June 2002.
187. Update on West Nile Virus. MN Horse Expo. 2002
188. Monkeys and Zoonoses. Minnesota Veterinary Medical Association Meeting, February 2002.
189. Zoonotic Disease Concerns for Wildlife Rehabilitators. Minnesota Wildlife Assistance Cooperative, St. Cloud, Minnesota, March 2001.
190. On the lookout, *E. coli* O157:H7. Food Science and Nutrition Advisory Council, St. Paul, Minnesota, February 2001.
191. Foot and Mouth Disease. Travel and Tropical Medicine Seminar Series. Minneapolis, Minnesota, March 2001.
192. Blastomycosis outbreak common to dogs and humans. American Veterinary Medical Association Annual Meeting, Boston, Massachusetts, July 2001.
193. New or Re-emerging Zoonotic Disease Issues. North Memorial Health Care Series. July, 2001.
194. Anthrax - an update. Travel and Tropical Medicine Seminar Series. Minneapolis, Minnesota, November 2001.
195. West Nile Virus – An Update. Equine Fall Conference, October 2000, St. Paul, Minnesota..
196. Molecular subtype surveillance of *Salmonella typhimurium*. A workshop on epidemiologic methods and approaches for food safety. USAHA October 2000, Birmingham, Alabama.
197. The National Association of Public Health Veterinarians/Council for State and Territorial Epidemiologists position statement on growth promotion antibiotics. Allen Lehman Pre-Conference Session, August 12, 2000, Minneapolis, Minnesota.
198. Animals as sentinels for acts of bioterrorism. Chemical and Biological Terrorism. Hennepin County Medical Center and Minnesota Department of Health. May 2000, Bloomington, Minnesota
199. Molecular subtype surveillance of *Salmonella typhimurium*. PulseNet Annual Update Meeting. May, 2000. Minneapolis, Minnesota
200. Zoonoses of Small Ruminants, Minnesota Veterinary Medical Association Convention, February 2000, Bloomington, Minnesota.
201. Bioterrorism: Is it a possibility? Minnesota Veterinary Medical Association Convention, February 2000, Bloomington, Minnesota.
202. West Nile-Like Virus in New York State, Minnesota Veterinary Medical Association Convention, February 2000, Bloomington, Minnesota.
203. Outbreak of Blastomycosis in Northern Minnesota, Minnesota Veterinary Medical Association Convention, February 2000, Bloomington, Minnesota.

204. What's in Your Picnic Basket?, Minnesota Regional Society of Gastroenterology Nurses and Associates, October 1999, Minneapolis, Minnesota.
205. Characterization of multidrug-resistant *Salmonella* Typhimurium isolated from ill food animals and humans in Minnesota, 1996-1998. Food Safety Symposium on Antimicrobial Resistance, Sept. 1999, Atlanta, Georgia.
206. Outbreak of multidrug resistant *Salmonella* Type DT104 in a home daycare setting. Food Safety Symposium on Antimicrobial Resistance, Sept. 1999, Atlanta, Georgia.
207. Food Safety Concerns and Antimicrobial Resistance. Council for State and Territorial Epidemiologists, July 1999, Madison, Wisconsin.
208. Bioterrorism, Minnesota Safety Council, May 1999, Minneapolis, MN
209. The Dog Bite Problem, March 1999, Golden Valley, Minnesota
210. Antibiotic-Resistant Issues Facing the Food Animal Practitioner. American Association of Swine Practitioners. February 1999, St. Louis, Missouri.
211. Lessons from FoodNet. Meeting of American Association of Food Hygiene Veterinarians and American Association of State Meat and Food Inspection Directors. USAHA, October 1998, Minneapolis, Minnesota.
212. *Salmonella* Infections among Minnesota Residents. Al Lehman Conference, October 1998, Brooklyn Park, Minnesota.
213. Food Safety Concerns Associated with Pork Consumption. IAMFES, August 1998, Nashville, Tennessee.
214. Foodborne Disease Surveillance. American Veterinary Medical Association, July 1998, Baltimore, Maryland.
215. Molecular Subtype Surveillance. American Veterinary Medical Association, July 1998, Baltimore, Maryland.
216. Blastomycosis in Minnesota. Minnesota Veterinary Medical Association Meeting, February 1998, Bloomington, Minnesota.
217. Antibiotic-Resistant Issues Facing the Food Animal Practitioner. Minnesota Veterinary Medical Association Meeting, February 1998, Minneapolis, Minnesota.
218. Emerging Diseases and the Veterinarian. College of Veterinary Medicine 50<sup>th</sup> Anniversary, October 1997, St. Paul, Minnesota.
219. Pathogens Found in Water Contaminated by Manure. Allen D. Lemman Swine Conference, September 1997. Brooklyn Park, Minnesota.
220. *Salmonella typhimurium* and *Escherichia coli* O157 Infections Among Minnesota Residents. Minnesota Dairy Health Conference, May 21-22, 1997, St. Paul, Minnesota.
221. Recent Concerns about Reptile-Associated Salmonellosis. Minnesota Veterinary Medical Association Meeting, February 1997, Bloomington, Minnesota.
222. Useful Records for Goat Keepers. Proceedings Minnesota Goat Conference, January 15, 1994, St. Paul, Minnesota.
223. Feeding Naturally Contaminated *Salmonella* Animal Products to Lactating Dairy Cattle - a Pilot Study. Proceedings Minnesota Nutrition Conference and National Renders Technical Symposium, September 20-22, 1993, St. Paul, Minnesota.
224. Reducing the Risk of *Salmonella* Spread and Practical Control Measures in Dairy Herds. Proceedings Minnesota Dairy Health Conference, May 1993, St. Paul, Minnesota.