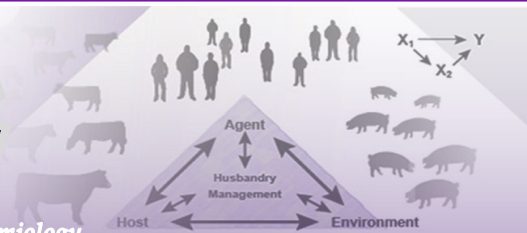


# The CORE News

Center for Outcomes Research & Epidemiology



SPRING  
2024

Greetings from the Center for Outcomes Research and Epidemiology (CORE). On behalf of our team, it is a pleasure to share some news with you again. Since we want to celebrate the great people and diverse interdisciplinary nature of our work, we focus this newsletter on some of the newest members of the CORE team and their areas of work. As you will see below, we are engaged in quite a variety of health and animal agricultural issues. If you have any interest in further details or other opportunities to engage with our research and training programs, please contact us!

David Renter, CORE Director



Taylor McAtee is currently working on a Ph.D. with Dr. Renter in collaboration with industry in CORE's Applied Beef Research and Management Training Program. She is originally from La Cygne, KS and has animal science degrees from K-State (B.S.) and West Texas A&M universities (M.S.). Her previous research was related to high-risk feedlot cattle and respiratory vaccinations (BRD). Taylor's ongoing projects range from quantifying the influence of cattle health on greenhouse gas emissions to evaluating different BRD treatment protocols and novel feed additives in feedlot trials. This work underscores her commitment to fostering science-based management decisions in commercial beef production. Her diverse skillset encompasses evaluating large datasets, conducting clinical trials, and economic analysis. Taylor's research contributes to both scientific advancements and sustainable livestock management practices.

David Edache joined CORE as a postdoctoral fellow, working on several safety projects under the supervision of Dr. Natalia Cernicchiaro. David received a B.S. in Animal Science from the University of Agriculture Makurdi, Nigeria. He completed his M.S. in 2019 at Harper Adams University in the UK, where he focused on the supplementation of trace minerals to lambs raised on pasture. He received his Ph.D. in Animal Science in Italy, where his research focused on the developmental programming of the gastrointestinal tract in dairy heifers. In addition to his work with CORE, he also serves as a Research Coordinator for Eichelberger Farms Inc, a commercial swine company. This summer, David will lead a project aiming to understand the abundance and diversity of competent mosquito disease vectors surrounding swine facilities in the United States.



Shankar Yadav is a new research associate with CORE working with Dr. Sanderson. Shankar is a veterinary epidemiologist with expertise in modeling of foreign animal disease spread and control in the US. As a Fulbright scholar, he completed an MPH degree at KSU. He earned a Ph.D. in epidemiology from Purdue University. Later, he worked with the USDA Centers for Epidemiology and Animal Health, conducting a series of studies on foot-and-mouth disease (FMD) involving model parametrization and simulation of FMD spread and control in the US. Before joining CORE, he worked for the European Commission for the Control of FMD including on the European FMD Spread Model (EuFMDiS) project. At CORE, he is developing a quantitative model to assess the risk of FMD transmission and spread by cattle movements through an auction market during an FMD outbreak in the US. His findings will support risk based continuity of business decisions during an outbreak of FMD.

## Announcements

CORE welcomes new Advisory Council members Brandon Depenbusch and Jane Schuh. Dr. Depenbusch is the Vice President of Cattle Feeding for Irsik & Doll Feed Services, Inc., and Dr. Schuh is the Associate Dean for Research and Graduate Programs for K-State College of Agriculture, and Research Director for K-State Research and Extension. Information on all Advisory Council members is [here](#).

CORE members have given presentations at multiple conferences thus far in 2024, including: the Conference of Research Workers in Animal Diseases, Cattle Industry Convention, American Association of Swine Veterinarians, Cattlemen's Day, Phi Zeta Research Day, Academy of Veterinary Consultants, Beef Industry Food Safety Council, National Institute for Animal Agriculture, and the Plains Nutrition Council Conference. To see some of our recent publications and presentations click [here](#).

Shankar Yadav recently joined CORE as a research associate, and Stephen Edache recently started his Ph.D. program with Dr. Cernicchiaro following his M.S. thesis defense in 2023.