

Adam J. Branscum, Ph.D.

School of Biological and Population Health Sciences

Oregon State University

420 Waldo Hall

Corvallis, OR 97331

Email: adam.branscum@oregonstate.edu

EDUCATION

Ph.D.	Statistics	2005	University of California, Davis Department of Statistics
M.S.	Epidemiology	2005	University of California, Davis Graduate Group in Epidemiology
M.S.	Statistics	2000	California State University, East Bay Department of Statistics
B.S.	Mathematics	1999	California State University, East Bay Department of Mathematics and Computer Science

EXPERIENCE

Associate Professor, School of Biological and Population Health Sciences, Oregon State University (September 2011 - present)

Associate Professor, Department of Public Health, Oregon State University (September 2010 - August 2011)

Biostatistics Program Coordinator, School of Biological and Population Health Sciences, Oregon State University (October 2010 - present)

Adjunct Professor, Department of Statistics, Oregon State University (October 2010 - present)

Assistant Professor, University of Kentucky (August 2005 - August 2010)

- Department of Biostatistics (College of Public Health)
- Department of Statistics (College of Arts and Sciences)
- Department of Epidemiology (College of Public Health, August 2006 - August 2010)

RESEARCH INTERESTS

- Bayesian nonparametric and semiparametric modeling and data analysis
- Biostatistics and epidemiologic modeling and applications
- Biomarkers and diagnostic tests for screening, diagnosis, and risk prediction

PEER-REVIEWED PUBLICATIONS

1. **Branscum AJ**, Gardner IA, Johnson WO (2004). Bayesian modeling of animal and herd-level prevalences. *Preventive Veterinary Medicine* 66, 101-112.
2. Hanson TE, **Branscum AJ**, Johnson WO (2005). Bayesian nonparametric modeling and data analysis: An introduction. In *Bayesian Thinking: Modeling and Computation* (Handbook of Statistics, Volume 25, Chapter 9), 245-278. Edited by D.K. Dey and C.R. Rao. Amsterdam: Elsevier.
3. **Branscum AJ**, Gardner IA, Johnson WO (2005). Estimation of diagnostic test sensitivity and specificity through Bayesian modeling. *Preventive Veterinary Medicine* 68, 145-163.
4. Thurmond MC, **Branscum AJ**, Johnson WO, Bedrick EJ, Hanson TE (2005). Predicting the probability of abortion in dairy cows: a hierarchical Bayesian logistic-survival model using sequential pregnancy data. *Preventive Veterinary Medicine* 68, 223-239.
5. **Branscum AJ**, Gardner IA, Wagner BW, McInturff P, Salman MD (2005). Effect of diagnostic testing error on intracluster correlation coefficient estimation. *Preventive Veterinary Medicine* 69, 63-75.
6. **Branscum AJ**, Johnson WO, Gardner IA (2006). Sample size calculations for disease freedom and prevalence estimation surveys. *Statistics in Medicine* 25, 2658-2674.
7. Reksen O, Sølverød L, **Branscum AJ**, Østeras O (2006). Relationships between milk culture results and treatment for clinical mastitis or culling in Norwegian dairy cattle. *Journal of Dairy Science* 89, 2928-2937.
8. **Branscum AJ**, Johnson WO, Gardner IA (2007). Sample size calculations for studies designed to evaluate diagnostic test accuracy. *Journal of Agricultural, Biological, and Environmental Statistics* 12, 112-127.
9. **Branscum AJ**, Johnson WO, Thurmond MC (2007). Bayesian beta regression: Applications to household expenditure data and genetic distance between foot-and-mouth disease viruses. *Australian & New Zealand Journal of Statistics* 49(3), 287-301.

10. Cheng D, Stamey J, **Branscum AJ** (2007). A general approach to sample size determination for prevalence surveys that use dual test protocols. *Biometrical Journal* 49(5), 694-706.
11. Kelley GO, Garabed RB, **Branscum A**, Perez AM, Thurmond MC (2007). Prediction model for sequence variation of the glycoprotein gene of infectious hematopoietic necrosis virus in California, U.S.A. *Diseases of Aquatic Organisms* 78, 97-104.
12. **Branscum AJ**, Hanson TE (2008). Bayesian nonparametric meta-analysis using Polya tree mixture models. *Biometrics* 64, 825-833.
13. **Branscum AJ**, Johnson WO, Hanson TE, Gardner IA (2008). Bayesian semiparametric ROC curve estimation and disease diagnosis. *Statistics in Medicine* 27, 2474-2496.
14. **Branscum AJ**, Hanson TE, Gardner IA (2008). Bayesian non-parametric models for regional prevalence estimation. *Journal of Applied Statistics* 35(5), 567-582.
15. Hanson TE, **Branscum AJ**, Gardner IA (2008). Multivariate mixtures of Polya trees for modelling ROC data. *Statistical Modelling* 8, 81-96 (contribution to the special issue on Bayesian nonparametric modeling).
16. Hanson TE, Kottas A, **Branscum AJ** (2008). Modelling stochastic order in the analysis of ROC data: Bayesian non-parametric approaches. *Applied Statistics* 57, 207-225.
17. **Branscum AJ**, Perez AM, Johnson WO, Thurmond MC (2008). Bayesian spatiotemporal analysis of foot-and-mouth disease data from the Republic of Turkey. *Epidemiology and Infection* 136(6), 833-842.
18. Lu Z, **Branscum AJ**, Shuck KM, Zhang J, Dubovi EJ, Timoney PJ, Balasuriya UBR (2008). Comparison of two real-time reverse transcription polymerase chain reaction assays for the detection of *Equine arteritis virus* nucleic acid in equine semen and tissue culture fluid. *Journal of Veterinary Diagnostic Investigation* 20, 147-155.
19. Go Y-Y, Wong SJ, **Branscum AJ**, Demarest VL, Shuck KM, Vickers ML, Zhang J, McCollum WH, Timoney PJ, Balasuriya UBR (2008). Development of a fluorescent microsphere immunoassay for detection of antibodies specific to equine arteritis virus and comparison with the virus neutralization test. *Clinical and Vaccine Immunology* 15, 76-87.
20. Messam L, **Branscum AJ**, Collins MT, Gardner IA (2008). Frequentist and Bayesian approaches to prevalence estimation using examples from Johne's Disease. *Animal Health Research Reviews* 9, 1-23.
21. Cheng D, Stamey JD, **Branscum AJ** (2009). Bayesian approach to average power calculations for binary regression models with misclassified outcomes. *Statistics in Medicine* 28, 848-863.

22. Adragao T, Herberth J, Monier-Faugere M-C, **Branscum AJ**, Ferreira A, Frazao JM, Curto JD, Malluche HH (2009). Low bone volume – A risk factor for coronary calcifications in hemodialysis patients. *Clinical Journal of the American Society of Nephrology* 4, 450-455.
23. Herberth J, Monier-Faugere M-C, Mawad HW, **Branscum AJ**, Herberth Z, Wang G, Cantor T, Malluche HH (2009). The five most commonly used intact parathyroid hormone assays are useful for screening but not for diagnosing bone turnover abnormalities in CKD-5 patients. *Clinical Nephrology* 72, 5-14.
24. Thomas MV, **Branscum A**, Miller CS, Ebersole J, Al-Sabbagh M, Schuster JL (2009). Within-subject variability in repeated measures of salivary analytes in healthy adults. *Journal of Periodontology* 80, 1146-1153.
25. Johnson WO, Gardner IA, Metoyer CN, **Branscum AJ** (2009). On the interpretation of test sensitivity in the two-test two-population problem: Assumptions matter. *Preventive Veterinary Medicine*, 91, 116-121.
26. Swanson M, **Branscum A**, Nakayima PJ (2009). Promoting consumption of fruit in elementary school cafeterias. The effects of slicing apples and oranges. *Appetite*, 53, 264-267.
27. Lu Z, Chambers TM, Boliar S, **Branscum AJ**, Sturgill TL, Timoney PJ, Reedy SE, Tudor LR, Dubovi EJ, Vickers ML, Sells S, Balasuriya UBR (2009). Development and evaluation of one-step TaqMan real-time reverse transcription-PCR assays targeting nucleoprotein, matrix, and hemagglutinin genes of equine influenza virus. *Journal of Clinical Microbiology*, 47, 3907-3913.
28. Cheng D, **Branscum AJ**, Stamey JD (2010). A Bayesian approach to sample size determination for studies designed to evaluate continuous medical tests. *Computational Statistics and Data Analysis*, 54, 298-307.
29. Smith KL, Allen GP, **Branscum AJ**, Cook RF, Vickers ML, Timoney PJ, Balasuriya UBR (2010). The increased prevalence of neuropathogenic strains of EHV-1 in equine abortions. *Veterinary Microbiology*, 141, 5-11.
30. Adragao T, Herberth J, Monier-Faugere M-C, **Branscum AJ**, Ferreira A, Frazao JM, Malluche HH (2010). Femoral bone mineral density reflects histologically determined cortical bone volume in hemodialysis patients. *Osteoporosis International*, 21, 619-625.
31. Herberth J, **Branscum AJ**, Mawad H, Cantor T, Monier-Faugere M-C, Malluche HH (2010). Intact PTH combined with the PTH ratio for diagnosis of bone turnover in dialysis patients: A diagnostic test study. *American Journal of Kidney Disease*, 55, 897-906.
32. Meade BJ, Timoney PJ, Donahue JM, **Branscum AJ**, Ford R, Rowe R (2010). Initial occurrence of *Taylorella asinigenitalis* and its detection in nurse mares, a stallion and donkeys in Kentucky. *Preventive Veterinary Medicine*, 95, 292-296.

33. Cheng D, **Branscum AJ**, Stamey JD (2010). Accounting for response misclassification and covariate measurement error improves power and reduces bias in epidemiologic studies. *Annals of Epidemiology*, 20, 562-567.
34. Scott MC, Bannantine JP, Kaneko Y, **Branscum AJ**, Whitlock RH, Mori Y, Speer CA, Eda S (2010). Absorbed EVELISA: A diagnostic test with improved specificity for Johnes disease in cattle. *Foodborne Pathogens and Disease*, 7, 1291-1296.
35. Farino MM, **Branscum A**, Robinson FG, Jasper SJ, Al-Sabbagh M, Puleo DA, Thomas MV (2010). Programmatic effectiveness of a University-based implant training program: Long-term, patient-centered outcomes. *Journal of Long-Term Effects of Medical Implants*, 20(4), 343-351.
36. Hanson TE, **Branscum AJ**, Johnson WO (2011). Predictive comparison of joint longitudinal-survival modeling: a case study illustrating competing approaches (with discussion). *Lifetime Data Analysis*, 17, 3-18.
37. Gulay A, Ercan O, Recep S, Mehmet O, Soner D, Huseyin T, Meral K, **Branscum AJ**, Monier-Faugere M-C, Herberth J, Malluche HH (2011). The link between bone and coronary calcifications in CKD-5 patients on hemodialysis. *Nephrology Dialysis Transplantation*, 26(3), 1010-1015.
38. Cejka D, Herberth J, **Branscum AJ**, Fardo DW, Monier-Faugere M-C, Diarra D, Haas M, Malluche HH (2011). Sclerostin and Dickkopf-1 in Renal Osteodystrophy. *Clinical Journal of the American Society of Nephrology*, 6(4), 877-882.
39. Porto F, de Leeuw R, Evans DR, Carlson CR, Yepes JF, **Branscum A**, Okeson JP (2011). Differences in psychosocial functioning and sleep quality between idiopathic continuous orofacial neuropathic pain patients and chronic masticatory muscle pain patients. *Journal of Orofacial Pain*, 25(2), 117-124.
40. Cuadros DF, **Branscum AJ**, Garcia-Ramos G (2011). No evidence of association between HIV-1 and malaria in populations with low HIV-1 prevalence. *PLoS One* 6(8): e23458. doi:10.1371/journal.pone.0023458.
41. Cuadros DF, **Branscum AJ**, Crowley PH (2011). HIV-malaria co-infection: effects of malaria on the prevalence of HIV in East sub-Saharan Africa (with commentary and rejoinder in 2012). *International Journal of Epidemiology*, 40(4), 931-939.
42. Park CH, Thomas MV, **Branscum AJ**, Harrison E, Al-Sabbagh M (2011). Factors influencing the periodontal referral process. *Journal of Periodontology*, 82(9), 1288-1294.
43. Seamon LG, Tarrant RL, Fleming ST, Vanderpool RC, Pacthman S, Podzielinski I, **Branscum AJ**, Feddock JM, Randall ME, DeSimone CP (2011). Cervical cancer survival for patients referred to a tertiary care center in Kentucky. *Gynecologic Oncology*, 123, 565-570.

44. Cheng D, **Branscum AJ**, Johnson WO (2012). Sample size calculations for ROC studies: parametric robustness and Bayesian nonparametrics. *Statistics in Medicine*, 31, 131-142.
45. Wilken JA, Badri T, Cross S, Raji R, Santin AD, Schwartz P, **Branscum AJ**, Baron AT, Sakhitab AI, Maihle NJ (2012). EGFR/HER-targeted therapeutics in ovarian cancer. *Future Medicinal Chemistry*, 4(4), 447-469.
46. Marrone JA, Maddalozzo GF, **Branscum AJ**, Hardin K, Cialdella-Kam L, Philbrick KA, Breggia AC, Rosen CJ, Turner RT, Iwaniec UT (2012). Moderate alcohol lowers biochemical markers of bone turnover in postmenopausal women. *Menopause*, 19(9), 974-979.
47. Ma W, Ma J, Xu J, Qiao C, **Branscum A**, Cardenas A, Baron AT, Schwartz P, Maihle NJ, Huang Y (2013). Lin28 regulates BMP4 and functions with Oct4 to affect ovarian tumor microenvironment (with editorial). *Cell Cycle*, 12(1), 1-10.
48. Cosentino-Boehm A, Lafky J, Greenwood T, Kimbler K, Buenafe M, Wang Y, **Branscum A**, Yang P, Maihle N, Baron A (2013). Soluble HER2 (sHER2) as a potential risk assessment, screening, and diagnostic biomarker of lung adenocarcinoma. *Diagnostics*, 3, 13-32; doi:10.3390/diagnostics3010013.
49. Turner RT, Iwaniec UT, Andrade JE, **Branscum AJ**, Neese SL, Olson DA, Wagner L, Wang VC, Schantz SL, Helferich WG. Genistein delivered as a once daily oral supplement had no beneficial effect on the tibia in rat models for postmenopausal bone loss. *Menopause* (accepted).
50. Schörgendorfer A, **Branscum AJ**, Hanson TE. A Bayesian goodness of fit test and semiparametric generalization of logistic regression with measurement data. *Biometrics* (accepted).
51. Podzielinski I, Saunders BA, Kimbler KD, **Branscum AJ**, Fung ET, DePriest PD, van Nagell JR, Ueland FR, Baron AT. Apolipoprotein concentrations are elevated in malignant ovarian cyst fluids suggesting that lipoprotein metabolism is dysregulated in epithelial ovarian cancer. *Cancer Investigation* (accepted).

BOOK

1. Christensen R, Johnson W, **Branscum A**, Hanson TE (2011). Bayesian Ideas and Data Analysis: An Introduction for Scientists and Statisticians. CRC Press.

GRANTS

1. Title: Renal Osteodystrophy: A Fresh Approach
Agency: NIH # RO1 DK080770-01
PI: Hartmut Malluche, MD (University of Kentucky)
Dates: March 2009 to May 2010
Role: Co-Investigator at 16% effort
2. National Center for Research Resources Grant # P20 RR0201045: "Center for Biologic Basis of Oral/Systematic Diseases." This is a COBRE project emphasizing research training in oral health. A Biostatistics Core is funded.
Total amount: \$1,497,813
PI: Jeffrey Ebersole (University of Kentucky)
Dates: August 2005 to May 2010
Role: Co-Investigator at 10% effort
3. Title: Optimization and evaluation of novel serum and milk enzyme-linked immunosorbent assays for Johne's disease
PI: Adam Branscum and Shigetoshi Eda (University of Tennessee, Knoxville)
Agency: USDA
Total Amount: \$293,000
Dates: August 2007 to July 2009
Role: PI at 8.3% effort
4. Title: Mental healthiness aging initiative (MHAI), a community mental health aging educational intervention
PI: Faika Zanjani and Deborah Murray (University of Kentucky)
Agency: USDA
Total Amount: \$322,000
Dates: October 1, 2007 to September 30, 2008
Role: Collaborator
5. Title: Development of a hand-held diagnostic test for bovine tuberculosis
PI: Shigetoshi Eda (University of Tennessee, Knoxville)
Agency: Animal Health Board (New Zealand)
Total Amount: \$24,300
Dates: July 2007 to June 2008
Role: Collaborator
6. Title: Kentucky regional outreach and training consortium: A multi-county approach to blood-lead poisoning risk reduction in Kentucky's pediatric medicaid population.
PI: Larry Figgs (University of Kentucky)
Agency: EPA
Total Amount: \$499,500
Dates: September 1, 2007 to August 31, 2009
Role: Co-PI at 5% effort

7. Title: Development of an on-site diagnostic device for Johne's disease
PI: Adam Branscum and Shigetoshi Eda (University of Tennessee, Knoxville)
Agency: USDA
Total Amount: \$34,625
Dates: 2009-2010
Role: Collaborator
8. Title: The role of leptin in inflammation-driven bone loss
PI: Urszula Iwaniec (Oregon State University)
Agency: NIH/NIAMS R01
Total Amount: \$1,825,000
Dates: 12/01/11 - 11/30/16
Role: Co-I
9. Title: Resolving racial disparities using sHER-based clinical tests
PI: Andre Baron
Agency: Kentucky Science & Engineering Foundation; KSEF-11-SBIR-242
Total Amount: \$4,000
Dates: 7/1/11-12/30/11
Role: Consultant

INSTRUCTIONAL EXPERIENCE

1. **Instructor**, Oregon State University, Biostatistics Program:
 - Analysis of Correlated Health Data (H 582: Fall 2012)
 - Statistical Analysis of Correlated Health Data (H 599: Fall 2011)
 - Doctoral Seminar in Public Health (H 612: Fall 2011)
 - Introduction to Biostatistics (H 524 / HDFS 530: Fall 2010)
 - Introduction to Health Data Analysis (H 220: Fall 2010, Winter 2012)
2. **Instructor**, University of Kentucky, Departments of Biostatistics and Statistics:
 - Advanced Regression (BST 760: Spring 2010)
 - Biometrics I (BST 675: Fall 2009)
 - Introduction to Statistical Methods (STA 602: Fall 2009)
 - Introduction to Statistical Inference (STA 525: Spring 2009)
 - Spatial Statistics (CPH 738: Fall 2008)
 - Bayesian Inference (STA 630: Spring 2008)
 - Theory of Statistical Inference I (STA 532: Fall 2007, 2008)

Biostatistics I (STA 580: Fall 2006; Spring 2006, 2007, 2008)

Biostatistics II (CPH 630/STA 681: Fall 2005, Spring 2006)

Advanced Biostatistics Methods in Public Health (CPH 930: Spring 2007)

3. **Guest lecturer**, Oregon State University (H 576), University of Kentucky (CPH 615 and CPH 712), UC Irvine (STA 226)

TALKS AND WORKSHOPS

1. Baylor University, Department of Statistical Science, Seminar Series, Fall 2012 (invited).
2. University of South Carolina, Department of Statistics, Seminar Series, Fall 2012 (invited).
3. WNAR 2012; Fort Collins, CO (invited).
4. WNAR 2011; San Luis Obispo, CA (invited).
5. Oregon State University, Department of Public Health Seminar Series, Spring 2011.
6. Oregon State University, Department of Statistics Seminar Series, Spring 2011.
7. Joint Statistical Meetings 2008; Denver, Colorado.
8. Joint Statistical Meetings 2007; Salt Lake City, Utah.
9. ENAR 2007; Atlanta, Georgia.
10. Joint Statistical Meetings 2006; Seattle, WA (invited).
11. International Biometric Conference 2006; Montreal, Quebec, Canada (invited).
12. The American Association of Veterinary Laboratory Diagnosticians. Invited speaker for the workshop on *Sampling Methods for Detection of Disease*, Minneapolis, MN; 2006.
13. Texas A&M University, Department of Integrative Biosciences, 2005.
14. University of California, Davis, Medical Center, Sacramento, California, 2004.
15. Joint Statistical Meetings, Toronto, Canada, 2004 (topic contributed).
16. Statistics Research Day, California State University, Hayward, 2004 (Keynote speaker).

17. Conference of Research Workers in Animal Diseases, Chicago, Illinois, 2003.
18. Workshop on Bayesian modeling and WinBUGS. University of California, Davis, Davis, California, May 9-10, 2003 (joint with Wes Johnson and Richard Evans).
19. 24th Annual Institute on Research and Statistics, Sacramento Statistical Association, Sacramento, California, 2002 (invited).

STUDENT COMMITTEES

- Advisor, Masters of Public Health, Oregon State University:
Chih-Wei Liu (Biostatistics; Winter 2012), Rachel Posnick (Epidemiology; Spring 2012), Andres Cardenas (Biostatistics; GRA supervisor; Spring 2012), David Schary (Biostatistics; September 2010-December 2012; Graduated Fall 2012), Hillary Haskins (April 2011-present)
- Member, Masters Committee, Oregon State University:
Jamila Hunt (MPH Biostatistics; Spring 2012), Brendan Darsie (MPH Epidemiology; Spring 2013)
- Member, PhD Committee, Oregon State University:
Josiah Roldan (Public Health, ESH, May 2011-December 2012); Sandi Cleveland (Public Health, HP/HB, January 2013-present); Pamela Allen (Ph.D. in HDFS with an emphasis in aging; April 2012-present); David Schary (Exercise and Sport Psychology; September 2010-present), Elijah Dixon (Radiation Health Physics; May 2011-present); Marc Schure (Public Health, HP/HB, October 2011-present); Devin Lucas (Public Health, ESH, November 2011-present); Megan Cahn (Public Health, HMP, November 2011-present); Jennifer Faith (Public Health, HP/HB, December 2011-present); Sarah Grall (Public Health, HPHB, April 2012-present)
- Graduate Council Representative, Oregon State University: 7 students
- Chair, Masters of Public Health Thesis Committee, College of Public Health, University of Kentucky: 3 students
- Member, Masters of Public Health Thesis Committee, College of Public Health, University of Kentucky: 15 students (Fall 2006 - Spring 2010)
- Member, MS Committee, University of Kentucky: 12 students (Spring 2007 - Spring 2010)
- Chair, PhD Committee, University of Kentucky: Dr. Angela Schörgendorfer (Statistics, April 2011)

- Member, PhD Committee, University of Kentucky: 2 students (Computer Science, completed in 2006 and 2008)
- Member, External PhD Committee: Seyed Reza Jafarzadeh (UC Davis, Department of Epidemiology, Winter 2012)

SERVICE AND ADMINISTRATION

- Editorial service
 - Associate Editor, *Bayesian Analysis* (January 2010-present)
 - Associate Editor, *The American Statistician* (July 2011-present)
 - Editorial Board, *Statistical Methods in Medical Research* (May 2012-present)
 - Journal referee (2005): JASA, Biometrics, Veterinary Microbiology
 - Journal referee (2006): JASA, American Journal of Epidemiology, Annals of Epidemiology, Journal of Clinical Epidemiology, Veterinary Parasitology, Journal of Equine Veterinary Science, Preventive Veterinary Medicine
 - Journal referee (2007): JASA, The American Statistician
 - Journal referee (2008): JASA, BMC Medical Informatics and Decision Making, Veterinary Parasitology, Veterinary Clinical Pathology, Statistics and Probability Letters
 - Journal referee (2009): Biometrics, Statistics in Medicine (2 papers), Lifetime Data Analysis, Computational Statistics and Data Analysis, BMC Medical Informatics and Decision Making, Preventive Veterinary Medicine (2 papers)
 - Journal referee (2010): JASA, Biometrics, Statistics in Medicine, Computational Statistics and Data Analysis (2 papers), PLoS ONE, Theoretical Biology and Medical Modelling, BMC Medical Informatics and Decision Making, BMC Medical Research Methodology
 - Journal referee (2011): Biometrics, Biometrical Journal, Computational Statistics and Data Analysis, Statistical Methods in Medical Research, Statistics in Medicine
 - Journal referee (2012): Computational Statistics, Preventive Veterinary Medicine (3 papers), Statistics in Medicine
- External
 - Member, Association of Schools of Public Health Council, Biostatistics and Epidemiology (Fall 2011-present)
 - Member, ASA COPSS Awards Committee (Fall 2010-present)

- Member, ASA Section on Bayesian Statistical Science, Student Paper Awards Committee (Spring 2009)
- Internal to Oregon State University
 - Co-chair, Developmental methods hiring committee (Winter 2013-present)
 - Member, Faculty Advancement Council, Workshops on faculty workload and research, graduate education, and workforce development (Summer 2012)
 - Member, Coordinators Council, School of Biological & Population Health Sciences (Fall 2011-present)
 - Member, Personnel Committee, School of Biological & Population Health Sciences (Fall 2011-Spring 2012)
 - Member, CEPH Accreditation subcommittee on Students, Faculty and Staff (Fall 2011-Spring 2012)
 - Member, OMPH Track Coordinator Committee (Fall 2010-present)
 - Member, Search committee for Co-Director for School of Biological and Population Health Sciences (Spring 2011)
 - Biostatistics Program Coordinator (October 2010 - present)
 - Member, Biostatistics hiring committee (2 positions; Fall 2010 - Winter 2011)
 - Member, Epidemiology hiring committee (2 positions; Fall 2010 - Spring 2011)
 - Oregon Master's of Public Health Student Award Selection Committee (Spring 2011)
 - Member, Committee for the University's Programs in Statistics (Fall 2010 - present)
- Internal to University of Kentucky
 - Member, Faculty Council, College of Public Health (Summer 2009 - Summer 2010).
 - Member, Teaching Evaluation Workgroup, College of Public Health (Summer 2010).
 - Member, MS statistics/biostatistics track subcommittee, Department of Statistics (Fall 2007 - Spring 2008).
 - Member, Protocol Review Committee, Markey Cancer Center (2007).
 - Member, Research Committee, College of Public Health (Fall 2007 - Summer 2010).
 - Member, Academic Performance Committee, College of Public Health (2008).
 - Member, MS Statistical Inference exam committee, Department of Statistics (Summer 2007, 2008, 2009, 2010).
 - Member, MS Statistical Methods exam committee, Department of Statistics (Summer 2010).

- Member, Undergraduate Program in Public Health committee, College of Public Health (Spring 2007).
- Member, Joint Biostatistics-Epidemiology Ph.D. committee, College of Public Health (Fall 2006 - Spring 2009).
- Member, Practice and Service Committee, College of Public Health (Fall 2005 - Summer 2007).
- Ex-officio member, The Institutional Animal Care and Use Committee (Fall 2005 - Summer 2010).
- Chair, DrPH biostatistics exam committee (June 2006; January 2008 and June 2008).
- Member, DrPH biostatistics exam committee (January and June 2007; January and June 2009).
- Judge, College of Public Health Research Day (2006, 2007, 2010).
- Consulting committee, Department of Statistics (Member, Fall 2006-Fall 2008; Chair, Fall 2008-Summer 2010).

PROFESSIONAL MEMBERSHIPS

American Statistical Association

International Biometric Society

Institute of Mathematical Statistics

International Society for Bayesian Analysis