

Kathryn H. Jacobsen

Teaching Vita

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Academic Appointments

- George Mason University
 - Associate Professor, Global & Community Health (CHHS), 2010–present
 - Assistant Professor, Global & Community Health (CHHS), 2006–2010
- Calvin College
 - Assistant Professor, Biology and Mathematics & Statistics, 2004–2006
- University of Michigan
 - Adjunct Assistant Professor, Graduate Summer Session in Epidemiology, 2004–2006
 - Graduate Student Instructor / Research Assistant, 1999–2004

Education

- Ph.D., Epidemiologic Science, University of Michigan, 2005
- M.P.H., International Health Epidemiology, University of Michigan, 2001
- B.S., Physics, Wheaton College, 1998

Courses Developed and Taught at GMU

- GCH 205—International Health (SU07, SU11, SU12): *This course has become a popular general education course that meets the Global Understanding requirement; 5 or more sections of 50+ students are typically offered each semester. I have worked with many of the part-time instructors who teach sections of GCH 205 to develop course schedules, video lists, and assessment activities that map to the general education goals. Summary rating of my teaching (out of 5.00): 4.83.*
- GCH 640—Global Infectious Diseases (SP11, SP12): *This course helps master's students in global health achieve competencies in the application of public health science to disease prevention and control. Summary rating of my teaching (out of 5.00): 4.84.*
- GCH 680—International Research Ethics and Methods (FP08, SP09, FA10, FA11): *This course ensures that M.S. students develop competencies in the areas of professional ethics and communication. The writing projects for this course have resulted in several student publications in peer-reviewed journals. Summary rating of my teaching (out of 5.00): 4.91.*
- GCH 712—Introduction to Epidemiology (FA06, SU08, SU09, SU10, FA12): *This course provides all first-year GCH graduate students with a foundation in health research methods. The emphasis is on study design, data analysis and interpretation, and critical reading of the scientific literature. Summary rating of my teaching (out of 5.00): 4.88.*
- GCH 722—Infectious Disease Epidemiology (SP07, SP08, SP09, SP11, SP12): *This course helps students further develop their epidemiologic skills and knowledge about infectious diseases of local and global public health importance. Summary rating of my teaching (out of 5.00): 4.81.*
- GCH 732—Chronic Disease Epidemiology (FA07, FA08, FA09, FA10): *This course helps students to develop advanced study design and data analysis skills, and to gain further knowledge about common non-communicable diseases. Summary rating of my teaching (out of 5.00): 4.85.*

Other Teaching Experience

- Calvin College (2004-2006): Human Biology (BIOL 115); Human Anatomy (BIOL 205); Animal Biology (BIOL 242); Intro. to Statistics and Probability (MATH 143); Undergraduate Research
- Eastern Michigan University (2004): Fundamentals of Epidemiology (CLSC 501)
- University of Michigan (1999-2006): Principles and Applications of Epi Info (EPID 702); Quantitative Skills; Astronomy discussion/laboratory sections (ASTRO 101,102,111,112)
- Sikalongo Secondary School, Zambia (1998-1999): Mathematics 10, 11; Physics 10

Textbooks

1. **Jacobsen KH.** *Introduction to Global Health.* Sudbury MA: Jones & Bartlett Publishers; 1st edition ©2008, 368 p.; 2nd edition will be published in March 2013.

Introduction to Global Health addresses all the key issues of global health: the socioeconomic, biological, and environmental contexts of major global health issues; the specific health risks of diverse population groups; and the policies and programs designed to improve global public health. The 2nd edition (currently in press) includes new coverage of global health metrics, health across the lifespan, careers in global health, disease prevention and control, health and human rights, and emergency preparedness and response, and updated statistics present the best epidemiological information currently available.

2. **Jacobsen KH.** *Introduction to Health Research Methods: A Practical Guide.* Sudbury MA: Jones & Bartlett Publishers; ©2012, 287 p.

Introduction to Health Research Methods empowers new investigators to conduct their own original research projects. The book covers the entire research process from identifying a study question and selecting a study approach to collecting and analyzing data to disseminating the findings through presentation or publication, and elements of research ethics are woven throughout the book. By breaking the research process down into manageable steps, the book communicates the excitement and importance of health research, and encourages medicine, public health, and other health science students to make their own contribution to improving the health of individuals and communities through research.

Peer-Reviewed Publications with GMU Student Co-Authors

(# M.S./M.P.H., † Ph.D. student)

1. Pierobon M[#], Barak M[#], Hazrati S[#], **Jacobsen KH.** Alcohol consumption and violence among Argentine adolescents. *Jornal de Pediatria.* In Press. *This paper began as a class project for GCH 680 in the fall 2011 semester.*
2. Abdirahman HA[#], Fleming LC[†], **Jacobsen KH.** Bullying and parental involvement among middle-school students in North Africa. *Eastern Mediterranean Health Journal.* In Press. *This paper was written as part of a mentored summer research project.*
3. **Jacobsen KH,** Ansumana R, Abdirahman HA[#], et al. Considerations in the selection of healthcare providers for mothers and children in Bo, Sierra Leone: reputation, cost, and location. *International Health.* In Press. *This project was conducted as part of a GRAShip.*
4. Hasumi T[#], Ahsan F[#], Couper CM[#], Aguayo JL[#], **Jacobsen KH.** Parental involvement and mental well-being of Indian adolescents. *Indian Pediatrics.* 2012 Nov; 49(11):901-904. *This paper began as a class project for GCH 680 in the fall 2011 semester.*

5. Hasumi T[#], **Jacobsen KH**. Hypertension in South African adults: results of a nationwide survey. *Journal of Hypertension*. 2012 Nov; 30(11):2098-2104. *This project was conducted as part of a GRAsHIP.*
6. Tammariello AE[#], Gallahue NK[#], Ellard KA[#], Woldesemait N[#], **Jacobsen KH**. Parental involvement and mental health among Thai adolescents. *Advances in School Mental Health Promotion*. 2012 Oct; 5(4):234-243. *This paper began as a fall 2011 class project for GCH 680.*
7. Abdirahman HA[#], Shrestha HL[#], Bah TT[#], **Jacobsen KH**. Bullying, mental health, and parenting among adolescents in the Caribbean. *West Indian Medical Journal*. 2012 Oct; 61(5):506–510. *This paper began as a class project for GCH 680 in the fall 2011 semester.*
8. Poms LW[#], Fleming LC[‡], **Jacobsen KH**. Parental involvement and tobacco use among middle-school students in low- and middle-income countries. *Journal of School Health*. 2012 Aug; 82(8):353–363. *This paper was written as part of a mentored M.P.H. research project.*
9. **Jacobsen KH**, Abdirahman HA[#], Ansumana R, et al. Home birth and hospital birth trends in Bo, Sierra Leone. *Acta Obstetrica et Gynecologica Scandinavica*. 2012 Jun; 91(6):750-753. *This project was conducted as part of a GRAsHIP.*
10. Howard AL[#], **Jacobsen KH**, Komwa MK[‡], Yohane R. Household market participation and stunting in preschool children in Lilongwe, Malawi. *South African Journal of Clinical Nutrition*. 2011 Dec; 24(4):202–204. *This paper was written as part of a mentored M.S. research project.*
11. Meehan KA, Bankoski AJ[#], Tejan E, Ansumana R, Bangura U, Stenger DA, **Jacobsen KH**. Hypertension in Bo, Sierra Leone. *Ethnicity & Disease*. 2011 Spring; 21(2):237–242,259. *This project was conducted as part of a GRAsHIP.*
12. Chang AC[#], **Jacobsen KH**, Lin KW, Teng LJ. 台灣護理人員在腸病毒方面的知識和預防 = Enterovirus knowledge and prevention among nurses in a hospital in Taiwan. *Taiwan Epidemiology Bulletin*. 2011 Mar 22; 27(6):60–67,81–91. *This paper was written as part of a mentored M.S. research project.*
13. Chau CN[#], **Jacobsen KH**, Ngoc VB. Maternal reports of child health practices in Ho Chi Minh City, Vietnam. *Journal of Rural and Tropical Public Health*. 2011; 10:15–20. *This paper was written as part of a mentored M.S. research project.*
14. Chau CN[#], **Jacobsen KH**, Ngoc VB. Dengue prevention in southern Vietnam [letter]. *International Health*. 2010 Dec; 2(4):287–288. *This paper was written as part of a mentored M.S. research project.*
15. Fan LY[#], **Jacobsen KH**. Risk factors for hyperemesis gravidarum. *Current Women's Health Reviews*. 2010 Nov; 6(4):309–317. *This paper was part of a mentored M.S. research project.*
16. Bankoski AJ[#], **Jacobsen KH**, Pawloski LR, Moore JB, Gaffney KF, Jaimovich S, Campos MC. Relationship between Chilean children's reported dietary practices and their parents' preferences for their consumption. *Revista Chilena de Nutrición*. 2010 Sep; 37(3):352–358. *This project was conducted as part of a GRAsHIP.*
17. **Jacobsen KH**, Bankoski AJ[#]. Predictors of compliance with scheduled surgery in rural Guatemala. *International Health*. 2010 Sep; 2(3):206–211. *This project was part of a GRAsHIP.*
18. **Jacobsen KH**, Padgett JJ[#]. Risk factors for *Mycobacterium ulcerans* infection. *International Journal of Infectious Diseases*. 2010 Aug; 14(8):e677–e681. *This paper was written as part of a mentored epidemiology certificate research project.*
19. Owen KK[‡], Obregón EJ[#], **Jacobsen KH**. A geographic analysis of access to health services in

- rural Guatemala. *International Health*. 2010 Jun; 2(2):143–149. *This paper was written as part of a mentored M.P.H. research project.*
20. Fleming LC[#], **Jacobsen KH**. Bullying among middle-school students in low and middle income countries. *Health Promotion International*. 2010 Mar; 25(1):73–84. *This paper was written as part of a mentored M.S. research project.*
 21. Komwa MK[‡], **Jacobsen KH**, Parker DC. HIV/AIDS-associated beliefs and practices relating to diet and work in southeastern Uganda. *Journal of Health, Population and Nutrition*. 2010 Feb; 28(1):76–85. *This paper was written as part of Dr. Komwa's Ph.D. research.*
 22. Chubb MC[#], **Jacobsen KH**. Mathematical modeling and the epidemiological research process. *European Journal of Epidemiology*. 2010 Jan; 25(1):13–19. *This paper was written as part of a mentored M.S. research project.*
 23. Downes BL[#], **Jacobsen KH**. A systematic review of the epidemiology of mansonelliasis. *African Journal of Infectious Diseases*. 2010; 4(1):7–14. *This paper was written as part of a mentored M.S. research project.*
 24. Parker DC, **Jacobsen KH**, Komwa MK[‡]. A qualitative study of the impact of HIV/AIDS on agricultural households in southeastern Uganda. *International Journal of Environmental Research and Public Health*. 2009 Aug; 6(8):2113–2138. *This paper was written as part of Dr. Komwa's Ph.D. research.*
 25. Manock SR, **Jacobsen KH**, Brito de Bravo N, ... , Fleming LC[#], Kochel T. Etiology of acute undifferentiated febrile illness in the Amazon basin of Ecuador. *American Journal of Tropical Medicine and Hygiene*. 2009 Jul; 81(1):146–151. *This project was completed during a GRAsHIP.*
 26. Fleming LC[#], **Jacobsen KH**. Bullying and symptoms of depression in Chilean middle-school students. *Journal of School Health*. 2009 Mar; 79(3):126–133. *This paper was written as part of a mentored M.S. research project.*
 27. Yang L[#], **Jacobsen KH**. A systematic review of the association between breastfeeding and breast cancer. *Journal of Women's Health*. 2008 Dec; 17(10):1635–1645. *This paper was written as part of a mentored M.S. research project.*
 28. Padgett JJ[#], **Jacobsen KH**. Loiasis: African eye worm. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 2008 Oct; 102(10):983–989. *This paper was written as part of a mentored M.S. research project.*

Doctoral Student Mentoring

- Chair of 2 Ph.D. dissertation committees
 1. Lila C. Fleming, *Environmental Science & Public Policy, in progress*
 2. Maction K. Komwa, *Environmental Science & Public Policy, 2011*
- Member of 10 additional Ph.D. dissertation committees
 3. Nada Abu-AlUla, *Nursing, in progress*
 4. David Attaway, *Earth Systems & Geoinformation Sciences, in progress*
 5. Geoffrey M. Cook, *Environmental Science & Public Policy, 2009*
 6. Stephanie S. Groves, *Biosciences, 2007*
 7. Karen N. Metscher, *Public Policy, 2008*
 8. Dennis E. Nicholas, *Earth Systems & Geoinformation Sciences, in progress*
 9. Karen K. Owen, *Earth Systems & Geoinformation Sciences, 2012*
 10. Laura Wheeler Poms, *Industrial/Organizational Psychology, 2012*
 11. Lolita Ramsey, *Nursing, 2012*
 12. Dorothy Seibert, *Nursing, in progress*

Curriculum Development at GMU

Leadership in development of:

- Master of Public Health (M.P.H.) and M.S. in global health; graduate certificates in epidemiology and public health; undergraduate minor in public health
- Curriculum revisions for B.S. in community health, M.P.H., M.S. in epidemiology and biostatistics, and M.S. in global health
- Syllabi for new courses: GCH 205, 360, 405, 412, 555, 560, 640, 645, 650, 680, 712, 722, 726, 732, 788, 789

Other Teaching-Related Service at GMU

- Member, GMU Non-Traditional, Interdisciplinary, and Adult Learning Cmte., 2012-present
- Chair, CHHS Faculty Matters (professional development) Committee, 2010-present
- Review Team Chair, GMU Academic Program Review Committee, 2010-present
- Portfolio Reviewer, GMU General Education Assessment (Global Understanding), 2010
- Faculty Advisor, GMU Society of Epidemiology and Public Health, 2008-2010
- Coordinator of Epidemiology Programs, GCH Department, 2007-2011

Other Teaching-Related Publications and Presentations

- Author, "Introduction to health research methods," *Syllabus* Journal, 2012 (vol. 1:2, 9 pgs.)
- Guest Speaker, International Jewish Film Festival, JCC of Northern Virginia, March 2012
- Keynote Speaker, Doctoral Program Day, Dept. of Epidemiology, Univ. of Michigan, Feb. 2012
- Presenter, "Writing with Students," GMU School of Nursing Writing Workshop, March 2011
- Presenter, Tropical Medicine Association of Washington, Nov. 2010
- Presenter, GMU Provost's Vision Series, Nov. 2009
- Presenter, Global Health Interest Group, Family Practice Residency Program, Virginia Commonwealth University, July 2009
- Presenter, GMU Sustainability across the Curriculum Workshop, Jan. 2008
- Guest Lectures to the Osher Lifelong Learning Institute at GMU (2010, 2011)
- Guest Lectures to GMU classes: CHSS 200 (2007, 2008), GCH 205 (2008, 2009), NURS 453 (2007), NURS 623 (2006, 2007, 2008, 2009, 2010, 2011)

Teaching-Related Service in the Community

- Chair, Workshop Committee (and Member, Executive and Scientific Program Committees), 20th World Congress of Epidemiology (to be held August 2014), 2011-present
- Member, Curriculum Review Committee, Kivura Program, Gardens for Health Intl., 2011-2012
- Resource Group Member, Undergraduate Public Health Learning Outcomes Development Project, American Schools of Public Health, 2010-2011
- Editorial Board Member, *World Medical and Health Policy* Journal, 2009-present
- Bioethics Consultant / Trainer, U.S. Civilian Research & Development Foundation, 2008-2011
- Trainer / Deputy Incident Coordinator, Fairfax County Medical Reserve Corps, 2007-present
- Reviewer of more than 70 manuscripts for more than 40 journals, 2008-present
- Reviewer of more than 40 books for the American Library Association's *Choice*, 2005-present