

W. JAY CHRISTIAN

Department of Geography
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EDUCATION

University of Kentucky, Lexington, KY

Currently pursuing PhD in Geography—Interests include urban, transportation, and health geographies: physical activity, food accessibility, overweight/obesity, the built environment, active transportation, and sustainability. Methodological approaches include spatial data analysis and spatial statistics, using geographic information systems (GIS) and a variety of statistical software.

University of Kentucky, Lexington, KY

MPH, 2003, Epidemiology concentration

Washington University, Saint Louis, MO

BA, 1998, Anthropology & Russian Studies double major

PROFESSIONAL EMPLOYMENT

University of Kentucky, College of Medicine, Markey Cancer Center,

Markey Cancer Control Program, Lexington, KY, 2003-Present

Epidemiologist, Kentucky Cancer Registry

Duties include data management, statistical analysis, questionnaire development, manuscript preparation, and coordination of lung, liver, and other cancer research activities; also, preparing maps displaying distribution of cancer-related data, including risk factors, incidence rates, etc., using GIS. Other duties include management and analysis of data gathered from health clinics in Ecuador, and hepatitis research in coordination with rural health departments.

University of Kentucky, College of Public Health,

Kentucky Injury Prevention and Research Center, Lexington, KY, 2000-2003

Project Manager, TBI/SCI Surveillance Project

Responsible for the probabilistic data linkage of trauma registry, hospital discharge, and death certificates data sets. Duties also included maintenance of databases of traumatic brain injuries (TBI) and spinal cord injuries (SCI), supervision of two employees (hospital data abstractor, research assistant) from 2001-2002, and preparation and presentation of budgets and final reports.

University of Kentucky, College of Public Health,

Kentucky Injury Prevention and Research Center, Lexington, KY, 1998-2000

Data Linkage Programmer, Crash Outcome Data Evaluation System (CODES) Project

Responsibilities included management of hospital discharge, death certificates, EMS, trauma registry, and automobile crash data, as well as programming probabilistic data linkage of these databases using specialized software.

SCHOLARSHIPS AND AWARDS

Transportation Systems Management Certificate program scholarship, \$6000, 2008-2009

PUBLICATIONS

- 2009 **Christian WJ**, Hopenhayn C, Koch A, Christian A, McIntosh D. Hepatitis B & C in Appalachian Kentucky: a Survey of Rural Health Department Clients. *Public Health Reports*, In Press.
- 2009 **Christian WJ**, Christian A, Hopenhayn C. Acceptance of the HPV vaccine for adolescent girls: analysis of state-added questions from the BRFSS. *Journal of Adolescent Health*, In Press. DOI: 10.1016/j.jadohealth.2008.09.001
- 2008 Hopenhayn C, King JB, Christian A, Huang B, **Christian WJ**. Variability of cervical cancer rates across five Appalachian states. *Cancer*; 113(10): 2974-2980.
- 2007 Hopenhayn C, Tucker T, Christian A, **Christian WJ**. Patterns of cervical cancer risk in Kentucky. *Journal of the Kentucky Medical Association*; 105(5): 205-208.
- 2007 Hopenhayn C, Christian A, **Christian WJ**, Schoenberg NE. Human papillomavirus vaccine: knowledge and attitudes in two Appalachian Kentucky counties. *Cancer Causes Control*; 18(6): 627-634.
- 2007 **Christian WJ**, Hopenhayn C. Rebuttal to “Concentrations of biomarkers in spot urine samples need adjustment for variation in dilution—Comment on: ‘Distribution of urinary selenium and arsenic among pregnant women exposed to arsenic in drinking water’”. *Environmental Research*; 104: 314.
- 2006 Hahn EJ, Rayens MK, Hopenhayn C, **Christian WJ**, Rasnake E. Perceived risk and interest in screening for lung cancer in smokers. *Research in Nursing and Health*; 29(4): 359-370.
- 2006 **Christian WJ**, Hopenhayn C, Centeno J, Todorov T. Distribution of urinary selenium and arsenic among pregnant women exposed to arsenic in drinking water. *Environmental Research*; 100: 115-122.
- 2003 Hopenhayn C, Huang B, **Christian WJ**, Peralta C, Ferreccio C, Atallah R, Kalman D. Profile of urinary arsenic metabolites during pregnancy. *Environmental Health Perspectives*; 111(16): 1888-1891.
- 2003 **Christian WJ**, Carroll M, Meyer K, Vitaz TW, Franklin GA. Motorcycle helmets and head injuries in Kentucky, 1995-2000. *Journal of the Kentucky Medical Association*; 101(1): 21-26.

PRESENTATIONS

- 2007 **Christian WJ**, Hopenhayn C, Christian A, Koch A. Geography of viral hepatitis in Kentucky: implications for liver cancer control and prevention. Presented at the Kentucky Public Health Association Conference, Louisville, Kentucky, March 27-29.

- 2005 **Christian WJ**, Hopenhayn C, Bush H, Christian A. Cancer risk factors among smokers in Kentucky. Presented at the Kentucky Public Health Association Conference, Louisville, Kentucky, April 19-21.
- 2004 **Christian WJ**, Hopenhayn C, Centeno J, Todorov T. Is arsenic metabolism in exposed populations influenced by selenium? Poster presentation at the International Society for Environmental Epidemiology's annual conference, New York University, NY, NY, August.