

Andrew O. Johnson

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Education	Doctor of Philosophy, Health Services Policy and Management	May 2008
	Dissertation: The Geographic Availability of Substance Abuse Treatment Facilities and Services to Rural Veterans of the U.S. Armed Forces Department of Health Services Policy and Management Arnold School of Public Health, University of South Carolina, Columbia, SC	
	Master of Public Health, Public Health Administration	December 2003
	Practicum: A Qualitative Assessment of School-Based Violence Prevention Programs and Mental Health Services in South Carolina Department of Health Services Policy and Management Arnold School of Public Health, University of South Carolina, Columbia, SC	
	Postbaccalaureate Certificate in Geographic Information Systems	June 2009
	Department of Geography, College of Earth and Mineral Sciences Pennsylvania State University World Campus	
	Bachelor of Science, Biology Bachelor of Arts, Music	May 2002
	With Honors from the South Carolina Honors College University of South Carolina, Columbia, SC	

Research Interests

Rural health services; access to care for underserved populations; geographic information systems & science (GIS) methodology for health services research; availability and utilization of behavioral health care services by rural populations; rural oral health; veterans health.

Professional Employment

2009 – Present. Assistant Professor, Department of Health Services Management, College of Public Health, University of Kentucky, Lexington, KY.

2008 – 2009. Adjunct Assistant Professor, Department of Health Services Management, College of Public Health, University of Kentucky, Lexington, KY.

2007 – 2009. Post-Doctoral Scholar, Rural Cancer Control and Prevention Training Program, Department of Internal Medicine, College of Medicine, University of Kentucky, Lexington, KY. Placement in the Office of Rural Health Research and Policy, Office of Health Research and Development, College of Medicine, University of Kentucky, Lexington, KY.

2003 – 2007. Research Associate, South Carolina Rural Health Research Center, Columbia, SC.

Honors and Activities

Professional & Post-Graduate

- 2010-2011 Wethington Award, University of Kentucky College of Public Health.
- Delta Omega Graduate Honorary Society in Public Health, inducted Spring 2009.

Graduate

- Lavonne Straub Student Research Paper Award. 2006 National Rural Health Association Annual Conference, Reno, NV.
- 2006 Student Poster/Abstract Award, Mu Chapter, Delta Omega Graduate Honorary Society, Arnold School of Public Health, University of South Carolina.
- 2006 Recipient, South Carolina Telco FCU Excellence in Education Scholarship.
- Best Poster Award, 2005 National Rural Health Association Annual Conference. New Orleans, LA.
- 2002-2003 Michael D. Jarrett Scholarship Award. Arnold School of Public Health. Given “in recognition of leadership potential in public health administration.”
- 2002-2003 Health Administration Traineeship Recipient. Health Resources and Services Administration, U.S. Department of Health and Human Services.

Undergraduate

- 1999 University of South Carolina Summer Research Fellowship Recipient (USC Bioethics Consortium)

Publications

Manuscripts in Refereed Journals

1. Fallin A, Murrey M, **Johnson AO**, Riker C, Hahn, E. (*under review*). Measuring Compliance with Tobacco-free University Policy. Submitted to American Journal of College Health.
2. Fallin A, **Johnson AO**, Cohen E, Rayens MK, Hahn E. (*under review*). An Intervention to Promote Compliance with a Tobacco-free Campus Policy. Submitted to American Journal for Health Promotion.
3. Saman DM, **Johnson AO**, Arevalo O, Odoi, A. Geospatially Illustrating Regional-based Oral Health Disparities in Kentucky. Public Health Reports, 126:5, 2011.
4. Saman DM, Arevalo O, **Johnson AO**. The Dental Workforce in Kentucky: Current Status and Future Needs. Journal of Public Health Dentistry, 70:3, 2010.
5. Anderson DM, Whitler ET, **Johnson AO**, Elam CL, Wilson EA, Asher LM. Increasing the Medical School Applicant Pool: A Key to Training More Rural Physicians. Journal of the Kentucky Medical Association, 107:9, 2009
6. Katz ML, Reiter PL, Kluhsman BS, Kennedy S, Dwyer S, Schoenberg N, **Johnson AO**, Ely G, Roberto KA, Lengerich EJ, Brown P, Paskett ED, Dignan M. Human Papillomavirus (HPV) Vaccine Availability,

Recommendations, Cost, and Policies Among Health Departments in Seven Appalachian States. *Vaccine*, 27:24, 2009.

7. **Johnson AO**, Harun N, Mink MD, Moore CG, Martin AB, Bennett KJ. Violence and Drug Use in Rural Teens: National Prevalence Estimates from the 2003 Youth Risk Behavior Survey. *Journal of School Health*, 78:10, 2008.
8. Torres ME, Parra-Medina D, Bellinger JD, **Johnson AO**, Probst JC. Rural Hospitals and Spanish Speaking Patients with Limited English Proficiency. *Journal of Healthcare Management*, 53:2, 2008.
9. Probst JC, Laditka SB, Wang J-Y, **Johnson AO**. Effects of Residence and Race on Burden of Travel for Care: Cross Sectional Analysis of the 2001 US National Household Travel Survey. *BMC Health Services Research*, 7:40, 2007.
10. Rhoades D, McFarland K, Finch W, **Johnson A**. Speaking and Interruptions During Primary Care Office Visits. *Family Medicine* 33(7), 528-32, 2001.

Technical Reports

1. Martin AB, Wang J-Y, Probst JC, Hale N, **Johnson AO**. Dental Health and Access to Care among Rural Children: A National and State Portrait. (2008) Submitted to the Federal Office of Rural Health Policy, Health Resources and Services Administration, under Grant No. 1 U1CRH03711-01.
2. Torres ME, Bellinger JD, Probst JC, Harun N, **Johnson AO**. Use of Preventive Services Among Hispanic Sub-Groups: Does One Size Fit All? (2007) Submitted to the Federal Office of Rural Health Policy, Health Resources and Services Administration, under Grant No. 1 U1CRH03711-01.
3. Probst JC, Laditka SB, Wang J-Y, **Johnson AO**. Mode of Travel and Actual Distance Traveled For Medical or Dental Care By Rural and Urban Residents. (2006) Submitted to the Federal Office of Rural Health Policy, Health Resources and Services Administration, under Grant No. 1 U1CRH03711-01.
4. Torres ME, Parra-Medina D, Martin AB, **Johnson AO**, Bellinger JD, Probst, JC. Rural Hospitals and Limited English Proficiency Patients (Spanish Speakers). (2005) Submitted to the Federal Office of Rural Health Policy, Health Resources and Services Administration, under Grant No. 1 U1CRH03711-01.
5. Mink MD, Moore CG, **Johnson AO**, Probst JC. Violence and Rural Teens: A National Study of Exposure to Violence, Mental Health Services, and Violence Prevention Programs. (2005) Submitted to the Federal Office of Rural Health Policy, Health Resources and Services Administration, under Grant No. 6 U1CRH00045-01.
6. Moore CG, Mink MD, Probst JC, **Johnson AO**, Hughley, S. Mental Health Risk Factors, Unmet Needs and Provider Availability for Rural Children. (2005) Submitted to the Federal Office of Rural Health Policy, Health Resources and Services Administration, under Grant No. 6 U1CRH00045-01.

Presentations at Professional Meetings

Conference Sessions and Contributed Papers

1. Samuels ME, **Johnson AO**, Whitley ET. United States/Mexico Rural Border Health Issues. 2011 National Rural Health Association Annual Conference, Austin, TX.

2. Samuels ME, **Johnson AO**, Whitler, ET. United States/Mexico Rural Border Health Issues. 2010 National Rural Health Association Annual Rural Multiracial and Multicultural Health Conference, Tuscon, AZ.
3. **Johnson AO**. The Geographic Availability of Substance Abuse Treatment to Rural Veterans. 2009 Kentucky Rural Health Association Annual Conference, Frankfort, KY.
4. Huang B, Gal TJ, Wallace HM, **Johnson AO**. Travel Distance, Diagnosis, Treatment and Survival for Oral Cavity and Pharynx Cancer in Kentucky. 2009 North American Association of Central Cancer Registries Annual Meeting, San Diego, CA.
5. **Johnson AO**, Bellinger JD, Dignan MB. Issues in Rural Cancer Prevention and Treatment. 2009 National Rural Health Association Annual Conference, Miami Beach, FL.
6. Katz ML, Reiter PL, Kennedy S, Schoenberg N, **Johnson A**, Ely G, Roberto KA, Lengerich E, Paskett E, Dignan M. Human Papillomavirus (HPV) Vaccine Availability, Recommendations, Cost, and Policies Among Health Departments in Seven Appalachian States. 2009 Annual Meeting of the American Society of Preventive Oncology, Tampa, FL.
7. **Johnson AO**. Minority Cancer Mortality in Rural High-Poverty Counties. 2008 National Rural Health Association Rural Minority and Multicultural Health Conference, Albuquerque, NM.
8. Torres ME, Probst JC, Bellinger JD, Harun N, **Johnson AO**. Place of Residence, Acculturation, and the Use of Preventive Services among Hispanic Subgroups. 2007 American Public Health Association Annual Meeting & Exposition, Washington, D.C.
9. **Johnson AO**. Modeling Natural Disaster Impacts on Healthcare Infrastructures using HAZUS-MH. 2007 South Carolina Rural Health Association Conference, Columbia, SC.
10. Torres ME, Parra-Medina D, **Johnson AO**, Bellinger JD, Probst JC. How Rural Hospitals Accommodate Low English Proficiency (LEP) Spanish-Speaking Patients Through Language Assistance. 2006 American Public Health Association Annual Meeting & Exposition, Boston, MA.
11. **Johnson AO**, Probst JC. A GIS-Based Approach to Estimating Hurricane Impact on Medical Facilities in South Carolina. 2006 South Carolina Hospital Association COO Disaster Preparedness Program, Columbia, SC.
12. Torres M, Parra-Medina D, **Johnson AO**, Probst JC. How Rural Hospitals Accommodate Low English Proficiency (LEP) Spanish-Speaking Patients Through Language Assistance. 2006 National Leadership Summit on Eliminating Racial and Ethnic Disparities in Health, Washington, DC.
13. Rhoades D., McFarland K., **Johnson A**. Speaking and Interruptions During Primary Care Office Visits. 2000 University of South Carolina Bioethics Consortium Lecture Series, Columbia, SC.

Research Poster Presentations

1. Fallin A, Murrey M, **Johnson AO**, Riker C, Hahn E. Protocol for measuring adherence to a tobacco-free university policy. 2010 American Public Health Association Annual Conference, Denver, CO.
2. Hahn E, Wells L, Fallin A, Beatty A, Darville A, Ensmann J, **Johnson AO**. Compliance with tobacco-free university policy. 2010 American Public Health Association Conference, Denver, CO.
3. Fallin A, **Johnson, AO**, Kostygina G, Cohen E, Hahn E. An Intervention to Promote Compliance with a Tobacco-Free Campus Policy. 2011 Southern Nursing Research Society Conference, Jacksonville, FL.

4. Patidar N, Soares N, Kanungo S, **Johnson AO**. Using Geo-mapping to Assess Developmental-Behavioral Pediatric Telemedicine Service Utilization and Cost Effectiveness. 2010 American Telemedicine Association Mid-Year Meeting, Baltimore, MD.
5. Saman DM, Arevalo O, **Johnson AO**. Using Cartograms to Illustrate Disparities in Oral Health in Kentucky. 2009 American Public Health Association National Conference, Philadelphia, PA.
6. Laditka JN, Laditka SB, Probst JC, **Johnson AO**. New Evidence of a Gradient in Access to Primary Health Care across Levels of Rurality. 2007 National Rural Health Association Conference, Anchorage, AK.
7. **Johnson AO**, Wang J-Y, Probst JC, Laditka SB. Effects of Residence and Race on Long-Distance and Extraordinary Travel for Care. 2007 National Rural Health Association Conference, Anchorage, AK.
8. **Johnson AO**, Laditka SB, Probst JC. Substance Abuse Treatment Facilities: Rurality and Service Options. 2006 National Rural Health Association Conference, Reno, NV.
9. **Johnson AO**, Probst JC. What if Katrina Hit Here: A GIS-Based Approach to Estimating Hurricane Impact on Medical Facilities in the South Carolina Lowcountry. 2006 South Carolina Rural Health Association Conference, Columbia, SC.
10. Probst JC, Laditka SB, Wang JY, **Johnson AO**. Access to Medical and Dental Care: Does Travel Burden Differ by Race and Ethnicity? AcademyHealth 2006 Annual Research Meeting, Seattle, WA.
11. **Johnson AO**, Mink MD, Moore CG, Probst JC. Violence and Rural Teens: A National Study of School-Based Mental Health Services and Violence Prevention Policies. 2005 National Rural Health Association Conference, New Orleans, LA.
12. **Johnson AO**, Mink MD, Moore CG, Probst JC. Violence and Rural Teens: A National Study of School-Based Mental Health Services and Violence Prevention Policies. 2005 South Carolina Rural Health Association Conference, Columbia, SC.
13. **Johnson AO**. A Descriptive Analysis of Community Mental Health Center Distribution and Service Area Coverage using a Geographic Information System. 2004 National Rural Health Association Conference, San Diego, CA.
14. **Johnson AO**. A Qualitative Assessment of School-Based Violence Prevention Programs and Mental Health Services. 2004 South Carolina Rural Health Association Conference, Columbia, SC.

Grant Support

Funded

1. University of Kentucky Medical Center Health Information Technology Regional Extension Center Program. [Office of the National Coordinator for Health Information Technology]
Role: Co-Investigator (15%, 2010-)
2. Local Legal Infrastructure and its Association with Population Health [Robert Wood Johnson].
Role: Co-Investigator (3.2%, 2010-)
3. Data Integration for Public Health Systems Research [Robert Wood Johnson].
Role: Co-Investigator (29.28%, 2010-)

Pending Review

4. National Training and Technical Assistance Cooperative Agreement (U30: HRSA-11-023). In support of application by the National Rural Health Association.

Proposal Aim: To update the 2003 Rural-Urban Continuum Codes using current Census estimates
Role: Research Consultant (with Michael Samuels)

Applications Currently in Development

5. Science of Structure, Organization and Practice Design in the Efficient Delivery of Effective Healthcare (R21: RFA-RM-10-016).
Role: Co-Investigator (with Sarah Wackerbarth and Martha Riddell)
6. Spatial Uncertainty: Data, Modeling, and Communication (R21: PA-11-239).
Proposal Aim: Develop nested measures of location, evaluate their relative cost-effectiveness and data collection burden, and assess their appropriateness for the measurement of access to cancer prevention and treatment services. (due 10/16/2011).
Role: Primary Investigator (with Alison Gustafson, Jay Christian, and Emily Van Meter)
7. Obesity Policy Research: Evaluation and Measures (R21: PA-10-028).
Proposal Aim: Validate GPS-based measurements of activity space to estimate awareness of food environment (due 10/16/2011).
Role: Primary Investigator (with Alison Gustafson, Jay Christian, and Emily Van Meter)

Teaching Activities

Courses Taught

1. Quantitative Methods for Healthcare Management (HA 621), University of Kentucky College of Public Health, Fall 2010. (Fall 2011 planned)
2. Decision Making in Health Care Organizations (HA 660), University of Kentucky College of Public Health, Spring 2010/11. (Fall 2011 co-teaching planned)
3. Decision Analysis & Decision Support Systems (HA 623), University of Kentucky College of Public Health, Fall 2009.
4. Research Methods for Public Health (CPH 647), University of Kentucky College of Public Health, Spring 2009.
5. Geographic Information Science (GIS) & Public Health (CPH 660), University of Kentucky College of Public Health, Spring 2009/10/11 (Fall 2011 & Spring 2012 co-teaching planned).

Student Committee Participation

- 2010: 13 MHA (4 co-chaired), 2 MPH
- 2011: 10 MHA (5 co-chaired), 1 MPH (1 chaired), 2 DrPH

Guest Lectures

1. "Quantitative Methods for Evaluation Research", College of Public Health, University of Kentucky, Fall 2009/10. Instructor: M. Riddell
2. "Geographic Information Systems for Health Care Administration", College of Public Health, University of Kentucky, Spring 2010. Instructor: M. Riddell
3. "Data Hygiene for Public Health Researchers", College of Public Health, University of Kentucky, Fall 2008. Instructor: M. Riddell
4. "Introduction to Rural Health Policy", College of Public Health, University of Kentucky, Spring 2008. Instructor: R. Vanderpool

5. "Common Cartographic Design Errors and How to Avoid Them", College of Public Health, University of Kentucky, Spring 2008. Instructor: J. Jones
6. "Rural Behavioral Health Care", Arnold School of Public Health, University of South Carolina, Fall 2006. Instructor: A. Martin

Service Activities and Memberships

Institutional

- *University of Kentucky Geospatial Technology Workgroup*
 - o Chair, Academic Subcommittee, 2009-Present
 - o Member, Workgroup Steering Committee, 2011-Present
- Conducted university-wide GIS curriculum inventory for future consolidation; assisted in the development of Graduate and Undergraduate Certificates in Geospatial Science & Technology

Departmental & College

- *Admissions & Student Affairs Committee*, University of Kentucky College of Public Health, 2010-Present
- MHA reaccreditation efforts: development of new MHA Capstone Guidelines and HA 660 format; lead for MHA and HSM website revisions

Community

- Advisory Board Member, KY Violent Death Reporting System, 2011-Present
- Cartographic, evaluation, and statistical support for various state and local health organizations
 - o University of Kentucky Area Health Education Center
 - o Kentucky Organ Donor Affiliates
 - o Tracy Farmer Institute for Sustainability and the Environment
 - o UK Centers for Rural Health

Discipline

- Member, National Rural Health Association
- Member, Kentucky Association of Mapping Professionals
- Editor, Appalachia Community Cancer Network Policy Brief Series, 2007-2009
- Selection Committee Member, ASPH/CDC Allan Rosenfield Global Health Fellowship Program Application Review Panel, 2008-Present
- Reviewer, *Vaccine*, The International Society for Vaccines, Worcester, MA, May 2011-Present.
- Reviewer, *Journal of Rural Health*, National Rural Health Association, Kansas City, MO, September 2007-Present
- Reviewer, *Journal of School Health*, American School Health Association, Kent, OH, September 2007-Present