

ANNUAL REPORT

2013

DEPARTMENT OF HEALTH MANAGEMENT AND POLICY

CENTER FOR HEALTH POLICY AND RESEARCH



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27

total research projects

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\$11,913,861

total direct funding by research

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17

Center Associates

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# About the Center for Health Policy and Research

The Center for Health Policy and Research is the research arm of the Department of Health Management and Policy, and is a University-wide interdisciplinary research facility. Faculty members from the Colleges of Public Health, Medicine, Dentistry, Pharmacy, Nursing, Business Administration, and Liberal Arts and Sciences serve as investigators in a variety of studies. Staff plus master's degree and doctoral students assist with ongoing research projects.

The Center houses numerous projects led by Center Associates. On average, 20-25 research projects are funded through the Center at any given time. Primary project funding comes from the National Institutes of Health (NIH), the State of Iowa, the Agency for Healthcare Research and Quality (AHRQ), the Health Resources and Services Administration (HRSA), the Patient Centered Outcomes Research Institute (PCORI), foundations, and private organizations.

The Center sponsors a number of educational activities. Our Friday

Seminar Series showcases research updates from members of the department, those around the University, as well as special visitors. Faculty are able to share their cutting-edge research with their Departmental and College colleagues, and doctoral students may present in order to have the opportunity to receive helpful critique and suggestions regarding their work. Our Visiting Scholar Series was established in order to bring leaders in health

repute discuss timely and timeless subjects. For example, this year, we were able to host Jonathan Oberlander, PhD, Professor of Social Medicine and Health Policy & Management at the University of North Carolina-Chapel Hill.

The Center also promotes collaboration among health organizations through frequent exchanges with professional and provider associations, policy and planning groups, insurance organizations,

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policy and research from around the country to the University of Iowa to present lectures and meet with faculty and students, in order to foster dialogue among and interact with the College of Public Health and greater UI community. Guest scholars of national and international

health delivery institutions, and other members of the health services research community.

[Enjoy our 2013 Annual Report!](#)

# Center Associates



**Christopher Atchison, MPA**  
Clinical Professor

**Research interests:** health services, public administration, public health, public health practice, public health systems research



**Padmaja Ayyagari, PhD**  
Assistant Professor

**Research interests:** health economics, economics of aging, applied microeconomics



**Sue Curry, PhD**  
Distinguished Professor and Dean

**Research interests:** health policy, implementation of evidence-based practice guidelines, behavioral risk factor modification, cancer prevention and control, community-based participatory research



**Loreen Herwaldt, MD**  
Professor of Internal Medicine - Infectious Diseases

**Research interests:** identifying risk factors for healthcare-associated adverse events and outcomes, studying and teaching clinician-patient communication, health policy



## Brian Kaskie, PhD

Associate Professor

**Research interests:** health policies pertaining to aging populations, policies and health services use by older persons, including persons with Alzheimer's disease and other psychiatric illness



## Samuel Levey, PhD

Distinguished Professor

**Research interests:** organization and management of health care, health history and policy



## A. Clinton MacKinney, MD

Clinical Assistant Professor

**Research interests:** rural health policy, physician and administration relationships, patient safety and quality improvement, population-based healthcare



## Ian Montgomery, MA

Clinical Associate Professor

**Research interests:** developing a case-oriented text on medical practice administration





**Keith Mueller, PhD**  
Gerhard Hartman Professor and Head

**Research interests:** implementation of the Affordable Care Act, delivery of health-care in rural areas, rural health policy



**Dan Shane, PhD**  
Assistant Professor

**Research interests:** health insurance, applied econometrics, health policy, health reform and physician incentives



**Tanya Uden-Holman, PhD**  
Clinical Associate Professor

**Research interests:** workforce development, quality improvement and patient safety



**Thomas Vaughn, PhD**  
Associate Professor

**Research interests:** health services organization and policy, leadership and quality, organizational factors associated with effectiveness



**Marcia Ward, PhD**  
Professor

**Research interests:** health outcomes, patient safety and quality, rural healthcare



**George Wehby, PhD**  
Associate Professor

**Research interests:** health economics, applied econometrics, health services research, healthcare effectiveness, maternal and child health



**Fredric Wolinsky, PhD**  
Professor and John W. Colloton Chair

**Research interests:** health-related quality of life, health and illness behavior among older adults, assessment of meaningful change in longitudinal modeling



**Brad Wright, PhD**  
Assistant Professor

**Research interests:** access to healthcare for vulnerable populations, disparities in health and health care, safety-net and primary care providers, health politics and policy



**Xi Zhu, PhD**  
Assistant Professor

**Research interests:** organizational behavior, organization theory, health care policy and management, social network analysis, economic sociology

***Center Associates include faculty in the Department of Health Management and Policy and others who are principal investigators on research projects based in the Center for Health Policy and Research.***

# Center Affiliates

Abby Barker	Washington University, St. Louis
Barbara Braun	The Joint Commission
William Budelier	Epidemiology, The University of Iowa
Joseph Cavanaugh	Biostatistics, The University of Iowa
Jill Scott-Cawiezell	College of Nursing, The University of Iowa
Hsiu-Yin Chiang	Internal Medicine, The University of Iowa
Kaare Christensen	University of Southern Denmark
Patty Dokken	Stratis Health
Kimberly Dukes	Consultant
Tatiana Formina	University of Bergen
Juan Gili	ECLAMC
Rhinda Goedken	Epidemiology, The University of Iowa
Joanne Hafner	The Joint Commission
Jeff Hiris	Brown University
Michael Jones	Biostatistics, The University of Iowa
Leah Kemper	Washington University, St. Louis
Rolv Lie	University of Bergen
Jorge Lopez-Camelo	ECLAMC
Jennifer Lundblad	Stratis Health
Michelle Martin	Health Management and Policy



Timothy McBride	Washington University, St. Louis
Deb McKinley	Stratis Health
Kimberly Merchant	Health Management and Policy
Lina Moreno Uribe	College of Dentistry, The University of Iowa
Ron Munger	Utah State University
Nichole Nidey	Pediatrics, The University of Iowa
Barb Olson	Stratis Health
Mariela Pawluk	ECLAMC
Dorthe Almind Pedersen	University of Southern Denmark
Eli Perencevich	Internal Medicine, The University of Iowa
Roxane Pfister	Utah State University
Fernando Poletta	ECLAMC
Heather Reisinger	Internal Medicine, The University of Iowa
Jocelyn Richgels	University of Missouri-Columbia
Chika Richter	College of Dentistry, The University of Iowa
Paul Romitti	Epidemiology, The University of Iowa
Diane Schaeffer	Health Management and Policy
Marin Schweizer	Internal Medicine, The University of Iowa
Janelle Shearer	Stratis Health
Kelli Todd	Health Management and Policy

*Center Affiliates include faculty and staff who receive a portion of salary support from research projects based in the Center for Health Policy and Research.*



# Center Graduate Research Assistants

## Health Management and Policy GRAs

Jure Baloh	Bryant Conkling
Anthony Eves	Nicholas Howald
Min Jee Lee	Erin Moen
Nabil Natafgi	Matthew Nattinger
Kwame Nyarko	Andrew Potter
Darcelle Skeete	Christopher Stamy
Patience Ugwi	Paige Wallace
Paula Weigel	Katherine Westfall
Shawn Zierke	

## GRAs from outside Health Management and Policy

Matthew Andersson	Sociology
Colleen Kummet	Biostatistics
Yiyue Lou	Biostatistics
Kirstin Manges	College of Nursing
Mark Walker	Sociology

*Graduate Research Assistants are students in master's and PhD programs who receive a portion of salary support from research projects based in the Center for Health Policy and Research.*

# Research Projects

## *STUDIES FOCUSED ON RURAL HEALTH POLICY*

### ***Rapid Response to Requests for Rural Data Analysis and Issue Specific Rural Research Studies***

University of North Carolina at Chapel Hill/US Department of Health & Human Services, Health Resources & Services Administration

Principal Investigator: Keith Mueller

Co-Investigator: A. Clinton MacKinney

Direct Funds: \$453,560 | Funding Period: 2010 - 2014

This subaward to the University of Iowa from the University of North Carolina involves two primary tasks. These tasks are to respond rapidly to requests for rural data analysis and to conduct issue-specific rural research studies within 9 to 12 months from the date of request for the study.

### ***Rural Policy Analysis Cooperative Agreement***

University of Missouri-Columbia/US Department of Health & Human Services, Health Resources & Services Administration

Principal Investigator: Keith Mueller

Co-Investigator: A. Clinton MacKinney

Direct Funds: \$148,344 | Funding Period: 2010 - 2017

The RUPRI Health Panel will continue its analysis of proposals to reform health care delivery and finance in the US. Our work will produce brief analytical papers (ranging from quick analysis products to policy briefs) that the Office of Rural Health Policy will disseminate through its web site and the reform web site of the DHHS.

### ***Rural Health Research Center - Cooperative Agreement Program***

US Department of Health & Human Services, Health Resources & Services Administration

Principal Investigator: Keith Mueller

Co-Investigators: A. Clinton MacKinney, Timothy McBride, Thomas Vaughn, Marcia Ward, Xi Zhu

Direct Funds: \$1,677,100 | Funding Period: 2010 - 2016

The purpose of this award is to establish the Rural Health Research Center-Cooperative Agreement Program at the University of Iowa--RUPRI Center.

### ***Supporting the Policy Advisory Activities of the Health Panel, Rural Policy Research***

The Leona M. and Harry B. Helmsley Charitable Trust

Principal Investigator: Keith Mueller

Co-Investigator: A. Clinton MacKinney

Direct Funds: \$183,228 | Funding Period: 2012 - 2015

This funding supports the work of the RUPRI panel whose aim is to spur public dialogue and help policy-makers understand the rural impacts of public policies and programs.



## Updates from the RUPRI Center for Rural Health Policy Analysis

The RUPRI Center is in the second year of its current four-year cooperative agreement with the Federal Office of Rural Health Policy, which supports core capacity and four specific projects each year. Our collaborators at Washington University in St Louis have completed policy briefs tracking enrollment into Medicare Advantage (MA) plans, and analyses of rural-focused MA plan performance on a set of quality indicators being used in payment incentives to MA plans. They have also completed the first products from their analysis of health care marketplaces being developed with the implementation of the Patient Protection and Affordable Care Act (ACA). Investigators in the Center have completed a first round of research focused on the onset of Accountable Care Organizations as authorized by the ACA. Drs. MacKinney, Vaughn, Mueller, and Zhu, along with Fred Ullrich and graduate student analysts, have completed several papers and policy briefs from this work, and more are under review at ORHP. Dr. Ward has directed research related to the spread of telehealth, some of which is available through a policy brief and more will be published soon. Center products are available from its web site: [www.ruprihealth.org](http://www.ruprihealth.org).

The Center supports the RUPRI Health Panel, which just released its analysis of implementation of the ACA, featured in a highly attended session (standing room only!) at the annual meeting of the National Rural Health Association. The "Second Look" document is available through the Center's website (linked to the RUPRI web site). This work is funded by The Leona M. and Harry B. Helmsley Charitable Trust. The Helmsley Charitable Trust also funds evaluation work the Center has been doing for three years (project directed by Dr. Ward) of the implementation of hospital-based telehealth services, featured in an article published recently in *Health Affairs* and a presentation at special forum hosted by the journal in Washington DC, covered by C-SPAN.



## STUDIES OF HEALTH CARE TEAMS

### ***Evaluation of TeamSTEPPS™ Implementation for Community Hospital Patient Safety***

US Department of Health & Human Services, Agency for Healthcare Research & Quality

Principal Investigator: Marcia Ward

Co-Investigators: Jill Scott-Cawiezell, Greg Stewart, Thomas Vaughn, Xi Zhu

Direct Funds: \$1,692,436 | Funding Period: 2010 - 2015

This study is designed to retrospectively and prospectively evaluate in community hospitals the elements of the TeamSTEPPS approach including organizational readiness, culture, training effectiveness, implementation strategies and fidelity, staff behaviors, burden/cost, and outcomes to identify the elements that are most important for success.

### ***Telligen: Quality Improvement and Patient Safety Activities in Iowa's Critical Access Hospitals***

Iowa Department of Public Health

Principal Investigator: Marcia Ward

Direct Funds: \$9,609 | Funding Period: 2012 - 2013

Project conducts the evaluations of all Iowa TeamSTEPPS-trained CAHs and develop a report of the outcomes, barriers, lessons learned, and successes. Present findings at QI Coordinator meeting.

### ***Managing Team Boundary and Role Structure in a Multi-Team System to Improve Patient Safety***

UI College of Public Health

Principal Investigator: Xi Zhu

Direct Funds: \$10,000 | Funding Period: 2013

In the last decade, the health care community has devoted significant efforts to improving patient safety through interventions to improve teamwork and communication among care providers. However, evidence of current intervention effectiveness is relatively limited, and preventable adverse patient events remain common. One challenge that medical teams frequently face, but the current interventions fail to address, is how to manage "fuzzy" team boundaries and role structures in a dynamic clinical environment where multiple, sometimes overlapping, teams coexist (e.g., an emergency department). There is a critical need to investigate how medical teams function in multi-team environments and to develop strategies that can be used to assist care providers to manage team boundaries and role structures in such environments. This pilot project seeks to develop methods and collect preliminary data to study the impact of team boundary and role structure on medical team effectiveness and patient safety.



## STUDIES ACROSS THE LIFESPAN - CHILDREN AND ADOLESCENTS

### **Academic Achievement of Children and Adolescents with Oral Clefts**

US Department of Health & Human Services, National Institutes of Health

Principal Investigator: George Wehby

Co-Investigator: Paul Romitti

Direct Funds: \$210,220 | Funding Period: 2011 - 2013

This study will identify the impacts of NS cleft lip/palate on the educational achievement of children and adolescents with oral clefts and assess how these impacts vary by socioeconomic, demographic, and health backgrounds.

### **Genetic Instrumental Variable Studies of Maternal Risk Behaviors for Oral Clefts**

US Department of Health & Human Services, National Institutes of Health

Principal Investigator: George Wehby

Co-Investigators: Lina Moreno Uribe, Jeff Murray, Paul Romitti

Direct Funds: \$1,953,992 | Funding Period: 2010 - 2015

The objective of this study is to estimate the effects of maternal risk behaviors during pregnancy including smoking, obesity, alcohol, and caffeine use on cleft lip/palate risks using a genetic instrumental variable (IV) model that accounts for unobserved confounders.

### **Identifying Determinants of Birth Outcomes in South America**

US Department of Health & Human Services, National Institutes of Health

Principal Investigator: George Wehby

Direct Funds: \$26,520 | Funding Period: 2010 - 2013

This project aims at identifying determinants of adverse birth outcomes including low birth weight, preterm birth, and intrauterine growth restriction in several understudied South American populations. Study results are highly relevant for identifying prevention strategies not only for the included countries but also for others including the United States.

### **Improving Knowledge and Understanding of Appropriate Treatment of Orofacial Clefts**

Operation Smile, Inc.

Principal Investigator: George Wehby

Direct Funds: \$18,788 | Funding Period: 2012 - 2013

Investigate barriers of access to treatment and care for individuals with orofacial clefts in the United States by conducting a comprehensive review of available knowledge and publications to assist with the creating of effective strategies to improve access to health care services for children with orofacial clefts.



## STUDIES ACROSS THE LIFESPAN - OLDER POPULATIONS

### ***The Iowa Study on Promoting Successful Aging within Academic Institutions: Phase III***

Teachers Insurance & Annuity Association - College Retirement Equities Fund (TIAA-CREF)

Principal Investigator: Brian Kaskie

Direct Funds: \$52,127 | Funding Period: 2013 - 2014

Our goal is to contribute to the development of a retirement readiness design process for institutions of higher education.

### ***Methodologies to Adjust for Respondent Status Effects on Health Outcomes***

Patient-Centered Outcomes Research Institute (PCORI)

Principal Investigator: Fredric Wolinsky

Direct Funds: \$464,095 | Funding Period: 2012 - 2014

We propose to gain a better understanding of respondent status effects on the measurement of health and health outcomes of older adults and the identification of their risk factors.

### ***Physical Frailties in Urban African Americans***

Indiana University

Principal Investigator: Fredric Wolinsky

Direct Funds: \$191,905 | Funding Period: 2004 - 2013

The objective of this study is to continue annual follow-ups of the 865 surviving members of the original random sample of 998 middle-aged African Americans living in two geographic areas of St. Louis, MO. The project focuses on three specific aims: 1) investigate further the timing, antecedents, sequence, and consequences of the disablement process; 2) study recovery from disablement; and 3) examine longitudinally the antecedents and consequences of sarcopenia.

### ***Use of Health Services by Caregivers in an Older Biracial Population Sample***

Rush University Medical Center/US Department of Health & Human Services, National Institutes of Health

Principal Investigator: Fredric Wolinsky

Direct Funds: \$156,913 | Funding Period: 2009 - 2013

Informal caregivers are a vital part of the health care system and their importance will grow with the aging of the US population. The general hypothesis is that self-care is compromised among caregivers, especially those experiencing emotional strain, resulting in greater progression of treatable conditions, as shown by patterns of service use.



## STUDIES OF HEALTHCARE DELIVERY SYSTEMS

### **Federally Qualified Health Center and Local Health Department Efforts to Integrate Primary Care and Public Health in Combating Chronic Disease**

UI College of Public Health

Principal Investigator: Brad Wright

Direct Funds: \$10,000 | Funding Period: 2013

The high prevalence of poorly managed chronic disease in the United States, especially among vulnerable populations, is a key driver of high health care expenditures and suboptimal population health outcomes. While the integration of primary care and public health has the potential to combat chronic disease effectively, the two fields have a long history of operating independently. This is particularly true of federally qualified health centers (FQHCs), which provide primary care, and local health departments (LHDs), which provide a variety of primary care and public health services. Both FQHCs and LHDs are critical components of the health care safety net, but little is known about how their respective functions vary based on the primary care and public health contexts of the communities in which they operate. The overall objective of this study is to understand how FQHCs and LHDs address their shared mission of improving population health.

### **Do Federally Qualified Health Centers Reduce Hospital-Based Care of Ambulatory Care Sensitive Conditions among Medicaid-Medicare Dual Eligibles?**

Retirement Research Foundation

Principal Investigator: Brad Wright

Direct Funds: \$65,029 | Funding Period: 2013

America's 9.7 million dual eligibles—low-income elderly and disabled persons covered by both Medicaid and Medicare—face significant barriers to accessing primary care. Consequently, they are more likely to visit the emergency room or be hospitalized for ambulatory care-sensitive conditions, which could have been prevented or managed with adequate primary care. Dual eligibles also represent a disproportionate share of health care spending, so finding better ways to care for them may yield both improved health outcomes and cost savings. Federally qualified health centers, which provide primary care regardless of ability to pay and offer a variety of non-clinical services to improve access to care, have been shown to effectively manage ambulatory care sensitive conditions. However, dual eligibles' receipt of care at federally qualified health centers has not been studied. Therefore, the objective of this study is to determine, using Medicare claims data, whether dual eligibles who receive care at a federally qualified health center have lower rates of hospital-based care for ambulatory care-sensitive conditions.

### **Payment Reform Evaluation**

Oregon Association of Hospitals and Health Systems

Principal Investigator: A. Clinton MacKinney

Co-Investigator: Keith Mueller

Direct Funds: \$16,343 | Funding Period: 2012 - 2013

The Oregon Association of Hospitals and Health Systems (OAHHS) engaged the RUPRI Center for Rural Health Policy Analysis to assist Oregon's rural hospitals understand national trends in rural health care payment and explore the implications of an as-yet-undefined Medicaid hospital financing system. The RUPRI Center assisted OAHHS review and select individual rural hospital financial performance metrics and community/population characteristics likely to place local health care providers at financial risk.

### **Rural Health System Analysis and Technical Assistance Cooperative Agreement**

US Department of Health & Human Services, Health Resources & Services Administration

Principal Investigator: Keith Mueller

Co-Investigators: Jennifer Lundblad, A. Clinton MacKinney, Timothy McBride, Thomas Vaughn, Marcia Ward, Xi Zhu

Direct Funds: \$1,363,178 | Funding Period: 2012 - 2015

The purpose of this project is to analyze rural implications of changes in the organization, finance, and delivery of healthcare services in the US and to assist rural communities and providers transition to a high performance rural health system.



## ***Studies of Healthcare Delivery Systems cont.***

### ***VA-IPA Wright***

US Department of Veterans Affairs, Iowa City Veterans Affairs Medical Center

Principal Investigator: Brad Wright

Co-Investigator: Padmaja Ayyagari

Direct Funds: \$89,843 | Funding Period: 2013

Dr Wright will support two Veterans Rural Health Resource Center-Central Region's projects, "Trends and Variation in Observation Care at VA Hospitals," and "FQHC Availability and Variation in VA Outpatient Care," Peter Kaboli, MD, Center Director, and Brad Wright, PhD, Project Leader.



## ***STUDIES FOCUSED ON HEALTHCARE FOR SPECIFIC DISEASES***

### ***Optimizing Pre-Operative Antibiotic Prophylaxis for Cardiac and Orthopedic Procedures***

US Department of Health & Human Services, Agency for Healthcare Research & Quality

Principal Investigator: Loreen Herwaldt

Co-Investigators: Barbara Braun, Joe Cavanaugh, Eli Perencevich, Marcia Ward

Direct Funds: \$1,541,787 | Funding Period: 2010 - 2013

This project includes creating a meta-analysis of the literature on pre-operative antibiotic prophylaxis to prevent surgical site infections and assembling existing practice algorithms on this topic. The second phase involves a multi-site trial of the algorithms in practice.

### ***ASCO Study of Geographical Access to Oncology Care***

American Society of Clinical Oncology

Principal Investigator: Marcia Ward

Co-Investigators: Charles Lynch, Gerard Rushton, Roger Tracy

Direct Funds: \$204,093 | Funding Period: 2010 - 2013

The primary objective of the project is to analyze the supply and demand for oncology services in a specific geographic area.

### ***Assessing the Impact of e-Health Services in Rural Settings***

The Leona M. and Harry B. Helmsley Charitable Trust

Principal Investigator: Marcia Ward

Co-Investigators: Padmaja Ayyagari, A. Clinton MacKinney, Keith Mueller

Direct Funds: \$901,469 | Funding Period: 2011 - 2013

This project determines the impacts of tele-health care in Avera Health hospitals on the delivery of services, patient satisfaction, provider use, and cost of care.



### ***Program Evaluation of AHA's STEMI Program in South Dakota***

American Heart Association

Principal Investigator: Marcia Ward

Direct Funds: \$150,000 | Funding Period: 2012 - 2014

### ***Program Evaluation of AHA's STEMI Program in North Dakota***

American Heart Association

Principal Investigator: Marcia Ward

Direct Funds: \$110,000 | Funding Period: 2012 - 2014

### ***Program Evaluation of AHA's STEMI Program in Minnesota***

American Heart Association, The Leona M. and Harry B. Helmsley Charitable Trust

Principal Investigator: Marcia Ward

Co-Investigator: A. Clinton MacKinney

Direct Funds: \$154,544 | Funding Period: 2013 - 2016

### ***Program Evaluation of AHA's STEMI Program in Wyoming***

American Heart Association, The Leona M. and Harry B. Helmsley Charitable Trust

Principal Investigator: Marcia Ward

Co-Investigator: A. Clinton MacKinney

Direct Funds: \$58,738 | Funding Period: 2013 - 2015

The American Heart Association's Mission: Lifeline is a national, community-based initiative. Its goals are to improve quality of care and outcomes in heart attack patients and improve healthcare system readiness and response. In particular, this initiative aims to increase the number of patients with timely access to reperfusion by addressing the continuum of care for ST-segment-elevation myocardial infarction (STEMI). These projects conduct a qualitative program evaluation of the progress toward implementation of this initiative throughout each of the states listed.





# Trends and Variation in Observation Care at VA Hospitals

Over the last decade, observation care—a hospital-based outpatient service used to evaluate and treat acutely ill patients for extended periods—has become an increasingly common, but controversial, alternative to full hospitalization. Proponents argue that observation care represents an alternative to short-stay hospitalization (< 48 hours) and a net cost savings to the health care system, while critics argue that observation care shifts the cost burden of expensive inpatient care onto patients and may compromise the quality of care.

There is also significant variation in observation care use—including racial and geographic disparities. It is unclear both what drives these disparities and whether observation care results in better or worse patient-centered outcomes than short-stay hospitalizations.

The topic of observation care is receiving considerable attention among the Medicare population, but has not been widely studied in VA hospitals.

While there are considerable differences in payment policy that distinguish the two contexts, Veterans are subject to higher copayments for inpatient admissions versus outpatient observation stays, which has financial implications for both individuals and hospitals. Thus, the overall objective of this project is to document trends in the use of observation care at VA hospitals, understand the causes of geographic (i.e., rural) disparities in the use of observation care among Veterans, and examine the implications of these disparities for patient-centered outcomes.

***Funding Period: 2013***

***Funding Source:***  
***US Department of Veterans Affairs***

***Investigator: Brad Wright***  
***Co-Investigator: Padmaja Ayyagari***

# Presentations by CHPR Associates

Atchison, C. G., "Update: Health Reform in Iowa," Research Updates - Center for Health Policy and Research, Department of Health Management and Policy, UI College of Public Health, Iowa City, IA. (February 15, 2013).

Atchison, C. G., "State Hygienic Laboratory Report," State Board of Health Meeting, State of Iowa, Des Moines, IA. (March 2013).

Atchison, C. G., "Moderator: Discovering Cures Discussion Panel," Discovering Cures Iowa, Iowa BioTech Association, Des Moines, IA. (June 7, 2013).

Atchison, C. G., "Community Engagement," Integrated Health Care Models and Multi-Payer Delivery Systems Study Committee (SIM), The Iowa Legislature, Des Moines, IA. (November 19, 2013).

Atchison, C. G., "Understanding the Evolution of the Health Care Delivery System," Integrated Health Care Models and Multi-Payer Delivery Systems Study Committee (SIM), The Iowa Legislature, Des Moines, IA. (November 19, 2013).

Atchison, C. G., "Workforce and Delivery Strategies to Ensure Access," Integrated Health Care Models and Multi-Payer Delivery Systems Study Committee (SIM), The Iowa Legislature, Des Moines, IA. (November 20, 2013).

Atchison, C. G., "The Role of the Medicaid Program in the Integrated System: Member Health Engagement," Integrated Health Care Models and Multi-Payer Delivery Systems Study Committee (SIM), The Iowa Legislature, Des Moines, IA. (November 20, 2013).

Ayyagari, P., "The Impact of Means-Tested Medicare Part B Premiums on Retirement," Association for Public Policy Analysis and Management Conference, Washington, DC. (2013).

Ayyagari, P., "The Impact of Retirement on Smoking Behavior," Tilburg University, Tilburg, Netherlands. (2013).

MacKinney, A. C., "Transferring Risk - the Road to Health Care Value," Health Forum Rural Health Leadership Conference, American Hospital Association Health Forum, Phoenix, AZ. (February 10, 2013).

MacKinney, A. C., "The Rural ED as a Flagship Service for the Hospital, Hospital System and Community," Comprehensive Advanced Live Support (CALS), Minneapolis, MN. (April 26, 2013).

MacKinney, A. C., "Frontier Extended Stay Clinics: A Sustainable Community Model," NRHA Annual Rural Health Conference, Louisville, KY. (May 8, 2013).

MacKinney, A. C., "Health Care Reform Comes to Rural America," 2013 National Conference of State Flex Programs, Federal Office of Rural Health Policy, Bethesda, MD. (July 23, 2013).

MacKinney, A. C., "Shifting to a Value-Based Health Care System," Small Hospital Improvement Program Webinar, Federal Office of Rural Health Policy, Bethesda, MD. (August 6, 2013).

MacKinney, A. C., "The New World of Value – Strategies for Rural Hospitals," Preserving Community Hospitals, National Rural Health Association, Seattle, WA. (August 20, 2013).

MacKinney, A. C., "Transferring Risk and Delivering Value – Rural Hospital Strategies," UnityPoint - Fort Dodge Governing Boards Meeting, Fort Dodge, IA. (September 5, 2013).

MacKinney, A. C., "Physician Allies for Quality Improvement," Stratis Health Webinar series, Stratis Health, Minneapolis, MN. (September 12, 2013).

MacKinney, A. C., "Health Reform, Transferring Risk, and the Road to Value," 2013 THA Rural and Community Hospital Symposium, Texas Hospital Association, Dallas, TX. (September 18, 2013).

MacKinney, A. C., "Rural Hospital Strategies for a Value-based Future," 2013 California Rural Health Conference, California State Rural Healthcare Association, Sacramento, CA. (November 7, 2013).

MacKinney, A. C., "Rural Hospital Strategies for a Value Based Future," St. Croix Falls Regional Medical Center Board meeting, St. Croix Falls, WI. (December 3, 2013).

MacKinney, A. C., "Rural Strategies for a Value Based Future," MN Rural Health Association Cyber-Conference Series, St. Joseph, MN. (December 6, 2013).

Mueller, K. J., "All You Want to Know: ACOs, Health Care Reform and Rural Health," Winter CAH Administrator Meeting, Montana Hospital Association, Helena, MT. (January 23, 2013).

Mueller, K. J., "Research to Policy and Practice: Sustaining Rural Health Services," Roundtable Discussion, Iowa Association of Healthcare Leaders, Des Moines, IA. (February 28, 2013).

Mueller, K. J., "Impact on Health System Market Changes on Rural Health: ACO, PCMH, VBP Consolidation," Region D Meeting, National Organization of State Offices of Rural Health, San Diego, CA. (May 1, 2013).

Mueller, K. J., "ACOs and Much More: Health Reform Comes to Rural America," Thirty-Sixth Annual Rural Hospital Conference, Colorado Hospital Association, Colorado Springs, CO. (May 8, 2013).



Mueller, K. J., "How to Succeed by Trying: Adapting to Change," Thirty-Six Annual Rural Hospital Conference, Colorado Hospital Association, Colorado Springs, CO. (May 8, 2013).

Mueller, K. J., "Access for the Rural Uninsured: Dollars and Sense," Rural Health Journalism Workshop, Association of Health Care Journalists, Birmingham, AL. (June 14, 2013).

Mueller, K. J., "Impact of Health System Market Changes on Rural Health: ACO, PCMH, VBP, Consolidation," Region A Meeting, National Organization of State Offices of Rural Health, Providence, RI. (June 19, 2013).

Mueller, K. J., "Affordable Health and Accessible High Quality Care In Rural America," Rural Reality: More Coverage, Enough Care?, Alliance for Health Reform and Centene Corporation, Washington, DC. (July 26, 2013).

Mueller, K. J., "The Future of Rural Healthcare: Affordable Care Act and Market Reforms," Financial Education Program, Nevada Rural Hospital Partnership, Reno, NV. (August 9, 2013).

Mueller, K. J., MacKinney, A. C., "Playing in the Sandbox of Population Health," Annual Critical Access Hospital Conference, National Rural Health Association, Austin, TX. (October 3, 2013).

Shane, D., Trivedi, P. K., "Emergency Department Utilization and the Uninsured: Does Length of Coverage Gap Matter?," Academy Health Annual Research Meeting, Baltimore, MD. (June 2013).

Shane, D., "ACA Implications for Iowa Businesses," Community Forum, Business Leadership Network, Osceola, IA. (November 12, 2013).

Ward, M. M. "Geographic Access to Oncology Care," National School of Public Health, New University of Lisbon, Lisbon PT. (February 2013).

Ward, M. M. "TeamSTEPPS in Iowa CAHs: Who Makes It Happen?," CAH QIC Coordinator Meeting, IDPH, Des Moines IA. (April 2013).

Wright, D. B., "Trends in Observation Care among Medicare Fee-for-Service Beneficiaries at Critical Access Hospitals versus Prospective Payment Hospitals, 2007 - 2009," AcademyHealth Annual Research Meeting, Baltimore, MD. (June 24, 2013).

Wright, D. B., "Access to Health Care in the United States: A Human Rights Issue?," Human Rights Day, AmeriCorps NCCC North Central Region, Vinton, IA. (July 11, 2013).

Wright, D. B., "Minding the Gaps: The Post-ACA Role of Safety-Net Providers," Affordable Health Care's Next Act Symposium, Gitenstein Institute for Health Law and Policy, Hofstra University, Hempstead, NY. (October 16, 2013).



Wright, D. B., "The Impact of the Affordable Care Act on Your Business, Your Employees, and Yourself," "Business To You" Series, Iowa Valley Community College District, Iowa Falls, IA. (October 30, 2013).

Zhu, X., Wholey, D., "Cross-Disciplinary Understanding in Interdisciplinary Care Teams and Patient Outcomes," AcademyHealth Annual Research Meeting, Baltimore, MD. (June 25, 2013).

Zhu, X., "Expertise Recognition in Interdisciplinary Care Teams and Its Effect on Team Performance," Academy of Management Annual Meeting, Lake Buena Vista, FL. (August 9, 2013).



# Navigating the Affordable Care Act in Iowa

The contentious passage of the Affordable Care Act and the problematic rollout of the Federal online insurance exchange resulted in a challenging environment for Iowa consumers and businesses making decisions about health insurance. To help understand Iowans' views about the law and health care reform more broadly, Dan Shane worked with Pete Damiano and Suzanne Bentler at the UI Public Policy Center and in collaboration with the Iowa Department of Public Health to survey Iowa consumers and businesses about the Affordable Care Act (ACA). They designed survey questions to understand how well Iowans understand the new law, evaluate support for specific provisions of the law, and gauge how comfortable consumers and businesses would be in using an online system to obtain health insurance.

In addition to the surveys, Dr. Shane participated, along with Pete Damiano, in a series of interviews and Q&A sessions regarding the ACA on Ben Kieffer's "River to River" program on Iowa Public Radio. In addition to reporting findings from their surveys, they discussed "hot" news topics and fielded listener queries about the importance of various aspects of the new law and the potential impact of the problematic rollout of the website on the law and health care reform going forward. They received excellent feedback from listeners and the host and felt that they were able to fill important gaps in information and help Iowans understand how the law will impact them.

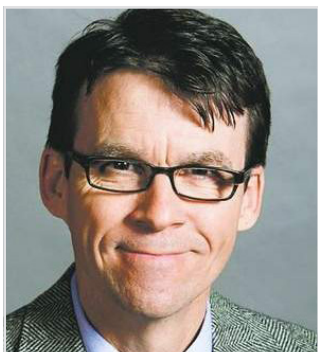
# Presentations by Outside Researchers



**Gerard Rushton, PhD**

Professor, Department of Geography, University of Iowa

*“Spatial Analysis in Health: Recent Research Studies”*



**Senator Joe Bolkcom**

Iowa State Senator, Assistant Majority Leader

*Health Policy Seminar Series: “Contemporary Issues in Health Policy”*



**David Frisvold, PhD**

Assistant Professor of Economics, Tippie College of Business,  
University of Iowa

*“Soft Drink Taxes and Obesity”*



**Jonathan Oberlander, PhD**

Professor of Social Medicine and Health Policy & Management  
University of North Carolina-Chapel Hill

*Visiting Scholar Series: “The Technocratic Wish: Congress, Medicare  
and the Politics of Expertise”*



### **Tony LoSasso, PhD**

Professor, Health Policy & Administration  
University of Illinois at Chicago School of Public Health

***“Does Seeing the Doctor More Often Keep You Out of the Hospital?”***



### **Steven Jenison, MD**

Public Health and Medical Care Consultant  
Santa Fe, NM

**Health Policy Seminar Series: “Medicinal Cannabis Debate”**



### **Charlie Bruner, PhD**

Executive Director, Child and Family Policy Center  
Des Moines, IA

**Health Policy Seminar Series: “Securing Iowa’s Future: The Importance of Child Policy”**



### **Sara Rynes, PhD**

John F. Murray Professor of Management, Tippie College of Business,  
University of Iowa

***“Leading in the New Wave of Change”***

# Publications by CHPR Associates

Andresen, E. M., Malmstrom, T. K., Schootman, M., Wolinsky, F., Miller, J. P., Miller, D. K. (2013). Observer ratings of neighborhoods: comparison of two ratings. *BMC Public Health*, 13(1024), 1-12.

Ayyagari, P., Deb, P., Fletcher, J., Gallo, W., Sindelar, J. (2013). Understanding heterogeneity in price elasticities in the demand for alcohol for older individuals. *Health Economics*, 22(1).

Barker, A. B., Londeree, J. K., McBride, T. D., Kemper, L. M., Mueller, K. J. (2013). The Uninsured: An Analysis by Income and Geography. RUPRI Center for Rural Health Policy Analysis - Rural Policy Brief(2013-6), 1-4.

Bentler, S. E., Morgan, R. O., Virnig, B. A., Wolinsky, F. (2013). Evaluation of a patient-reported continuity of care measure for older adults. *Quality of Life Research*, 22, 1-18.

Curry, S. J., Mermelstein, R. J., Emery, S. L., Sporer, A. K., Berbaum, M. L., Campbell, R. T., Flay, B., Warnecke, R. B. (2013). A national evaluation of community-based youth cessation programs: end of program and twelve-month outcomes. *American Journal of Community Psychology*, 51(1-2), 15-29.

Damiano, P., Bentler, S., Shane, D. (2013). The Health Insurance Marketplace in Iowa: The Consumer Perspective. Final report to the Iowa Department of Public Health.

Damiano, P., Shane, D., Bentler, S. (2013). The Health Insurance Marketplace in Iowa: The Business Perspective. Final report to the Iowa Dept. of Public Health.

Edmonds, S. W., Wolinsky, F., Christensen, A. J., Lu, X., Jones, M. P., Robins, D. W., Saag, K. G., Cram, P. (2013). The PAADR study: a design for a randomized controlled practical clinical trial to improve bone health. *Contemporary Clinical Trials*, 34, 90-100.

Eves, A. R., Mueller, K. J. (2013). State Health Insurance Exchanges: Assessing Rural Implications of Statutes. RUPRI Rural Policy Research Institute(P2013-1), 1-17.

Goertz, C. M., Salsbury, S. A., Vining, R. D., Long, C. R., Andresen, A. A., Jones, M. E., Lyons, K. J., Hondras, M. A., Killinger, L. Z., Wolinsky, F., Wallace, R. B. (2013). Collaborative Care for Older Adults with low back pain by family medicine physicians and doctors of chiropractic (COCOA): study protocol for a randomized controlled trial. *Trials*, 13(18).



Guo, Y., Zhu, X., Du, S. (2013). Relational Detachment, Rule Construction, and Strategic Space: Managing Obligation Boundaries in Family Businesses. *Modern Finance and Economics*, 33(10), 17-23.

Kemper, L., Barker, A., McBride, T. D., Mueller, K. J. (2013). June 2012 - Rural MA Enrollment and Premium Upgrade. RUPRI Center for Rural Health Policy Analysis - Rural Policy Brief(2013-2), 1-4.

Leira, E., Froehler, M., Kaskie, B., Adams, H. (2013). The growing shortage of vascular neurologists in the era of health reform: Planning is brain. *Stroke*, 44(3), 822-827.

MacKinney, A. C., Mueller, K. J., Ullrich, F. (2013). The Frontier Extended Stay Clinic Model: A Potential Health Care Delivery Alternative for Small Rural Communities. RUPRI Center Brief, 2013-9.

MacKinney, A. C., Mueller, K. J., Vaughn, T. E., Zhu, X. (2013). From Health Care Volume to Health Care Value -- Success Strategies for Rural Health care Providers. *The Journal of Rural Health*(24 SEP 2013), 1-5.

MacKinney, A. C., Ullrich, F., Mueller, K. J. (2013). The Frontier Extended Stay Clinic Model: A Potential Health Care Delivery Alternative for Small Rural Communities. RUPRI Center for Rural Health Policy Analysis - Rural Policy Brief, 2013-9, 1-4.

MacKinney, A. C., Vaughn, T. E., Zhu, X., Mueller, K. J., Ullrich, F. (2013). Accountable Care Organizations in Rural America. RUPRI Center Brief(2013-7), 1-4.

Sayavong, S., Kemper, L., Barker, A., McBride, T., Mueller, K. J. (2013). September 2012: Medicare Advantage Enrollment Update. RUPRI Center For Rural Health Policy Analysis Policy Paper, 3.

Shane, D., MacKinney, A. C., Ullrich, F., Mueller, K. J., Weigel, P. (2013). Assessing the Impact of Rural Provider Service Mix on the Primary Care Incentive Payment Program. RUPRI Center Brief(2013-8).

Todd, K., Mueller, K. J., Ullrich, F. (2013). Rural Pharmacy Closures: Implications for Rural Communities. RUPRI Center for Rural Health Policy Analysis - Rural Policy Brief(2012-5).

Todd, K., Westfall, K., Doucette, B., Ullrich, F., Mueller, K. J. (2013). Causes and Consequences of Rural Pharmacy Closures: A Multi-Case Study. RUPRI Center for Rural Health Policy Analysis - Rural Policy Brief, 2013-11, 1-4.

Ullrich, F., MacKinney, A. C., Mueller, K. J. (2013). Rural Implications of the Primary Care Incentive Payment Program. RUPRI Center Brief(2013-2).

Ward, M. M., Ullrich, F., Matthews, K., Rushton, G., Goldstein, M. A., Bajorin, D. F., Hanley, A., Lynch, C. F. (2013). Who does not receive treatment for cancer? *Journal of Oncology Practice*, 9(1), 20-26.

Weigel, P., Hockenberry, J., Bentler, S. E., Wolinsky, F. (2013). Chiropractic use and changes in health among older Medicare beneficiaries: a comparative effectiveness evaluation. *Journal of Manipulative and Physiological Therapeutics*, 36, 572-804.

Weigel, P. W., Ullrich, F., Mueller, K. J. (2013). Demographic and Economic Characteristics Associated with Sole County Pharmacy Closures, 2006 - 2010. RUPRI Center for Rural Health Policy Analysis, 2013-15, 1-4.

Wolinsky, F., Malmstrom, T. K., Andresen, E. M., Schootman, M., Miller, J. P., Miller, D. K. (2013). Association between childhood school segregation and changes in the adult sense of control among the African American Health cohort. *Journal of Gerontology: Social Sciences*, 68B(6), 956-962.

Wolinsky, F., Vander Weg, M. W., Howren, M. B., Jones, M. P., Dotson, M. (2013). A randomized controlled trial of cognitive training in middle aged and older adults. *PLoS ONE*, 8(5), e61624; 1-11.

Wright, B. (2013). Consumer Governance May Harm Health Center Finances. *Journal of Primary Care & Community Health*, 4(3), 202-208.

Wright, B. (2013). Do Patients Have a Voice? The Social Stratification of Health Center Governing Boards. *Health Expectations*, DOI: 10.1111/hex.12059.

Wright, B. (2013). Who Governs Federally Qualified Health Centers? *Journal of Health Politics, Policy and Law*, 38(1), 27-55.

Wright, B. (2013). Rural-Urban Differences in Consumer Governance at Community Health Centers. *Journal of Rural Health*, 29(2), 125-131.

Wright, B., Jung, H.-Y., Feng, Z., Mor, V. (2013). Trends in Observation Care among Medicare Fee-for-Service Beneficiaries at Critical Access Hospitals, 2007 - 2009. *Journal of Rural Health*, 29(s1), s1-s6.

Wright, B., Ricketts, T. C. (2013). When Patients Govern: Federal Grant Funding and Uncompensated Care at Federally Qualified Health Centers. *Journal of Health Care for the Poor and Underserved*, 24(2), 954-967.

Zhu, X. (2013). Expertise Recognition in Interdisciplinary Care Teams and Its Effect on Team Performance. *Academy of Management Proceedings*, 2013(1), 1-6.

# Publications by PhD Students

Nyarko, K.A., Lopez-Camelo, J., Castilla, E.E., Wehby, G.L. (2013) Does the relationship between prenatal care and birth weight vary by oral clefts? Evidence using South American and US samples. *Journal of Pediatrics*, 162:42-49.

Nyarko, K.A., Lopez-Camelo, J., Castilla, E.E., Wehby, G.L. (2013) Explaining racial disparities in infant health in Brazil. *Am J Public Health*, 103(9):1675-84.

Nyarko, K.A., Wehby, G.L., Murray, J. Oral cleft recurrence and subsequent maternal fertility preferences and behavior in Brazil. *Birth Defects Research Part A: Clinical and Molecular Teratology*, in press.

Potter, A.J., Mueller, K.J., MacKinney, A.C., Ward, M.M. The effect of tele-emergency services on recruitment and retention of rural physicians. *Rural and Remote Health*, in press.

Qasim, M., Andrews, R.M. (2013) Despite overall improvement in surgical outcomes since 2000, income-related disparities persist. *Health Affairs*, 32(10):1773-80.

Solimeo, S., Hein M., Paez, M., Ono, S., Lampman, M., Stewart, G. (2013) Medical homes require more than an EMR and aligned incentives. *American Journal of Managed Care*, 19(2): 132-40.

True, G., Stewart G.L., Lampman M., Pelak M., and Solimeo S.L. Teamwork and delegation in medical homes: Primary care staff perspectives in the Veterans Health Administration. *Journal of General Internal Medicine*, in press.

Vaughn, T., Koepke, M., Levey, S., Kroch, E., Hatcher, C.L., Baloh, J. Governing board, C-Suite, and clinical manager perceptions of quality and safety structures, processes, and priorities in U.S. hospitals. *Journal of Healthcare Management*, in press.

Wehby, G.L., Nyarko, K.A, Lopez-Camelo, J. Fetal health shocks and early inequalities in health capital accumulation. *Health Econ*.

Weigel, P.A., Hockenberry, J.M., Bentler, S.E., Wolinsky, F.D. (2013) Chiropractic use and changes in health among older Medicare beneficiaries: A comparative effectiveness observational study. *Journal of Manipulative and Physiological Therapeutics*, 36(9): 572-584.

Weigel, P.A., Hockenberry, J.M., Bentler, S.E., Wolinsky, F.D. The Comparative Effect of Episodes of Chiropractic and Medical Treatment on the Health of Older Adults. *Journal of Manipulative and Physiological Therapeutics*, in press.

# Forthcoming Publications by CHPR Associates

Beard, E., Shahab, L., Curry, S. J., West, R. Association between smoking cessation and short-term health-care use: results from an international prospective cohort study. *Addiction*.

Curry, S. J., Grossman, D. C., Whitlock, E. P., Cantu, A. Behavioral counseling research and evidence-based practice recommendations: U.S. Preventive Services Task Force Perspectives. *Annals of Internal Medicine*.

Curry, S. J., Mermelstein, R. J. Behavior change theory in health education and promotion. *Oxford Bibliographies in Public Health*.

Jaana, M., Vartak, S., Ward, M. M. Evidence-based health care management: What is the research evidence available for healthcare managers? *Evaluation & the Health Professions*.

Liang, J., Zhang, P., Zhu, X., Qiao, Y., Zhao, L., He, Q., Zhang, L., Liang, Y. The Effect of Intergenerational and Intragenerational Support on the Perceived Health of Older Adults: A population-based Analysis in Rural China. *Family Practice*.

MacKinney, A. C., Mueller, K. J., Vaughn, T. E., Zhu, X. From Health Care Volume to Health Care Value – Success Strategies for Rural Health Care Providers. *Journal of Rural Health*.

Mueller, K. J., Potter, A. J., MacKinney, A. C., Ward, M. M. Lessons from tele-emergency: Improving care quality and health outcomes by expanding the care team and supporting rural care systems. *Health Affairs*.

Nyarko, K., Wehby, G. L. Residential segregation and the health of African-American infants: Does the effect vary by prevalence? *Health and Place*.

Potter, A. J., Ward, M. M., Mueller, K. J., MacKinney, A. C. Effect of tele-emergency services on recruitment and retention of rural US healthcare providers. *Rural and Remote Health*.

Ullrich, F. A., Mueller, K. J., MacKinney, A. C. Are Primary Care Practices Ready to Become Patient-Centered Medical Homes? *The Journal of Rural Health*.

Vaughn, T. E., Levey, S., Koepke, E., Hatcher, C., Baloh, J. Governing Board, C-Suite, and Clinical Manager Perceptions of Quality and Safety Structures, Processes, and Priorities in U.S. Hospitals. *Journal of Healthcare Management*.

Ward, M. M., Ullrich, F., Matthews, K., Rushton, G., Tracy, R., Bajorin, D. F., Goldstein, M. A., Kosty, M. P., Bruinooge, S. S., Hanley, A., Lynch, C. F. Access to chemotherapy services by availability of local and visiting oncologist. *Journal of Oncology Practice*.

Ward, M. M., Ullrich, F., Matthews, K., Rushton, G., Tracy, R., Goldstein, M. A., Bajorin, D. F., Kosty, M. P., Bruinooge, S. S., Hanley, A., Jacobson, G. M., Lynch, C. F. Where do Iowa cancer patients get radiation therapy? *Journal of Oncology Practice*.

Wehby, G. L., Murray, J. C., McCarthy, A. M., Castilla, E. E. Racial Gaps in Child Health Insurance Coverage in Four South American Countries: The Role of Wealth, Human Capital and Other Household Characteristics. *Health Services Research*.

Wehby, G. L., Murray, J. C., Wilcox, A., Lie, R. T. Smoking and body weight: Evidence using genetic instruments. *Economics and Human Biology*.

Wolinsky, F., Ayyagari, P., Malmstrom, T., Miller, P., Andresen, E., Schootman, M., Miller, D. Lower Extremity Functional Trajectories in the African American Health Cohort. *Journal of Gerontology: Medical Sciences*.

## Wakefield Award



The Bonnie J. and Douglas S. Wakefield Award is presented to recognize HMP Doctoral students who best exemplify the mission of the HMP Ph.D. Program in terms of excellence or promise of excellence in health services and policy research.

The winner for 2013 is Kwame Nyarko. **Congratulations, Kwame!**

Kwame Nyarko is a PhD candidate expecting to graduate in the summer of 2014. Thus far, his research has been focused on the effectiveness of primary and secondary birth anomaly prevention strategies, disparities in early infant health capital, and the effects of national policies on maternal and infant health and childhood development. The first focus examines the effectiveness of various strategies for preventing neural tube defects and orofacial clefts. The second focus deals with inequalities in infant health outcomes. The third investigates various effects of the folic acid fortification mandate. Kwame's current research interests include maternal and child health, infant health, public health, breastfeeding, nutrition, and health disparities.









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