

Annual Report

Department of Health Management and Policy
College of Public Health | The University of Iowa

Center for Health Policy and Research

2009

Research and Educational Activities

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COLLEGE OF PUBLIC HEALTH
Department of Health Management and Policy

Dear Colleagues,

We are pleased to provide you with this annual report of the Center for Health Policy and Research (CHPR). It covers the research educational activities during 2009.

Affiliated with CHPR are 13 Center Associates, including faculty in the Department of Health Management and Policy and other Principal Investigators who use CHPR as their base for research activities. CHPR-based projects provided salary support to an additional 24 Center Affiliates and 15 Graduate Research Assistants. This report provides descriptions of the 15 funded research projects housed in the Center. Also listed are 10 other research projects, housed outside CHPR, that support Center Associates. We have listed the 34 publications and 34 presentations during 2009 involving our Center Associates. In addition, we show 19 forthcoming publications for Center Associates.

The Center supports the Department of Health Management and Policy doctoral program and offers weekly educational activities. This annual report lists the Seminar Series, Research Updates, and Methods Workshop presentations during 2009. We also list the 5 publications during 2009 that were co-authored by HMP doctoral students and several that are forthcoming.

As you will see from this report, the CHPR Associates, Affiliates, and Graduate Research Assistants are actively engaged in important work focused on health policy and research issues. We enjoy sharing news of our research and educational activities and hope you find this report interesting.

Sincerely yours,

Marcia M. Ward, Ph.D.
Director

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CENTER ASSOCIATES*

Rachel Anderson, Ph.D.
 Christopher Atchison, M.P.A.
 Susan Curry, Ph.D.
 Barry Greene, Ph.D.
 Jason Hockenberry, Ph.D.
 Brian Kaskie, Ph.D.
 Samuel Levey, Ph.D.

Lawrence Prybil, Ph.D.
 Tanya Uden-Holman, Ph.D.
 Thomas Vaughn, Ph.D.
 Marcia Ward, Ph.D.
 George Wehby, Ph.D.
 Fredric Wolinsky, Ph.D.

*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 **

Alison Amendola
 Elizabeth Chrischilles, Ph.D.
 Megan Dotson
 John Geweke, Ph.D.
 Tim Gutshall, M.D.
 Chris Hatcher
 Loreen Herwaldt, M.D.
 Michael Jones, Ph.D.
 Mark Koepke
 Eugene Kroch, Ph.D.
 Rene Martin, Ph.D.
 Jeff Murray, M.D.
 Claire Pavlik, Ph.D.
 Gary Rosenthal, M.D.
 Diane Schaeffer
 Linda Snetselaar, Ph.D.
 Christopher Tompkins, Ph.D.
 Mark Vander Weg, Ph.D.
 Kelli Vellinga, R.N.
 Barbara Wagoner
 Douglas Wakefield, Ph.D.
 Robert Wallace, M.D., M.Sc.
 Laurie Walkner
 Kara Wright

Department of Health Management and Policy
 Department of Epidemiology
 Department of Health Management and Policy
 Department of Economics
 Iowa Foundation for Medical Care
 Dotcomments, Inc.
 Department of Internal Medicine
 Department of Biostatistics
 Iowa Foundation for Medical Care
 Premier CareScience
 College of Nursing
 Department of Pediatrics
 Department of Geography
 Department of Internal Medicine
 Department of Health Management and Policy
 Department of Epidemiology
 Brandeis University
 Department of Internal Medicine
 Iowa Foundation for Medical Care
 Department of Health Management and Policy
 University of Missouri
 Department of Epidemiology
 Institute for Public Health Practice
 Department of Epidemiology

**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.

GRADUATE RESEARCH ASSISTANTS ***

Suzanne Bentler	Department of Health Management and Policy
Elizabeth Cook	Department of Health Management and Policy
Ammon Fillmore	Department of Health Management and Policy
Gina Kasowski	Department of Health Management and Policy
Kyle Kingsley	Department of Health Management and Policy
Li Liu	Department of Biostatistics
Justin McDonald	Department of Health Management and Policy
Troy Mills	Department of Health Management and Policy
John Nganga	Department of Health Management and Policy
Kwame Nyarko	Department of Health Management and Policy
Maksym Obrizan	Department of Economics
Kaitlin Prater	Department of Health Management and Policy
Lance Roberts	Department of Health Management and Policy
Smruti Vartak	Department of Health Management and Policy
Paula Weigel	Department of Health Management and Policy

***Graduate Research Assistants are students in masters and Ph.D. programs who receive a portion of salary support from research projects based in the Center for Health Policy and Research.

RESEARCH PROJECTS WITH CHPR ASSOCIATES AS PRINCIPAL INVESTIGATORS

Susan Curry, PhD (PI)

Continued Oversight of HYSQ Initiative

Robert Wood Johnson Foundation

Direct Funds: \$42,552 | Funding Period: 2008 – 2009

This national project conducts longitudinal evaluations of youth cessation evaluation programs across the country.

Tobacco Dependence: Treatment Outcomes

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

Direct Funds: \$20,483 | Funding Period: 2008 – 2009

Study involves longitudinal examination of health care utilization and costs for smokers. This includes timely and rigorous implementation of all study activities, and the development of data transfer protocols, data, and data analysis

Barry Greene, PhD (PI)

Hospital Leadership Quality Assessment: Building a Technical Assistance Program for Hospital Quality Improvement

Commonwealth Fund

Co-Investigators: Samuel Levey, Thomas Vaughn

Direct Funds: \$457,519 | Funding Period: 2008 – 2010

The project aims to establish and support Technical Assistance Protocols (TAP) derived from the Hospital Leadership Collaborative's "Hospital Leadership Quality Assessment Tool"

Lawrence Prybil, PhD (PI)

Promoting Wellness and Reducing Obesity Among Children

Principal Financial Group Foundation

Co-Investigator: Linda Snetselaar

Direct Funds: \$250,000 | Funding Period: 2008 – 2013

Funds are to provide resources to support the collaborative efforts of the College of Public Health and the communities of Muscatine and Fort Dodge in the evaluation of community-based initiatives directed at attacking obesity and promoting health of children in those communities. The goal is to create national models of evidence-based, community-wide programs that can be replicated in other communities.

Marcia Ward, PhD (PI)

Collaborative EHR Implementation to Bridge the Continuum of Care in Rural Iowa

AHRQ through Hancock County Memorial Hospital

Co-Investigator: Douglas Wakefield

Direct Funds: \$482,178 | Funding Period: 2005 - 2009

This study provides a unique opportunity to evaluate how implementation of an integrated electronic health record and computerized provider order entry (EHR/CPOE) system using common tools, including decision supports, affects patient care in seven small rural hospitals throughout Mercy Health Network-North Iowa, and on a regional basis with regard to changes in access to medical specialty, pharmacy, and laboratory consultation services.

HMP Faculty Receive CPH Research Awards

HMP faculty members Jason Hockenberry, Ph.D. and George Wehby, Ph.D. have been awarded 2009-10 College of Public Health-Carver College of Medicine New Investigator Research Awards. The awards assist newly appointed faculty with primary or joint appointments in the colleges to advance their research. The recipients, both assistant professors of health management and policy in the College of Public Health, will each receive up to \$10,000 of funding for independent research projects.



Jason Hockenberry, PhD
Assistant Professor

"The Effects of Temporal Distance on Surgeon Human Capital and the Impact on Surgical Quality"

There is a longstanding hypothesis that the volume of procedures a surgical provider has performed impacts the quality of the procedure, and that this difference in quality is observable through patient health outcomes, the so-called volume-outcome relationship. Recent work examining the performance of surgeons and outcomes of patients in Taiwan has shown that rather than volume itself, the relatively more important factor is how much time has elapsed since the surgeon last performed the procedure. This is referred to as the temporal distance between procedures. This project will investigate whether there is a temporal distance effect observable among surgeons in the United States and the relative magnitude of the effect of temporal distance on quality and efficiency.



George Wehby, PhD
Assistant Professor

"Genetic Instrumental Variable Studies of the Impacts of Maternal Risk Behaviors on Infant Health"

Birth outcomes, including birth weight, gestational age, and fetal growth, are important predictors of child and adult health, education, and wealth. Improvement in health care over the past several decades has substantially improved the likelihood of survival for preterm and low birth weight (LBW) infants. At the same time, preterm birth and LBW rates have been increasing in the United States and other countries. There has been slow progress in unraveling the determinants of adverse birth outcomes and developing preventive interventions. A complex etiology of behavioral, social, and genetic factors with interactive effects is thought to be involved. This study will examine the "causal" effects of major maternal risk behaviors on birth outcomes using a novel application of genetic instrumental analysis.

Marcia Ward, PhD (PI) (cont.)***TeamSTEPPS™ Adoption in Action***

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

Co-Investigators: Tim Gutshall, Thomas Vaughn, Kelli Vellinga

Direct Funds: \$210,728 | Funding Period: 2006 - 2009

This task order is funded through the AHRQ ACTION network. It's purpose is to examine the implementation of TeamSTEPPS, a team building approach developed by the Department of Defense, in two community hospitals in Iowa.

Reducing Hospital Associated Infection (HAI)

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

Co-Investigator: Loreen Herwaldt

Direct Funds: \$268,737 | Funding Period: 2007 - 2009

This task order is funded through the AHRQ ACTION network. It involves disseminating a set of tools to reduce hospital associated infections (HAI) to hospitals throughout Iowa. The project team is working with the Iowa Healthcare Collaborative's HAI Initiative to disseminate the tools to infection control professionals throughout the state. Surveys and interviews are being conducted in 16 Iowa hospitals to form case studies of HAI prevention and control efforts.

Fredric Wolinsky, PhD (PI)***Health and Health Services Use in the HRS/AHEAD***

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

Co-Investigators: Hyonggin An, Elizabeth Chrischilles, John Geweke, Robert Ohsfeldt, Claire Pavlik, Gary Rosenthal, Robert Wallace

Direct Funds: \$1,213,254 | Funding Period: 2004 - 2010

This is an in-depth examination of the health and health services use of the 7,447 HRS/AHEAD respondents aged 70 years old or older at baseline, and involves the baseline (1993) and 1995, 1998, 2000, 2002, and 2004 follow-up interviews merged with Medicare claims (since 1988), the National Death Index, and household geocodes.

Physical Frailty in Urban African Americans

Indiana University

Direct Funds: \$191,905 | Funding Period: 2004 - 2012

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.



Fredric D. Wolinsky Awarded NIH Challenge Grant

For more than a decade, Fredric D. Wolinsky, Ph.D., the John W. Colloton Chair in Health Management and Policy, has been a co-investigator on the multi-site randomized controlled trial known as ACTIVE (Advanced Cognitive Training for Independent and Vital Elderly). The largest experimental study ever funded by the National Institutes of Health (NIH) to study cognitive decline in high functioning older adults, ACTIVE's purpose was to try and prevent the onset of cognitive decline and its effect on activities of daily living by using three brief (10 contact hour) structured intervention programs that trained participants in either memory, reasoning, or speed of processing, compared to a control group receiving no training. Two papers published in *JAMA* demonstrated that each of cognitive interventions substantially improved cognitive performance in the trained areas.

Dr. Wolinsky has had primary responsibility for looking at the effects of ACTIVE's cognitive training interventions on various health outcomes. His group has consistently shown that only those participants assigned to the speed of processing intervention were protected relative to the no-contact control group. This included a \$244 per person-year (3%) reduction ($p = .012$) in predicted medical expenses at one-year post-baseline, a 38% reduction in the risk of global decline in health-related quality of life (HRQoL) at two-years and a 25.6% reduction in the risk of global decline in HRQoL ($p < .038$) at five-years post-baseline, a 30% reduction in the risk of worsening depressive symptoms at both one-year ($p = .012$) and five-years ($p = .023$) post-baseline, a 38% reduction in the risk of the onset of suspected clinical depression at one-year ($p < .01$) post baseline, improvements in self-rated health at two-, three-, and five-years (p values $< .05$) which translates to a 0.8% absolute reduction in the five-year mortality rate and a 10% relative mortality reduction, and a 64% greater likelihood ($p < .05$) of improvements in internal locus of control at five-years post-baseline.

Dr. Wolinsky is now directing a second-generation randomized controlled trial here at the University of Iowa, funded by a prestigious NIH Challenge Grant. About 600 patients who receive their care from the UIHC's Primary Care Center are being randomized to three groups. The first group will receive 10 hours of the second-generation speed of processing training computer program onsite in Dr. Wolinsky's Westlawn lab. The second group will spend 10 hours doing computer-generated crossword puzzles in the Westlawn lab. And the third group will be shown how to use the speed of processing software and given a copy to take home and use as often as they like. All participants receive an extensive baseline assessment and an extensive follow-up assessment one year later. Enrollment is ongoing and should be complete this fall, with all follow-up interviews completed by the fall of 2011.

Fredric Wolinsky, PhD (PI) (cont.)*Continuity of Care and Health Outcomes: Does It Really Matter?*

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

Co-Investigators: Michael Jones, Gary Rosenthal, Robert Wallace

Direct Funds: \$225,500 | Funding Period: 2007 - 2009

This is a secondary analysis of the Survey of Assets and Health Dynamics Among the Oldest Old (AHEAD) to determine whether continuity of care with a physician has beneficial effects on health status trajectories, the risk of being hospitalized for ambulatory care sensitive conditions, and mortality.

ED Use Patterns, Antecedents, and Consequences in Older Adults

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

Co-Investigators: Michael Jones, Brian Kaskie, Gary Rosenthal, Robert Wallace

Direct Funds: \$225,500 | Funding Period: 2008 – 2010

This project proposes to develop one or more typologies that reflect an older adult's pattern of ED use over time (as opposed to focusing on single ED visits) among a nationally representative sample of Medicare beneficiaries, and to examine the antecedents and consequences of these ED use patterns.

Health Service Use at the End of Life: A Biracial Population Study of AD

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

Direct Funds: \$66,282 | Funding Period: 2008 – 2011

This project examines the relationship between Alzheimer's disease (AD) and cognitive decline with the use of health care services at the end of life, focusing on comparisons among people with AD, mild cognitive impairment, and normal cognition.

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

Direct Funds: \$52,670 | Funding Period: 2009 – 2010

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.

Chiropractic Use Patterns, and Their Antecedents and Consequences in Older Adults

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

Co-Investigators: Jason Hockenberry, Michael Jones, Robert Wallace

Direct Funds: \$275,000 | Funding Period: 2009 – 2011

As the 2005 IOM report noted, the use of complementary and alternative medicine (CAM) in the United States, including its most readily identifiable form, chiropractic, is widespread but not well understood.

Indeed, prior to this application, there have been no studies of chiropractic use patterns over time, or their antecedents and consequences among older Americans. In this R21 application, therefore, we propose to do exactly what the 2005 IOM report recommended, to conduct an extensive, secondary analysis of the nationally representative sample of older adults in the AHEAD, which is a large, prospective cohort study.

Fredric Wolinsky, PhD (PI) (cont.)

ARRA: RCT of Two Speed of Processing Modes to Prevent Cognitive Decline in Older Adults

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

Co-Investigators: Michael Jones, Rene Martin, Mark Vander Weg

Direct Funds: \$664,503 | Funding Period: 2009 – 2011

This project builds on previous research showing that age-related cognitive decline is amenable to intervention. Through randomized controlled trials we hope to show that a value-added version of ACTIVE that can be used on home computers is at least as efficacious as the original implementation at reducing or preventing age-related cognitive decline.

HMP Faculty Examine Hospital and Health System Governance

Governance of public companies and nonprofit organizations is squarely in the national spotlight. In light of recent governance failures and increasing scrutiny, a series of studies examining board structure, practice, and cultures led by Lawrence Prybil, PhD, and Samuel Levey, PhD, in concert with several associates is proving to be timely and pertinent.

The initial study examined governance in a set of high-performing nonprofit hospitals versus a matched comparison group. Its purpose was to determine whether board structures, practices, and cultures in high-performing hospitals differ from hospitals similar to them in several characteristics (e.g., size, ownership, location) but whose performance is mid-range and, if so, in what ways. The study found that high-performing boards had a higher proportion of physician members, more fully-defined and formalized board processes, and a more engaged and interactive board culture. Funded by grants from the W. K. Kellogg Foundation and four other organization, the Health Research and Educational Trust published the results in: *Governance in High-Performing Organizations: A Comparative Study of Governance in Not-For-Profit Hospitals* (2005).

The second study's purpose was to examine the structures, practices, and cultures of 201 community health systems in 40 states and compare them to contemporary benchmarks of good governance. Funded by grants from the W. K. Kellogg Foundation and Grant Thornton LLP, data was secured from the AHA, publicly-available sources, a mail survey of the systems' CEOs, and on-site visits to ten of the highest-performing systems, including in-depth interviews with board leaders and CEOs. The findings were published by Grant Thornton LLP in two reports: *Governance in Nonprofit Community Health Systems: An Initial Report on CEO Perspectives* (2008), and *Governance in High-Performing Community Health Systems: A Report on Trustee and CEO Views* (2009).

This study found that: (1) board structures, practices, and cultures in community health systems that are part of larger parent organizations are more consistent with benchmarks of good governance as compared to independent systems; and (2) governance in high-performing systems as measured by three years of operating performance are more consistent with benchmarks of good governance as compared to mid-range and low-performing systems. However, the study group concluded that "...there are substantial gaps between current reality and current benchmarks" for the entire set of these systems.

Looking ahead, the third study in this governance trilogy has received grant funding from a coalition of five organizations and will be launched in June, 2010. This two-year project will examine board structures, practices, and policies in a set of the nation's largest nonprofit systems in relation to benchmarks of good governance for large-scale, geographically-dispersed organizations. Through on-site visits, interviews with board leaders and CEOs, and close review of organizational documents, the study group also will identify and describe cutting-edge "best practices" that actually are in use and have proven to be effective.

Featured Publications

PROJECTS WITH CHPR ASSOCIATES AS PRINCIPAL INVESTIGATORS, FUNDED ELSEWHERE

Christopher Atchison, MPA (PI)

Upper Midwest Center for Public Health Preparedness

Centers for Disease Control and Prevention

Co-Investigators: Barry Greene, Tanya Uden-Holman

Direct Funds: \$4,452,281 | Funding Period: 2004 – 2009

Protecting the health of our communities requires a well-trained public health workforce that is able to prepare for, promptly identify, and respond to public health threats. The Upper Midwest Center for Public Health Preparedness (UMCPHP) is funded by a grant from the Centers for Disease Control and Prevention. UMCPHP serves the Upper Midwest and was established to strengthen the capacity of the public health workforce to respond to bioterrorism and other public health emergencies.

Susan Curry, PhD (PI)

Health Care and Other Facilities Award – Congressional Earmark

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

Direct Funds: \$3,074,631 | Funding Period: 2008 – 2013

The HCOF funds will be used to provide essential equipment for the planned College of Public Health Academic Building. This equipment will be utilized by all COPH departments and faculty who lead departmental and center-based research, education and outreach programs.

Brian Kaskie, PhD (PI)

Older Adult Mental Health Services Project

Iowa Department of Human Services

Direct Funds: \$88,650 | Funding Period: 2008 – 2009

This project is a continuation of the efforts of two prior projects- the Iowa Coalition on Mental Health and Aging and the Collaborative Models of Mental Health Care for Older Iowans. The goal of the contract is to build on the existing efforts of the coalition and provide technical assistance to sites wanting to try the collaborative model. Efforts will include assistance with the development of CMHC pilot programs.

Mental Health and Aging Project

Iowa Department of Human Services

Direct Funds: \$108,500 | Funding Period: 2009 – 2010

Developing collaborative models of mental health care for older Iowans, and analyzing service use patterns.

Tanya Uden-Holman, PhD (PI)

Upper Midwest Public Health Training Center

Health Resources & Services Administration

Co-Investigators: Christopher Atchison, Barry Greene

Direct Funds: \$3,166,261 | Funding Period: 2001 – 2011

This project established the Upper Midwest Public Health Training Center. The goals of this Training Center include: 1) Establish an Upper Midwest Public Health Training Center with the states of Iowa, Nebraska, North Dakota and South Dakota, 2) Assess the public health workforce and competency needs, assets and educational programming to meet the minority and underserved needs of the four-state region and delineate available resources, 3) Develop a workplan for addressing the identified gaps within the UMPHTC and develop/implement new curricula and training programs, 4) Evaluate the overall impact of the State's programs and the Center on an ongoing basis to assure continuous quality improvement.

Activate Iowa: Connecting Resources to Enhance the Health and Wellness of Iowans

Wellmark Foundation

Direct Funds: \$10,000 | Funding Period: 2007 - 2010

The project goals include: 1) Improve the health of Iowa's communities through citizen-focused educational programs; 2) Identify grass-roots resources to enhance and benefit community-based initiatives; and 3) Promote a collaborative, linked and sustained approach based on a three-year commitment.

Strengthening WIC Nutrition Assessment Skills: Establishing a Competency-to-Training Framework in a Learning Management System

Iowa Department of Public Health

Direct Funds: \$78,985 | Funding Period: 2007 - 2010

This project incorporates Women, Infants, and Children (WIC) nutrition assessment competencies and related training activities into an existing online learning management system. Nutrition assessment competency areas will also undergo extensive validity testing. This online system compliments the traditional training methods currently used by the Iowa WIC Program. The training system with a blended training approach will maximize limited training resources at the state and local levels.

George Wehby, PhD (PI)

Effects of Oral Clefts on Birth Outcomes and Cleft Risks Due to Maternal Smoking

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

Direct Funds: \$100,000 | Funding Period: 2007 - 2010

This study aims at evaluating the impact of cleft lip and palate on birth outcomes and estimating and comparing infant health production functions for infants with and without oral clefts to identify approaches to improve prenatal health practices and health outcomes of affected pregnancies. The study uses multi-country data collected in South America by ECLAMC to study these aims. Another aim is to apply instrumental variable models using smoking and addiction genetic variants as instruments to estimate the "causal" effects of maternal smoking on risks of cleft lip and palate to improve prenatal counseling practices. Data for this aim is obtained from the Norway Facial Clefts Study.

George Wehby, PhD (PI) (cont.)*Health Outcomes and Improved Phenotypic Characterization of Cleft Lip and Palate*

Centers for Disease Control and Prevention

Direct Funds: \$382,241 | Funding Period: 2007 - 2010

The study will evaluate the effects of cleft lip and palate on long term health, health care utilization and socioeconomic outcomes of affected individuals and their relatives using a unique population-level registry system in Denmark that includes all individuals born since 1936. The study also aims at identifying the utility of screening for sub-phenotypic characteristics in predicting adverse psychological and economic outcomes among affected individuals and their relatives which has important implications for early screening and diagnosis of at risk individuals. Another aim evaluates the net effects of prenatal diagnosis of oral clefts on child and parent health and quality of life outcomes in order to improve counseling practices.

OTHER RESEARCH PROJECTS SUPPORTING CHPR ASSOCIATES*Center for Research in the Implementation of Innovative Strategies in Practice (CRIISP)*

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

Gary Rosenthal (PI) | Center Investigators: Jason Hockenberry, Thomas Vaughn, Fredric Wolinsky

Direct Funds: \$3,600,000 | Funding Period: 2004 - 2009

Gerontological Nursing Interventions Research Center

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

Toni Tripp-Reimer (PI) | Center Investigator: Fredric Wolinsky

Direct funds: \$1,592,741 | Funding Period: 2004 – 2009

Oral Cleft Prevention Program

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

Jeff Murray (PI) | Center Investigator: George Wehby

Direct Funds: \$6,598,341 | Funding Period: 2006 – 2011

University of Iowa Older Adults CERT

Agency for Healthcare Research & Quality

Elizabeth Chrischilles (PI) | Center Investigator: Fredric Wolinsky

Direct Funds: \$2,787,230 | Funding Period: 2006 – 2011

Promoting Health and Reducing Obesity in Children: Building a National Model for Community-Based Programs

W.K. Kellogg Foundation

Linda Snetselaar (PI) | Center Investigator: Lawrence Prybil

Direct Funds: \$35,000 | Funding Period: 2007 – 2009

Impact of System-Centered Factors, and Processes of Nursing Care on Fall Prevalence and Injuries from Falls

Robert Wood Johnson Foundation

Marita Titler (PI) | Center Investigator: Marcia Ward

Direct Funds: \$267,858 | Funding Period: 2007 – 2009

Promoting Health and Reducing Obesity in Children: Building a National Model for Community-Based Programs

Roy J. Carver Charitable Trust

Linda Snetselaar (PI) | Center Investigator: Lawrence Prybil

Direct Funds: \$150,000 | Funding Period: 2007 – 2010

Iowa Research Network (IRENE): A Rural Primary Care Practice Based Research Network

Agency for Healthcare Research & Quality

Barcey Levy (PI) | Center Investigator: Marcia Ward

Direct Funds: \$325,595 | Funding Period: 2007 – 2010

GEIS – University of Iowa Certificate in Emerging Infectious Diseases

Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.

Gregory Gray (PI) | Center Investigator: Tanya Uden-Holman

Direct Funds: \$880,927 | Funding Period: 2008 – 2011

First Preventive Dental Visit: Disparities in Needs, Costs, and Behavioral Insights

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

Peter Damiano (PI) | Center Investigator: George Wehby

Direct Funds: \$626,913 | Funding Period: 2009 – 2011

PUBLICATIONS BY CHPR ASSOCIATES

Bentler SE, Liu L, Obrizan M, Cook EA, Wright KB, Geweke JF, Chrischilles EA, Pavlik CE, Wallace RB, Ohsfeldt RL, Jones MP, Rosenthal GE, **Wolinsky FD**. The aftermath of hip fracture: discharge placement, functional status change, and mortality. *American Journal of Epidemiology*, 170:1290-1299, 2009.

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FORTHCOMING PUBLICATIONS BY CHPR ASSOCIATES

Allareddy V, **Ward MM**, Allareddy V, Konety B. Effect of meeting Leapfrog volume thresholds on complication rates following complex surgical procedures. *Annals of Surgery*, in press.

Bahensky J, **Ward MM**, Nyarko K, Li P. HIT implementation in Critical Access Hospitals: Extent of implementation and business strategies supporting IT use. *Journal of Medical Systems*, in press.

Carter BL, Clarke WR, Ardery G, Weber CA, James PA, Vander Weg M, Chrischilles EA, **Vaughn TE**, and Egan BM. A cluster-randomized effectiveness trial of a physician/pharmacist collaborative model to improve blood pressure control. *Circulation*, in press.

Chou AF, **Vaughn TE**, McCoy KD, Doebbeling DN. Implementation of evidence-based practices: Applying a goal commitment framework. *Health Care Management Review*, in press.

Hockenberry, JM, Timmon, EJ, Vander Weg, MJ. Smoking, parent smoking, depressed mood and suicidal ideation in teens. *Nicotine and Tobacco Research*, in press.

Jones J, Canady JW, Brookes J, **Wehby GL**, Schutte BC, Murray JC, Dunnwald M. Wound complications following cleft repair in children with Van der Woude Syndrome. *Journal of Craniofacial Surgery*, in press.

Kaskie B, Buckwalter K. The collaborative model of mental health care for older Iowans. *Research in Gerontological Nursing*, in press.

Miller DK, Malmstrom TK, Miller JP, Andresen EM, Schootman M, **Wolinsky FD**. Predictors of change in grip strength over three years in the African American Health project. *Journal of Aging and Health*, in press.

Mills T, Vavroch J, Bahensky J, **Ward MM**. EMR systems in Critical Access Hospitals: CEO and CIO perspectives on implementation. *Perspectives in Health Information Management*, in press.

Prybil L, Levey S. Attaining strong operating performance: The views of trustees in high-performing systems. *Trustee*, in press.

Prybil L, Peterson R, Brezinski P, Roach W, Fillmore A. Board oversight of patient care quality in community health systems. *American Journal of Medical Quality*, in press.

Schootman M, Andresen EM, **Wolinsky FD**, Malmstrom TK, Haren MT, Morley JE, Miller DK. Adverse housing and neighborhood conditions, and inflammatory markers among middle-aged African Americans. *Journal of Urban Health*, in press.

Vartak S, **Ward MM, Vaughn TE**. Patient safety indicators in rural and urban hospitals. *Journal of Rural Health*, in press.

Wakefield DS, **Ward MM**, Loes J, O'Brien J. Creating a shared formulary in seven Critical Access Hospitals. *Journal of Rural Health*, in press.

Wakefield DS, **Ward MM**, Loes J, O'Brien J, Sperry. Achieving 24/7 pharmacist medication order review in critical access hospitals through a network collaboration. *American Journal of Health-System Pharmacy*, in press.

Wolinsky FD, Bentler SE, Liu L, Geweke JF, Cook EA, Obrizan M, Chrischilles EA, Wright KB, Jones MP, Rosenthal GE, Ohsfeldt RL, Wallace RB. Continuity of care with a primary care physician and mortality in older adults. *Journal of Gerontology: Medical Sciences*, in press.

Wolinsky FD, Bentler SE, Liu L, Jones MP, **Kaskie B**, **Hockenberry JM**, Chrischilles EA, Wright KB, Geweke JF, Obrizan M, Ohsfeldt RL, Rosenthal GE, Wallace RB. Prior Hospitalization and the Risk of Heart Attack in Older Adults: A 12-year Prospective Study of Medicare Beneficiaries. *Journal of Gerontology: Medical Sciences*, in press.

Wolinsky FD, Mahncke HW, Vander Weg MW, Martin R, Unverzagt FW, Ball K, Jones R, Tennstedt SL. Speed of processing training protects self-rated health in older adults: enduring effects observed in the multi-site randomized controlled ACTIVE trial. *International Psychogeriatrics*, in press.

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HMP PhD STUDENT PUBLICATIONS

Bentler SE, Liu L, Obrizan M, Cook EA, Wright KB, Geweke JF, Chrischilles EA, Pavlik CE, Wallace RB, Ohsfeldt RL, Jones MP, Rosenthal GE, Wolinsky FD. The aftermath of hip fracture: Discharge placement, functional status change, and mortality. *American Journal of Epidemiology*. 170(10):1290-9, 2009.

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Wolinsky FD, **Bentler SE**, Cook EA, Chrischilles EA, Liu L, Wright KB, Geweke JF, Obrizan M, Pavlik CE, Ohsfeldt RL, Jones MP, Wallace RB, Rosenthal GE. A 12-year prospective study of stroke risk in older Medicare beneficiaries. *BMC Geriatrics*. 9:9-17, 2009.

Wolinsky FD, **Bentler SE**, Liu L, Obrizan M, Cook EA, Wright KB, Geweke JF, Chrischilles EA, Pavlik CE, Ohsfeldt RL, Jones MP, Richardson KK, Rosenthal GE, Wallace RB. Recent hospitalization and the risk of hip fracture among older Americans. *Journal of Gerontology: Medical Sciences*. 64(2):249-55, 2009.

FORTHCOMING HMP PhD STUDENT PUBLICATIONS

Bahensky JA, Ward MM, **Nyarko KA**, Li P. HIT implementation in Critical Access Hospitals: Extent of implementation and business strategies supporting IT use. *J Med Syst*, in press.

Mills TR, Vavroch J, Bahensky J, Ward MM. EMR systems in critical access hospitals: CEO and CIO perspective on implementation. *Perspectives in Health Information Management*, in press

Vartak S, Ward MM, Vaughn TE. Patient safety outcomes in small urban and small rural hospitals. *Journal of Rural Health*, in press.

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

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PRESENTATIONS BY CHPR ASSOCIATES

Anderson RL. Evolution of the Adult Needs and Strengths Assessment (ANSA) Tool: Items, Reliability, and Validity, The Department of Mental Health Services, Department of Psychiatry, Northwestern University, Chicago, IL, 2009.

Anderson RL. The Need for Mental Health Needs Assessment in Youth with Mental Retardation, Collaboration for Kids: The Disability and Mental Health Sectors, Chicago, IL, 2009.

Atchison C. Health Reform in Iowa: The Medical Home and Related Issues, College of Nursing Faculty Retreat, University of Iowa, Iowa City, IA, January 2009.

Atchison C. Applying Findings of Clinical Research Conducted at a Large Academic Health Center to the Community through Federally Chartered Community Health Centers, Community Engagement Key Function Conference, National Institutes of Health, May 2009.

Atchison C. Building the Medical Home: Under Construction in the States, National Health Policy Forum, George Washington University, Washington, DC, June 2009.

Atchison C. Perspectives on Health Reform from the College of Public Health, Summer 2009 Board Retreat of the Iowa Pharmacy Association, Des Moines, IA, July 2009.

Atchison C. University Hygienic Laboratory Response to Novel H1N1, State of Iowa Government Oversight Committee, September 2009.

Atchison C. The Role of Public Health in an Evolving Health Care System, Moderator, National Academy for State Health Policy, Annual State Health Policy Conference, Long Beach, CA, October 2009.

Curry S. Bridging Public Health and Health Care: Addressing Behavioral Risk Factors in Front-Line Healthcare Delivery, Wheaton Franciscan Healthcare, 2009.

Curry S. Women Faculty Career Development Conference, University of Iowa, Iowa City, IA, 2009.

Curry S. A National Forum on Health Reform: Prevention and Wellness: Building Blocks to Reform, AARP, 2009.

Hockenberry JM. Do Bad Report Cards Have Consequences? How Publicly Reported Provider Quality Information Impacts the CABG Market in Pennsylvania. Presented at the Academy Health Annual Research Meeting, June 2009.

Hockenberry JM. Understanding Health Care Reform: Cost, Access and Quality” Public forum at Cornell College, Mt Vernon IA, November 2009.

Kaskie BP. Mental Health and Aging: From the Clinic to the Capitol, University of Alabama, Center on Mental Health and Aging, Tuscaloosa, AL, February 2009.

Kaskie BP. The Collaborative Model of Mental Health Care for Older Iowans, Joint Annual Meeting of National Association of PASRR Professionals & NASMHPD Older Persons Division, Des Moines, IA, October 2009.

Loes J and Ward MM. Staff Perception Survey Before and After CPOE Implementation. AHRQ Annual Meeting, September 2009.

O'Brien J and Ward MM. Implementing an HER to Connect a Rural Health Network. AHRQ Annual Meeting, September 2009.

Prybil LD. Governance in High-Performing Community Health Systems, AHA Center for Healthcare Governance Conference on Rethinking Governance: The Shifting Role of Management and Governance, Phoenix, AZ, 2009.

Prybil LD. Board Oversight of Community Benefit, University of Pittsburgh Health Policy Institute Conference on Governance Challenges in the New Political and Economic Environment, Pittsburgh, PA, 2009.

Prybil LD. Governance Oversight of Community Benefit in Nonprofit Community Health Systems, University of Kentucky School of Public Policy and Administration Workshop Series, Lexington, KY, 2009.

Prybil LD. Governance in High-Performing Community Health Systems, National Audio-Webcast Presentation Sponsored by Grant Thornton LLP, Charlotte, NC, 2009.

Prybil LD. Governance in High-Performing Community Health Systems: Overview of Research Methods, Findings, and Recommendations, University of Kentucky Health Services Research Methods Conference, Lexington, KY, 2009.

Prybil LD. Key Characteristics of Effective Boards, Kettering Health Network Spring Governance Conference, Dayton, OH, 2009.

Prybil LD. National Perspectives Regarding Involvement of Nurses on Hospital and Health System Boards, Robert Wood Johnson Foundation Advisory Committee on Nurse Leaders in the Boardroom, Washington, DC, 2009.

Prybil LD. Governance Oversight of Community Benefit Policy and Programs, Saint Louis University Invitational Conference on Community Benefit: Moving Forward with Evidence-Based Practice and Policy, Chicago, IL, 2009.

Prybil LD. Improving Governance in Nonprofit Health Care Organizations, Board of Directors, Alliance for Advancing Nonprofit Health Care, Chicago, Illinois, 2009.

Prybil LD. Characteristics of Effective Boards in Nonprofit Hospitals and Health Systems, UI Healthcare Governance Committee, Iowa City, IA, 2009.

Prybil LD. The Basic Role of Nonprofit Boards, Grundy County Memorial Hospital Board Retreat, Grundy Center, IA, 2009.

Prybil LD. Governance Oversight of Community Benefit and Programs, National Audio-Webinar, Association of Community Health Improvement, Facilitated by ACHI staff in Chicago, IL, 2009.

Uden-Holman T. Public Health Quality Improvement: Getting Started, Public Health Conference, Ames, IA, April 2009.

Wakefield DS and Ward MM. Implementing Shared Formulary and E-based Medication Order Review as Essential Steps in Developing “Closed Loop” Medication Process in Critical Access Hospitals. AHRQ Annual Meeting, September 2009.

Ward MM. HIT Implementation in Critical Access Hospitals: Extent of Implementation and Business Strategies Supporting IT Use. AcademyHealth Annual Meeting, June 2009.

Wehby GL. Early Child Development in South America: The Role of Race, Socioeconomic Status and Parental Investments, Department of Economics, College of Business and Economics, Lehigh University, Bethlehem, PA, November 2009.

Wehby GL. The Impact of Systematic Pediatric Care on Neonatal Mortality and Morbidity Risks of Oral Clefts, 4th International Conference on Birth Defects & Disabilities in the Developing World, New Delhi, India, 2009.

INVITED SEMINAR PRESENTATIONS

Date	Invited Speaker	Title of Presentation
January 30, 2009	Jill Cawiezell, PhD, RN, FAAN Professor and Chair of the Systems and Practice Area of Study College of Nursing University of Iowa	The Role of the Leader in Creating a Safe Practice Environment: A Reflection Across Studies
February 6, 2009	Jane Pendergast, MS, PhD Professor Department of Biostatistics College of Public Health University of Iowa	The Wellmark Data Consortium: An Opportunity for UI Researchers
February 27, 2009	Thomas D'Aunno, PhD Professor of Health Policy and Management Mailman School of Public Health Columbia University	Evidence-Based Practices in the Nation's Substance Abuse Treatment System
March 13, 2009	Cormac O'Sullivan, PhD, CRNA Associate Director Certified Registered Nurse Anesthetist Program University of Iowa Hospitals and Clinics	Drug Eluting Stents: A \$5 Billion Innovation
May 8, 2009	Kathryn Dorsey Associate Director Office of the Vice President of Medical Affairs Carver College of Medicine University of Iowa	Framework for National Health Care Reform
September 18, 2009	Casey Quinn, PhD Lecturer School of Community Health Sciences Faculty of Medicine & Health Sciences The University of Nottingham	Measuring Income-Related Inequalities in Self-Assessed Health Using a Parametric Dependence Function
October 23, 2009	Yang Xie, PhD Assistant Professor Division of Health Services Research Department of Pharmacy Practice & Science College of Pharmacy University of Iowa	Volume-Outcome Relationships for Early-Stage Breast Cancer Surgeries – An Instrumental Variable Approach
December 11, 2009	Michael G. Kienzle, MD Professor Department of Internal Medicine Carver College of Medicine University of Iowa	The Biotechnology Pipeline: From Discovery to Therapy

RESEARCH UPDATES and METHODS WORKSHOPS

Date	Presenter	Title of Presentation
February 13, 2009	Christopher Atchison, MPA Clinical Professor Department of Health Management and Policy Director University of Iowa Hygienic Lab Associate Dean for Public Health Practice College of Public Health University of Iowa	Improving Care Connection: Will Medical Homes Meet the Challenge?
February 20, 2009	Fredric D. Wolinsky, PhD Professor and John W. Colloton Chair Department of Health Management and Policy University of Iowa	The ACTIVE Cognitive Training Trial and Locus of Control
March 6, 2009	Jason Hockenberry, PhD Assistant Professor Department of Health Management and Policy University of Iowa	Tobacco Use, Depression and Suicide Ideation in Teens
March 27, 2009	Rachel Anderson, PhD Associate Professor Department of Health Management and Policy University of Iowa	EDs in Crisis: Turning Away the Uninsured
April 3, 2009	Elizabeth Cook PhD Student Department of Health Management and Policy University of Iowa	The Changing Severity of Emergency Department Episodes Among Older Adults
April 10, 2009	Suzanne Bentler PhD Student Department of Health Management and Policy University of Iowa	A 12-Year Prospective Study of Stroke Risk in Older Medicare Beneficiaries
April 24, 2009	Lance Roberts PhD Candidate Department of Health Management and Policy University of Iowa	Health System Implementation of Health Information Technology and Its Impact on Adverse Drug Event (ADE) Error Identification Processes
May 1, 2009	Lawrence Prybil, PhD Clinical Professor Department of Health Management and Policy University of Iowa	Board Oversight of Community Benefit in Nonprofit Community Health Systems

September 4, 2009	Fredric D. Wolinsky, PhD Professor and John W. Colloton Chair Department of Health Management and Policy University of Iowa	The Iowa Health and Active Minds Study
September 25, 2009	Kwame Nyarko PhD Student Department of Health Management and Policy University of Iowa	The Impact of Residential Segregation on Racial Disparities in Infant Health