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

Center for Health Policy and Research

2010
Research and Educational Activities

200 Hawkins Dr, E201 GH
Iowa City, IA 52242
Phone: (319) 384-5120
Fax: (319) 384-5125
http://www.public-health.uiowa.edu/hmp/chpr
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 and educational activities during 2010.

Affiliated with CHPR are 17 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 37 Center Affiliates and 18 Graduate Research Assistants. This report provides descriptions of the 21 funded research projects housed in the Center. Also listed are 13 other research projects, housed outside CHPR, that support Center Associates. We have listed the 27 publications and 32 presentations during 2010 involving our Center Associates. In addition, we show 14 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 2010. We also list the 7 publications during 2010 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
TABLE OF CONTENTS

Center Associates and Affiliates................................................................. Page 1
Graduate Research Assistants........................................................................ Page 2
Research Projects with CHPR Associates as Principal Investigators...... Pages 3-10
Projects with CHPR Associates as Principal Investigators, Funded through other Centers................................................................. Pages 11-13
Other Research Projects Supporting CHPR Associates.................. Pages 14-15
Current and Forthcoming Publications by CHPR Associates........ Pages 16-19
Current and Forthcoming HMP PhD Student Publications............ Page 20
Presentations by CHPR Associates............................................................. Pages 21-23
Invited Seminar Presentations................................................................. Page 24
Research Updates and Methods Workshops........................................ Pages 24-25
**CENTER ASSOCIATES**

Rachel Anderson, Ph.D.  
Christopher Atchison, M.P.A.  
Mary Charlton, Ph.D.  
Susan Curry, Ph.D.  
Barry Greene, Ph.D.  
Lureen Herwaldt, M.D.  
Jason Hockenberry, Ph.D.  
Brian Kaskie, Ph.D.  
Samuel Levey, Ph.D.  
A. Clinton MacKinney, M.D., M.S.  
Keith Mueller, 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**

Jacinda Bunch, R.N.  
Li-Wu Chen  
Kaare Christensen, Ph.D.  
Megan Dotson  
John Geweke, Ph.D.  
Tim Gutshall, M.D.  
Chris Hatcher  
Michael Jones, Ph.D.  
Leah Kemper  
Mark Koepke  
Eugene Kroch, Ph.D.  
Rolv T. Lie, PhD  
Michelle Martin  
Rene Martin, Ph.D.  
Timothy McBride, Ph.D.  
Paul Mulhausen  
Ronald Munger, Ph.D.  
Jeff Murray, M.D.  
Sue Nardie  
Claire Pavlik, Ph.D.  
Paul Romitti, Ph.D.  
Gary Rosenthal, M.D.  
Diane Schaeffer  
Jill Scott-Cawiezell, Ph.D., R.N.  
Linda Snetselaar, Ph.D.  
College of Nursing  
University of Nebraska Medical Center  
University of Southern Denmark  
Department of Health Management and Policy  
Department of Economics  
Iowa Foundation for Medical Care  
DotComments, Inc.  
Department of Biostatistics  
Washington University-St Louis  
Iowa Foundation for Medical Care  
Premier CareScience  
University of Bergen  
College of Nursing  
College of Nursing  
Washington University-St Louis  
Department of Internal Medicine  
University of Utah  
Department of Pediatrics  
Department of Health Management and Policy  
College of Nursing  
Department of Epidemiology
Greg Stewart, Ph.D.  
Christopher Tompkins, Ph.D.  
Fred Ullrich  
Lina Moreno Uribe, Ph.D., D.D.S.  
Mark Vander Weg, Ph.D.  
Nicole VanOsdel  
Kelli Vellinga, R.N.  
Barbara Wagoner  
Laurie Walkner  
Robert Wallace, M.D., M.Sc.  
Melissa Ward  
Kara Wright

College of Business  
Brandeis University  
Department of Health Management and Policy  
College of Dentistry  
Department of Internal Medicine  
University of Nebraska Medical Center  
Iowa Foundation for Medical Care  
Department of Health Management and Policy  
Institute for Public Health Practice  
Department of Health Management and Policy  
Department of Internal Medicine  
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  
Bryan Blum  
Stephen Courtright  
Ammon Fillmore  
Tyler Goss  
Kyle Kingsley  
Tana Luger  
Kathryn Mazurek  
Justin McDonald  
Kwame Nyarko  
Maksym Obrizan  
Kaitlin Prater  
Mehwish Qasim  
Lance Roberts  
Smruti Vartak  
Paula Weigel  
Mark Willis  
Heidi Zander

Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
Department of Health Management and Policy  
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

**Loreen Herwaldt, MD (PI)**
*Optimizing Pre-Operative Antibiotic Prophylaxis for Cardiac and Orthopedic Procedures*
US Department of Health & Human Services, Agency for Healthcare Research & Quality
Co-Investigators: Barbara Braun, Joe Cavanaugh, Eli Perencevich, Marcia Ward
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.

**Jason Hockenberry, PhD (PI)**
*Surgeon Human Capital Depreciation Impacts on Resource Use and Patient Outcomes*
US Department of Health & Human Services, Agency for Healthcare Research & Quality
Co-Investigator: Peter Cram
Direct Funds: $43,153 | Funding Period: 2010 – 2011
It is hypothesized that longer distance might also be associated with greater per patient resource use. The primary aim of this project are to examine the impact of temporal distance and provider volume on quality, as measured by patient outcomes, and efficiency in the context of the US medical care system.

**Keith Mueller, PhD (PI)**
*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
This is to establish a subaward to the University of Iowa from the University of North Carolina for 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.

**Fulfilling the Promise of Expanded Coverage for Rural People and Places**
Robert Wood Johnson Foundation
Direct Funds: $103,942 | Funding Period: 2010 – 2011
The goal of this project is to address policy makers’ need for objective and timely information on the rural impact of insurance coverage reform and health reform. The project will use empirical simulations of specific coverage strategies to help policy makers understand the impact of policies on the number of uninsured persons in rural areas, the costs of these policies, and the distributional impact of these policies. In addition, a panel of rural health experts will produce a research and consensus-based analysis of the broader impact of health reform and insurance coverage proposals on the rural health system and people.
RUPRI Center for Rural Health Policy Analysis Joins HMP

The Rural Policy Research Institute (RUPRI) was founded in 1990 to address a concern of members of the Senate Agricultural Committee that no objective non-governmental source of external data, information, and analysis, regarding the rural and community impacts of public policy decisions was available. RUPRI’s Coordinating Center (central administration) is housed within the Harry S Truman School of Public Affairs at the University of Missouri-Columbia. RUPRI’s reach is national and international and it is one of the world’s preeminent sources of expertise and perspective on policies impacting rural places and people. RUPRI’s Center for Rural Health Policy Analysis, located at the University of Iowa (with additional staff at the University of Nebraska Medical Center and at St. Louis University) works to address the needs of the rural population, and in particular, the policies that affect the provision of healthcare to rural populations. In focusing on the rural population, the Center addresses the needs of all rural residents, regardless of race, ethnicity, gender, or age.

RUPRI’s Center for Rural Health Policy Analysis is directed by Keith Mueller, PhD, HMP’s new department head. It conducts original research in the topical areas of access to health care services, Medicare policies, development of rural delivery systems (including effects of national policy), and public health. The mission of the Center is to provide timely analysis to federal and state health policy makers, based on the best available research. The research of the Center has included studies of Medicare managed care (currently Medicare Advantage) plan enrollment, the Medicare prescription drug program, characteristics of the uninsured population in rural areas, classification of rural area abilities to generate financial support for health care providers, a comprehensive assessment of health care services in rural Wyoming, and patterns of admission to hospitals for conditions treatable in an outpatient environment. Specific objectives for the Center’s work include: conducting original research and independent policy analysis that provides policy makers and others with a more complete understanding of the implications of health policy initiatives, and disseminating policy analysis that assures policy makers will consider the needs of rural health care delivery systems in the design and implementation of health policy.
Rural Health Research Center - Cooperative Agreement Program
US Department of Health & Human Services, Health Resources & Services Administration
Co-Investigator: Marcia Ward
Direct Funds: $1,147,540 | Funding Period: 2010 – 2012
The purpose of this award is to establish the Rural Health Research Center-Cooperative Agreement Program at the University of Iowa--RUPRI Center

Rural Policy Analysis Cooperative Agreement
University of Missouri-Columbia/US Department of Health & Human Services, Health Resources & Services Administration
Direct Funds: $77,117 | Funding Period: 2010 – 2011
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 r-page policy briefs) that ORHP will disseminate through its web site and the reform web site of the Department of HHS.

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.

Thomas Vaughn, PhD (PI)
Hospital Leadership Quality Assessment: Building a Technical Assistance Program for Hospital Quality Improvement
Commonwealth Fund
Co-Investigators: Samuel Levey
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”
A team of researchers led by Marcia Ward PhD, Professor of Health Management and Policy, has received a grant titled “Evaluation of TeamSTEPPS Implementation for Community Hospital Patient Safety”. The grant will extend for five years and is funded for $2.5 million by the Agency for Healthcare Research and Quality (AHRQ). The project team includes Jill Scott-Cawiezell RN, PhD, Professor in the College of Nursing, Gideon Zamba, Assistant Professor of Biostatistics, Greg Stewart PhD, Professor in the College of Business, plus HMP Associate Professor Tom Vaughn PhD and Assistant Professor George Wehby PhD.

TeamSTEPPS stands for Team Strategies and Tools to Enhance Performance and Patient Safety. It is a strategy that was developed through a partnership of AHRQ and the Department of Defense to improve healthcare team performance through flexible training designed to enhance team knowledge, skills, and attitudes. TeamSTEPPS involves a comprehensive curriculum that spells out key actions for a culture change of teamwork including: team leadership, mutual performance monitoring, back-up behaviors, adaptability, team/collective orientation, shared mental models, mutual trust, and closed-loop communication. AHRQ is actively disseminating TeamSTEPPS through national training centers.

Although firmly based in research findings on the operations and effectiveness of teamwork, many aspects of the TeamSTEPPS approach have not yet been evaluated. Thus, the purpose of this study is to examine the relationship between key TeamSTEPPS elements and outcomes through considering both retrospective and prospective implementations in hospitals in Iowa and nationally. The ultimate goal of the project will be to identify the TeamSTEPPS strategies that are most successful in terms of positive outcomes and the characteristics of a high reliability organization and then determine the burden and cost of implementing these successful strategies.
Marcia Ward, PhD (PI)
Evaluation of TeamSTEPPSTM Implementation for Community Hospital Patient Safety
US Department of Health & Human Services, Agency for Healthcare Research & Quality
Co-Investigators: Thomas Vaughn, George Wehby, Jill Scott-Cawiezell, Gideon Zamba
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.

ASCO Study of Geographical Access to Oncology Care
American Society of Clinical Oncology
Co-Investigators: John Brooks, Elizabeth Chrischilles, Charles Lynch, Gerard Rushton, Brian Smith, Roger Tracy
Direct Funds: $204,093 | Funding Period: 2010 – 2012
The primary objective of the project is to analyze the supply and demand for oncology services in a specific geographic area.

George Wehby, PhD (PI)
Identifying Determinants of Birth Outcomes in South America
US Department of Health & Human Services, National Institutes of Health
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.

Genetic Instrumental Variable Studies of Maternal Risk Behaviors for Oral Clefts
US Department of Health & Human Services, National Institutes of Health
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, alcohol, obesity and caffeine use on CL/P risks using a genetic instrumental variable (IV) model that accounts for unobserved confounders.

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 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 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.

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
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 – 2012
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.
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 – 2012
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.

Co-Management of Back Pain by Chiropractic and Medical Physicians
Palmer Chiropractic University/US Department of Health & Human Services, Health Resources & Services Administration
Co-Investigators: Jason Hockenberry, Paul Mulhausen, Robert Wallace
Direct Funds: $151,758 | Funding Period: 2009 – 2012
This project is designed to address three interrelated specific aims: (1) characterizing co-occurrence of chiropractic and medical physician treatments for older adults with back pain; (2) development of a multidisciplinary model for patient-centered collaborative care between chiropractic and medical physicians for older adults with back pain; and, (3) comparing the clinical effectiveness of this collaborative care model with conventional medical care and a co-occurrence model for older adults with back pain in a large, prospective cohort study.
Wehby Awarded Multimillion Dollar NIDCR Grant

Title: Genetic Instrumental Variable Studies of Maternal Risk Behaviors for Oral Clefts
Sponsors: US Department of Health & Human Services, National Institutes of Health

George Wehby, PhD, Assistant Professor of Health Management and Policy, has been awarded a five-year, $2.6 million grant from the National Institute of Dental and Craniofacial Research, part of the National Institutes of Health, to study the causal effects of maternal risk behaviors on cleft lip and cleft palate.

"Orofacial clefts are common and burdensome birth defects with a complex set of causes that include genetic, behavioral and environmental contributors," said Wehby. "Accurate estimation of the effects of maternal risk behaviors is needed to develop effective counseling and prevention programs for cleft lip and palate."

In addition to Wehby, the UI research team includes: Jeff Murray, M.D., UI professor of neonatology and genetics and epidemiology; Paul Romitti, Ph.D., associate professor of epidemiology, and Lina Moreno Uribe, D.D.S., Ph.D., assistant professor of dentistry.

The study will examine a large, international set of data for nearly 9,000 mothers of children with cleft lip and palate and mothers of unaffected children. UI researchers will partner with colleagues from the U.S., Denmark and Norway to analyze the data.

The study aims to estimate how much maternal risk behaviors during pregnancy, such as smoking, alcohol use and obesity, affect the risk of cleft lip and cleft palate. The team will use a statistical approach known as a genetic instrumental variable model to estimate the average effects of these risk behaviors on cleft lip and palate and their interactive effects with genetic risk factors.

"The study involves a terrific set of collaborators to apply the very novel and powerful genetic instrumental variable approach," Murray said. "This will enable both scientists and clinicians to better understand the causes of cleft lip and palate and perhaps, for the first time, to provide accurate risk assessments using a combination of environmental and genetic risks."
PROJECTS WITH CHPR ASSOCIATES AS PRINCIPAL INVESTIGATORS, FUNDED THROUGH OTHER CENTERS

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 – 2010
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.

Upper Midwest Preparedness and Emergency Response Learning Center
Centers for Disease Control and Prevention
Co-Investigators: Tanya Uden-Holman, Marcia Ward
The Upper Midwest Preparedness and Emergency Response Learning Center (UMPERLC) operates in Iowa and Nebraska and was established to strengthen the capacity of the public health workforce to respond to public health emergencies. UMPERLC creates training programs to prepare the public health workforce in the necessary competencies to prepare for, promptly identify, and respond to public health threats.

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.

Increasing Young Adult Smokers’ Demand for Internet-based Cessation Treatment
University of Illinois at Chicago
Direct Funds: $104,091 | Funding Period: 2009 – 2012
Project will involve use of CADE to increase young adult smokers' demand for internet-based cessation treatment.

Brian Kaskie, PhD (PI)
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.
Promoting Successful Aging within Institutions of Higher Learning
TIAA-CREF Foundation
Direct Funds: $265,225 | Funding Period: 2009 – 2011
The goal of this study is to examine programs, services, and role accommodations targeted toward aging employees within academic institutions

The Collaborative Model of Mental Health Care for Older Iowans
US Department of Health & Human Services, Agency for Healthcare Research and Quality
Direct Funds: $1,096,626 | Funding Period: 2009 – 2012
The purpose of this demonstration project is to establish the evidence-based Collaborative Model of Mental Health Care for Older Iowans in three rural locations where a community mental health center partners with a primary health care clinic.

Providing Collaborative Care Models to Older Adults with Mental Illness
US Department of Health & Human Services, Agency for Healthcare Research and Quality
Direct Funds: $49,990 | Funding Period: 2010 – 2011
The purpose of this project is to convene a conference that focuses on the critical role that primary health care and aging services play in the lives of older persons with mental illness.

Tanya Uden-Holman, PhD (PI)
Upper Midwest Public Health Training Center
US Department of Health & Human Services, 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.

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.
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.

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.

Health Outcomes and Improved Phenotypic Characterization of Cleft Lip and Palate
US Department of Health & Human Services, 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

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
US Department of Health & Human Services, 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
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
US Department of Health & Human Services, Agency for Healthcare Research & Quality
Barcey Levy (PI) | Center Investigator: Marcia Ward
Direct Funds: $325,595 | Funding Period: 2007 – 2010

Organizational Factors and Inpatient Medical Care Quality and Efficiency
VA HSR&D
Peter Kaboli (PI) | Center Investigator: Jason Hockenberry
Direct Funds: $241,700 | Funding Period: 2008 – 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

Project LAUNCH (Linking Actions for Unmet Needs in Children’s Health)
US Department of Health & Human Services, Substance Abuse & Mental Health Services Administration
Anne Wallis (PI) | Center Investigator: Thomas Vaughn
Direct Funds: $157,408 | Funding Period: 2009 – 2011
A Collaborative Model to Improve BP Control and Minimize Racial Disparities-CCC
US Department of Health & Human Services, National Institutes of Health
Barry Carter (PI) | Center Investigator: Thomas Vaughn
Direct Funds: $3,526,647 | Funding Period: 2009 – 2014

Resetting Nutritional Defaults: Testing the Effect of NuVal on Older Adults
US Department of Health & Human Services, National Institute on Aging
Linda Snetselaar (PI) | Center Investigator: Jason Hockenberry
Direct Funds: $525,000 | Funding Period: 2010 – 2012

A Patient Activation Intervention to Enhance Bone Health
US Department of Health & Human Services, National Institutes of Health
Peter Cram (PI) | Center Investigator: Fredric Wolinsky
Direct Funds: $6,167,397 | Funding Period: 2010 – 2015
PUBLICATIONS BY CHPR ASSOCIATES


**FORTHCOMING PUBLICATIONS BY CHPR ASSOCIATES**


HMP PhD Student Publications


Forthcoming PhD Student Publications


2010 Bonnie J. and Douglas S. Wakefield Award winners Smruti Vartak and Suzanne Bentler

PhD Updates
PRESENTATIONS BY CHPR ASSOCIATES

Atchison C. Action Items States Must Consider as a Result of Recently Enacted Federal Health Reform Legislation. Remarks, Symposium on Health Reform, Iowa City, IA, July 2010.


Mueller KJ. The Next Generation of the FLEX Program: Post PPACA. The Western Region Flex Conference, June 2010.


Vaughn TE. How to Recognize What We Do Best: The Search for Best Practices in Health Administration Education. AUPHA Leaders Conference, Chicago, IL, March 2010.


### INVITED SEMINAR PRESENTATIONS

<table>
<thead>
<tr>
<th>Date</th>
<th>Invited Speaker</th>
<th>Title of Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 19, 2010</td>
<td>Dennis C. Harper, PhD Professor of Education, Pediatrics, and Public Health College of Education University of Iowa</td>
<td>Center for Disabilities and Development: an IOWA Resource Clinical and Training Programs</td>
</tr>
<tr>
<td>April 30, 2010</td>
<td>Lauren Hersch Nicholas, PhD Research Fellow Population Studies Center &amp; Health and Retirement Study University of Michigan</td>
<td>Visiting Scholar Series: Cognitive Impairment and End-of-Life Treatment Intensity</td>
</tr>
</tbody>
</table>

### RESEARCH UPDATES and METHODS WORKSHOPS

<table>
<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Title of Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 29, 2010</td>
<td>Fredric D. Wolinsky, PhD Professor and John W. Colloton Chair Department of Health Management and Policy University of Iowa</td>
<td>Racial Consciousness and School Segregation: Enduring Effects on Older African Americans</td>
</tr>
<tr>
<td>February 5, 2010</td>
<td>Jason Hockenberry, PhD Assistant Professor Department of Health Management and Policy University of Iowa</td>
<td>Economic Transition, Marriage Market Crowd Out and Non-Marital Fertility</td>
</tr>
<tr>
<td>February 12, 2010</td>
<td>Suzanne Bentler PhD Candidate Department of Health Management and Policy University of Iowa</td>
<td>The Consequences of Stroke in Older Medicare Beneficiaries</td>
</tr>
<tr>
<td>March 5, 2010</td>
<td>Troy Mills PhD Student Department of Health Management and Policy University of Iowa</td>
<td>Electronic Medical Record Systems in Critical Access Hospitals: Leadership Perspectives on Anticipated and Realized Benefits</td>
</tr>
<tr>
<td>April 23, 2010</td>
<td>George Wehby, PhD Assistant Professor Department of Health Management and Policy University of Iowa</td>
<td>Smoking Effects on Body Weight: Evidence Using Genetic Instrumental Variables</td>
</tr>
<tr>
<td>May 7, 2010</td>
<td>Paula Weigel PhD Student Department of Health Management and Policy University of Iowa</td>
<td>Chiropractic Use Patterns in Older Adults</td>
</tr>
<tr>
<td>September 17, 2010</td>
<td>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</td>
<td>Update on State Initiatives for Health Reform</td>
</tr>
<tr>
<td>Date</td>
<td>Presenter</td>
<td>Title of Presentation</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------------------</td>
<td>----------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| September 24, 2010 | Keith J. Mueller, PhD  
Gerhard Hartman Professor and Head  
Department of Health Management and Policy  
University of Iowa | The Affordable Care Act and Transforming Health Care Delivery |
| October 1, 2010 | George Wehby, PhD  
Assistant Professor  
Department of Health Management and Policy  
University of Iowa | Hospital Volume and Mortality of Very Low Birth Weight Infants: Evidence from South America |
| November 5, 2010 | Kwame Nyarko  
PhD Student  
Department of Health Management and Policy  
University of Iowa | Explaining Racial Disparities in Infant Health in Brazil |
| November 19, 2010 | Lance Roberts  
PhD Candidate  
Department of Health Management and Policy  
University of Iowa | Leadership Safe Practices and Their Relationship with the Medication Reconciliation Innovation |
| December 3, 2010 | Smruti Vartak  
PhD Candidate  
Department of Health Management and Policy  
University of Iowa | Association Between Organizational Factors and Quality of Care: An Examination of Hospital Performance Indicators |