

# *Annual Report*

## **Center Personnel Research Projects Publications Presentations Educational Activities**

**July 1, 2002 – June 30, 2003**



*Center for Health Policy and Research  
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**CENTER ASSOCIATES\***  
**July 1, 2002 to June 30, 2003**

Elizabeth Altmaier, Ph.D.	Dept. of Psychological & Quantitative Foundations
Rachel Anderson, Ph.D.	Department of Health Management and Policy
Christopher Atchison, M.P.A.	Department of Health Management and Policy
James Bahensky, M.S.	Department of Health Management and Policy
Julie Ganther, Ph.D.	College of Pharmacy
Mary Gilchrist, Ph.D.	Department of Health Management and Policy
Barry Greene, Ph.D.	Department of Health Management and Policy
Charles Helms, M.D., Ph.D.	Department of Internal Medicine
Brian Kaskie, Ph.D.	Department of Health Management and Policy
Donna Katen-Bahensky, M.S.	Department of Health Management and Policy
Samuel Levey, Ph.D.	Department of Health Management and Policy
Robert Ohsfeldt, Ph.D.	Department of Health Management and Policy
Lawrence Prybil, Ph.D.	Department of Health Management and Policy
Gerard Rushton, Ph.D.	Department of Geography
Audrey Saftlas, Ph.D.	Department of Epidemiology
John Schneider, Ph.D.	Department of Health Management and Policy
James Torner, Ph.D.	Department of Epidemiology
Tanya Uden-Holman, Ph.D.	Department of Health Management and Policy
Thomas Vaughn, Ph.D.	Department of Health Management and Policy
Douglas Wakefield, Ph.D.	Department of Health Management and Policy
Marcia Ward, Ph.D.	Department of Health Management and Policy
Jorg Westermann, Ph.D.	Department of Health Management and Policy

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

**CENTER AFFILIATES \*\*  
July 1, 2002 to June 30, 2003**

Marc Armstrong, Ph.D.	Department of Geography
David Bennett, Ph.D.	Department of Geography
Robert Buchanan, Ph.D.	Texas A & M University
Kathleen Buckwalter, R.N., Ph.D.	College of Nursing
Elizabeth Chrischilles, Ph.D.	Department of Epidemiology
Howard Cowen, D.D.S.	Dept. of Preventive & Community Dentistry
Bradley Doebbeling, M.D., M.S.	Department of Internal Medicine
Ronald Ettinger, D.D.S.	Department of Prosthodontics
Keela Herr, R.N., Ph.D.	College of Nursing
Norma Hirsch, M.D.	Department of Pediatrics
Meridean Maas, R.N., Ph.D.	College of Nursing
Claire Pavlik, Ph.D.	Department of Geography
Jane Pendergast, Ph.D.	Department of Biostatistics
Richard Scheffler, Ph.D.	University of California, Berkeley
Catherine Watkins, D.D.S.	Dept. of Preventive & Community Dentistry

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

**GRADUATE RESEARCH ASSISTANTS \*\*\***  
**July 1, 2002 to June 30, 2003**

Veerasathpurush Allareddy	Department of Health Management and Policy
Natalie Gerstner	Department of Health Management and Policy
Molly Hartman	Department of Health Management and Policy
James Hurley	Department of Health Management and Policy
Sara Imhof	Department of Health Management and Policy
Mirou Jaana	Department of Health Management and Policy
Yang Lei	Department of Health Management and Policy
Pengxiang Li	Department of Health Management and Policy
Junlin Liao	Department of Health Management and Policy
Thomas Miller	Department of Health Management and Policy
Matt Oujiri	Department of Health Management and Policy
Chad Shearer	Department of Health Management and Policy
Angela Speer	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  
July 1, 2002 to June 30, 2003**

- Title: "Midwest AIDS Training and Education Center"  
Source: HRSA through the University of Illinois  
Principal Investigator: Charles Helms  
Direct funds: \$882,442  
Period of funding: 1988 – 2002  
Description: This project conducts training programs and disseminates expert, up-to-date information on HIV/AIDS. Over its 14 years, it has offered thousands of programs and is responsive to the needs, challenges, and concerns of all types of healthcare providers.
- Title: "T-Cell Depletion in Unrelated Donor Marrow Transplantation Study"  
Source: Emmes Corporation  
Principal Investigator: Elizabeth Altmaier  
Direct funds: \$389,058  
Period of funding: 1994 – 2002  
Description: The Unrelated Donor Marrow Transplantation Trial is a national randomized clinical trial involving fourteen sites in the U.S. All patients who are unable to find a "related donor" for marrow transplantation are matched instead by the National Bone Marrow Registry. The Trial randomizes patients to either the conventional arm or the T-cell depletion arm for comparison of results. The University of Iowa is the leader for the Health Quality of Life Component of the Trial.
- Title: "Pregnancy Outcome after Treatment of Cervical Dysplasia"  
Source: NIH/NICHD  
Principal Investigator: Lynn C. Sadler, Audrey Saftlas (PI, U of Iowa Subcontract)  
Direct funds: \$74,389  
Period of funding: 1999 – 2002  
Description: This project is a retrospective cohort study of women seen at the City of Auckland's Colposcopy Clinic. The goal of the project is to follow subjects for up to 11 years to determine if treatment for cervical dysplasia increases the risk of preterm delivery.

Title: "Improving Quality of End of Life Care in Iowa"  
Source: The Robert Wood Johnson Foundation  
Principal Investigator: Douglas Wakefield  
Key Personnel: Tanya Uden-Holman, Ronald Ettinger, Keela Herr, Catherine Watkins, Howard Cowen, Norma Hirsch  
Direct funds: \$450,036  
Period of funding: 1999 – 2002  
Description: The purpose of this grant is to create a statewide network of organizations and individuals collaborating to improve end-of-life care throughout Iowa. The grant is supporting four major initiatives: Integrating Pain as the 5th Vital Sign; Implementing Out-of-Hospital Do Not Resuscitate Orders; Evaluating End-of-Life Oral Health Issues; and Enhancing Community Engagement to Improve End-of-Life Care Locally.

Title: "Provisions of Health and Social Services to Persons with Dementia in Marin County"  
Source: The Marin Community Foundation  
Principal Investigator: Brian Kaskie  
Direct funds: \$45,000  
Period of funding: 2000 – 2002  
Description: The objectives of this research are to estimate the number of persons over the age of 65 who live in Marin County and may be suffering with the clinical dementia syndrome, account for the structures and workforce that provide health and social services to persons with dementia across community and residential settings, highlight particular strengths and weaknesses, and offer responses to the challenges concerning the growing number of persons with dementia in Marin County.

Title: "Project Hometown: 2000 - 2003"  
Source: Public Health Service Dept. of Health and Human Services  
Principal Investigator: Barry Greene  
Direct funds: \$87,211  
Period of funding: 2000 – 2003  
Description: In this project, the students will learn about specific communities in the state of Iowa using Internet-based information technologies and databases. The proposed project will enable university based students to collaborate with community based sponsors which will jointly serve to enhance health services management education and community healthcare planning needs.

Title: “Adopting Pain as the 5<sup>th</sup> Vital Sign in Rural Iowa Healthcare Organizations: Implementing State-of-the-Art Assessment Documentation and Treatment Protocols”

Source: John Deere Foundation

Principal Investigator: Douglas Wakefield

Direct funds: \$25,000

Period of funding: 2000 – 2003

Description: This project supports pain assessment and management education initiatives targeted towards Iowa’s rural healthcare professionals and organizations.

Title: “An Assessment of the Mental/Behavioral Health Needs and Services within the Iowa Department of Corrections”

Source: Iowa Department of Corrections

Principal Investigator: Rachel Anderson

Key Personnel: Marcia Ward, Barry Greene

Direct funds: \$128,986

Period of funding: 2001 – 2002

Description: Using a needs-based planning approach, this research aims to describe the characteristics and clinical needs of inmates and to understand the relationship between these needs and the use of mental health services across all Iowa Department of Corrections (DOC) facilities. This process is relevant to program and systems planning regarding treatment development and level-of-care for adults who have been placed with the DOC.

Title: “Adolescent Mental Health and Substance Abuse”

Source: College of Public Health/College of Medicine  
University of Iowa

Principal Investigator: Rachel Anderson

Direct funds: \$9,982

Period of funding: 2001 – 2002

Description: This study examines the clinical and psychosocial needs and strengths of adolescents with serious emotional disturbance and substance abuse problems. Its aim is to examine factors associated with level of care placement, treatment effectiveness, and unmet needs related to the delivery of mental health and substance abuse services for adolescents and families served by child welfare.

Title: “An Interdisciplinary Approach to Improving Patient Safety”  
Source: Iowa Department of Public Health  
Principal Investigator: Tanya Uden-Holman  
Direct funds: \$23,127  
Period of funding: 2001 – 2002  
Description: The project goal is to define factors in the organizational environment that impede or facilitate voluntary reporting processes and bring together an interdisciplinary team of healthcare providers to facilitate discussions in order to increase voluntary reporting and improve patient safety in rural hospitals that are Institute for Quality Healthcare members.

Title: “Validity of the Minimum Data Set Depression Rating Scale”  
Source: National Institutes of Health  
Principal Investigator: Rachel Anderson  
Key Personnel: Kathleen Buckwalter, Meridean Maas, Robert Buchanan  
Direct funds: \$12,000  
Period of funding: 2001 – 2002  
Description: This project will validate and test the reliability of a newly developed assessment instrument for depression that utilizes existing staff and resources to more precisely measure symptoms associated with depression in nursing home residents. The overall goal for this research is to strengthen the process of symptom recognition for nursing home residents who suffer from depression that will lead to the development and implementation of diagnostic, prevention and early intervention efforts and maximize the effectiveness of available treatment interventions and services.

Title: “Web-Based Field Integration Model for Public Health Education”  
Source: Association of Schools of Public Health  
Principal Investigator: Barry Greene  
Direct funds: \$18,518  
Period of funding: 2001 – 2003  
Description: The purpose of this project is to design and begin implementation of a generic conceptual framework for the development of a web based communication system for curricular information and resource exchanges. This framework, the Field Integration Model, will be based on the core functions and ten essential services model and serve the academic and practice communities of the Upper Midwest Public Health Training Center.



- Title: "Analysis of Doctors of Chiropractic and MD Primary Care Physicians Interprofessional Referral Patterns"  
Source: NIH/NCCAM  
Principal Investigator: Barry Greene  
Direct funds: \$250,000  
Period of funding: 2001 – 2003  
Description: This is an exploratory study to look at the bi-directional referral patterns between chiropractors and primary care practitioners in Iowa. We will measure that with the progressive refinement of a survey instrument that we are working on with Palmer and with the assistance of some seasoned researchers at Western States Chiropractic College in Oregon. We will also use focus groups throughout the two years. The research with the most direct bearing on our study shows that the majority of chiropractors see themselves as primary care providers.
- Title: "Domestic Abuse in Pregnancy and Adverse Birth Outcomes"  
Source: NIH/NICHHD  
Principal Investigator: Audrey Saftlas  
Direct funds: \$1,172,510  
Period of funding: 2001 – 2005  
Description: This project is a population-based case-control study of Iowa women. The goal is to determine if domestic violence and prenatal stress increase the risk of preterm delivery and intrauterine growth retardation.
- Title: "Maternal-Fetal HLA Sharing and Risk of Preeclampsia"  
Source: Association of Schools of Public Health  
Principal Investigator: Audrey Saftlas  
Direct funds: \$1,564,614  
Period of funding: 2001 – 2005  
Description: This project is a population-based case-control study of Iowa women. The goal is to determine if maternal-fetal HLA sharing is a risk factor for preeclampsia.

Title: “Cost-Effectiveness Model for Treatment of BPH”  
Source: Boehringer Ingelheim  
Principal Investigator: Robert Ohsfeldt  
Direct funds: \$58,279  
Period of funding: 2002 – 2002  
Description: The goal of this project is to evaluate the potential cost-effectiveness of tamsulosin in the management of mild to moderate BPH. To do so, the best available estimates from the literature regarding cost and outcome effects of tamsulosin and alternative medications will be applied in a decision analytic model.

Title: “Housing and Communities in Iowa: Opportunities for Aging Iowans”  
Source: The Iowa Finance Authority  
Principal Investigator: Brian Kaskie  
Direct funds: \$12,500  
Period of funding: 2002 – 2002  
Description: This analysis examined the housing situation for older Iowans in terms of affordability, adequacy and access to services for older Iowans. Research found that housing status for the majority of older Iowans was good but several challenges need to be addressed. Recommended responses to these challenges covered public and private policy alternatives.

Title: “Policy Factors Associated with Medicare Mental Health Services”  
Source: University of Iowa College of Public Health/College of Medicine  
Principal Investigator: Brian Kaskie  
Direct funds: \$10,000  
Period of funding: 2002 – 2003  
Description: Even though effective forms of specialty treatment have been identified, less than 25% of those older adults with a diagnosable mental illness obtain specialty care. This lack of specialty service use among older adults with mental illness constitutes a substantive health policy problem. This project, involving a systematic evaluation of the local carrier policies, may help to identify the factors that are associated with variability in the use of specialty mental health services.

Title: "Economic Analysis of Health Plan Provider Contract Regulation in California, 1997-2001"  
Source: University of Iowa College of Public Health/College of Medicine  
Principal Investigator: John Schneider  
Direct funds: \$10,000  
Period of funding: 2002 – 2003  
Description: State enactment of managed care (MCO) regulations has diffused rapidly in the U.S. during the past five years. Whereas the economic effects of regulation in general are well understood, the application of that body of knowledge to MCO regulation has not been examined. California is chosen because of its high level of regulatory activity during the past decade. The two aims of the study are (1) to identify and categorize all of the MCO regulations enacted in California from 1990 to 2001; and (2) to conduct statistical analyses to explore the hypotheses that MCO regulations are likely to raise the average costs of health care. The overall research design is a multivariable statistical analysis of panel data on health plan costs.

Title: "Service Outcomes for Children with Special Needs"  
Source: University of Iowa Hospital Schools  
Principal Investigator: Rachel Anderson  
Direct funds: \$5,500  
Period of funding: 2002 – 2003  
Description: This evaluation compares clinical outcomes associated with a new case management approach to service delivery for children with psychiatric difficulties and their families as compared to the usual care of a general referral service.

Title: "Opportunities for Optimal Aging in Marin County: Phase II"  
Source: Marin Community Foundation  
Principal Investigator: Brian Kaskie  
Direct funds: \$54,000  
Period of funding: 2002 – 2003  
Description: This project examines factors that contribute to optimal aging experiences for persons living in Marin County. Specifically, it investigates employment and volunteer opportunities as well as programs and services that promote healthy aging.

Title: "Evaluation of the Implications of Implementing the Leapfrog Group's Patient Safety Standards in Iowa Hospitals"  
Source: Iowa Department of Public Health/CDC  
Principal Investigator: Douglas Wakefield  
Key Personnel: Robert Ohsfeldt, Marcia Ward  
Direct funds: \$93,522  
Period of funding: 2002 – 2003  
Description: The purpose of this study is to evaluate the potential effect of third-party payers using their economic purchasing power to stimulate the potential effects in Iowa of implementing the three patient safety standards developed by the Leapfrog Group: (1) computer-based physician order entry systems; (2) evidence-based hospital referrals; and (3) specific ICU physician staffing.

Title: "The ECHO Culture Change Initiative"  
Source: Wesley Retirement Services  
Principal Investigator: Thomas Vaughn  
Direct funds: \$18,159  
Period of funding: 2002 – 2003  
Description: This project is evaluating the effects of a culture change initiative in five nursing facilities. The outcomes of interest for the evaluation are changes in culture, staff empowerment, satisfaction and retention, as well as family perceptions of care, resident quality of life and objective measures of care quality.

Title: "Medical Group Market Structure in California: Preliminary Analysis"  
Source: Center on Health Care Markets and Consumer Welfare; University of California, Berkeley  
Principal Investigator: John Schneider  
Key Personnel: Richard Scheffler  
Direct funds: \$10,966  
Period of funding: 2002 – 2004  
Description: This is a pilot grant to study the relationships between medical group and health plan market structure. The study develops a unique database on California medical groups and health plans. Analyses include the effects of medical group and health plan market structure on physician expenditures and on health plan profit rates.

- Title: "A GIS-Based Workbench to Interpret Cancer Maps"  
Source: NIH  
Principal Investigator: Gerard Rushton  
Key Personnel: Barry Greene, Marc Armstrong, David Bennett, Elizabeth Chrischilles, Bradley Doebbeling, Claire Pavlik, Jane Pendergast  
Direct funds: \$905,505  
Period of funding: 2002 – 2005  
Description: This research will develop and test a methodology for identifying regions of excess cancer burden for breast and colorectal cancer in Iowa. It will refine measures of geographic access to cancer prevention, treatment, and screening services in Iowa by computing values using fine-scaled geographic data on individuals, the spatial choices for individuals, and the locations of service providers.
- Title: "The Real Choices Initiative: Developing a Screening and Assessment Process for Older Iowans"  
Source: Iowa Department of Health; UI Center for Developmental Disabilities  
Principal Investigator: Brian Kaskie  
Key Personnel: Rachel Anderson  
Direct funds: \$67,465  
Period of funding: 2003 – 2004  
Description: This research will document the institutional bias that affects where older Iowans receive long-term care services. The project also will evaluate and pilot a clinical screening process that allows older adults to have "real choices" in how and where they will receive long-term care services.
- Title: "VA MREP Career Award"  
Source: Veteran's Health Administration; Health Services Research and Development; Washington, D.C.  
Principal Investigator: John Schneider  
Key Personnel: Bradley Doebbeling, Robert Ohsfeldt  
Direct funds: \$147,000  
Period of funding: 2003 – 2006  
Description: This is a career award to build a research agenda on integrating clinical, economic, and organizational data within the VA system. The studies that will be generated focus on the clinical and organizational effects of process innovation (e.g., clinical practice guidelines) on facility and system costs.

**OTHER RESEARCH PROJECTS SUPPORTING CHPR ASSOCIATES**  
**July 1, 2002 to June 30, 2003**

Title: "Physician Education on Diabetes"  
Source: Wellmark  
Principal Investigator: Linda Snetselaar  
Center Investigator: Tanya Uden-Holman  
Direct funds: \$49,440  
Period of funding: 1999 – 2002

Title: "Case Management for Rural Substance Abuse"  
Source: SAMSHA-CSAT  
Principal Investigator: James Hall  
Center Investigator: Thomas Vaughn  
Direct funds: \$1,336,300  
Period of funding: 1999 – 2003

Title: "Epidemiology and Control of Antimicrobial Resistance in Hospitals"  
Source: Department of Veterans Affairs  
Principal Investigator: Bradley Doebbeling  
Center Investigators: Thomas Vaughn, Marcia Ward  
Direct funds: \$758,800  
Period of funding: 1999 – 2003

Title: "Determinants of Clinical Guideline Implementation Effectiveness"  
Source: Department of Veterans Affairs  
Principal Investigator: Bradley Doebbeling  
Center Investigators: Thomas Vaughn, Marcia Ward  
Direct funds: \$750,000  
Period of funding: 1999 – 2003

Title: "Improving Patient Safety and Health Outcomes"  
Source: ASPH  
Principal Investigator: Christopher Atchison  
Center Investigators: Lawrence Prybil, Tanya Uden-Holman, Thomas Vaughn, Douglas Wakefield  
Direct funds: \$500,000  
Period of funding: 2000 – 2002

Title: "Outsourcing VA Inpatient Care: Impact on Utilization, Quality and Policy"  
Source: VA-HSR&D  
Principal Investigator: Gary Rosenthal  
Center Investigator: Douglas Wakefield  
Direct funds: \$109,500  
Period of funding: 2000 – 2002

Title: "Improving the Research Infrastructure of Family Medicine and General Internal Medicine"  
Source: HRSA  
Principal Investigator: Cynda Johnson, Gary Rosenthal  
Center Investigators: Thomas Vaughn, Marcia Ward  
Direct funds: \$574,000  
Period of funding: 2000 – 2003

Title: "Nurse Staffing and Quality of Care"  
Source: University of Colorado/National Institute of Nursing Research  
Principal Investigator: Mary Blegen  
Center Investigator: Thomas Vaughn  
Direct funds: \$130,567  
Period of funding: 2000 – 2003

Title: "Cost-Effectiveness of Home Biofeedback System to Improve Gastrointestinal Motility"  
Source: NIH  
Principal Investigator: Satish Rao  
Center Investigator: John Schneider  
Period of funding: 2000 – 2005

Title: "Upper Midwest Public Health Training Center"  
Source: HRSA  
Principal Investigator: Christopher Atchison  
Center Investigators: Barry Greene, Tanya Uden-Holman, Jorg Westermann  
Direct funds: \$509,186  
Period of funding: 2001 – 2002

Title: "Educational Outreach Programs to Iowa Communities"  
Source: Principal Financial Group Foundation  
Principal Investigator: Lawrence Prybil  
Direct funds: \$21,000  
Period of funding: 2001 – 2003

Title: "Preventing Relapse among Women Who Quit Smoking Due to Pregnancy"  
Source: Iowa Attorney General  
Principal Investigator: John Lowe  
Center Investigator: Marcia Ward  
Direct funds: \$315,988  
Period of funding: 2001 – 2003

Title: "Iowa Center for Public Health Preparedness"  
Source: Centers for Disease Control and Prevention  
Principal Investigator: Christopher Atchison  
Center Investigators: Barry Greene, Tanya Uden-Holman, Jorg Westermann  
Direct funds: \$1,333,824  
Period of funding: 2001 – 2004

Title: "Lung Cancer Care Outcomes/Surveillance Consortium Iowa"  
Source: NCI  
Principal Investigator: Robert Wallace  
Center Investigator: Julie Ganther  
Direct funds: \$1,996,212  
Period of funding: 2001 – 2006

Title: "Impact of the Iowa Priority Brown Bag Medication Review on the Safety, Effectiveness and Efficiency of Seniors' Medication Use"  
Source: Iowa Department of Public Health  
Principal Investigator: Karen Farris  
Center Investigator: Julie Ganther  
Direct funds: \$92,934  
Period of funding: 2002 – 2003



Title: "Improving the Health of Rural Iowan's through Nutrition and Exercise"  
Source: CDC  
Principal Investigator: John Lowe  
Center Investigator: John Schneider  
Direct funds: \$581,031  
Period of funding: 2002 – 2003

Title: "A Comparative Study of Governing Boards in High-Performing Not-For-Profit Hospitals"  
Source: W.K. Kellogg Foundation, Witt/Kieffer, Sullivan, Cotter & Associates and Jennings, Ryan & Kolb, a division of Cross Country Consulting  
Principal Investigator: Lawrence Prybil  
Direct funds: \$100,000  
Period of funding: 2003 – 2004

**PUBLICATIONS BY CHPR ASSOCIATES  
JULY 1, 2002 to JUNE 30, 2003**

**Altmaier EM** (Ed.). Setting standards in graduate education: *Psychology's Commitment to Excellence in Accreditation*. Washington, DC: American Psychological Association, 2003.

**Anderson RL**, Lyons JS, Giles DM, Price JA & Estle G. Reliability of the Child and Adolescent Needs and Strengths-Mental Health (CANS-MH) scale. *Journal of Child and Family Studies*, 12(3):279-289, 2003.

**Anderson RL**, Buckwalter KC, Buchanan RJ, Maas ML & Imhof SL. Validity and reliability of the Minimum Data Set Depression Rating Scale (MDSDRS) for older adults in nursing homes. *Age and Ageing*, 32(4):435-438, 2003.

**Atchison CG, Uden-Holman T, Greene BR & Prybil LD**. Developing the academic institution's role in response to bioterrorism: The Iowa Center for Public Health Preparedness. *Journal of Public Health Management Practice*, 9(5):417-425, 2003.

**Atchison C, Uden-Holman T, Wakefield D**, Merchant J, **Prybil L**, Bear M & Walkner L. *New Models for a New Reality: Improving Iowa's Preparedness Capacity*. Iowa City: The University of Iowa, 2003.

Bracken MB, Triche EW, Belanger K, **Saftlas AF**, Beckett WS & Leaderer BP. Effects of asthma severity and drug therapy on preterm delivery and fetal growth: A prospective study of 2207 pregnancies. *Obstetrics and Gynecology*, in press.

Doebbeling BN, **Vaughn TE**, McCoy KD, Beekmann SE, Ferguson KJ, Torner JC & Woolson RF. Percutaneous injury, blood exposure and standard precautions adherence: Are hospital-based providers still at risk? *Clinical Infectious Diseases*, in press.

Fraley SS & **Altmaier EM**. Correlates of patient satisfaction among menopausal women. *Journal of Clinical Psychology in Medical Settings*, 9:235-243, 2002.

Grabowski D, **Ohsfeldt R** & Morrisey M. The effects of CON repeal on medicaid nursing home and long term care expenditures. *Inquiry*, in press.

**Greene BR**. How should health management programs be measured and evaluated? Synthesis of breakout session reports. *Journal of Health Administration Education*, special issue pp187-200, 2003.

**Greene BR**, Kralewski JE, Gans DN & Klinkel DI. A comparison of the performance of hospital- and physician-owned medical group practices. *Journal of Ambulatory Care Management*, 25(4):26-36, 2002.

Gruca TS & **Wakefield DS**. Hospital web sites promise and progress. *Journal of Business Research*, 57:1-5, 2002.

**Helms CM**. Hospital systems and safety. *Currents*, 3(1), 2002.

**Helms CM**. Information and communication are key to hospital's success. *Currents*, 3(2), 2002.

**Helms CM**. Waning protection: The fragile vaccine supply. Would the proposed strategies have prevented shortages? *Infectious Diseases in Children*, 15(87), 2002.

**Helms CM**. Performance improvement: Does it matter to you? *Currents*, 3(3), 2002.

**Helms CM**. Back to the basics: Hand hygiene campaign. *Currents*, 3(4), 2002.

**Helms CM**. The ultimate goal: Patient satisfaction. *Currents*, 4(1), 2003.

**Helms CM**. Physicians in leadership positions. *Currents*, 4(2), 2003.

Huber DL, Sarrazin MV, **Vaughn TE** & Hall JA. Evaluating the impact of case management dosage. *Nursing Research*, in press.

Javitz HS, **Ward MM**, Farber E, Nall L & Vallow SG. The direct cost of care for psoriasis and psoriatic arthritis in the United States. *Journal of the American Academy of Dermatology*, 46:550-860, 2002.

**Kaskie B**, Linkins K & Estes C. Services delivered to older adults with dementia and other forms of mental illness: The role of the aging network. *Journal of Mental Health and Aging*, in press.

**Levey S**, Hill J & **Greene B**. Leadership in health care and the leadership literature. *Journal of Ambulatory Care Management*, 25(2):68-74, 2002.

Maloney R & **Altmaier EM**. Caring for bereaved families: Self-efficacy in the donation request process. *Journal of Clinical Psychology in Medical Settings*, in press.

Mullins CD & **Ohsfeldt R**. Modeling the annual costs of postmenopausal prevention therapy using hormone replacement therapy, raloxifene, or alendronate. *Journal of Managed Care Pharmacy*, 9(2):150-158, 2003.

Patrick LE, **Altmaier EM** & Found EM. Long-term outcomes in multidisciplinary treatment of chronic low back pain: Results of a 13-year follow-up. *Spine*, in press.

**Prybil L.** Challenges and opportunities facing health administration practice and education. *Journal of Healthcare Management*, in press.

Rippentrop AE, Wong M & **Altmaier EM.** A content analysis of interviewee reports of medical school admissions interviews. *Medical Education Online* 8:10, 2003.  
Available from <http://www.med-ed-online.org>.

**Saftlas AF** & Levine RJ. The interval between pregnancies and preeclampsia. (Letter to editor). *N Engl J Med*, 346:1831-1832, 2002.

**Saftlas AF**, Levine RJ, Klebanoff MA, Martz KL, Ewell MG, Sibai BM & Morris CD. Abortion changed paternity, and risk of preeclampsia in nulliparous women. *American Journal of Epidemiology*, 157:1108-1114, 2003.

Saleh S, **Vaughn T** & Rohrer J. The effect of governing board composition on rural hospitals' involvement in provider-sponsored managed care organizations. *Journal of Healthcare Management*, 47(5):321-333, 2002.

**Schneider J.** Changes in the effects of mandatory rate regulation on growth in hospital operating costs, 1980-1996. *Review of Industrial Organization*, in press.

Turnock BJ & **Atchison C.** Governmental public health in the United States: The implications of federalism. *Health Affairs*, 21(6):68-78, 2002.

**Vaughn TE**, McCoy KD, BootsMiller BJ, Woolson RF, Sorofman B, Tripp-Reimer T, Perlin J & Doebbeling BN. Organizational predictors of adherence to ambulatory care screening guidelines. *Medical Care*, 40(12):1172-1185, 2002.

**Ward MM**, Doebbeling BN, **Vaughn TE**, **Uden-Holman T**, Clarke WR, Woolson RF, Letuchy E, Branch LG & Perlin J. Effectiveness of a nationally implemented smoking cessation guideline on provider and patient practices. *Preventive Medicine*, 36(3):265-271, 2003.

**Ward MM**, Javitz HS, Smith WM & Whan MA. Lost income and work limitations in persons with chronic respiratory disorders. *Journal of Clinical Epidemiology*, 55(3):260-268, 2002.

Welke KF, BootsMiller BJ, McCoy KD, **Vaughn TE**, **Ward MM**, Flach SD, Peloso PM, Sorofman BA, Tripp-Reimer T & Doebbeling BN. What factors influence provider knowledge of a congestive heart failure guideline in a national health care system? *American Journal of Medical Quality*, 18(3):122-127, 2003.

**PRESENTATIONS BY CHPR ASSOCIATES**  
**July 1, 2002 to June 30, 2003**

**Anderson RL** & Giles DM. Integrating mental health and substance abuse services for rural adolescents. College of Medicine/College of Public Health Research Week, University of Iowa, 2002.

**Atchison CA.** Public health preparedness. Iowa Medical Society Annual Meeting, Des Moines, IA, 2002.

**Atchison CA.** New models for a new reality: Improving Iowa's preparedness capacity. Iowa Center for Public Health Preparedness, University of Iowa, 2002.

Diekema D, BootsMiller B, Ernst E, Flach S, Franciscus C, Pfaller M, **Vaughn T, Ward M,** Woolson R, Yankey J & Doebbeling B. Antimicrobial resistance (AMR) in United States hospitals: Rates, trends, and outbreak estimates from a nationwide survey of infection control professionals (ICPs) and laboratory directors (LDs). Society for Healthcare Epidemiology of America Annual Meeting, Arlington, VA, April 2003.

Diekema D, BootsMiller B, **Vaughn T, Ward M,** Ernst E, Flach S, Nora J, Woolson R, Franciscus C, Acosta E, Pfaller M & Doebbeling B. Antimicrobial resistance trends and outbreak frequency in United States hospitals. IDSA 40<sup>th</sup> Annual Meeting, October 2002.

Doebbeling BN, Diekema DJ, **Vaughn TE, Ward MM,** Yankey JW, BootsMiller BJ, Ernst EJ, Flach SD, Pfaller MA, Franciscus CJ & Acosta E. Are US hospitals following antimicrobial resistance prevention and control guidelines? Society for Healthcare Epidemiology of America Annual Meeting, Arlington, VA, April 2003.

Doebbeling BN, **Vaughn TE,** McCoy K, BootsMiller BJ, Flach S, **Ward MM,** Franciscus CJ, Forman V & Peloso P. Dissemination of information technology in hospitals to improve quality of care. Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, April 2003.

Ernst E, Yankey J, Diekema D, Pfaller M, BootsMiller B, **Vaughn TE, Ward M,** Flach S, Franciscus C, Acosta E & Doebbeling B. Are US hospitals following national guidelines for the analysis and presentation of antibiogram data? Society for Healthcare Epidemiology of America Annual Meeting, Arlington, VA, April 2003.

Flach S, McCoy KD, **Vaughn TE,** BootsMiller BJ, **Ward MM,** Peloso P, Franciscus CJ, Tripp-Reimer T & Doebbeling BN. Can information technology reduce time pressure in the clinic? Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, April 2003.

Flach SD, **Vaughn TE**, McCoy KD, BootsMiller BJ, **Ward MM** & Doebbeling BN. Does patient-centered care improve provision of preventive services? Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, April 2003.

Flach S, Welke K, McCoy K, BootsMiller BJ, **Vaughn TE**, **Ward MM**, Perlin J & Doebbeling BN. How can we improve compliance with a congestive heart failure guideline? Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, April 2003.

Flach SD, Yankey J, Diekema D, **Vaughn T**, BootsMiller B, **Ward M**, Ernst E & Doebbeling BN. Hospitals' use of laboratory procedures to control antimicrobial resistance. Society for Healthcare Epidemiology of America Annual Meeting, Arlington, VA, April 2003.

**Helms CM**. Public health preparedness for physicians: Clinical overview. Iowa Medical Society Annual Meeting, Des Moines, IA, 2002.

**Helms CM**. Responding to the threat of bioterrorism: Lessons learned to date. Public Health Preparedness, Grand Rounds Series, Iowa ICN, 2002.

**Helms CM**. What's new in bioterrorism? 26<sup>th</sup> Annual Iowa Infection Control Seminar, Des Moines, IA, 2002.

**Helms CM**. Bioemergency preparedness and smallpox immunization planning. Meeting of the Board of Regents, State of Iowa, Iowa City, IA, 2003.

**Helms CM**. Biological warfare and bioterrorism. What goes around comes around. Triangle Club, Iowa City, IA, 2003.

**Levey S**. Public and personal health services: Prospects for a new partnership. Distinguished Faculty Lecture, College of Public Health, University of Iowa, August 2002.

Maloney R & **Altmaier EM**. Preparing health care professionals to support organ and tissue donor families: Augmenting self-efficacy. American Psychological Association Annual Meeting, Toronto, August 2003.

**Ohfeldt RL**. Economic barriers to the use of colorectal cancer screening services. Iowa Colorectal Cancer Task Force, Des Moines, IA, September 2002.

**Ohfeldt RL**, Gavin NI, Thorp J & Rossculp M. Medical care costs associated with postmenopausal estrogen-progestin therapy. European Congress on Rheumatology, Lisbon, Portugal, June 2003.

**Ohsfeldt RL**, Kreder K, Klein R & Chrischilles E. Cost-effectiveness of tamsulosin, doxazosin and terazosin in the treatment of benign prostatic hyperplasia. American Urological Association, Chicago, IL, April 2003.

**Ohsfeldt RL**, Kreder K, Klein R & Chrischilles E. Tamsulosin, doxazosin or terazosin as an initial drug therapy for benign prostatic hyperplasia: Cost-effectiveness from a payer's perspective. International Society for Pharmacoeconomics and Outcomes Research, Washington, DC, May 2003.

**Prybil LD**. Emerging issues in incentive compensation plans. Sisters of Charity of Leavenworth Health System, 2002.

**Prybil LD**. Challenges and opportunities for health administration education. Annual Leadership Conference co-sponsored by American College of Healthcare Executives & Association of University Programs in Health Administration, 2003.

Rasheed S, **Altmaier EM**, Leathers L, Lovmo C, Mahmood A, Moel J & Vats R. Redefining feminism: Perspectives from muslim and christian women. American Psychological Association Annual Meeting, Toronto, August 2003.

Rippentrop AE & **Altmaier EM**. The relationship between religion/spirituality and health outcomes in a chronic pain population. National Institutes of Health/International Center for the Integration of Health and Spirituality Conference, Bethesda, MD, April 2003.

**Schneider JE**. Economic analysis of managed care regulation in California. Western Economics Association International Annual Meeting, Seattle, WA, 2002.

Soleck G & **Altmaier EM**. Routines and rituals and functioning of families experiencing childhood cancer. American Psychological Association Annual Meeting, Chicago, IL, August 2002.

**Uden-Holman TM**. Public health workforce assessments: Results and next steps. Iowa Public Health Association, Des Moines, IA, March 2003.

**Ward MM, Wakefield DS & Ohsfeldt RL**. Leapfrog Group Standards: Implications for Iowa. Iowa Hospital Association, Des Moines, IA, May 2003.

**Westermann J** & Garloff D. Online programs in health administration from the perspective of program directors: Follow-up to a national survey. 130<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA, November 2002.

Yankey JW, Diekema D, **Vaughn T**, Ernst E, BootsMiller B, Flach S, **Ward M**, Pendergast J & Doebbeling BN. Development and validation of a novel index to compare antimicrobial resistance across types of hospitals. Society for Healthcare Epidemiology of America Annual Meeting, Arlington, VA, April 2003.

Yankey JW, **Ward MM**, Pendergast JF, Flach SD, **Vaughn TE**, BootsMiller BJ, Perlin JB & Doebbeling BN. Provider factors relating to EPRP diabetes performance. Veterans Affairs Health Services Research and Development Service 21<sup>st</sup> Annual National Meeting, Washington, DC, February 2003.



**EDUCATIONAL ACTIVITIES**  
**July 1, 2002 to June 30, 2003**

**Weekly seminars**

The Center for Health Policy and Research hosted weekly activities during the academic year. These included 10 invited seminars featuring speakers largely from outside the Center, 8 research updates and methods workshops over-viewing recent research approaches and methods by Center associates, and 5 journal club meetings to discuss timely empirical articles involving health policy and services research.

This year, these educational activities focused on themes related to the four concentration areas of the Ph.D. program. During the fall semester, the weekly activities centered on health outcomes research and methods and during the spring semester, they focused on health policy issues. Having seminars and journal club presentations focus on a single theme permitted weekly activities to build on previous sessions. Presenters and topics for these three educational series are listed on the following pages.

**INVITED SEMINAR PRESENTATIONS**  
**July 1, 2002 to June 30, 2003**

<b>Invited Speaker</b>	<b>Date</b>	<b>Title of Presentation</b>
Frank Schmidt, Ph.D. Management & Organizations University of Iowa	October 4, 2002	Principles and Methods of Meta-Analysis
James Torner, Ph.D. Department of Epidemiology University of Iowa	October 25, 2002	Preventive Intervention Center: A Resource for Intervention Evaluation
Scott Stuart, M.D. Department of Psychiatry University of Iowa	November 1, 2002	Clinical Trials: Conflicts Between Ethics and Scientific Integrity
Charles Helms, M.D., Ph.D. Department of Internal Medicine University of Iowa	November 22, 2002	The Nuts and Bolts of Performance Improvement in an Academic Medical Center – or - How to Change the Bed while You're in It!
David Fries Iowa Priority Prescription Savings Program	February 28, 2003	The Iowa Priority Prescription Savings Program: Current and Future Directions
Norma J. Hirsch, M.D., FAAP Dept of Pediatrics and Bioethics, Des Moines University Osteopathic Medical Center, and Pediatrics Department, University of Iowa	March 14, 2003	Report Card on Dying in Iowa: C-
Anthony D. Moulton, Ph.D. Public Health Law Program Centers for Disease Control	April 4, 2003	What Drives Public Health Law Reform?
James G. Hodge, Jr., JD, LL.M. Georgetown University Law Center, Johns Hopkins Bloomberg School of Public Health Center for Law and the Public's Health	April 11, 2003	Establishing a National Model for Public Health Law
Heather Adams, JD Licensing and Administrative Law Division, Iowa Attorney General's Office	April 18, 2003	Reforming Public Health Law in Iowa
Denise Hill, JD Public & Regulatory Affairs/Attorney Iowa Medical Society	April 25, 2003	Implications and Issues for Public Health Law Reform and Practice

**RESEARCH UPDATES and METHODS WORKSHOPS**  
**July 1, 2002 to June 30, 2003**

<b>Presenter</b>	<b>Date</b>	<b>Title of Presentation</b>
Rachel Anderson, Ph.D. Dept. of Health Management and Policy University of Iowa	August 30, 2002	The Systems of Care Model: An Overview of the Impact on Mental Health Services and Research Trends
Marcia Ward, Ph.D. Dept. of Health Management and Policy University of Iowa	September 6, 2002	Methods Used to Develop Evidence- Based Guidelines
Rachel Anderson, Ph.D. Dept. of Health Management and Policy University of Iowa	September 27, 2002	Method Madness: Alternatives to Experimentation in Mental Health Service Research
Marcia M. Ward, Ph.D. Dept. of Health Management and Policy University of Iowa	December 6, 2002	A Consumer's Guide to Meta-analysis in Health Outcomes
Julie Ganther, Ph.D. Clinical and Administrative Pharmacy University of Iowa	February 7, 2003	Important Policy Questions about a Medicare Drug Benefit. What Has Previous Research Told Us and What Do We Still Need to Know?
Eun Cho, Ph.D. Student Program in Pharmaceutical SocioEconomics University of Iowa	February 14, 2003	Theories and Models Related to Health Insurance Research
Sara Imhof, Ph.D. Student Dept. of Health Management and Policy University of Iowa	February 21, 2003	Examining Theories and Models in End of Life Care from a Federalist Perspective
Douglas Wakefield, Ph.D. Tanya Uden-Holman, Ph.D. Dept. of Health Management and Policy University of Iowa	March 7, 2003	Improving End-of-Life Care in Iowa: Creating Out of Hospital DNR Legislation

**JOURNAL CLUB PRESENTATIONS**  
**July 1, 2002 to June 30, 2003**

<b>Presenter and Discussion Leader</b>	<b>Date</b>	<b>Journal Article</b>
Sara Imhof, Ph.D. Student Rachel Anderson, Ph.D. Dept. of Health Management and Policy	September 20, 2002	Morse GA, Calsyn RJ, Allen G, Tempelhoff B & Smith R. Experimental Comparison of the Effects of Three Treatment Programs for Homeless Mentally Ill People. Hospital and Community Psychiatry, 43: 1005-1009, 1992
George Wehby, Ph.D. Student Robert Ohsfeldt, Ph.D. Dept. of Health Management and Policy	October 18, 2002	Manning WG, Newhouse JP, Duan N, Keeler EB, Leibowitz A & Marquis MS. Health Insurance and the Demand for Medical Care: Evidence from a Randomized Experiment. The American Economic Review, 77: 251-277, 1987
Tom Miller, Ph.D. Student Robert Ohsfeldt, Ph.D. Dept. of Health Management and Policy	November 8, 2002	Miller RH & Luft HS. HMO Plan Performance Update: An Analysis of the Literature, 1997-2001. Health Affairs, 21: 63-86, July/August 2002; Miller RH & Sullivan K. A Reply to Sullivan's Reanalysis of Managed Care Plan Performance since 1980/Response. American Journal of Public Health, 90: 984-986, June 2000; Sullivan K. Health Policy and Ethics Forum: Managed Care Plan Performance Since 1980: Another Look at 2 Literature Reviews. American Journal of Public Health, 89: 1003-1008, July 1999
Eun Cho, Ph.D. Student Julie Ganther, Ph.D. College of Pharmacy	January 31, 2003	Thomas CP, Wallack SS, Lee S & Ritter GA. Impact of Health Plan Design and Management on Retirees' Prescription Drug Use and Spending, 2001. Health Affairs, W408-W419, December 2002
Sara Imhof, Ph.D. Student Brian Kaskie, Ph.D. Dept. of Health Management and Policy	March 28, 2003	Rabow MW, Hardie GE, Fair JM & McPhee SJ. End-of-Life Care Content in 50 Textbooks from Multiple Specialties. JAMA, 283: 771-778, 2000 General Accounting Office Report, pp. 1-31, March 1989