

**Kirk T. Phillips, M.S.W., M.S., Ph.D.**  
**Curriculum Vitae**  
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**Position**

Kirk T. Phillips, PhD  
Adjunct Associate Professor  
Health Management and Policy  
College of Public Health  
University of Iowa

**Education**

Ph.D.	University of Iowa 2005 Health Informatics and Epidemiology
M.S.	University of Iowa, College of Public Health 2002 Epidemiology
M.S.W.	University of Minnesota, Duluth 1977 Social Development
B.S.	Iowa State University 1975 Psychology and Sociology

**Experience**

Senior Health Informaticist	August 2015 to present Iowa Healthcare Collaborative Des Moines, Iowa  Managing analytics and reporting systems including Hospital Engagement Network, State Innovation Models, and Transforming Clinical Practice Initiatives. The Iowa Healthcare Collaborative (IHC) is a provider-led and patient-focused nonprofit organization dedicated to promoting a culture of continuous improvement in healthcare. IHC's mission is exceptional healthcare in Iowa. IHC plays a unique role in putting healthcare providers (doctors, nurses and hospital executives) in a leadership position to drive clinical improvements and accelerate change.
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Adjunct Associate Professor  
Adjunct Instructor/Lecturer

2006 to present  
Dept of Health Management and Policy  
Dept of Epidemiology  
University of Iowa College of Public Health  
Iowa City, Iowa

Currently teaching graduate coursework in public health informatics, analytics for healthcare management, and managerial epidemiology. Providing guest lectures in use of data with health policy, management information systems and related topics. Faculty and Advisor to Interdisciplinary Graduate Program in Informatics.

Sr. Research Scientist

May 2013 to June 2014

Strategic Analytics  
UnityPoint Health  
Des Moines, Iowa

Responsible for improving patient care through the design and implementation of research for population health, quality and outcomes. Directed studies for UnityPoint Health System leadership and staff, including use of statistical methods and models to evaluate the organization, service line costs and quality of care. Supported the design and maintenance of information systems and databases for the corporation. Member of the UnityPoint Health Des Moines Institutional Review Board.

(Kirk T. Phillips, continued)

Biostatistician

September 2001 to April 2013

Center for Clinical Transformation  
Iowa Health System  
Des Moines, Iowa

Directed a health informatics team to manage clinical performance reporting and analytics for IHS leadership and improvement affinity groups. Designed systems and epidemiological studies with clinical and administrative databases. Completed ResDAC training in management of large Medicare data sets and Comparative Effectiveness Research. Advised corporate and local hospital staff members participating in a statewide provider network, regarding the design and execution of population based studies with measures of clinical outcome, process improvement and financial performance. Member of Institutional Review Board.

Adjunct Instructor/Lecturer

1996 to 2000

University of Osteopathic Medicine and Health  
Sciences  
Des Moines, Iowa

Project Coordinator

May 2000 to September 2001

Asthma Surveillance Project  
Department of Epidemiology/College of Public Health  
University of Iowa  
Iowa City, Iowa

Under sponsorship of the Centers for Disease Control, prepared an "Iowa Asthma Factbook" illustrating disease prevalence and hospitalization of asthma.

(Kirk T. Phillips, continued)

Health Management Consultant      November 1996 to March 2000

Health Management Division  
Wellmark Blue Cross and Blue Shield of Iowa  
Des Moines, Iowa

Developed a quality improvement infrastructure, engaging providers with several managed care organizations in Iowa. Collaborated with local physicians and national organizations in conducting studies to improve performance, eg. reducing waits and delays in offices, and improving treatment low back pain. Received complete training in Amisys claims processing software and developed initial specifications for conversion of all business with the corporate core team.

Medical Research Consultant      December 1990 to November 1996

Health Systems Measurement and Improvement  
McNerney Heintz, Inc.  
Des Moines, Iowa 50309

Directed research to support the operation of managed care insurance plans in the Midwest Iowa and contiguous states, monitoring and evaluating medical practice guidelines, pharmacy plan management and worker compensation. Developed scorecards for measuring the detailed performance of managed care organizations. Provided continuing education in quality improvement methods to staff and physicians.

(Kirk T. Phillips, continued)

Consultant

Iowa Medical Society (1989)  
Des Moines, Iowa

American Medical Association (1988)  
Chicago, Illinois

National Health Planning Center (1984)  
Rockville, Maryland

Southeastern Association of Health Planning and  
Development Organizations (1983 to 1985)

Institute for Health Planning (1983)  
Madison, Wisconsin

Advisor to organizations analyzing health care use,  
cost and physician practice style. This has included  
grant writing, publishing instructional materials for  
planning methodologies and facilitating medical study  
groups.

Vice President of Planning,  
Allocations and Public Policy

December 1989 to November 1990

United Way of Central Iowa  
Des Moines, Iowa

Managed a division of six professional staff to  
perform community needs assessment research,  
allocate \$6.5 million annually to human service  
organizations, provide fiscal program oversight, and  
educate donors, legislators, providers and other  
publics about human service needs.

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Director of Research and Health Policy

May 1985 to December 1989

Iowa Foundation for Medical Care  
West Des Moines Iowa

Directed the development, pricing and marketing of data products for the IFMC, Sunderbruch Corporation and contracting organizations such as the Iowa Pharmacists Association. Performed studies of medical practice in Iowa. Negotiated and wrote contracts for more than \$160,000 in one time and \$3,500 in monthly revenue.

Director of Data and Health Information Systems

May 1980 to May 1985

Health Policy Corporation of Iowa and Iowa Health Systems Agency  
Des Moines, Iowa

Performed studies about the capacity, use and cost of medical services for public and private sector clients. Established initial reports and data base for the Iowa Health Data Commission – a nationally recognized public information resource. Supervised programming staff in developing a computer-based library of health care claims, patient abstracts, facility cost information and related data in a mainframe and micro-computing environment.

Research Director

September 1977 to May 1980

Community Planning Organization  
St. Paul, Minnesota

Provided analytical support with teams performing strategic planning, social impact assessment, and program evaluation. This small organization, funded by the Northwest Area Foundation, provided technical assistance to a variety of non-profit organizations, including St. Paul Ramsey Medical Center, Legal Services, and other social service agencies.

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### **Certifications for the Treatment of Human Subjects**

“IRB 250; PRIMR review of research, conflicts of interest, unanticipated problems and adverse events, research with children and adolescents, an IND and IDE. September 28, 2007

“IRB 101; Public Responsibility in Medicine and Research”, Iowa State University September 17, 2004.

“Responsible Conduct of Research”, during the Fall semester 1998-1999, at the University of Iowa College of Medicine.

“Workshop on Human Subjects Protections” (8/8/2000) , as required for investigators, the University of Iowa and the National Institutes of Health.

### **Publications, Presentations and Professional Contributions**

Bryant GA, Koenigsfeld CF, Lehman NP, Smith HL, Logemann CD, Phillips, KT. A retrospective evaluation of response to vitamin D supplementation in community clinics. *J Pharm Pract* (In Press).

Miller MJ, Abrams MA, Earles B, Phillips K, McCleary EM. Improving patient-provider communication for patients having surgery: patient perceptions of a revised health literacy-based consent process. *J Patient Saf*. 2011 Mar;7(1):30-8.

Foote JM, Brady LH, Burke AL, Cook JS, Dutcher ME, Gradoville KM, Groos JA, Kinkade KM, Meeks RA, Mohr PJ, Schultheis DS, Walker BS, Phillips KT. Development of an evidence-based clinical practice guideline on linear growth measurement of children. *J Pediatr Nurs*. 2011 Aug;26(4):312-24. Review.

Phillips, Kirk T. Analyzing Episodes of Care in Hospital and Outpatient Settings. Workshop on Intelligent Data Analysis in Medicine and Pharmacology, Verona, Italy, July 19, 2009.

Phillips K. and Street WM. Predicting Outcomes of Hospitalization for Heart Failure Using Logistic Regression and Knowledge Discovery Methods. *Proc AMIA Symposium* 2005.

Rautiainen RH, Ledolter J, Sprince NL, Donham KJ, Burmeister LF, Ohsfeldt R, Reynolds SJ, Phillips K, Zwerling C. Effects of premium discount on Worker’s Compensation claims in agriculture in Finland. *AJIM* 48:100-109 (August, 2005).

Phillips, K. (2005). Design and Testing of a Knowledge-based System for Treatment of Heart Failure Patients in a Hospital System. *Health Informatics and Epidemiology*. Iowa City, University of Iowa: 121.

Phillips, Kirk T. Knowledge Discovery in Clinical Performance Improvement. *Medinfo* 2004. San Francisco, California September 11, 2004.

(Kirk T. Phillips, continued)

Phillips, Kirk T., Osinsky, E., Brooks, M.K., Kim, J., Delaney, C.. Reengineering an Integrated System for Hospital-based Quality Improvement/Outcomes Research. Workshop on Intelligent Data Analysis in Medicine and Pharmacology, Stanford University, Palo Alto, California September 6, 2004.

Phillips, Kirk T., Ohsfeldt, R., Voigt, M. Albumin versus Crystalloid Therapy in the Management of Hepatorenal Syndrome: A Model for using Meta Analysis in Cost Effectiveness Studies and the Design of Clinical Trials. Proc AMIA Symposium 2003; 970.

Phillips, Kirk T., Segre, M. Bayesian Classification of Respiratory Disease and Asthma with Administrative Data Sets. Annual Symposium of the American Informatics Association. San Antonio, Texas November 11, 2002.

Phillips, Kirk T., Yamani, M., Britigan, D., Gunn, J., Assouline, J. An Automated Survey Tool with Concurrent Feedback for HIV Positive Dental Patients. Annual Symposium of the American Medical Informatics Association. Washington DC, November 4, 2001.

Saleh, Shadi S., Phillips, K. T., Schootman, M., Fuortes, L. Evaluation of Medicaid status, race, and urbanicity as risk factors for asthma hospitalization. Texas Journal of Rural Health 2001; 19(1): 49-56).

Phillips, Kirk T. International Health Internship Award. An Epidemiologic Study of Occupational Injury in Finland. Farmers Social Insurance Institute (Helsinki, Finland) and Center for International Rural and Environmental Health (Iowa City, Iowa). Summer 2000.

Phillips, Kirk T., Saleh Shadi S., and Laurence Fuortes. Developing surveillance indicators from secondary data sources for asthma. Presentation to "A Public Health Response to Asthma" sponsored by Centers for Disease Control and Prevention. Atlanta GA February 15-17, 2000.

Phillips, Kirk T. Employee Productivity and Managed Care. Presentation to the Institute for Health Productivity and Management. Orlando Florida, November 16, 1999.

Phillips, Kirk T. Prevalence and Environmental Risk Factors for Asthma. Presentation to the National Center for Health Statistics, Washington DC, August 3, 1999.

Phillips, Kirk T. Conformity in Medical Care; Lessons from the Health Insurance Industry. Presentation to the 20<sup>th</sup> Annual South Carolina Worker's Compensation Medical Seminar. Savannah Georgia, March 5, 1999.

Phillips, Kirk T., and Sal Bognanni. Data Driven Strategies in Managed Care. *Pharmacy and Therapeutics*, (in press).

Briggs, Lee W., James E. Rohrer, Robert L. Ludke, Peter Hilsenrath, and Kirk T. Phillips. Geographic Variation in Primary Care Visits in Iowa. *Health Services Research*, December 1995; 30:5.



(Kirk T. Phillips, continued)

McGuire, Sheila M., Kirk T. Phillips and James Weinstein. Factors That Affect Surgical Rates in Iowa. *Spine*, November 18, 1994; 19:2038-2040.

Faculty "Fourteenth Annual Camp Lectureship: -- a scientific meeting of orthopaedic surgeons, neurosurgeons and allied health practitioners" sponsored by Camp International Inc. and the University of Iowa College of Medicine (December 1993).

Faculty "An Insuror's Perspective on Using Data Analysis for Providers: -- a continuing education seminar for physicians and allied health practitioners" sponsored by the University of Iowa, College of Medicine (November 1993).

McGuire, Sheila, Kirk T. Phillips and James Weinstein. Factors Affecting Surgical Rates in Iowa. Presented at the Eight Annual Meeting of the North American Spine Society, San Diego, CA, October 1993.

Phillips, Kirk T.. Data Driven Strategies. *PCMS Bulletin*, May/June 1993; 114-115.

Fuortes, Laurence, Kirk T. Phillips and Joann Muldoon. Traumatic Head and Spinal Cord Injury in Iowa. *Iowa Medicine*. December 1990; 80:560-562.

Phillips, Kirk T.. Small Area Variations: Microcomputer Graphics as a Tool for Implementing Changes in Medical Practices in Iowa. Presented to the 114<sup>th</sup> Annual meeting of the American Public Health Association, Las Vegas, Nevada, September 1986.

Phillips, Kirk T. and Sal Bognanni. A Methodology for Estimating Cost Savings Resulting from Reductions in Hospital Inpatient Use. Presented at the 19<sup>th</sup> National meeting of the Public Health Conference on Records and Statistics, Washington D.C., August 1983.

Phillips, Kirk T. and Sal Bognanni. Cost Savings Through Reductions in Hospital Inpatient Use. A poster presentation at the 110<sup>th</sup> Annual Meeting of the American Public Health Association, Montreal, Canada, November 1992.

Bognanni, Sal and Kirk T. Phillips. Cost Savings Through Reductions in Hospital Use. *Inquiry*, Winter 1982; 19:336-345.

Phillips, Kirk T.. A Data Dictionary of Community Corrections Information Systems. *Journal of Human Services Abstracts*, Project Share, May 1978.

Phillips, Kirk T., et al.. Silver Bay – The Price of Indecision. Clearinghouse Press of the Minnesota Public Interest Research Group, 1977.

## **Professional and Community Service**

Member, Scientific Program Committee – 2012 Annual Meeting of the American Medical Informatics Association (Washington, D.C.) October 2011 to December 2012.

Reviewer, Journal of Biomedical Informatics, Elsevier (Amsterdam, The Netherlands), 2006 to present.

Co-Chairman, IDAMAP 2010 – A Colloquium on Intelligent Data Analysis in Biomedicine and Pharmacology (Washington, D.C.) October 2010.

Secretary, Knowledge Discovery and Data Mining Work Group – American Medical Informatics Association (Washington, D.C.) December 2008 -- present.

Chairman, Knowledge Discovery and Data Mining Work Group – American Medical Informatics Association (Washington, D.C.) January 2006 – December 2008.

Member, Council on Health Information – Iowa Hospital Association (Des Moines, Iowa), December 2006 to June 2014.

Board Member, Institutional Review Board #1: Iowa Health – Des Moines/ Iowa Health System (Des Moines, Iowa), 2003 to 2014.

Cantor and instrumental musician, St. Mary's Catholic Church (Iowa City, Iowa), 1995 to present.

Chairman of Advisory Committee for the Prevention of Developmental Disabilities, Iowa Office of Disability Prevention and U.S. Centers for Disease Control (Des Moines, Iowa), 1991 to 1993.

Committee Member, Traumatic Injury Prevention Strategies (Des Moines, Iowa), 1991 to 1996.

Board Member, Hospice of Central Iowa (Des Moines, Iowa), 1991 to 1993.

Board Member, School Board of The Catholic Diocese for Southwest Iowa (Des Moines, Iowa), 1989 to 1991.

Board Member, United Way of Central Iowa (Des Moines, Iowa), 1986 to 1989.

Board Member and Chairman, Southside YMCA (Des Moines, Iowa), 1983 to 1986