

Susan M. Farner

Susan M. Farner, Ph.D., MT(ASCP)

Home: 1806 S. Anderson St.
Urbana, Illinois 61801

Degrees: Ph.D. Community Health Policy, 1996-2000
University of Illinois, Urbana-Champaign, Illinois
Dissertation: *Clinical Practice Guidelines as a Management Tool
for Antibiotic Resistance in Streptococcus pneumoniae.*

M.S. Health Education, 1987
Illinois State University, Normal, Illinois

B.S. Medical Technology, 1971
University of Illinois at the Medical Center, Chicago, Illinois

Employment: Teaching Associate UIUC 2002-present
Community Health Department
Visiting Lecturer UIUC 2000-2002
Community Health Department
Director of Research and Continuing Education
Central Illinois Neuroscience Foundation 1999-2003
Supervisor of Clinical Pathology Laboratory
College of Veterinary Medicine-UIUC 1995-1999
Laboratory Supervisor
Stroink Pathology Laboratories 1971-1995

Research

Interest: Education interventions and surveillance for antibiotic resistance
Factors beyond medical care affecting patient health
Rural Health
International Health

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Academic

Service: Adjunct Professor, Illinois State University, 2000 to present
Computer Committee, 1996-1999
Quality Assurance/Quality Control Committee, Chair, 1999
Safety Committee, 1997-1998 for the Diagnostic
Laboratory at the College of Veterinary Medicine, U of I
Student Advisory Committee for Student Health Service
University of Illinois, Urbana-Champaign, 1998-1999

**Professional
Experience
And Training**

Outcomes Research Training, University of Minnesota, 2001.
Performed laboratory testing under Good Laboratory Practices for FDA
Research. Trained in Good Laboratory Practice Protocols 1996-1999
Laboratory Manager, Medical Clinical Laboratory, 1976-1995

**Community
Service:**

Operation Heartbeat-American Heart Association, McLean Co 2000 to 2003
Operation Stroke-American Heart Association, McLean Co 2001 to 2003
Chair of Community Education Committee
Member Steering Committee
Stroke Improvement Committee-BroMenn Regional Medical Center,
Bloomington, IL 2000 to 2003
IPLAN Committee of McLean Co Health Department 2000 to present
Chair to Subcommittee on Cerebrovascular/Cardiovascular disease
affecting the low income, minority and elderly population
Organized health screening and information for Cultural Festival 2001
Participant in Graduate Medical Education Committee for Osteopathic
Neurosurgery Residency Program at BroMenn Regional Medical Center,
Bloomington, IL 2002- present
Referendum for Champaign County Health Department 1997-1999

Publications

Halpin, M, Farner S, Notaro S, Seibold S, McGloughlin P, Bosecker N, Farner
An Evaluation of the University of Illinois Extension Get Up & Move!
Program. *Journal of Youth Development*. Spring 2009 (4).

Farner S, Brown E. College Students and the Work World. *Journal of
Employment Counseling*. 2008;45(3):108-114.

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Farner, S., Notaro, S. (2006) Impact of a college course on perceptions of terrorism preparedness activities. *American Journal of Health Studies*, 21, 127-141.

Farner S, Farner B, Cutz G, Seibold S, Abuchar V.(2006, August) Running successful Extension camps for Hispanic children: From program planning to program delivery for a 1-week day camp. *Journal of Extension*. 44, Article 4FEA4. Retrieved from <http://www.joe.org/joe/2006august/a4.shtml>.

Farner, S. (2006). Use of local community hospital data for surveillance of antimicrobial resistance. *Infection Control and Hospital Epidemiology*, 27,299-301.

Farner, S., Rhoads, M. E., Cutz, G., & Farner, B. (2005, August). Assessing the educational needs and interests of the Hispanic population: The role of Extension. *Journal of Extension*, 43, Article 4RIB2. Retrieved from <http://www.joe.org/joe/2005august/rb2.shtml>

Solter, P., Farner, S.M., Correlation of two nonradioactive immunoassays to a radioimmunoassay. *Journal of Veterinary Diagnostic Investigation*, 2000; 12:51-56

Presentations and Posters

Ayala, M., Farner, S., (2010, April) *Evaluating consumer medication information from a health literacy perspective*. Poster presented at the Undergraduate Research Symposium, Urbana, IL.

Farner, S., Ayala, M., (2010, April) *Evaluating consumer medication information from a health literacy perspective*. Paper presented at the meeting of the Illinois Rural Health Association, Effingham, IL.

Farner, S., Parrot, E., Heberer, M. (2010, March) *Assist rural residents applying for government assistance programs*. Paper presented at the 6th Annual Rural Public Health Institute, Effingham, IL.

Loggins, S. & Farner, S. (2009, November) *Examining infant mortality disparities among ethnicities*. Paper presented at the meeting of American Public Health Association, Philadelphia, PA.*

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Holmes, C. & Farner, S. (2009, November) *Can you successfully implement a coordinated school health program into a rural community?* Paper presented at the meeting of American Public Health Association, Philadelphia, PA. *

Farner S, Downs M (2008, July) *Johnson County at the Table: An Inquiry into Food Acquisition and Rural Quality of Life.* Presentation at the Rural Sociological Society Annual Meeting, Manchester, NH.

Underserved Populations and Preparedness: Challenges and Successes.
Session participant at: Illinois Rural Public Health Institute, February 2008; Effingham, IL.

Downs M, Farner S (2008, April) *Johnson County at the Table: Distance to Food Sources and Implications for Food Security and Nutritional Health.* Poster presented at the meeting of the Illinois Rural Health Association, Bloomington, IL. (Michelle Downs received Student Poster Award).

Farner, S (2008, January) *Learning by Doing: Personal Health Behavior Change.* Annual Faculty Retreat, University of Illinois, Urbana, IL.

Farner, S (2008, March) *The Real Truth About Downstate Illinois.* Urban Health Program Health Care Disparities Series, College of Medicine, Urbana, IL.

Farner, S (2007, May) *Practice Patterns for the Treatment of Acute Otitis Media.* Poster presented at the meeting of the National Rural Health Association, Anchorage, AK.

Farner, S (2007, September) *Student Wellness as Part of a Coordinated System.* Round table discussion at the meeting of Physical Activity in Contemporary Education, Urbana, IL.

Farner S (2007, May) *Emergency Medical Services in Rural Illinois.* Poster presented at the meeting of the Illinois Rural Health Association, Effingham, IL.

Farner S, Vanduyne L. (2006, November) *Barriers to Implementation of Treatment Guidelines for Acute Otitis Media.* Paper presented at the meeting of the American Public Health Association, Boston, MA.

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Chan C, Farner S. (2006, November) *Impact of a Mobile Dental Clinic on the Overall Quality of Life of Underserved Populations*. Paper presented at the meeting of the American Public Health Association, Boston, MA

Farner S, Farner B. (2006, July) *Development of Food Records for Improved Reporting and Analysis for Patients with Diabetes*. Poster presented at the meeting of the Society For Nutrition Education, San Francisco, CA.

Farner, S., & Notaro, S. (2005, May) *Terrorism in Rural Illinois*. Poster presented at the meeting of the National Rural Health Association, New Orleans, LA.

Siebold, S., Cutz, G., Farner, B., & Farner, S. (2005, November) *Building Social Capital Through Fun, Food, and Friends Hispanic Summer Camp*. Paper presented at the meeting of the National Association of Extension 4-H Agents, Seattle, WA.

Farner, S. (2006, April) *Health Literacy in Rural Illinois*. Roundtable presented at the meeting of the Illinois Rural Health Association, Bloomington, IL.

Farner, S. (2006, April) *Access to Medical Care in Rural Settings in Illinois by Minority Populations Diagnosed with Diabetes*. Paper presented at the Research Presentation Regarding Rural Health Disparities, sponsored by the Project Export Training Core, University of IL at Rockford, Champaign, IL.

Snyder, G., Notaro, S., & Farner, S. (2005, July) *Strategic National Stockpile Exercise*. Workshop presented at the Bioterrorism Summit meeting sponsored by the Illinois Department of Public Health, St. Charles, IL.

Snyder, G., Notaro, S., & Farner, S. (2005, July) *Strategic National Stockpile Exercise*. Workshop presented at the University of Illinois Chicago, summer Institute, Illinois Beach, IL.

Farner, S.M., Nyhan, L., Bartoli, K., Procedure changes to improve participation in Illinois Breast and Cervical Cancer Program. Oral presentation American Public Health Association, Washington, D.C., November 9, 2004.

Farner, S.M., Abuchar, V., Rhoads, M.E., Nutrition education to facilitate prevention and control of diabetes in the Hispanic population. Poster presentation American Public Health Association, Washington, D.C., November 8, 2004.

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- Farner, S.M., Djavid, E., Patient attitudes and behaviors at public health dental clinics. Round table presentation American Public Health Association, Washington, D.C., November 8, 2004.
- Farner, S.M., Nguyen, M., Elder mistreatment awareness in a rural Illinois community. Poster presentation American Public Health Association, Washington, D.C., November 8, 2004.
- Desai, B., Farmer-Dougan, V., Farner, S.M., et al, Behavioral assessment of induced cerebral ischemia: Type of induction but not size or location matters. Poster presentation Association of Behavior Analysis, San Francisco, CA, May 26, 2003.
- Bradham, K., Farmer-Dougan, V., Farner, S.M., et al, Avoidance of fox urine as a behavioral test for investigating effects of induced cerebral ischemia. Poster presentation Association of Behavior Analysis, San Francisco, CA, May 26, 2003.
- Kattner, K.A., Farner, S.M., et al, Assessment of cerebral edema by T2 MRI during intermittent reperfusion using the intraluminal thread model in rats. Poster presentation American Association of Neurological Surgeons, Phoenix, AZ, February 16, 2003.
- Farner, S.M., Increase awareness in the elderly population of available health care related services in a Midwestern county. Oral presentation National APHA meeting, Philadelphia, PA., November 12, 2002.
- Farner, S.M., Reactions of underclassmen at a Midwestern university to the terrorist attacks of September 11, 2001. Oral presentation National APHA meeting, Philadelphia, PA, November 11, 2002.
- Kattner, K.A., McCollom, B., Farner, S.M., Intracranial hemorrhagic complications of warfarin therapy: Factors associated with functional outcomes. Poster presentation Congress of Neurosurgery, Philadelphia, PA, September, 2002.
- Kattner, K.A., Dillon, S, Farner, S.M., Assessment of cerebral edema by T2 MRI following temporary middle cerebral artery occlusion using the intraluminal thread model in rats. Poster presentation Congress of Neurosurgery, Philadelphia, PA, September, 2002.

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Kattner, K.A., McCollom, B., Farner, S.M., Stroink, A.R., Intracranial Hemorrhagic Complications of Warfarin Therapy: Factors Associated with Functional Outcome. 2nd International Mt. Bandai Symposium for Neuroscience, Oct 27th, 2001, Koriyama, Fukushima, Japan.

“Antibiotic Resistance in Streptococcus pneumoniae”, Presentation at the Illinois Society of American Medical Technologists, Illinois State University, Normal, IL, May, 2000.

Invited speaker, Division of Epidemiology, Department of Veterinary Pathobiology, College of Veterinary Medicine, University of Illinois. “Antibiotic Resistance Levels in Streptococcus pneumoniae in east central Illinois”, December, 1999.

“Clinical Practice Guidelines as a Management Tool for Antibiotic Resistance in Streptococcus pneumoniae”, Colloquium Presentation, Department of Community Health, Department of Applied Life Sciences, University of Illinois, Urbana, IL, November, 1999.

“Addressing the Problem of Bacterial Resistance to Antimicrobial Agents and the Need for Surveillance” Resolution accepted for presentation at the American Public Health Association meeting, Chicago, Illinois, November, 1999.

“Streptococcus pneumoniae Resistance Patterns”, Presentation at the Illinois Clinical Laboratory Science Association meeting, Peoria, Illinois, April, 1999.

“Antibiotics in Animal Feeds”, poster at the American Public Health Association Meeting, Washington, D.C., November, 1998.

“Comparison of Antibiotic Prescribing Patterns of Physicians working under the National Health Service (UK) and HMO in the Midwestern, USA”, presentation at the American Public Health Association Meeting, Indianapolis, Indiana, November, 1997.

“Bacterial Resistance to Antibiotics-Evaluation of Resistance and Difference in the Development in Two Locations”, poster at the American Public Health Association Meeting, Indianapolis, Indiana, November, 1997.

“Immulate Evaluation”, presentation at the Midwest Clinical Ligand Assay

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Society, Detroit, MI., 1993

“Total Quality Management”, presentation at the Illinois Society of Clinical Laboratory Technologists, Bloomington, IL., 1992

“Nutritional Assessment by Laboratory Tests”, presentation at the Illinois Association of Dietitians, Normal, IL., 1992

“OSHA Regulations for the Medical Laboratory”, presentation at the Illinois State Society of American Medical Technologists, Bloomington IL., 1992

**National
Committees:**

Reviewer for abstracts for the Epidemiology Section of the American Public Health Association 2002-2007

Moderator two sessions National APHA meeting, Nov, 2002, Nov 2006

Reviewer for Late Breaker Abstracts for Epidemiology Section of the American Public Health Association 2000, 2004

Task Force: Public Health and Managed Care, American Public Health Association. Conference attendee: “Developing a Research Agenda for Public Health and Managed Care”, September, 2000

**Professional
Affiliations:**

Rural Sociological Society	2008-present
American Public Health Association	1996-present
Illinois Rural Health Association	2000-present
Board Member	2006-2009
EMS Task Force	2004-present
Policy and Legislative Committee	2001-present
Alliance for the Prudent Use of Antibiotics	1998-present
Alliance for Continuing Medical Education	2001-2003
Illinois Alliance for Continuing Medical Education	2000-2003
Board Member	2001-2003

Research:

Multicenter Trials: *Management* An acute stroke study in ischemic stroke: A double-blinded, parallel-group, multi-national, multi-center study of the efficacy and safety of an i.v. neuroprotective agent compared to placebo in patients with acute ischemic stroke.

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A prospective, randomized, multi-center investigation of the safety and efficacy of a cervical device.

A double-blind, placebo controlled, safety, efficacy and dose response trial of three intravenous doses of a neuroprotective agent (maxi-K channel opener) in patients with acute stroke.

Comparison of autograft to a demineralized bone matrix combined with autograft used in posteriolateral lumbar spinal fusion.

Phase II treatment of adults with newly diagnosed primary malignant glioblastoma multiforme with Temodar (chemotherapy agent).

Clinical Outcomes: Sacroiliac Stabilization Outcome Study- to determine the functional outcome and effectiveness of sacroiliac joint surgical stabilization over a 5-year time span.
Design and Management

Kyphoplasty Outcome Study-to determine the functional outcome and effectiveness of balloon kyphoplasty procedure.

Management of depression and sleeping disorders in patients undergoing treatment for brain tumors (Funded by Pfizer Pharmaceuticals)

Antibiotic resistance in *Streptococcus pneumoniae*-continuation of previous research for dissertation. (Funded by Roche Pharmaceuticals). Student in microbiology from Eastern Illinois University will assisted as part of internship program.

The effects of decadron on nausea and vomiting following anterior cervical fusion surgery.

Preclinical Research
Design and

Development of model for stroke in Sprague-Dawley rats. Determine edema development under different experimental conditions by comparing histological sections and MRI. This study is in collaboration with Illinois

Management

State University Biology Department. There are four master degree students and five undergraduate students involved in the project.

Grants

Principal Investigator

Engaging Pre-Healthcare Professional students in a Culture of Quality Care for patients in the US

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Healthcare system. This is a project to introduce students to the theories of quality of care in the healthcare system to stimulate interest and concern in their future careers. Funded by the Center for

Professional Responsibility in Business and Society, College of Business, University of Illinois.

Dates of award: June, 2008-May 2009 Total Award: \$4,120.

Principal Investigator

Development and Evaluation of Terrorism Tabletop Exercises for Rural Counties (IDPH 47101114).

This study is a developmental project to prepare tabletop exercises specific for rural counties to assess preparedness for terrorism. The basis of the exercise is a bacterial agent. Funded by the Illinois Department of Public Health.

Dates of award: 1/01/04-8/01/04 Total Award: \$96,543.

Co-Investigator

The Chicago Food System: Diet, Hunger, and Sustainable Agriculture

This project is to develop a university course to bring students into Chicago to work with various agencies that provide food and assistance to low income families. Funded by the Partnership Illinois Grant at the University of Illinois

Dates of award: 7/01/04-06/01/05 Total Award: \$15,000

Co-Investigator

Educational Program for Hispanic Patients Diagnosed with Diabetes. This project is in conjunction with the McLean County (Illinois) Department of Public Health IPLAN committee to develop and present six educational sessions to the Hispanic population of McLean County to address the issues of diabetes and nutrition. Funded by the Stafford Grant through the Illinois Prairie Community Foundation.

Date of award: 7/01/04-06/01/04. Total amount: \$1770.

Principal Investigator

Development and Evaluation of Terrorism Tabletop Exercises for Illinois Counties -- Specifically Exercising the Strategic National Stockpile.(IDPH 57101006)

This is another grant from IDPH to develop a second tabletop exercise.

Dates of Award: 1/01/05-8/01/05 Total Award: \$93,000.

Principal Investigator

Health Care Disparities in Rural Areas of IL for Underserved Populations Diagnosed with Diabetes. This is a grant through the EXPORT project of the University of Illinois Medical School in Rockford. The project includes three counties and will assess the medical care provided and the health literacy of underserved populations. This project will involve Extension and local health departments in the counties.

Dates of Award: 9/1/2005-8/30/2006. Total Award: \$56,000.

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Honors, Awards, Recognition

Campus Award: Excellence in Undergraduate Teaching—Instructional Staff 2006

College Award: Excellence in Undergraduate Teaching 2006

Diversity Award: College of Agricultural, Consumers and Environmental Sciences 2005

Community Award: American Heart Association Hero Award for Service 2005

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