

CURRICULUM VITAE

Name: Linnea A. Polgreen

Address: Department of Pharmacy Practice and Science
University of Iowa
115 S. Grand Ave.
Iowa City, IA 52242
e-mail: linnea-polgreen@uiowa.edu

Phone: Work: (319) 384-3024
Home: (319) 466-0924

Education: B.S. – Mathematics, 1991; Wheaton College, Wheaton, IL
M.A. – Economics, 2000; University of Iowa, Iowa City, IA
Ph.D. – Economics, 2004; University of Iowa, Iowa City, IA

Fellowships and Awards: Outstanding Teaching Assistant Award (Dept. of Economics), 2002
Finalist, Outstanding Teaching Assistant Award (University of Iowa), 2003
Conference Presentation Award, University of Iowa, 2004
Finalist, Upjohn Dissertation Award, 2005

Employment: **Department of Pharmacy Practice and Science, University of Iowa, Iowa City, IA**

Associate, Division of Health Sciences Research
2007 – 2011

Assistant Professor, Division of Health Sciences Research
2011-- present

Department of Economics, University of Iowa, Iowa City, IA

Instructor
Summer 2004 – Labor Economics

Assistant Adjunct Professor
Spring 2005 – Principles of Microeconomics
Fall 2005 – Principles of Macroeconomics

Visiting Assistant Professor
Spring 2006 – Principles of Macroeconomics

Publications (in Econlit)

Polgreen LA, Simpson NB. Recent Trends in the Skill Composition of Legal U.S. Immigrants. *Southern Economic Journal*, April 2006, 72(4): 938-57.

Polgreen PM, Pottinger J, Polgreen LA, Diekema DJ, Herwaldt LA. Influenza vaccination rates, feedback and the Hawthorne effect. *Infection Control Hospital Epidemiology*. January 2006, 27(1): 98-9.

Polgreen LA, Silos P. Capital-Skill Complementarity and Inequality: A Sensitivity Analysis. *Review of Economic Dynamics*, April 2008, 11(2): 302-13.

Kramer JR, Chan G, Dick DM, Kuperman S, Bucholz KK, Edenberg HJ, Polgreen LA, Hesselbrock VM, Schuckit MA, Nurnberger JI, Kapp ES, Porjesz B, Bierut LJ. Multiple-domain predictors of problematic alcohol use in young adulthood. *Journal on Studies of Alcohol and Drugs*. September 2008, 69(5): 649-59.

Polgreen LA, Silos P. Crude Substitution: The Cyclical Dynamics of Oil Prices and the Skill Premium. *Journal of Monetary Economics*, April 2009, 56(3): 409-18.

Ionescu FA, Polgreen LA. A Theory of Brain Drain and Public Funding for Higher Education in the United States. *American Economic Review*, May 2009, 99(2): 517-21.

Polgreen PM, Polgreen LA, Evans T, Helms C. A statewide system for improving influenza vaccination rates in hospital employees. *Infection Control Hospital Epidemiology*. May 2009, 30(5): 474-8.

Kramer JR, Chan G, Kuperman S, Bucholz KK, Edenberg HJ, Schuckit MA, Polgreen LA, Kapp ES, Hesselbrock VM, Nurnberger JI, Bierut LJ. A comparison of diagnoses obtained from in-person and telephone interviews, using the semi-structured assessment for the genetics of alcoholism (SSAGA). *Journal on Studies of Alcohol and Drugs*. July 2009, 70(4): 623-7.

Earle CC, Chretien Y, Morris C, Ayanian JZ, Keating NL, Polgreen LA, Wallace R, Ganz PA, Weeks JC. Employment among survivors of lung cancer and colorectal cancer. *Journal of Clinical Oncology*. April 2010, 28(10): 1700-5.

Polgreen LA, Mott DA, Doucette WR. An examination of pharmacists' labor supply and wages. *Research in Social and Administrative Pharmacy*. December 2011, 7(4): 406-14.

Helms C, Polgreen P, Polgreen L, Evans T, Roberts LL, Clabaugh G, Quinlisk P. Voluntary reporting of employee influenza vaccination rates by acute care hospitals in Iowa: the impact of a four year provider-based statewide performance improvement project. *Vaccine*. April 2011, 29(18): 3483-8.

Polgreen LA, Simpson NB. Happiness and International Migration, *Journal of Happiness Studies*, October 2011, 12(5): 819-840.

Polgreen LA, Brooks JE. Comparisons of Marginal Effects in Linear Cost Models with Skew, *Applied Health Economics and Health Policy*, Sep 2012;10(5):319-29.

Polgreen PM, Sparks JD, Polgreen LA, Yang M, Harris ML, Pentella MA, Cavanaugh JE. A statewide outbreak of Cryptosporidium and its association with the distribution of public swimming pools. *Epidemiology and Infection*. August 2012;140(8):1439-45.

Beadle JN, Paradiso S, Kovach C, Polgreen L, Denburg NL, Tranel D. Effects of age-related differences in empathy on social economic decision-making. *International Psychogeriatrics*. January 2012, 12: 1-12.

Goedken AM, Urmie JM, Polgreen LA. Factors Related to Receipt of Well-Child Visits in Insured Children. *Maternal and Child Health Journal*. April 2014; 18(3):744-54.

Miller AC, Polgreen LA, Polgreen PM. Optimal Screening Strategies for Healthcare Associated Infections in a Multi-Institutional Setting. *PLOS Computational Biology*. January 2014;10(1):e1003407.

Simmering JE, Polgreen LA, Cavanaugh JE, Polgreen PM. Are Well-child Visits a Risk Factor for Subsequent Influenza-Like-Illness Visits? *Infection Control Hospital Epidemiology*, March 2014; 35(3):251-6.

Simmering JE, Polgreen LA, Polgreen PM. Web Search Query Volume as a Measure of Pharmaceutical Utilization and Changes in Prescribing Patterns, *Research in Social and Administrative Pharmacy*, 2014;10(6):896-903.

Anthony CA, Polgreen LA, Chounramany J, Foster ED, Goerdts CJ, Miller ML, Suneja M, Segre AM, Carter BL, Polgreen PM. Outpatient Blood Pressure Monitoring using Bi-directional Text Messaging. *Journal of the American Society of Hypertension*, 2015 May;9(5):375-81.

Polgreen LA, Cook EA, Brooks JE, Polgreen PM. Do Statins Protect Against Pneumonia? *Clinical Infectious Diseases*, 2015 Jun 15;60(12):1760-6.

Polgreen LA, Tang F, Suneja M, Carter BL, Polgreen PM. The Increasing Trend in Admissions for Malignant Hypertension and Hypertensive Encephalopathy. *Hypertension*, 2015 May;65(5):1002-7.

Simmering JE, Polgreen LA, Campbell DR, Cavanaugh JE, Polgreen PM. Hospital transfer network structure as a risk factor for Clostridium difficile infection, *Infection Control Hospital Epidemiology*, 2015; June 15:1-7 [Epub ahead of print].

Carter BL, Levy BT, Gryzlak B, Chrischilles EA, Vander Weg MW, Christensen AJ, James PA, Moss CA, Parker CP, Gums T, Finkelstein RJ, Xu Y, Dawson JD, Polgreen LA. A centralized cardiovascular risk service to improve guideline adherence in private primary care offices. *Contemp Clin Trials*, 2015 July;43:25-32.

Carter BL, Coffey CS, Chrischilles EA, Ardery G, Ecklund D, Gryzlak B, Vander Weg MW, James PA, Christensen AJ, Parker CP, Gums T, Finkelstein RJ, Uribe L, Polgreen LA. A Cluster-Randomized Trial of a Centralized Clinical Pharmacy Cardiovascular Risk Service to Improve Guideline Adherence. *Pharmacotherapy*, 2015 July; 35(7):653-62.

Goedken AM, Urmie JM, Polgreen LA. Provider Visits for Asthma: Potential Barriers for Insured Children, forthcoming in the *Global Journal of Health Science*, December 2014.

Miller AC, Polgreen LA, Cavanaugh JE, Polgreen PM. Clostridium Difficile Infection (CDI) Rates Predict Length of Stay in Patients without CDI, submitted to *Infection Control Hospital Epidemiology*, July 2015.

Polgreen LA, Han J, Carter BL, Ardery GP, Coffey CS, James PA. Cost effectiveness of a physician-pharmacist collaboration to improve blood pressure control: a randomized trial, revised and resubmitted to *Hypertension*, August 2015.

Miller AC, Polgreen LA, Cavanaugh JE, Polgreen PM. Hospital CDI Incidence as a Risk Factor for Hospital Associated CDI, submitted to *Infection Control Hospital Epidemiology*, June 2015.

Tuberculosis Unseen: Missed Opportunities in Diagnosis, with Aaron Miller, Philip Polgreen and Joseph Cavanaugh, *submitted to Clinical Infectious Diseases*, July 2015.

Book Reviews

Review of *Measuring Efficiency in Health Care* by Rowena Jacobs, Peter C. Smith, Andrew Street, *Journal of the American Statistical Association*, September 2007.

Review of *Economics and Preventing Healthcare Acquired Infection* by Nicholas Graves, Kate Halton and William Jarvis, *Doody Review Service Weekly Literature Updates*, September 2009.

Working Papers

Declining Rates of Abuse During Pregnancy, with Aaron Lowen and Audrey Saftlas, July 2015.

Discount Rates and HIV, with Jeffery Meier, Philip Polgreen and Elena Segre, July 2013.

Health Insurance and the Skill Premium, with Anson Ho, August 2015.

Peer Effects and Influenza Vaccination Among Healthcare Workers, with Donald Curtis, Sriram Pemmaraju, Alberto Segre, and Philip Polgreen, April 2015.

Length of Institutional Stay for AMI Patients and Subsequent Health and Costs, with John Brooks and Beth Cook, May 2015.

Examining Racial Disparities in ACE/ARB Treatment using Oaxaca Decomposition, with Yuexin Tang, Mary Schroeder, Elizabeth Cook and Manish Suneja, June 2015.

Letters to the Editor

Polgreen LA. Pharmacist earnings by gender: A small gap or a big issue? *Research in Social and Administrative Pharmacy*, July-August 2012; 8(4):272-3.

Polgreen LA, Polgreen PM. Editorial commentary: forecasting when, where, and possibly why outbreaks are likely to occur. *Clinical Infectious Diseases*. 2013 Feb;56(4):525-6.

Presentations

Polgreen LA. Migration and Wages, Midwest Economic Association Meetings, Chicago, IL, March 2004.

Silos P, Polgreen LA. Measurement Issues and the Capital-Skill Complementarity Hypothesis, Midwest Macroeconomic Meetings, Ames, IA, May 2004.

Polgreen LA. Public Funding for Higher Education: The Role of Out-Migration, Midwest Economic Association Meetings, Milwaukee, WI, March 2005

Polgreen LA, Simpson NB. Happiness and Emigration, Midwest Economic Association Meetings, Minneapolis, MN, March 2007.

Polgreen LA, Ionescu FA. Brain Drain and Public Funding for Higher Education. Midwest Economic Association Meetings, Chicago, IL, March 2008.

Polgreen LA, Brooks JB. Estimation Comparisons of Linear Cost Models with Skew, American Society of Health Economists Meeting, Durham, NC, June 2008.

Ionescu FA, Polgreen LA. A Theory of Brain Drain and Public Funding for Higher Education in the U.S., American Economic Association Meetings, San Francisco, CA, January 2009.

Simpson NB, Polgreen LA. Happiness and International Migration, American Economic Association Meetings, San Francisco, CA, January 2009.

Doucette W, Mott D, Polgreen LA. Pharmacist Labor Supply (Poster), American Pharmacists Association Annual Meeting and Exposition, San Antonio, TX, April 2009:

Johnson SJ, Ernst EJ, Polgreen LA, Paulsen J,. The 'Black Box Effect' on the Prescribing Patterns of Fluoroquinolones Following Orthopedic Surgery(Poster), American Pharmacists Association Annual Meeting and Exposition, Washington, D.C., March 2010.

Polgreen LA. A Dynamic Model of Brain Drain and Public Funding for Higher Education, Houston Higher Education Roundtable, Houston, TX, May 2010.

Helms C, Polgreen PM, Polgreen LA, Evans T. Improving Influenza Vaccination Rates in Iowa Hospital Healthcare Workers: Results of a Statewide, Provider-Based Improvement Effort, National Immunization Conference, Atlanta, GA, April 2010.

Helms C, Polgreen PM, Polgreen LA, Evans T. Improving Influenza Vaccination Rates in Iowa Hospital Healthcare Workers: Results of a Statewide, Provider-Based Improvement Effort, Council of State and Territorial Epidemiologists, Portland, Oregon, June 2010.

Curtis D, Pemmaraju S, Segre AM, and Polgreen PM. Social Networks and Influenza Vaccination in Healthcare, American Society of Health Economists Biennial Meeting, Ithaca, NY, June 2010.

Fries JA, Segre AM, Polgreen LA, Polgreen PM. The Use of Craigslist Posts for Risk Behavior and STI Surveillance, 9th Annual Conference of the International Society for Disease Surveillance, Park City, UT, December 2010.

Simmering JE, Yang C, Foster E, Polgreen LA, Polgreen PM. Adverse drug events: 'Insights' from Google search volume, 10th Annual Conference of the International Society for Disease Surveillance, Atlanta, GA, December 2011.

Yang C, Simmering JE, Srinivasan P, Polgreen LA, Polgreen PM. Early detection of adverse drug events using the full text of letters to the editor, 10th Annual Conference of the International Society for Disease Surveillance, Atlanta, GA, December 2011.

Miller AC, Polgreen PM, Polgreen LA. Game-theoretic surveillance approaches for hospital-associated infections, 10th Annual Conference of the International Society for Disease Surveillance, Atlanta, GA, December 2011.

Polgreen LA, Lowen A, Saftlas A. Declining Rates of Abuse During Pregnancy: An Economic Paradox? (poster) American Society of Health Economists Biennial Meeting, Minneapolis, MN, June 2012.

Polgreen LA, Meier J, Polgreen PM, Segre E. Using Discount Rates to Predict HIV Treatment Adherence (poster), American Society of Health Economists Biennial Meeting, Minneapolis, MN, June 2012.

Polgreen LA, Ho AYT. Health Insurance and the Skill Premium, American Society of Health Economists Biennial Meeting, Minneapolis, MN, June 2012.

Simmering JE, Miller AC, Urick B, Polgreen LA. Using web search data to measure diffusion of information after changes in pharmaceutical knowledge. APhA, New Orleans LA, March 2012.

Simmering JE, Polgreen LA, Polgreen PM. Not So Well Children: Temporal Association of Well-Child Visits and Influenza-like Illness. 4th Biennial Conference of the American Society of Health Economists, Minneapolis, MN, June 2012.

Miller AC, Polgreen LA. Spontaneous Emergence of Generic Medication Aversion. The 4th Biennial Conference of the American Society of Health Economists, Minneapolis, MN, June 2012.

Simmering JE, Polgreen LA, Polgreen PM. Using Search Volume for the Surveillance of Medication Prescribing. International Society for Disease Surveillance Conference, San Diego, CA, December 2012.

Ho AYT, Polgreen LA. Health Insurance and the Skill Premium. 46th Annual Conference of the Canadian Economic Association, Calgary, Alberta, Canada, June 2012.

Polgreen LA. Specialists, Costs and Outcomes: An Instrumental Variables Approach, University of Cincinnati, July 31, 2012.

Polgreen LA, Ho AYT. Health Insurance and the Skill Premium, Allied Social Science Association Meeting, San Diego, CA, January 6, 2013.

Shao C, McQuistan M, Hedgcock W, Polgreen LA, Straub-Morarend C, Askelson NM. Temporal Discounting, Risk Aversion and Dental Decisions (poster), 60th Annual Meeting of the Iowa Section of the American Association for Dental Research. University of Iowa College of Dentistry, Iowa City, IA, February 19, 2013.

Miller AC, Polgreen LA, Polgreen PM. Estimating the effect of *Clostridium difficile* infection on hospital length of stay: how much does the statistical method matter? IDWEEK, San Francisco, CA, October 5, 2013.

Simmering JE, Polgreen LA, Polgreen PM. Hospital transfer network structure as a risk factor for *C. difficile* infections. IDWEEK, San Francisco, CA, October 5, 2013.

Polgreen LA, Cook EA, Polgreen PM. Do Statins Protect Against Pneumonia? 5th Biennial Conference of the American Society of Health Economists, Los Angeles, CA, June 23, 2014.

Polgreen LA, Brooks JM, Cook EA, Welch S. Does length of stay and institutional mix for AMI patients affect subsequent health and costs? 5th Biennial Conference of the American Society of Health Economists, Los Angeles, CA, June 23, 2014.

Simmering JE, Polgreen LA, Cavanaugh JE, Polgreen PM. Externalities of inter-facility patient sharing: diffusion of health care associated infections. 5th Biennial Conference of the American Society of Health Economists, Los Angeles, CA, June 23, 2014.

Miller AC, Polgreen LA, Cavanaugh JE, Polgreen PM. The limitations of case-control matching when estimating average treatment effects. 5th Biennial Conference of the American Society of Health Economists, Los Angeles, CA, June 23, 2014.

Polgreen LA, Carter BL, Suneja M, Polgreen PM. The increasing trend in the admissions for malignant hypertension and hypertensive encephalopathy in the United States. Annual Scientific Meeting of the American Society of Hypertension, New York, NY, May 18, 2014.

Miller AC, Polgreen LA, Cavanaugh JE, Polgreen PM. Tuberculosis Unseen: Missed Opportunities in Diagnosis, with Aaron Miller, Philip Polgreen and Joseph Cavanaugh, International Society for Disease Surveillance Conference, December 11, 2014.

Polgreen LA, Carter BL, Suneja M, Tang F, Polgreen PM, Why Are Diagnoses of Malignant Hypertension Increasing in the United States? American Pharmacists Association, San Diego, CA, March 27, 2015.

Grants

Polgreen LA. Does the Supply of Specialists Affect Outcomes Among Patients with Colorectal Cancer? Institute for Clinical and Translational Science, The University of

Iowa, \$75,000.00/year, August 1, 2011 - July 31, 2013.

Polgreen PM, Haynes WH, Polgreen LA. A Randomized Controlled Trial Using Online Incentives to Reduce Obesity and Cardiovascular Risk Factors, Achievemint, \$33,280.00, September 2013 - December 2014.

Polgreen PM, Haynes WG, Polgreen LA. An Automated Activity Surveillance and Feedback Platform, Fraternal Order of Eagles, \$100,000.00, September 2013 - September 2015.

Santillan MK, Santillan DA, Polgreen PM, Polgreen LA. Bedrest for treating preeclampsia? A study of activity, copeptin, blood pressure and preeclampsia, University of Iowa Center for Hypertension Research, \$70,000, January 1, 2015 - June 30, 2016.

Polgreen LA. Observational data and treatment effectiveness: which methods work best? The National Heart, Lung and Blood Institute, grant number K25HL122305, \$579,466, April 1, 2015 – March 31, 2019.

Professional Affiliations

Econometric Society, American Economic Association, Southern Economic Association, American Society of Health Economists

Teaching Interests

Econometrics, Labor Economics, and Health Economics