

CURRICULUM VITAE

DAVID H. KRELING

PRESENT POSITION:

Professor of Pharmacy Administration
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EDUCATION

1973 General Education Honors Program, Western Michigan University

1978 B.S. Pharmacy, Ferris State University

1981 M.S. Pharmacy Administration, Purdue University
Thesis: "An Analysis of Work Flow in a Large Outpatient Pharmacy"

1984 Ph.D. Pharmacy Administration, The University of Texas - Austin
Dissertation: "Developing a Prescription Drug Reimbursement Formula for Texas Medicaid Using Marketplace Parameters Related to Prescription Prices, Acquisition Costs, Dispensing Expenses, and Profits"

PROFESSIONAL LICENSURE

Registered Pharmacist in Michigan (1978) and Indiana (1980).

EMPLOYMENT

1/01 to Present	Professor of Pharmacy Administration, School of Pharmacy, University of Wisconsin-Madison
7/90 to 12/00	Associate Professor of Pharmacy Administration, School of Pharmacy, University of Wisconsin-Madison
11/84 to 7/90	Assistant Professor of Pharmacy Administration, School of Pharmacy, University of Wisconsin-Madison

PUBLICATIONS

Reviewed Research Articles

- Kreling, D.H.**, Doucette, W.R., Chang, E.H., Gaither, C.A., Mott, D.A., Schommer, J.C. "Practice Characteristics of BS and PharmD Degree Pharmacists Based on the 2009 National Workforce Survey" American Journal of Pharmaceutical Education Vo. 74, Issue 9, 2010, article # 159.
- Faerber, A.E. and **Kreling, D.H.** "Now You See It. Now You Don't: Fair Balance and Adequate Provision in Advertisements for Drugs Before and After the Switch from Prescription to Over-the-Counter" Health Communication, forthcoming.
- Martin, B.A., Chui, M.A., Mott, D.A., Thorpe, J.M., **Kreling, D.H.** "Development of a Scale to Measure Pharmacists' Self-Efficacy in Performing Medication Therapy Management Services" Research in Social & Administrative Pharmacy forthcoming
- Mott, D.A., Thorpe, J.M., Thorpe, C.T., **Kreling, D.H.** and Gadkari, A.S. "Effects of Medicare Part D on Drug Affordability and Utilization: Are Seniors with Prior High Out-of-Pocket Drug Spending Affected More?" Research in Social & Administrative Pharmacy forthcoming
- Mott, D.A., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Pedersen, C.A., Schommer, J.C. "Exploring Trends and Determinants of Pharmacist Wage Rates: Evidence from the 2000 and 2004 National Pharmacist Workforce Survey" Journal of the American Pharmacists Association, forthcoming.
- Look, K.A., Mott, D.A., **Kreling, D.H.**, Peterson, E.J., Staresinic, A.G. "Economic Impact of Pharmacist-Reimbursed Drug Therapy Modification" Journal of the American Pharmacist Association forthcoming
- Gadkari, A. S., Mott, D. A., **Kreling, D. H.**, & Bonnarens, J. K. (2009). Pharmacy characteristics associated with the provision of drug therapy services in nonmetropolitan community pharmacies. *J Rural Health*, 25(3), 290-5.
- Gaither, C.A., Nadkarni, A., Mott, D.A., Schommer, J.C., Doucette, W.R., **Kreling, D.H.**, Pedersen, C.A. "Should I Stay or Should I Go? The Influence of Individual and Organizational Factors on Pharmacists' Future Work Plans" Journal of the American Pharmaceutical Association 47 (March/April 2007): 165-173.
- Schommer, J.C., Pedersen, C.A., Gaither, C.A., Doucette, W.R., **Kreling, D.H.**, Mott, D. A. "Pharmacists' Time in Work Activities (Desired, Actual, and Gaps): Evidence from the 2004 National Pharmacist Workforce Study" Journal of the American Pharmaceutical Association 46 (May/June 2006): 32-39.
- Doucette, W.R., **Kreling, D.H.**, Schommer, J.C., Gaither, C.A., Mott, D.A., Pedersen, C.A. "An Evaluation of Community Pharmacy Service Mix" Journal of the American Pharmaceutical Association 46 (May/June 2006): 40-47.
- Mott, D.A., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Pedersen, C.A., Schommer, J.C. "Pharmacist Participation in the Workforce: 1990, 2000, 2004" Journal of the American Pharmaceutical Association 46 (May/June 2006): 14-22.
- David H. Kreling**, Doucette, W.R., Mott, D.A., Gaither, C.A., Pedersen, C.A., Schommer, J.C., "Community Pharmacists' Work Environments: Evidence from the 2004 National Pharmacist Workforce Study" Journal of the American Pharmaceutical Association 46 (May/June 2006): 23-31.
- T.Sriwong, B. and **Kreling, D.H.** "Application of Levitt's Total Product Concept to Pharmacist Services Development" Journal of Pharmaceutical Marketing and Management 16, No. 4 (2004): 47-64.
- Craig, B.M., **Kreling, D.H.**, and Mott, D.A. "Do Seniors Get the Drugs Prescribed for Them? Evidence from the 1996-1999 Medicare Current Beneficiary Survey" Health Affairs 22 (May-June 2003): 175-182.
- Chewning, B.A., Wiederholt, J.B., Bell, C., Boh, D., Boh, L., Douglas, J., **Kreling, D.H.**, Van Koningsveld, R., and Wilson, D. "Does the Concordance Framework Serve Medicine Management?" The International Journal of Pharmacy Practice 9 (June 2001): 71-79.
- Mott, D.A., Sorofman, B., **Kreling, D.H.**, Schommer, J.C., and Pederson, C. "A Four-State Summary of the Pharmacy Workforce" Journal of the American Pharmaceutical Association

- (September/October 2001): 693-702.
- Ganther, J.M., Wiederholt, J.B. and **Kreling, D.H.** "Measuring Patients' Medical Care Preferences: Care-seeking versus Self-treating" Medical Decision Making 21 (March/April 2001): 133-140.
- Ganther, J.M. and **Kreling, D.H.** "Consumer Perceptions of Risk and Required Price Savings for Generic Prescription Drugs" Journal of the American Pharmaceutical Association 40 (May/June 2000): 378-383.
- Shireman, T.I. and **Kreling, D.H.** "Impact of Third Party Penetration and Competition on Community Pharmacies' Profits" Journal of Research in Pharmaceutical Economics 10, no. 1 (2000): 7-28.
- Lipton, H. L., **Kreling, D.H.**, Collins, T. and Hertz, K.C. "Pharmacy Benefit Management Companies: Dimensions of Performance" Annual Reviews of Public Health 20 (May 1999): 361-401.
- Ganther, J.M. and **Kreling, D.H.** "The Effect of a Change in Third Party Reimbursement Rate on Prescription Gross Margin" Journal of the American Pharmaceutical Association 39, no.3 (May/Jun 1999): 346-352.
- Mott, D.A., Schommer, J.C., Doucette, W.R. and **Kreling, D.H.** "Agency Theory, Drug Formularies, and Drug Product Selection: Implications for Public Policy" Journal of Public Policy and Marketing 17, no. 2 (1998): 277-285.
- Mott, D.A. and **Kreling, D.H.** "The Association of Insurance Type with Costs of Dispensed Drugs" Inquiry, 35, no. 1 (Spring 1998): 23-35.
- Mott, D.A. and **Kreling, D.H.** "The Influence of Therapeutic Category and Insurance Type on Generic Substitution of Drug Products." Journal of Research in Pharmaceutical Economics 8, no. 3 (Fall 1997): 3-22.
- Jambulingam, T. and **Kreling, D.H.** "Relationship Between the Number of Firms and Generic Price Competition." Journal of Research in Pharmaceutical Economics 6, no. 3 (Fall 1995): 39-60.
- Mott, D.A., **Kreling, D.H.**, and Cain, G.C. "The Relationship Between Internal Rates of Return, Pharmacist Supply and Applications and Admissions: A Case Study in Wisconsin." American Journal of Pharmaceutical Education 59, no. 1 (Spring 1995): 59-66.
- Mott, D.A. and **Kreling, D.H.** "An Internal Rate of Return Approach to Investigate Pharmacist Supply in the United States." Health Economics 3, no. 6 (November-December 1994): 373-384.
- Adams, E.K., **Kreling, D.H.**, and Gondek, K. "State Medicaid Pharmacy Payments and Their Relation to Estimated Costs." Health Care Financing Review 15 (Spring 1994): 25-42.
- Page, C., **Kreling, D.H.**, and Matsumura, E.M. "Comparison of the Mean Per Unit and Ratio Estimators Under a Simple Applications-Motivated Model." Statistics & Probability Letters, 17 (26 May 1993): 97-104.
- Kreling, D.H.** and Mucha, R.E. "Drug Product Management in Health Maintenance Organizations," American Journal of Hospital Pharmacy, 49 (Feb 1992): 374-381.
- Kreling, D.H.** "A Comparison of Pharmacists' Acquisition Costs and Potential Medicaid Prescription Ingredient Cost Reimbursement in Wisconsin," Journal of Research in Pharmaceutical Economics, 3; no. 3 (1991): 25-53.
- Kreling, D.H.** and Schommer, J.C. "Costs of Potentially Inappropriate Psychotropic Drug Orders for Nursing Home Residents: Method and Estimation," The Consultant Pharmacist, 5 (March 1990): 166-172.
- Kreling, D.H.** and Dzvimbo, W.J. "Drug Information Sources Used by Physicians and Pharmacists: A Study of Public Hospitals in Zimbabwe," Journal of Social and Administrative Pharmacy, 6 (1990): 197-207.
- Kreling, D.H.** "Assessing Potential Prescription Reimbursement Changes: Estimated Acquisition Costs in Wisconsin," Health Care Financing Review 10 (Spring 1989): 67-75.
- Sullivan, S.D., **Kreling, D.H.** and Hazlet, T.K. "Noncompliance with Medication Regimens and Subsequent Hospitalizations: a Literature Analysis and Cost of Hospitalization Estimate," Journal of Research in Pharmaceutical Economics, 2, no.2 (1990): 19-33.
- Kreling, D.H.**, Knocke, D.J. and Hammel, R.W. "The Effects of an Internal Analgesic Formulary Restriction on Medicaid Drug Expenditures in Wisconsin," Medical Care 27 (January 1989): 3444.
- Kreling, D.H.**, Knocke, D.J. and Hammel, R.W. "Changes in Market Shares for Internal Analgesic Products after a Medicaid Formulary Restriction," Journal of Pharmaceutical Marketing and

- Management, 3 (Winter 1988): 65-75.
- Kreling, D.H.** "Pharmacists' Use of AWP in Pricing Prescriptions" Journal of Pharmaceutical Marketing and Management 2 (Fall 1987): 97-113.
- Kreling, D.H.** and Wiederholt, J.B. "Selecting Health Insurance: The Importance of Prescription Drug Coverage and Pharmacy Factors in Consumer Decision Making," Journal of Pharmaceutical Marketing and Management, 1 (Summer 1987): 3-18.
- Woller T.W., **Kreling, D.H.** and Ploetz, P.A. "Quantification and Characterization of Inpatient Pro Re Nata (PRN) Medication Order Nonuse" American Journal of Hospital Pharmacy 44 (June 1987): 1347-1352.
- Shepherd, M.D., Pongcharoensuk, P., and **Kreling, D.H.** "An Examination of Drug Product Substitution in Texas Two Years After Enactment of Legislation," Journal of Pharmaceutical Marketing and Management, 1 (Winter 1986): 97-108.
- Kreling, D.H.** and Kirk, K.W. "Estimating Pharmacy Level Prescription Drug Acquisition Costs for Third-Party Reimbursement," Medical Care 24 (July 1986):590-599.
- Lipowski, E.E., Wiederholt, J.B., **Kreling, D.H.**, and Collins, T.M. "Description of Pharmaceutical Services to Nursing Home Residents Using a Medicaid Database," American Journal of Hospital Pharmacy 43 (June 1986): 1467-1472.
- Kreling, D.H.** and Lurvey, P.L. "Health Professional Students' and Faculties' Perceptions of Pharmacists: Measurement via a Cartoon Technique" American Journal of Hospital Pharmacy, vol. 41 (January 1984):111-120.

Reviewed Literature Review Articles

- Kreling, D.H.** "Basic Bibliography: Cognitive Services Reimbursement" Hospital Pharmacy 32, no. 7 (July 1997): 1063.
- Kreling, D.H.** and Mott, D.A. "The Cost Effectiveness of Drug Utilization Review in an Outpatient Setting." PharmacoEconomics, 4 (December 1993): 414-436.

Professional Articles

- Schommer, J.C., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A., "The 2009 Pharmacist Workforce Survey and What It Means for Your Future" Student Pharmacist Jan 2011.
- Schommer, J.C., Planas, L.G., Knapp, K.A., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A., "Pharmacist Contributions to the U.S. Health Care System" Innovations in Pharmacy Vol. 1, No. 1, 2010, pp. 1 -15.
- Chen, Y-C., Wu, M., Tarn, Y-H, Ho, R-S., **Kreling, D. H.** "A National Public Perception Survey about Community Pharmacists in Taiwan" International Journal of Pharmacy Practice, 2010 (forthcoming).
- Mott, D.A., Doucette, W.R., Gaither, C.A., **Kreling, D.H.** and Schommer, J.C. "Trends in Work Participation of U.S. Pharmacists: Summary of Results from the National Pharmacist Workforce Surveys" Journal of the Pharmacy Society of Wisconsin (May/June 2010): 24-28.
- Kreling, D.H.**, Mott, D.A. and Chen, Y-C. "The 2009 Biennial Wisconsin Pharmacist Workforce Survey: Compensation and Work Hours Results" " Journal of the Pharmacy Society of Wisconsin (Jan/Feb 2010): 30-34.
- Martin, B.A. and **Kreling, D.H.** "Perceived Barriers to Providing MTM Services as Reported by WPQC Pilot Pharmacists" Journal of the Pharmacy Society of Wisconsin (Jan/Feb 2010): 40-44.
- Mott, D.A. and **Kreling, D.H.** "2007 Wisconsin Pharmacist Compensation Survey: Summary of Pay, Hours, Hours Worked, and Fringe Benefits for Practicing Pharmacists" Journal of the Pharmacy Society of Wisconsin (Sep/Oct 2008): 11-17.
- Guirguis, L.M. and **Kreling, D.H.** "Do Wisconsin Pharmacists Believe that They Matter to their Patients?" Journal of the Pharmacy Society of Wisconsin (March/April 2007): 44-48.
- Kreling, D.H.** and Boddapati, S. "Payment for Cognitive Services in Wisconsin" Journal of the Pharmacy Society of Wisconsin (March/April 2007): 23-30.
- Mott, D.A. and **Kreling, D.H.** "2005 Wisconsin Pharmacist Compensation Survey: Summary of Pay, Hours, Hours Worked, and Fringe Benefits for Practicing Pharmacists" Journal of the Pharmacy Society of Wisconsin (May/June 2006): 36-41, 46.

- Mott, D.A., **Kreling, D.H.**, Hermansen-Kobulnicky C. and Chou, C. "Medicaid Pharmaceutical Care Program: Pharmacy Participation and the Characteristics of Claims Submitted" Journal of the Pharmacy Society of Wisconsin (March/April 2005): 12-16.
- Mott, D.A. and **Kreling, D.H.** "2003 Wisconsin Pharmacist Salary Survey: Compensation, Hours Worked, and Fringe Benefits for Practicing Pharmacists" Journal of the Pharmacy Society of Wisconsin (May/June 2004): 58-64.
- Kreling, D.H.** and Mott, D.A. "2001 Wisconsin Pharmacist Salary Survey: Compensation, Hours Worked, and Fringe Benefits for Practicing Pharmacists" Journal of the Pharmacy Society of Wisconsin (July/August 2002): 13-19.
- Kreling, D.H.** "Imperfect Data" Health Affairs (letter) 20, no. 6 (November/December 2001): 1063.
- Kreling, D.H.**, Mott, D.A., and Wiederholt, J.B. "1999 Pharmacist Salary Survey: Compensation, Hours Worked, and Fringe Benefits for Practicing Pharmacists" Journal of the Pharmacy Society of Wisconsin (January/February 2000): 17-23.
- Kreling, D.H.** and Wiederholt, J.B. "1997 Wisconsin Pharmacist Salary Survey Part II: Part-time and Other Pharmacists, Pharmacist Schedules, and Work Activities" Wisconsin Pharmacist (Sep/Oct 1998): 15-21.
- Kreling, D.H.** and Wiederholt, J.B. "1997 Wisconsin Pharmacist Salary Survey: Practicing Pharmacists' Compensation, Duty Hours, and Fringe Benefits" Wisconsin Pharmacist (Nov/Dec 1997): 10-21.
- Kreling, D.H.** "A Brief Look at the 1997 Salary Survey Results" The Wisconsin Pharmacy Graduate (Fall 1997): 1.
- Rupp, M.T. and **Kreling, D.H.** "The Impact of Pharmaceutical Care on Patient Outcomes: What Do We Know?" Drug Benefit Trends 9, no. 2 (February 1997): 35-47.
- Kreling, D.H.** and Paulsen, E.K. "Medicare Supplement Insurance: A Primer for Pharmacists," The Wisconsin Pharmacist 58 (March 1989): 15-17.
- Kreling, D.H.** and Doucette, W.R. "Relief Pharmacists in Wisconsin: Use, Unmet Need, and Potential Supply," Wisconsin Pharmacist 56 (December 1987): 18-21.
- Kreling, D.H.**, "Direct Price Reimbursement: Can Pharmacists Buy from Wholesalers at Direct Prices?" Wisconsin Pharmacist 56 (November 1987): 8-10.
- Kreling, D.H.** and Witzany, C.J. "Direct Price Reimbursement: Does the Medicaid Policy Reflect Pharmacists' Purchase Patterns?" Wisconsin Pharmacist 56(June 1987): 10-12.
- Kreling, D.H.**, "How to Manage Customer Credit Profitably" American Druggist 194 (October 1986): 57-71.
- Kreling, D.H.** and Kirk, K.W. "The DHS Cost Report" Texas Pharmacy, Vol. 104 (November 1985):15-19.
- Kreling, D.H.**, Kirk, K.W., Cook, A.A., Sherry, M.D., and Speth, S.L. "Operational Characteristics of Hospital Pharmacies in Indiana - 1976 vs. 1981" Lippincotts Hospital Pharmacy, vol. 18 (October 1983):533, 536-7, 540-2.

Reports

- Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A., Schommer, J.C., *Final Report of the 2009 National Sample Survey of the Pharmacist Workforce to Determine Contemporary Demographic and Practice Characteristics*, Pharmacy Manpower Project, Inc., 1 March 2010.
- Mott, D.A., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Pedersen, C.A., and Schommer, J.C. "Final Report o the 2004 National Sample Survey of the Pharmacist Workforce to Determine Contemporary Demographic And Practice Characteristics" Pharmacy Manpower Project, Inc., 1 September 2005.
- Mott, D.A., **Kreling, D.H.**, Hermansen-Kobulnicky, C., and Chou, C-H. "Report on the Wisconsin Medicaid Pharmaceutical Care Program: Survey of Pharmacy Provider Participation" Community Pharmacy Foundation, 31 March 2005.
- Kreling, D.H.**, Donatelle, R.A., Porter, J.L., and Schwartz, S.M. "A Guide to Drug Coverage Under the Medicare Modernization Act (MMA): Key Components for Pharmacists to Know" Continuing Education Monograph for the National Community Pharmacist Association, posted on Pharmacist E-Link, February 2005.

- Mott, D.A., **Kreling, D.H.**, and Chou, C-H. "Report on the Wisconsin Medicaid Pharmaceutical Care Program: Pharmacy Provider Participation and Pharmaceutical Care Claims" Community Pharmacy Foundation, July 2004.
- Kreling, D.H.**, "Pharmacy Cost of Dispensing/Acquisition Cost Study: Final Report" Wisconsin Department of Health and Family Services, Bureau of Health Care Finance, 6 March 2002.
- Kreling, D.H.**, Mott, D.A., Wiederholt, J.B., Lundy J. and Levitt, L. Prescription Drug Trends: A Chartbook Update, Henry J. Kaiser Family Foundation, November 2001.
- Kreling, D.H.** "What Strategies Can States Use to Control Costs and How Effective Are They?" Briefing paper for the 165th Wisconsin Family Impact Seminar on Designing a State Prescription Drug Benefit: Strategies to Control Costs, School of Human Ecology, University of Wisconsin-Madison, March 2001.
- Kreling, D.H.**, Mott, D.A., and Wiederholt, J.B. "Why Are Prescription Drug Costs Rising?" Briefing paper for the 15th Wisconsin Family Impact Seminar on Rising Prescription Drug Costs: Reasons, Needs, and Policy Responses, School of Human Ecology, University of Wisconsin-Madison, January 2001.
- Kreling, D.H.** "Pricing Responses Related to a Medicare Prescription Drug Benefit: A Thought Paper" Background paper prepared for the Congressional Budget Office, January 2001.
- Kreling, D.H.** "Cost Control for Prescription Drug Programs: Pharmacy Benefit Manager (PBM) Efforts, Effects, and Implications" Background Paper prepared for the U.S. DHHS Office of the Assistant Secretary for Planning and Evaluation conference on Pharmaceutical Pricing Practices, Utilization and Costs, 9 August 2000.
- Kreling, D.H.**, Mott, D.A., Wiederholt, J.B., Lundy J. and Levitt, L. Prescription Drug Trends: A Chartbook, Henry J. Kaiser Family Foundation, July 2000.
- Lipton, H.L., **Kreling, D.H.**, Collins, T.M., and Hertz, K. Assessment of the Impact of Pharmacy Benefit Managers Report to HCFA, contract # HCFA -95-023/PK, 30 September 1996.
- Khandker, R.Z., Simoni-Wastila, L.J., Cromwell, J. and **Kreling, D.H.** "Issues Related to the Federal Government Drug Payment Policies in the Reformed Health Care Environment" Report to HCFA, Contract No. 500-92-0020, 13 October 1995.
- Rupp, M.T. and **Kreling, D.H.** "The Impact of Pharmaceutical Care on Patient Outcomes: What Do We Know?" in Patient Outcomes of Pharmaceutical Interventions: A Scientific Foundation for the Future Invitational Conference Papers, American Pharmaceutical Association, November 1994.
- Zimmerman, D., Collins, T.M., Lipowski, E.E., **Kreling, D.H.**, and Wiederholt, J.B. "Guidelines for Estimating the Impact of Medicaid DUR." Report to HCFA, Contract No. 500-93-0032, August 1994.
- Adams, E.K., Gavin, N. and **Kreling, D.H.** "Assessment of Adequacy of Reimbursement Rates to Pharmacies and its Impact on the Access to Medication and Pharmacy Services by Medicaid Recipients." Report to HCFA, Contract No. 500-92-0024, 25 August 1993.
- Rupp, M.T. and **Kreling, D.H.** "Alternative Payment Methods: Value and Payment for Pharmacy Services." Background Paper prepared for the National Association of Chain Drug Stores; Alexandria, VA, October 1992.
- Kreling, D.H.** and Mott, D.A., "The Pharmaceutical Access and Prudent Purchasing Act of 1990: Estimating the Economic Impact on Institutional Pharmacy Providers." Report to The American Society of Hospital Pharmacists, Bethesda, MD, 15 September 1990.

RESEARCH PRESENTATIONS

Contributed Podium Presentations with Peer Reviewed Published Abstracts

- Chewning, B.A., Sleath, B., Bell, C., McKown, K., Weinberger, M., Develis, B., Develis, B., **Kreling, D.H.**, Van Koningsveld, R., Wilson, D. "Impact of Pre-visit Assessment of Patient Priorities on Topics Discussed in Encounter and the Outcome of Pain", presented to the Academy of Health Annual Meeting, June 2010, Boston, MA.
- Chang, E., Doucette, W.R., **Kreling, D.H.**, Gaither, C.A., Mott, D.A., Schommer, J.C. "Practice Settings and Activities of Pharmacists with BS and/or PharmD Degrees: Results from the 2009 National Workforce Study", presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2010, Washington, DC.

- Chui, MA, Mott DA, Maxwell L, **Kreling DH**, Martin BA, A Qualitative Assessment of Important Pharmacy Work System Facilitators to Pharmacist Role Expansion, presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2010, Washington, DC.
- Martin BA, Chui MA, Thorpe JM, Mott DA, **Kreling DH**, Development of a Scale to Measure Pharmacists' Self-Efficacy in Performing WPQC Medication Therapy Management Interventions, presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2010, Washington, DC.
- Gadkari, A.G., Mott, D. A., Thorpe, J.M. and **Kreling, D.H.** "The Doughnut Hole in Medicare Part D Plans: A Pharmacy Claims Database Analysis" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2009, San Antonio, TX.
- Mott, D. A., Thorpe, J.M., Thorpe, C.T., **Kreling, D.H.** and Gadkari, A.G. "Evaluating the Impact of Medicare Part D on Medication Utilization and Expenditures" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2009, San Antonio, TX.
- Gadkari, A., Mott, D.A., and **Kreling, D.H.** "Characteristics of Unmet Demand for Pharmacists: A Case Study in Wisconsin" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2007, Atlanta, GA.
- Chen, U., Wu, M., Tarn, Y., **Kreling, D.H.**, and Ho, R. "A Public Perception Study about Community Pharmacists in Taiwan" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2007, Atlanta, GA.
- Bellebaum, K. Pedersen, C., Blake, N., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A., Schommer, J.C. "A National Comparison of Hospital and Chain Pharmacists" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2007, Atlanta, GA.
- Kreling, D.H.**, Mott, D.A., and Chou, C.H. "Trends in Prescription Cost Shielding for Medicare Beneficiaries by Drug Coverage: 1994-1999" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2004, Seattle, WA.
- Ganther, J.M. and **Kreling, D.H.** "Characteristics and Predictors of Prescription Drug Insurance in the Elderly" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2001, San Francisco, CA.
- Ganther, J.M. and **Kreling, D.H.** "The Effects of Insurance and Medical Care Preferences on Prescription Drug Utilization" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2000, Washington, DC.
- Mott, D.A., **Kreling, D.H.**, Pedersen, C., and Schommer, J.C. "Factors Associated with Hours Worked by Pharmacists: A Study from Three States" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2000, Washington, DC.
- Ganther, J.M., **Kreling, D.H.**, and Wiederholt, J.B. "Conceptualization and Measurement of Consumer Preferences within an Economic Utility Model of Demand for Prescription Drugs" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1999, San Antonio, Texas.
- Ganther, J.M. and **Kreling, D.H.** "The Effect of a Change in Third Party Reimbursement on Pharmacy Gross Margin" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1998, Miami Beach, Florida.
- Ganther, J.M. and **Kreling, D.H.** "The Effect of a Change in Prescription Drug Insurance Benefits on

- Consumer Purchase of Generic Drugs" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1997, Los Angeles, California.
- Mott, D.A. and **Kreling, D.H.** "The Influence of Pharmacy Location and Patient Insurance Type on the Mix and Cost of Prescribed Drugs" presented at the Ohio Pharmacists Association 118th Annual Conference, March 1996.
- Mott, D.A. and **Kreling, D.H.** "The Influence of Patient Payment on the Unit Costs of Prescribed Drugs" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1996, Nashville, Tennessee.
- Jambulingam, T. and **Kreling, D.H.** "Relationship Between the Number of Firms and Generic Competition," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1992, San Diego, California.
- Dzvimbo, W.J. and **Kreling, D.H.**, "Comparative Content Analysis of Drug Package Inserts from Zimbabwe with USA and UK Composite Standard Monographs," presented to the 49th International Congress of Pharmaceutical Sciences of Federation Internationale Pharmaceutique, Munich, Germany, September 1989.
- Schommer, J.C. and **Kreling, D.H.**, "Costs of Inappropriate Psychotropic Drug Orders for Nursing Home Patients," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 1989, Anaheim, California.
- Sullivan, S.D., **Kreling, D.H.** and Hazlet, T.K. "Noncompliance with Medication Regimens and Unnecessary Hospitalizations: a Literature Synthesis," presented to the Medical Care Section, Drug Policy and Pharmaceutical Services session, American Public Health Association Annual Meeting, November 1988, Boston, Massachusetts.
- Leung, K.G. and **Kreling, D.H.**, "Popularity and Usefulness of Consumer Information Sources about OTC Ibuprofen," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1988, Atlanta, Georgia.
- Kreling, D.H.**, "Pharmacists Reasons for Using Average Wholesale Price in Prescription Pricing," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1987, Chicago, Illinois.
- Kreling, D.H.** and Wiederholt, J.B. "Selecting Health Insurance: The Importance of Prescription Drug Coverage and Pharmacy Factors in Consumer Decision Making," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1986, San Francisco, California.
- Kreling, D.H.** and Kirk, K.W. "A Comparison of Usual-and-Customary Prescription Prices Based on Pharmacy Characteristics and Therapeutic Class," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, February 1985, San Antonio, Texas.
- Kreling, D.H.** and Kirk, K.W. "Margins Earned on Prescription Drug Products by Wholesalers," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, February 1985, San Antonio, Texas.
- Shepherd, M.D., Pongcharoensuk, P., and **Kreling, D.H.** "An Examination of Drug Product Substitution in Texas Two Years After Enactment of Legislation," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, February 1985, San Antonio, Texas.
- Lurvey, P.L. and **Kreling, D.H.** "A Comparison of Health Professional Students Perceptions of Pharmacist Roles," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 1983, New Orleans, Louisiana.

Contributed Poster Presentations with Peer Reviewed Published Abstracts

- Faerber, A.E. and **Kreling, D.H.** "Comparison of TV Ads for Drugs that Switched from Prescription to Over-the-Counter: Benefits, Risks, and "Switch-Related" Appeals" presented to the Drug Information Association Annual Meeting, June 2010, Washington, DC.
- Faerber, A.E. and **Kreling, D.H.** "Battle Ads! Television Advertising for Competing Brands During Switches from Prescription to Over-the-Counter" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmacists Association Annual Meeting, March 2010, Washington, DC.
- Mott, D.A., Schommer, J.C., **Kreling, D.H.**, Gaither, C.A., Doucette, W.R. "Pharmacist Participation in the Workforce: 2000, 2004, 2009" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmacists Association Annual Meeting, March 2010, Washington, DC.
- Schommer, J.C., Hadsall, R., Uden, D., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A. "National Pharmacist Workforce Adjustments during the 2009 Economic Recession" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmacists Association Annual Meeting, March 2010, Washington, DC.
- Schommer, J.C., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A. "What Pharmacists Like Most about Their Current Job Situation: Findings from the 2009 National Pharmacist Workforce Survey" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmacists Association Annual Meeting, March 2010, Washington, DC.
- Schommer, J.C., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A. "Age Matters: Varying Practice and Demographic Profiles for Generations of Pharmacists" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmacists Association Annual Meeting, March 2010, Washington, DC.
- Martin, B.A. and **Kreling, D.H.** "Pharmacists' Perceived Barriers To Providing MTM Services in a Quality-Based Demonstration Project" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2009, San Antonio, TX.
- Kreling, D.H.**, Mott, D.A., Chen, Y., Hung, S., and Hwang, J.M. "Got Samples? Who and What According to the Medical Expenditure Panel Survey (MEPS)" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2008, San Diego, CA.
- Abhijit S. Gadkari, A.G., Mott, D. A., **Kreling, D.H.**, and Bonnarens, J.K. "Provision of Drug Therapy Services in Non-metropolitan Community Pharmacies" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2008, San Diego, CA.
- Look, K.A., Mott, D. A. and **Kreling, D.H.**, "The Comparative Effects of a Web-Based Survey Form Versus a Mailed Survey Form Among Pharmacy Key Informants" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2008, San Diego, CA.
- Guirguis, L., Chewning, B.A., Kieser, M., and **Kreling, D.H.** "A Randomized Controlled Trial to Evaluate the Impact of Structured Patient Interactions on Pharmacy Students' Counseling Beliefs and Behaviors" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2007, Atlanta, GA.
- Young, H.N., Mott, D.A., **Kreling, D.H.**, and Robinson, J. "Evaluation of Pharmacists' Impact on Patients' Persistence with Medications in the Wisconsin Medicaid Pharmaceutical Care Program" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2007, Atlanta, GA.

- Alkelya, M. A., **Kreling, D. H.** "Predictors of Polypharmacy: A Cross-Sectional Pilot Study in the Saudi Ministry of Health Hospital Outpatient Clinics" presented at the 22nd International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 26 August 2006, Lisbon, Portugal.
- Alkelya, M. A. and **Kreling, D.H.** "The Impact of the Pharmacy and Therapeutics Committee on the Patients' Access to Prescription Drugs in the Saudi Ministry of Health: Exploratory and Comparison Study" presented at the International Society for Pharmacoeconomics and Outcomes Research 11th Annual International Meeting, 23 May 2006, Philadelphia, PA.
- Chou, C., Mott, D.A. and **Kreling, D.H.** "Using Time-Series Analysis to Evaluate the Effects of Two Policy Changes in the Wisconsin Medicaid Pharmaceutical Care Project" presented at the American Pharmaceutical Association Annual Meeting, March 2006, San Francisco, CA.
- Kreling, D.H.**, Craig, B., Mott, D.A. and Walbrandt-Pigarelli D. "Trends in Self-Care Among Diabetic Seniors: Evidence from the 1992-2002 Medicare Current Beneficiary Survey (MCBS)" presented at the American Pharmaceutical Association Annual Meeting, March 2006, San Francisco, CA.
- Nadkarni, A., Gaither, C.A., Doucette, W.R., **Kreling, D.H.**, Mott, D.A., Pedersen, C.A., Schommer, J.C. "Stayers or Leavers: Results from the 2004 National Pharmacist Workforce Survey" presented at the American Pharmaceutical Association Annual Meeting, March 2006, San Francisco, CA.
- Nevins, J., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Mott, D.A., Pedersen, C.A., Schommer, J.C. "Factors Influencing Pharmacy Practice Change" presented at the American Pharmaceutical Association Annual Meeting, March 2006, San Francisco, CA.
- Mott, D.A., Doucette, W.R., Gaither, C.A., **Kreling, D.H.**, Pedersen, C.A., Schommer, J.C. "Examining Trends in Where and How Much Pharmacists Work: 1990, 2000, 2004" presented at the American Pharmaceutical Association Annual Meeting, March 2006, San Francisco, CA.
- David H. Kreling**, Doucette, W.R., Mott, D.A., Gaither, C.A., Pedersen, C.A., Schommer, J.C., "Characteristics and Perceptions of Community Pharmacists' Work Environments: Evidence from the 2004 National Pharmacist Workforce Study" presented at the American Pharmaceutical Association Annual Meeting, March 2006, San Francisco, CA.
- Alkelya, M. A. and **Kreling, D.H.** "Patient Access to and Utilization of Prescription Drugs in the Saudi Ministry of Health Hospital Outpatient Clinics" presented at the 21st International Conference on Pharmacoepidemiology & Therapeutic Risk Management, August 2005, Nashville, TN.
- Alkelya, M. A. and **Kreling, D.H.** "Creating a pharmacy staff workload index for the Saudi Ministry of Health hospital pharmacies (Saudi Arabia)" presented at the American Society of Health System Pharmacist Annual Meeting, June 2005, Boston, MA.
- Boddapati, S. and **Kreling, D.H.** "Reimbursement for Pharmaceutical Care in Wisconsin: Prevalence and Attitudes" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2005, Orlando, FL.
- Dzvimbo, W.J. and **Kreling, D.H.** "Consistency in Physicians' Attitudes and Intended Behaviors in Treating HIV/AIDS" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2005, Orlando, FL.
- Kreling, D.H.** and Kao, S. "Trend in Medicaid Prescription Gross Margins, 1998 to 2003: A Simulation Analysis" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2005, Orlando, FL.
- Mott, D.A., **Kreling, D.H.**, Gadkari, A., Doucette, W.D., Gaither, C., Pedersen, C. Schommer, J.C. "Assessing Nonresponse Bias in a National Survey of Pharmacists" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2005, Orlando, FL.
- Mott, D.A., **Kreling, D.H.**, Gadkari, A., Doucette, W.D., Gaither, C., Pedersen, C. Schommer, J.C. "The Comparative Effectiveness of a Phone Versus Mail Fifth Contact in a Survey of Pharmacists" presented to the Economic, Social and Administrative Sciences Section,

- Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, April 2005, Orlando, FL.
- Mott, D.A., **Kreling, D.H.**, Chou, C.H. "Rates and Implications of Drug Cost Imputations in the Medicare Current Beneficiary Survey" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2004, Seattle, WA.
- Hermansen-Kobulnicky, C.J., **Kreling, D.H.**, Mott, D.A. "Pharmacy Participation In and Nature of Claims Submitted to the Wisconsin Medicaid Pharmaceutical Care Program" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2004, Seattle, WA.
- Dzvimbo, W.J., Alkelya, M.A., and **Kreling, D.H.** "Cost-Effectiveness Analysis of Macrolides in Community-Acquired Pneumonia" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2003, New Orleans, LA.
- Ngorsuraches, S. and **Kreling, D.H.** "The Effects of Price Change and Product Mix on Prescription Drug Expenditures in a Health Maintenance Organization (HMO)" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2000, Washington, DC.
- Johnsen, D.E. and **Kreling, D.H.** "Price Changes in Prescription to Over-the-Counter Drug Switches" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2000, Washington, DC.
- Ganther, J.M., Wiederholt, J.B., and **Kreling, D.H.** "Insights on Using Prepaid Monetary Incentives in Survey Research: Response Rates and Other Reactions" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 2000, Washington, DC.
- T.Sriwong, B., Wiederholt, J.B., and **Kreling, D.H.** "Comparison of Rated Preference for Pharmacist Service Activities Based Upon Level of Consumers" Experience presented to the Academy of Pharmacy Practice and Management Section, American Pharmaceutical Association Annual Meeting, March 2000, Washington, DC.
- Ganther, J.M., **Kreling, D.H.**, and Wiederholt, J.B. "Conceptualization and Measurement of Consumer Preferences within an Economic Utility Model of Demand for Prescription Drugs" presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1999, San Antonio, Texas.
- Nowlin, N.S., **Kreling, D.H.**, Bell, C.L., Boh, L.E., Boh, D., Wilson, D.A., Douglas, J. and Chewning, B.A. "DMARDs in the Nineties: the UW Experience" presented at the American College of Rheumatology Annual Meeting, November 1998, San Diego, California.
- Ganther, J.M. and **Kreling, D.H.** "The Effect of a Change in Prescription Drug Insurance Benefits on Consumer Purchase of Generic Drugs" presented at the Academy of Pharmaceutical Research and Science Poster Session, American Pharmaceutical Association Annual Meeting, March 1997, Los Angeles, California.
- Mott, D.A. and **Kreling, D.H.** "The Influence of Insurance Type and Prescriber HMO Affiliation on Prescription Drug Costs" Presented at the Association of Health Services Research Annual Meeting, June 1996, Atlanta, Georgia.
- Shireman, T.I., **Kreling, D.H.**, and Chewning, B.A. "Economic Factors Affecting Utilization of NSAIDs" presented at the Academy of Pharmaceutical Research and Science Poster Session, American Pharmaceutical Association Annual Meeting, March 1996, Nashville, Tennessee.
- Jambulingam, T., Mott, D.A. and **Kreling, D.H.** "Factors that Influence Salaries: A Path Analysis for Community Pharmacists in Wisconsin," presented at the Academy of Pharmacy Practice and Management Poster Session, American Pharmaceutical Association Annual Meeting, March 1994, Seattle, Washington.
- Mott, D.A. and **Kreling, D.H.** "Using Internal Rates of Return Approach to Investigate Pharmacist Supply in Wisconsin," presented at the Economic, Marketing and Management Sciences

- Section, American Association of Pharmaceutical Scientists Annual Meeting, November 1992, San Antonio, Texas.
- Rosowski, P.G. and **Kreling, D.H.** "Prescription Payor Mix Analysis of a Nationwide Secondary Database," presented at the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1992, San Diego, California.
- Mott, D.A. and **Kreling, D.H.** "An Economic Analysis of the Pharmacist Labor Factor Market," presented at the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, American Pharmaceutical Association Annual Meeting, March 1992, San Diego, California.
- Woller, T.W., Kent, S.S., **Kreling, D.H.**, and Roeder, K.J. "Inpatient PRO RE NATA (PRN) Drug Utilization at a University Teaching Hospital: Quantification of the Non-Use of Physician Ordered PRN Medication and the Pharmacy Costs Attributable to Such Orders," presented at the Contributed Papers Poster Session, American Society of Hospital Pharmacists Midyear Clinical Meeting, December 1985, New Orleans, Louisiana.
- Kreling, D.H.** and Lurvey, P.L. "Determining Attitudes Toward Pharmacists via a Thematic Apperception Test," presented at the Council of Section's Poster Session, American Association of Colleges of Pharmacy Annual Meeting, July 1983, Washington, D.C.

Other Contributed Poster Presentations

- Kreling, D.H.**, Mott, D.A., and Wiederholt, J.B. "The 1999 Wisconsin Pharmacist Salary Survey - Preliminary Insights" Pharmacist Society of Wisconsin Annual Meeting, La Crosse, WI, August 1999.
- Sriwong, B.T., Wiederholt, J.B., and **Kreling, D.H.** "Consumer Preferences Associated with Prescription Medication Patronage" Pharmacist Society of Wisconsin Annual Meeting, La Crosse, WI, August 1999.
- Wiederholt, J.B., Sriwong, B.T., and **Kreling, D.H.** "Consumer Attitudes Toward New Service Products" Pharmacist Society of Wisconsin Annual Meeting, La Crosse, WI, August 1999.

INVITED PRESENTATIONS

- "Pharmacy's Crystal Ball: What the National Pharmacist Survey Reveals about the Profession." Mott, D.A. and Schommer, J.C. (Doucette, W.R., Gaither, C.A., **Kreling, D.H.** on discussion panel. (forthcoming) American Pharmacists Association Annual Meeting, Washington, DC, March 2010.
- "ABCs of Managing Pharmacy Benefits: Approaches" presented at the Council of State Governments' Executive Briefing, New Orleans, Louisiana, 5 February 2004.
- "Pharmacy Benefit Managers" presented to CMS Regional Offices, Chicago and Kansas City, 29 January and 10 February 2004.
- "Pharmaceutical Issues: Prescription Trend Factors and Strategies" Agency for Healthcare Research and Quality's User Liaison Program and National Conference of State Legislatures, Seminar for New State Legislators, Chicago, Illinois, 21 March 2003.
- "Viagra vs. Beta Blockers: Innovation Adoption in Pharmaceuticals" National Institute for Health Care Management/ Agency for Healthcare Research and Quality Conference on Accelerating Quality Improvement in Health Care, Washington, DC, 27 January 2003.
- "Role of Drug Benefit Design on Access and Affordability of Medicines," Medical Care Section, Symposium on Access and Equity: The Challenge of Getting Medicines to the People Who Need Them, American Public Health Association Annual Meeting, Philadelphia, Pennsylvania, 11 November 2002.
- "Trends in Prescription Drug Spending: Factors, Fixes, Future" presented to University of Washington Department of Pharmacy Pharmaceutical Outcomes Research and Policy Program Cost and Outcomes Grand Rounds, Seattle, Washington, 2 August 2002.
- "PBM Tools to Affect Appropriateness: Evidence and Implications" presented at the Workshop for State and Local Officials on *Appropriate Drug Use and Prescription Drug Programs: Adding Value by Improving Quality* for the User Liaison Program, Agency for Healthcare Research and Quality, Denver, Colorado, 6 November 2001.

- "Prescription Drugs: Trends and Their Implications" presented at the Workshop for State and Local Officials on *Appropriate Drug Use and Prescription Drug Programs: Adding Value by Improving Quality* for the User Liaison Program, Agency for Healthcare Research and Quality, Denver, Colorado, 5 November 2001.
- Testimony for "Medicare-Endorsed Prescription Drug Discount Cards: Their Impact on Small Business" U.S. House of Representatives Small Business Committee, Washington, DC, 25 October 2001 (called to testify by minority committee leader)
- "Cost Control for Prescription Drug Programs: Efforts, Effects, and Implications" presented at the National Council on Teacher Retirement 79th Annual Conference, Salt Lake City, Utah, 1 October 2001.
- "Medicare Coverage for Prescription Drugs: General Issues" presented at the American Risk and Insurance Association Annual Meeting, Indianapolis, Indiana, 14 August 2001.
- "Factors Affecting Increasing Prescription Drug Costs" presented at the National Conference of Insurance Legislators Summer Meeting and Seminar, Chicago, Illinois, 14 July 2001
- "Factors Affecting Increasing Prescription Drug Costs" presented at the Workshop for State and Local Officials on *Health Care Costs: Why Are they Increasing? What Can We Do?* for the User Liaison Program, Agency for Healthcare Research and Quality, Los Angeles, California, 22 May 2001.
- "Drug Benefit Design: Issues and Implications" presented at the American Pharmaceutical Association Annual Meeting, 19 March 2001, San Francisco, California.
- "What Strategies Can States Use to Control Costs and How Effective Are They?" presented at the 16th Wisconsin Family Impact Seminar on *Designing a State Prescription Drug Benefit: Strategies to Control Costs*, Wisconsin State Capitol, Madison, Wisconsin, 1 March 2001.
- "Why Are Prescription Drug Costs Rising?" presented at the 15th Wisconsin Family Impact Seminar on *Rising Prescription Drug Costs: Reasons, Needs, and Policy Responses*, Wisconsin State Capitol, Madison, Wisconsin, 25 January 2001.
- "Trends in Prescription Drug Spending: Why, Does It Matter, What to Do?" presented at NIHCM Capitol Hill Briefing, 25 September 2000, Washington, DC.
- "Cost Control for Prescription Drug Programs: Pharmacy Benefit Manager (PBM) Efforts, Effects, and Implications" presented at the U.S. DHHS Office of the Assistant Secretary for Planning and Evaluation Conference on Pharmaceutical Pricing Practices, Utilization and Costs, 9 August 2000, Washington, DC.
- "Trends in Prescription Expenditures," Kaiser Family Foundation, Briefing for Media Fellows, October 1999, Menlo Park, California.
- "Managed Care and PBMs: Impact on the Health Care System" presented at the NACDS Pharmacy Conference and Managed Care Forum, August 1997, Boston, Massachusetts.
- "Pharmacy 'Value Added' Can We Prove It? States' Experience" presented at the California Pharmacy Benefit Management Study Group Satellite Symposium to the American Pharmaceutical Association Annual Meeting, March 1997, Los Angeles, California.
- "Pharmaceutical Care Outcomes: The Patient Role" Outcomes of Pharmaceutical Therapy (OPT) Program: An Update, American Pharmaceutical Association Annual Meeting, March 1995, Orlando, Florida.
- "Pharmacists, Interventions, and Patient Outcomes: Perspectives on Perspective" Department of Pharmacy Seminar, University of Washington, January 1995, Seattle, Washington.

Other Presentations

- "Prescription Drug Costs: Reasons and Reason?" presented to the Population Health Program and Wisconsin Network for Health Policy Research Joint Seminar Series, 9 October 2000, Madison, WI.
- Kreling, D.H.** and Vermeulen, L. "Cost Containment in Prescription Drug Programs" Wisconsin Network for Health Policy Research, Annual Meeting, Madison, WI. November 1999.

GRANTS AND CONTRACTS

- "Sustaining The Training Impact For Pharmacists Providing Services: A Needs Assessment and

- Program Evaluation Project", UW-School of Pharmacy Research Innovations Awards Program, \$18,050. December 2007 to November 2008, Co-Investigator; Beth Martin, Principal Investigator.
- "Establishing a Center to Examine the Quality of Prescription Drug Use: A Pilot Study of Non-steroidal Anti-inflammatory Drugs (NSAIDs)" WEA Trust, \$183,905, February 2005 to January 2006, Co-Investigator on this joint project between the Center for Health Systems Research and Analysis (CHSRA) and the Sonderegger Research Center; Jim Robinson at CHSRA serves as Principal Investigator.
- "National Pharmacist Workforce Survey to Determine Contemporary Demographic and Practice Characteristics" Pharmacy Manpower Project, \$77,522, 15 February 2004 to 31 January 2005, Co-Investigator; Professor Mott, Principal Investigator.
- "Student Outreach to Prevent and Reduce Smoking (STOPRS)" Ira and Ineva Reilly Baldwin Wisconsin Idea Endowment, \$96,086, January 2004 to December 2006, Co-Investigator, Professor Chewning, Principal Investigator.
- "Evaluation of Participation in the Wisconsin Medicaid Pharmaceutical Care Program" Community Pharmacy Foundation, \$39,019, July 2003 to June 2004, Professor Mott is Co-Principal Investigator.
- "Updating the Prescription Drug Trends Chartbook" Kaiser Family Foundation, \$9,992; March to August 2001, Professors Mott and Wiederholt were Co-Principal Investigators.
- "Pharmacy-Based Smoking Cessation Program for Young Adults" State of Wisconsin, Department of Health and Family Services (Tobacco Control Board), \$175,084; January 2001 to December 2001, Investigator; Betty A. Chewning, Principal Investigator.
- "Pharmacy Cost of Dispensing/Acquisition Cost Study" State of Wisconsin, Department of Health and Family Services, \$49,108; October 2000 to June 2001, Principal Investigator.
- "Wisconsin Pharmacist Salary Survey 1999" Pharmacist Society of Wisconsin, June 1999, \$2000, Professors Mott and Wiederholt were Co-Principal Investigators.
- "Chartbook on Trends in the Pharmaceutical Industry" Kaiser Family Foundation, \$75,000; March to November 1999, Professors Mott and Wiederholt were Co-Principal Investigators.
- "Consumer Utilization of Prescription Drugs: An Investigation of Moral Hazard, Adverse Selection, and the Role of Medical Care Preferences" Health Care Financing Administration (dissertation award), \$19,171; January to August 1999, [Julie M. Ganther=s Dissertation Project].
- "Core Disease State Documents" Eli Lilly and Co., \$15,000, Professors Mott and Wiederholt were Co-Principal Investigators.
- "Assessment of the Impact of Pharmacy Benefit Managers" Health Care Financing Administration. \$213,165; July 1995 to June 1996, Co-Principal Investigator with Helene L. Lipton at University of California - San Francisco.
- "Insurance Coverage Change and Consumer Price Sensitivity for Brand Name Pharmaceutical Prescriptions." Burroughs Wellcome Company. \$5,000; September 1994 to August 1995.
- "Pharmaceutical Care Outcomes: The Patient Role" Agency for Health Care Policy and Research. \$2,053,460; February 1993 to January 1998, Co-Investigator on the project with several others at the School of Medicine and School of Pharmacy, Betty A. Chewning, Principal Investigator.
- "Background Paper -- Alternative Payment Methods: Value and Payment of Pharmacy Services." National Association of Chain Drug Stores. \$5,000; August to October 1992.
- "Analysis of Prescription Marketplace Parameters and Reimbursement." National Association of Chain Drug Stores. \$14,893; July 1991 to February 1992.
- "The Pharmaceutical Access and Prudent Purchasing Act of 1990: Estimating the Economic Impact on Institutional Pharmacy Providers." American Society of Hospital Pharmacy. \$1,000; August to October 1990.
- "Estimating the Costs of Inappropriate Psychotropic Medication Use among Nursing Home Patients." The Graduate School, University of Wisconsin. \$1,851; Summer 1988.
- "The Potential Impact of Drug Reimbursement Policy Changes on Community Pharmacies in Wisconsin." Sonderegger Center for Research in Pharmacy Administration, School of Pharmacy, University of Wisconsin. \$13,648; 1 November 1985 to 31 October 1986.

AWARDS AND HONORS

"Jennings Murphy Award" for best published paper in the Journal of the Pharmacy Society of Wisconsin, April 2008. "Do Wisconsin Pharmacists Believe that They Matter to their Patients?" co-authored with Lisa Guirguis (lead author).

Outstanding Chapter Advisor Award, Phi Delta Chi Fraternity, for exemplary guidance to the Delta Chapter at the University of Wisconsin, August 2006.

"Jennings Murphy Award" for best published paper in the Journal of the Pharmacy Society of Wisconsin, April 2006. "Medicaid Pharmaceutical Care Program: Pharmacy Participation and the Characteristics of Claims Submitted" co-authored with David A. Mott (lead author), Carol Hermansen-Kobulnicky, and Chia-Hung Chou.

"Wiederholt Prize" for best published paper (co-author with Julie M. Ganther), "Consumer Perceptions of Risk and Required Cost Savings for Generic Prescription Drugs", American Pharmaceutical Association, March 2002.

"Most Useful Research" for Prescription Drug Trends: A Chartbook, Wisconsin Public Health /Health Policy Institute, November 2001.

Outstanding Chapter Advisor Award, Phi Delta Chi Fraternity, for exemplary guidance to the Delta Chapter at the University of Wisconsin, August 1996.

PROFESSIONAL ASSOCIATION MEMBERSHIPS

American Association of Colleges of Pharmacy

American Pharmaceutical Association and Academy of
Pharmaceutical Science and Research

International Society for Pharmacoeconomics and Outcomes Research

Phi Delta Chi Fraternity

Pharmacy Society of Wisconsin

Phi Lambda Sigma Leadership Society

Rho Chi Honor Society