Curriculum Vita

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EDUCATION

Ph.D. in Pharmaceutical Administration, December 1986
The Ohio State University
(Major: Health Care Administration & Public Policy)

M.S. in Pharmaceutical Administration, March 1984
The Ohio State University

B.S. in Pharmacy, May 1978
University of Kansas

EMPLOYMENT

4/06 to   **Managing Partner**
Present   Desert Mentors, LLC, d/b/a MENTORx
Peoria, AZ

6/99 to   **Professor** of Pharmacy Administration
Present   Midwestern University College of Pharmacy - Glendale
Glendale, AZ

4/97 to   **Professor** of Pharmacy Administration
6/99   Purdue University College of Pharmacy
West Lafayette, IN

7/92 to   **Associate Professor** of Pharmacy Administration
4/97   Purdue University College of Pharmacy
West Lafayette, IN

12/86 to 7/92	**Assistant Professor** of Pharmacy Administration Purdue University College of Pharmacy West Lafayette, IN
9/85 to 12/86	**Graduate Research Fellow** of the American Foundation for Pharmaceutical Education (AFPE) The Ohio State University College of Pharmacy Columbus, OH
9/82 to 12/86	**Graduate Teaching Associate** The Ohio State University College of Pharmacy Columbus, OH
11/84 to 12/86	**Community Pharmacist** The Apothecary, Inc. Columbus, OH
4/80 to 8/82	**Senior Pharmacy Officer** U.S. Public Health Service, Indian Health Service - Navajo Area Gallup, NM
6/78 to 4/80	**Staff Hospital Pharmacist** Truman Medical Center Kansas City, MO

PROFESSIONAL LICENSURE

Licensed as a pharmacist in Kansas, Missouri, New Mexico and Ohio (inactive).

RESEARCH AND SCHOLARLY ACTIVITIES

Peer Reviewed Articles

Rupp MT, Warholak TL, Murcko AC. "Indication or diagnosis should be required on prescriptions." *J Manag Care Spec Pharm*, 2021;27(8):1136-9.

Rupp MT. "To Reform Pharmacy Reimbursement Begin with the Basics." *J Manag Care Spec Pharm*, 2020;26(6):713-15.

Loera C, Olsen J, So A, Murata J, Murcko A, Rupp M, Warholak T. "Prescriber and pharmacist attitudes toward inclusion of diagnosis or clinical indication on prescription orders." *J Am Pharm Assoc*, 2021; (61) e284 – e288. https://doi.org/10.1016/j.japh.2020.12.015.

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Chinthammit C, Rupp MT, Armstrong EP, Modisett T, Snead R, Warholak TL. "Evaluation of a guided continuous quality improvement program in community pharmacies." *J Pharm Policy and Practice*, 2017;10(26):1-8.

Rupp MT. "Apocalypse Now?" *Annals of Pharmacotherapy*, 2017;51(10):921-22.

Reynolds JL and Rupp MT. "Improving Clinical Decision Support in Pharmacy: Toward the Perfect DUR Alert." *J Manag Care Spec Pharm*, 2017;23:38-43.

Rupp MT. "Of Philosophers and Pharmacists." *Am J Health-Syst Pharm*, 2016;73:1278-80.

Dhavle AA, Yang Y, Rupp MT, et al. "Analysis of Clinician Notes in Electronic Prescriptions in Ambulatory Practice." *JAMA Intern Med*, 2016;176(4):463-70.

Warholak TL, Rupp MT, Zale A, Hines M, Park S. "Check it out: A practical tool for improving medication safety." *J Am Pharm Assoc* 2015;55:621-625.

Dhavle AA, Ward-Charlerie S, Rupp MT, et al. "Analysis of National Drug Code Identifiers in Ambulatory E-Prescribing." *J Manag Care Spec Pharm* 2015;21(11):1025-31.

Dhavle AA, Ward-Charlerie S, Rupp MT, et al. "Evaluating the implementation of RxNorm in ambulatory electronic prescriptions." *J Am Med Inform Assoc* 2015;0:1-9. October 28, 2015 doi:10.1093/jamia/ocv131.

Dhavle AA, Rupp MT, Sow M et al. "A Continuous Quality Improvement Initiative for Electronic Prescribing in Ambulatory Care." *Am J Med Quality* published online before print, December 11, 2014.
http://ajm.sagepub.com/content/early/2014/12/11/1062860614562948.extract

Dhavle AA, Corley ST, Rupp MT et al. "Evaluation of a User Guidance Reminder to Improve the Quality of Electronic Prescription Messages." *Appl Clin Inf* 2014;5:699-707. Published online first: August 6, 2014 at http://dx.doi.org/10.4338/ACI-2014-03-CR-0022.

Buckley KD, Rupp MT, Kurtz J et al. "Innovations in Interdisciplinary Diabetes Management: When Better Isn't Good Enough." *Clinical Diabetes* 2014;32(4):183-185.

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Warholak TL, Rupp MT, Leal S, et al. "Assessing the effect of providing a pharmacist with patient diagnosis on electronic prescription orders" *Research in Soc & Admin Pharm* 2014;10:246-51.

Rupp MT. "Attitudes of Medicare-Eligible Americans toward Mail-Service Pharmacy." *J Manag Care Pharm* 2013;19(7):564-572.

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Rupp MT "The Paperless PI: Results from a Large-Scale Field Trial in Community Pharmacy" *U.S. Pharmacist* 2006;6:102-105.

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Rupp MT "Program Planning for a Community Pharmacy Residency Support Service" *J Am Pharm Assoc* 2002;42:646-51

Desikan R, Mason HL, Rupp MT, Skehan M. "Health-related quality of life and healthcare resource utilization by COPD patients: A comparison of three instruments" *Quality of Life Research* 2002;11:739-51.

Jackson TL, Rupp MT, Newton GD. "Evaluation of the Effect of a Clinical Decision Aid and Training Program on Pharmacists' Prospective Drug Utilization Review" *Am J Pharm Educ* 2002;66(3):260-7.

Chrischilles E, Fulda TR, Byrns PJ, Winkler SC, Rupp MT, Chui MA. "The Role of Pharmacy Computer Systems in Preventing Medication Errors" *J Am Pharm Assoc* 2002;42:439-48.

Rupp MT "Pharmacy Automation: Technology-Related Needs of Community Pharmacists" *America's Pharmacist* January 2002;124:11-13

Warholak-Juarez T, Rupp MT, Salazar T and Foster S. "The Effect of Patient Information on the Quality of Pharmacists' Drug Use Review Decisions" *J Am Pharm Assoc* 2000;40:500-8.

Hammer DP, Mason HL, Chalmers RK, Popovich NG and Rupp MT. "Development and Testing of an Instrument to Assess Behavioral Professionalism of Pharmacy Students" *Am J Pharm Educ* 2000;64:141-51.

Chui M and Rupp MT. "Evaluation of Online Prospective DUR Programs in Community Pharmacy Practice" *J Manag Care Pharm* 2000;6:27-32.

Rupp MT. "Performing and Billing for Cognitive Services: Implications for the US" *Annals of Pharmacotherapy* 2000;34:401-2.

Rupp MT. "Establishing realistic performance standards for community pharmacists' drug-use-review activities in managed care" *Am J Health Syst Pharm* 1999; 56:566-7.

Dupclay L, Rupp MT, Bennett RW and Jarnagin TM. "Analysis of Grocery Chain Pharmacists' Work-Related Behaviors" *J Am Pharm Assoc* 1999; 39:74-81.

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Rupp MT. "Delivering Pharmaceutical Care for Improved Outcomes" *J Res Pharm Econ* 1997; 8(1):133-146.

McCallian DJ, Carlstedt BC, Rupp MT. "Developing Pharmaceutical Care Plans for Desired Outcomes" *J Am Pharm Assoc* 1996; NS36:270-9.

Rupp MT. "Issues for Pharmacists in Assisted Patient Death" *J Pharm Care Pain & Symptom Control* 1995; 3:43-53.

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Murray MD, Rupp MT, Overhage M, et al. "Multidimensional work sampling in an outpatient pharmacy" *Pharm Pract Manage Quarterly* 1995; 15(3):44-56.

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McCallian DJ, Carlstedt BC and Rupp MT. "Caring for Asthma Patients in a Community Pharmacy" *Am Pharm* 1994;NS34:64-73.

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Rupp MT, Schondelmeyer SW, Wilson GT and Krause JE. "Documenting prescribing errors and pharmacist interventions in community pharmacy practice" *Am Pharm* 1988; NS28:30-37.

Rupp MT and Pathak D. "Enrollment decisions in a preferred provider organization: A determinant attribute analysis -- features vs. benefits" *J Health Care Marketing* 1988;8:5-15.

Rupp MT. "What the pharmacist should know about urine testing in the workplace" *Am Pharm* 1988;NS28:19-28.

Rupp MT, Segal R and Pathak D. "Program planning of a biomedical communications center: An implementation-oriented approach" *J Biocommunications* 1988;15:2-8.

Professional Articles and Letters

Happe L, Klepser D, McAdam-Marx C, McCart M, Rascati K, Rupp, M. "Racial Disparities in Medication Use: JMCP's Response and Call for Submissions." *J Manag Care Spec Pharm* 2020;26(11):1475-6.

Happe L, Klepser D, McAdam-Marx C, McCart M, Rascati K, Rupp, M. "JMCP's Mission and Guiding Principles." *J Manag Care Spec Pharm* 2021;27(2):285.

Rupp MT. "Justice, Walmart and Lethal Abuse of Drugs." *Wall Street Journal*. January 8, 2021 (letter to the editor)

Rupp MT. "Marijuana Health Benefits Need More Study." *Wall Street Journal*, January 29, 2019 (letter to the editor).

Rupp MT. "Emotion and Feeling Beat Critical Thinking." *Wall Street Journal*, December 19, 2017 (letter to the editor).

Warholak TL, Smith K, Legner D, Rupp MT, Lee JK. "Features of Electronic Prescribing Software: A Pilot Study to Evaluate Importance and Satisfaction." *Arizona Pharm J* Spring 2012;4(1):15-20.

Bohling K, Rupp MT. "PACT: Medical Home the VA Way." *Arizona Pharm J*
    Spring 2012;4(1):21-22.

Rupp MT. "Analyzing the Costs to Deliver Medication Therapy Management Services"
    Pharmacy Today. 2011(Apr):17(4):56-64.

Kistler K and Rupp MT. "Evaluation of Alternative Workflow Models for Implementing a
    Community Pharmacy-based Immunization Clinic" *Arizona Pharm J* Spring 2010;2:29-30.

Rupp MT. "The Pharmacist's Role in Off-label Prescribing" *Arch Intern Med*, April 12,
    2010;170:658 (letter).

Rupp MT. Letter in rebuttal to the response by Flynn, et al. to "Improving medication delivery and
    counseling in community pharmacy" *J Am Pharm Assoc*. 2009;49:585.

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    Pharm Assoc.* 2009;49:712-713.

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    2007:52.

Rupp MT. "E-Prescribing: The Value Proposition." *America's Pharmacist*, April 2005:23-26

Rupp MT. "Is a Community Pharmacy Residency Right for You?" *Pharmacy Times,* April 2004.

Rupp MT "Coding Close-up: Incident-to Billing under Medicare" *America's Pharmacist,* May
    2002.

Rupp MT "Coding Corner: Diversify Your Pharmacy's Service Offerings" *America's Pharmacist*,
    July 2002.

Rupp MT "Coding Corner: The Importance of Image Management in a Service Firm" *America's
    Pharmacist*, August 2002.

Rupp MT "Coding Corner: Should You be Using a Billing Service?" *America's Pharmacist*,
    October 2002.

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    Practice Memo*, 2002;6:S1-2.

Rupp MT "Is a Community Pharmacy Residency Program right for you?" *The New Independent*,
    NCPA student newsletter, June 2000.

Rupp MT "Is a Community Pharmacy Residency right for your practice?" *The Apothagram*, PCCA
    newsletter, June 2000.

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Rupp MT "Coding Corner: New Patient" *America's Pharmacist* August, 2001;123:39-40.

Rupp MT "Coding Case: Weight Management" *America's Pharmacist* October ,2001;123:76-77.

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Rupp MT "Coding Corner: Selecting Services" *America's Pharmacist* February, 2002;124:36.

Rupp MT "Coding Closeup: Pharmacist Certification" *America's Pharmacist* March, 2002;124:32

Rupp MT "Coding Corner: The Nature of Services" *America's Pharmacist* April, 2002;124:33.

Warholak-Juarez T and Rupp MT. "The Effect of Patient Information on the Quality of Pharmacists' Drug Use Review Decisions." The IHS Provider Nov 1999: 175-6.

Rupp MT. "Coding Case: Roster billing for flu vaccines" *IPC* Jan/Feb 1999:6-7.

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Rupp MT. "Coding Close-up: When to use Drug-Allergy (DA)" *IPC* Nov/Dec 1998:6.

Rupp MT. "Coding Corner: HCPCS codes" *IPC* Nov/Dec 1998:8.

Rupp MT. "Coding Case: Cholesterol Testing" *IPC* Sep/Oct 1998:6-8.

Rupp MT. "Coding Corner: CPT coding" *IPC* Sep/Oct 1998:8.

Rupp MT. "Coding Close-up: Documenting Drug-Disease Interactions" *Inside Pharmacist Care* Jul/Aug 1998:4.

Rupp MT. "Coding Corner: Human Resource Management" *IPC* Jul/Aug 1998:8.

Rupp MT. "Stolte SK, McCallian DJ, Rupp MT, and Abel SR. "Template Description of a Community Pharmacy Practice Residency Program" *Indiana Pharmacist* 1998;79:27-31.

Rupp MT. "Coding Close-up: Billing on the HCFA-1500 From: ICD-9 Codes" *Inside Pharmacist Care* Mar/Apr 1998:6.

Rupp MT. "Coding Corner: NCQA and HEDIS" *Inside Pharmacist Care* Mar/Apr 1998:8.

Rupp MT. "Coding Close-up: Understanding RBRVS" *Inside Pharmacist Care* May/Jun 1998:4.

Rupp MT. "Coding Case: Compliance Counseling Referral" *Inside Pharmacist Care* May/Jun
    1998:6-7.

Rupp MT. "Coding Corner: Marketing Disease Management" *Inside Pharmacist Care*
    May/Jun 1998:8.

Rupp MT. "Coding Care: Health Provider Referral" *Inside Pharmacist Care* Jan/Feb 1998:
    4-5.

Rupp MT. "Coding Corner: Levels of Services" *Inside Pharmacist Care* Jan/Feb 1998:8.

Rupp MT. "NCPA's Claim Form: What Each Section Means" Inside Pharmacist Care
    Nov/Dec 1997:2

Rupp MT. "Coding Corner: Major Medical Claims *Inside Pharmacist Care* Nov/Dec 1997:8.

Rupp MT. "Coding Corner: Pricing Services." *Inside Pharmacist Care* Sep/Oct 1997:8.

Rupp MT. "Coding Case: Prothrombin Time Analysis." *Inside Pharmacist Care* Sep/Oct
    1997:4-5.

Rupp MT. "Coding Corner: CPT and ICD-9 Codes." *Inside Pharmacist Care* Jul/Aug 1997:8.

Rupp MT. "Coding Case: Laboratory Test Needed." *Inside Pharmacist Care* Jul/Aug 1997:
    6-7.

Rupp MT and Kreling DH. "The Impact of Pharmaceutical Care on Patient Outcomes," *Drug
    Benefit Trends* 1997;9:35-37.

Rupp MT. "Coding Corner: Levels of Services." *Inside Pharmacist Care* May/Jun 1997:8.

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Rupp MT. "Coding Case: Additional Drug Needed." *Inside Pharmacist Care* Mar/Apr 1997:
    4-5.

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Rupp MT. "Clinical Laboratory Tests." *Inside Pharmacist Care* Jan/Feb 1997:2.

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Rupp MT. "Possible Uses for Suboptimal Drug/Indication (SD)." *Inside Pharmacist Care* Winter 1996:2.

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Chater R, Dockter D, Haddad A, Rupp MT, Vivian JC, and Weinstein B. "Ethical decision making in pharmacy practice" *Am Pharm* 1993;NS33:70-82.

Rupp MT. "Pharmacist interventions in community practice: The Ohio experience" *Ohio Pharmacist* 1992;41:12-15.

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Rupp MT. "Drug is not a four-letter word" *Am Pharm* 1990;NS30:44-45.

Rupp MT. "Experience with AA visitation as a course requirement" *Teaching the History and Social Aspects of Pharmacy* 1990;22:2-3.

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Books and Manuals

Rupp MT and Peters SJ. *Marketing Your Professional Services: A Sales-Oriented Approach,* National Institute for Pharmacist Care Outcomes;2002.

Rupp MT. *Diabetes Care Manual*, Version 1.2, published by NIPCO/NCPA, 2001.

Rupp MT. *Pharmacist Care Claim Form User's Manual: a guide to pharmacist care documentation and compensation*, 3rd Edition, published by NCPA, 2000.

Rupp MT. *Pricing Pharmacist Care Services*, published by NCPA, 1999.

Rupp MT. *Communicating Pharmacist Care to Managed Care,* published by NCPA, 1997.

Rupp MT. *Pharmacist Care Claim Form User's Manual: a guide to pharmacist care compensation*, 2nd Edition, published by NCPA, 1997.

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Book Chapters

Warholak TL and Rupp MT. "Learning from Community Pharmacists' Interventions on Electronic Prescriptions" in *Informatics Pearls*, American Society of Health Systems Pharmacists, Bethesda MD, 2009.

Rupp MT. "Analyzing the Cost of Delivering Value Added Pharmacy Services" in *Buying a Pharmacy: A 'How-To' Guide*, NCPA Management Institute, 2008.

Rupp MT. "Documenting, Billing and Reimbursement for Pharmaceutical Care Services" in *Remington: The Science and Practice of Pharmacy, 21th Edition*, Lippincott Williams & Wilkins, 2006.

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Rupp MT. "Pharmacist Issues in Assisted Patient Death" in *Drug Use in Assisted Suicide and Euthanasia*, Margaret P. Battin and Arthur G. Lipman, ed., Haworth Press, 43-53.

Rupp MT. "Compensation for Pharmaceutical Care" in *Pharmaceutical Care*, Calvin H. Knowlton and Richard P. Penna, Ed. Chapman & Hall, 1995.

Book Reviews

Rupp MT. *Managed Competition and Pharmaceutical Care and Pharmaceutical Care*, Dev S. Pathak and Alan Escovitz, Eds., in *Pharmaceutical Research* 1997;14:551.

Rupp MT. *Death and Dignity: Making Choices and Taking Charge* by Timothy E. Quill, M.D. in *Am J Hosp Pharm* 1994;51:2612.

Continuing Education Programs

Rupp MT. "Developing a Personal Philosophy of Failure," video recorded presentation for CEImpact , October 20, 2021. Podcast promo: https://lnkd.in/gxdJ7-kS

Rupp MT. "Marketing Specialized Pharmacy Services from Community Pharmacy Residency Program Sites" presented as a live nationwide Internet CE program, May 22, 2002.

Rupp MT. "The Family PharmaCare Center: Re-Inventing Community Pharmacy Practice," videotape educational program written and directed by MT Rupp, 9 minutes.

Rupp MT. "Compensation for Professional Service in the Delivery of Pharmaceutical Care," videotape and live national broadcast on the PharmEdNet, division of MEDIVISION/MedEdNet, July 14, 1994.

Blank JW, McCallian DJ, and Rupp MT. "OBRA '90 - The Challenge to Pharmacy: Drug Use Review and Patient Counseling," videotape and workbook, November 1992.

Research Papers and Abstracts (selected)

"Should Clinical Indication be Required on Prescriptions?" MT Rupp, T Warholak, A Murcko. Arizona Osteopathic Medical Association Annual Meeting, Scottsdale, AZ, April 12, 2019. (podium)

"Pharmacists' Attitudes towards Including Diagnosis or Clinical Indication On Prescriptions," J Murata, T Warholak, MT Rupp. Academy of Managed Care Nexus Meeting, Orlando, FL, October 24, 2018. (poster paper with abstract appearing in *JMCP* Vol 24, No. 10-a)

"Should Clinical Indication be Required on Prescriptions in Arizona?" MT Rupp, T Warholak, J Murata. Southwestern Clinical Pharmacy Seminar, Tucson, AZ, April 29, 2018. (podium)

"A Randomized Controlled Study of the Effectiveness of Pharmacy Quality Commitment – A Standardized Continuous Quality Improvement Program in Community Pharmacies," C Chinthammit, MT Rupp, T Modisett, T Warholak. International Society for Quality in Health Care, Doha, Qatar, October 4, 2015.

"Improving the Safety of Medication Use: a community pharmacy perspective," MT Rupp. Office of Surveillance and Epidemiology, FDA, Silver Spring, MD, February 25, 2014.

"What Elder Chinese-Americans Value in their Pharmacist," K Liu, MT Rupp. Arizona Pharmacists Association Annual Meeting, Tucson AZ, June 29, 2013.

"Analysis of Costs to Dispense Prescriptions in Independently Owned Long-Term Care Pharmacies," Rupp MT, Carroll NV. National webinar to LTC pharmacist members of NCPA, June 13, 2013.

"Designing a University Veterinary Pharmacy," MT Rupp. Society of Veterinary Hospital Pharmacists Annual Meeting, Raleigh NC, June 11, 2013.

"National Survey of University Veterinary Pharmacies," Lathim H, Rupp MT, McCallian DM. Society of Veterinary Hospital Pharmacists Annual Meeting, Raleigh NC, June 10, 2013.

"Effect of Providing Pharmacists with Patient Diagnosis on Electronic Prescription Orders: A Pilot Study." *J Am Pharm Assoc* 2012;52(2):234-5.

"Evaluating the Feasibility of Expanding a Successful Program to Increase Community Pharmacy Services," JL Rodis, BT Jennings, MT Rupp, et al. APhA2011 Meeting & Exposition, Seattle, WA, March 25-28, 2011. (poster paper)

"Implementation of an Oncology Medication Stewardship Program," K Calabro MT Rupp, K Kistler. Western States Conference for Pharmacy Residents, Pacific Grove, California, May 24-27, 2011. (poster paper)

"Assessment of an Internet-based Seminar for Breast Cancer Patients Taking Xeloda," L Hitchingman, MT Rupp, E Sredzinski. Western States Conference for Pharmacy Residents, Pacific Grove, California, May 24-27, 2011. (poster paper)

"Adoption of Electronic Prescribing and Electronic Health Records among Arizona's Federally Qualified Health Centers," KR Saverno, TL Warholak, MT Rupp, M Rutala. American Medical Informatics Association Spring Congress, Phoenix, Arizona. May 25-27, 2010. (poster paper)

"Evaluation of Workflow Models in a Community Pharmacy-based Immunization Clinic," K Kistler, MT Rupp. APhA2010 Annual Meeting & Exposition, Washington, DC, March 13, 2010 and published in *J Am Pharm Assoc* 2010;50:230. (poster paper)

"Use of the PharmAccount Cost-of-Service Calculator in Developing Advanced Patient Care Services in Community Pharmacies," JL Rodis, JE Legg and MT Rupp. APhA2009 Annual Meeting & Exposition, San Antonio, TX, April 5, 2009. (poster paper)

"Medication Therapy Management Services (MTMS) Relative Value Scale Survey," BJ Isetts, DE Buffington and MT Rupp. APhA2009Annual Meeting & Exposition, San Antonio, TX, April 5, 2009. (poster paper)

"Attitudes of Chain Pharmacy Personnel toward e-Prescriptions," MT Rupp and T Warholak-Jackson, *Value in Health* 2007;10:A31. (poster at ISPOR)

"Analysis of Community Pharmacists' Interventions on Electronic Prescription Errors," T Warholak-Jackson and MT Rupp. *Value in Health* 2007;10:A35. (poster at ISPOR)

"Measuring the Impact of E-Prescribing on Staff Productivity and Dispensing Costs in Community Pharmacy," MT Rupp. APhA2005 Annual Meeting & Exposition, Orlando, FL, April 3, 2005. (poster paper)

"Evaluation of Computer Generated DUR Alerts in Community Pharmacy," M Chui and MT Rupp. APhA2005 Annual Meeting & Exposition, Orlando, FL, April 3, 2005. (podium session)

"Design and Implementation of a National Community Pharmacy Residency Support Service," MT Rupp and GE MacKinnon. International Pharmaceutical Federation (FIP) Annual Meeting, Sydney, Australia, September, 2003. (poster paper)

"Evaluation of a Systematic Process for Conducting Prospective Drug Utilization Review in Pharmacy Practice," TL Jackson, GD Newton and MT Rupp. AACP Annual Meeting, Kansas City, MO, July 2002. (poster paper)

"Needs Assessment of Community Pharmacy Residency Programs using the Nominal Group Technique," M.T. Rupp. American Association of Colleges of Pharmacy Annual Meeting, Toronto, July 10, 2001. (poster paper)

"Improving Time Management Skills of Students with Academic Performance Problems," J Hall and MT Rupp. American Association of Colleges of Pharmacy Annual Meeting, Toronto, July 10, 2001. (poster paper)

CommuniRes: Providing Comprehensive Training and Support Services for Community Pharmacy Residency Programs," MT Rupp and GE MacKinnon. AACP Annual Meeting, Toronto, July 10, 2001. (poster paper)

"The Effect of Patient Information on the Quality of Pharmacists' Prospective DUR Decisions," T Warholak-Juarez, MT Rupp. APhA1999 Annual Meeting, March 7, San Antonio, TX. (poster paper)

"Evaluation of On-line Prospective DUR Programs in Community Pharmacy Practice," M Chui, MT Rupp. APhA1999 Annual Meeting, March 6, San Antonio, TX. (podium paper)

"Empirical Development, Testing and Validation of an Instrument to Assess Behavioral Professionalism of Pharmacy Students," DL Purkerson, RK Chalmers, HL Mason, NG Popovich, MT Rupp. APhA1999 Annual Meeting, March 6, San Antonio, TX. (poster paper)

"Evaluation of Online Prospective DUR Programs in Community Pharmacy Practice," M Chui, MT Rupp. Joint Technical Work Group meeting of NCPDP, August 10, 1998. (podium paper)

"Health-Related Quality of Life and Health Care Resource Utilization of COPD Patients: A Comparison of Three Instruments," R Desikan, HL Mason, MT Rupp. APhA1998 Annual Meeting, March 21, Miami, FL. (poster paper)

"Measuring Chain Pharmacists' Work using Multidimensional Work Sampling," L Dupclay, MT Rupp APhA1998 Annual Meeting, March 21, Miami, Fl. (podium presentation)

"Measuring Changes in Patient Satisfaction Resulting from Implementation of Computer-assisted Drug Utilization Review," MT Rupp, B Finn, D Ebbler, M Murray, J Main. ASHP Midyear Clinical Meeting, December 4-8, 1994, Miami Beach, FL. (poster paper)

"A Drug Utilization Evaluation Primer: Conceptual and Operational Aspects," MT Rupp, W Yates, S Schondelmeyer. Group Health Association of America Annual Meeting, June 23-26, 1991, New York, NY. (podium paper)

"Ongoing Documentation of Pharmacist Interventions," R Robertson, MT Rupp, J Jacobi, K Shields. ASHP Midyear Clinical Meeting, December 2-6, 1990, Las Vegas, NV. (poster paper)

"Community Pharmacists' Interventions: Analysis of Spontaneous Reports," M DeYoung, MT Rupp. 1990 Midwest Pharmacy Administration Conference, August 25, 1990, Cincinnati, OH (podium paper)

"Assessing Pharmacists' Needs for Marketing-Related Knowledge and Skills," B Szkudlarek, MT Rupp. AACP Annual Meeting, July 10, 1990, Salt Lake City, UT. (poster paper)

"Pharmacists' Resolution of Prescribing Errors in Community Practice: An Estimate of Value Added," APhA1989 Annual Meeting, April 10, Anaheim, CA (podium paper).

"Documentation and Evaluation of Prescribing Errors in Community Pharmacy Externship Sites," AACP Annual Meeting, August 3, 1988, Chicago, IL (podium paper).

Published Reports and Proceedings

Lapane K, Whittemore K, Rupp MT, et al. "Maximizing the Effectiveness of e-Prescribing Between Physicians and Community Pharmacies." Final Report on Grant Award No. 1 U18 HS016394-01, submitted to the Agency for Healthcare Research and Quality, February 1, 2007.

Ramaswamy K and Rupp MT. "Development and Validation of a Generalizable Model for Constructing Nonprescription Drug Formularies." Summary Report submitted to project sponsor, McNeil Consumer Products, February 12, 1998.

Rupp MT. "Managed Care Schemes in the U.S." in proceedings of a Working Group Meeting on Getting Paid for Patient-Focused Services sponsored by the Canadian Pharmaceutical Association, November 18-19, 1994, Toronto, Ontario.

A New Outpatient Pharmacy Services Benefit: Achieving Value From Pharmacists' Services. 1994. Model Pharmacy Benefit Advisory Committee, The American Pharmaceutical Association, Washington, D.C.

The Pharmacist's Role in Primary Care. 1994. Model Pharmacy Benefit Advisory Committee, The American Pharmaceutical Association, Washington, D.C.

Principles of Practice for Pharmaceutical Care. 1995. Pharmaceutical Care Guidelines Advisory Committee, The American Pharmaceutical Association, Washington, D.C.

Rupp MT and Kreling DH. *The Impact of Pharmaceutical Care on Patient Outcomes: What Do We Know?* prepared for "Patient Outcomes of Pharmaceutical Interventions: A Scientific Foundation for the Future," a conference sponsored by The American Pharmaceutical Association Foundation, November 14-15, 1994, 41 pages.

Rupp MT. *Paying Pharmacists to Meet Patients' Needs: the American Experience,* proceedings of the Conference on Pharmaceutical Remuneration held at the Royal Pharmaceutical Society of Great Britain, London, December 2, 1993.

Rupp MT and Kreling DH. *Alternative Payment Methods: Value and Payment of Pharmacy Services,* prepared for the National Association of Chain Drug Stores, Alexandria, VA, October 1992, 38 pages.

Rupp MT, DeYoung M and Schondelmeyer SW. *Prescribing Problems and Pharmacist Interventions in Community Practice: A Multicenter Study - Final Report*, prepared for The American Pharmaceutical Association Foundation, Washington, DC, 1991, 84 pages.

Yates WN, Rupp MT and Schondelmeyer SW. *A Drug Utilization Evaluation Primer: Conceptual and Operational Aspects*, in the Proceedings of the Group Health Association of America, 1991 Annual Meeting, June 25, 1991, 12 pages.

Invited Presentations (selected)

"Should Clinical Indication or Diagnosis be Required on Prescriptions?" live via teleconference to Indiana Pharmacists Association, February 10, 2022.

"Should Clinical Indication be Required on Prescriptions?" Arizona Nurse Practitioner Council webinar, September 3, 2019, University of Arizona, Tucson, AZ.

"Should Clinical Indication be Required on Prescriptions?" Arizona Osteopathic Medical Association Annual Convention, April 12, 2019, Scottsdale, AZ.

"Managing Medication Safety: A Skills-based Approach," 49th Southwestern Clinical Pharmacy Seminar, February 20, 2016, Tucson, AZ.

"Analyzing the Costs to Deliver MTM Services," APhA2011 Annual Meeting & Exposition, March 27, 2011 Seattle, WA.

"Analysis of Dispensing Costs Using an On-line Resource," APhA2011 Annual Meeting & Exposition, March 27, 2011 Seattle, WA.

"Melding Theory and Practice: Management Education at MWU-CPG," presented to faculty of Auckland University, October 12, 2010, Auckland, New Zealand.

"Building the Business Model for Professional Services: Cost Analysis and Pricing Decisions," presented to the Auckland branch of the Pharmaceutical Society of New Zealand, October 12, 2010, Auckland, New Zealand.

"E-prescribing: The Pharmacy Perspective," presented as part of A National Web Conference on E-Prescribing and Medication Management: The New Paradigm for Provider and Pharmacist Interaction sponsored by the Agency for Health Research and Quality (AHRQ), June 23, 2009.

"Beyond Time: Documenting the Value of a MTM Service Encounter," presented at the American Society for Automation in Pharmacy meeting at Kiawah Island, SC, January 14, 2009.

"Economics of MTM Services," presented at the Idaho Society of Health Systems Pharmacists Midyear Meeting, April 19, 2009, Boise, ID.

"Cost of Dispensing & Service Delivery Made Easy," presented at the California Pharmacy Foundation's Outlook 2009, February 20, 2009, Anaheim, CA.

"Recent Advances in Reimbursement for MTM Services," presented at the Arizona Pharmacy Alliance Midyear Meeting, January 31, 2009, Scottsdale, AZ.

"Building the Business Model for MTM Service," presented at the Tennessee Pharmacists Association Annual Convention, August 2, 2008, Point Clear, AL.

"The Expanding World of Electronic Prescribing," presented at the Tennessee Pharmacists Association Annual Convention, August 1, 2008, Point Clear, AL.

"The Economics of MTM Services" presented at the American College of Apothecaries Annual Conference, September 28, 2007, Scottsdale, AZ.

"Evaluating the Impact of Technology on Pharmacy Practice" presented to the American Society for Automation in Pharmacy's Annual Industry and Technology Issues Conference, January 11, 2007, Carefree, AZ.

"e-Prescribing: Past, Present and Future" presented at the 41st ASHP Midyear Clinical Meeting & Exposition, December 6, 2006, Anaheim, CA.

"Measuring the Impact of E-Prescribing on Staff Productivity and Dispensing Costs in
Community Pharmacy" presented to the National State Pharmacy Association Executives at
the APhA Annual Meeting & Exposition, April 2, 2005, Orlando, FL.

"Reflections on the Role of Technology in Pharmacy Practice" presented to the
American Society for Automation in Pharmacy Annual Midyear Meeting, June 24, 2004,
Carefree, AZ.

Rupp MT, McCallian DJ "How to Establish a Community Pharmacy Residency Program"
presented at the American College of Apothecaries Annual Meeting, April 16, 2004,
Scottsdale, AZ.

Rupp MT, Peters SJ and McCallian DJ "Marketing Your Professional Services: A Sales-Oriented
Approach" presented at the United Drugs Technology and Profitability Conference,
February 5, 2004, Las Vegas.

Rupp MT and Peters SJ "Marketing Your Professional Services: A Sales-Oriented Approach"
presented at the McKesson Annual Meeting, July 9, 2003, Orlando.

"Orientation to the X12N 837 Companion Guide for Pharmacy Professional Claims" presented to
the NCPA Technology Seminar, October 19, 2002, Nashville.

"Workflow and Facility Design" presented at the NCPA Technology Symposium,
October 19, 2002, Nashville.

"Technology-Related Needs in Community Pharmacy Practice" presented at the
Technology Symposium at the NCPA Annual Meeting, March 13, 2002, Philadelphia.

"Optimizing Use of Personnel" presented at the Technology Symposium at the NCPA
Annual Meeting, March 13, 2002, Philadelphia.

"The Role of Community Pharmacy Residency Programs in Advancing Pharmacist Care" presented
to National Association of State Pharmacy Association Executives at the NCPA Annual
Meeting, March 13, 2002, Philadelphia.

"Pricing Pharmacist Care Services" ASHP Annual Meeting. 57(Jun): p PI-45-2000, Philadelphia,
PA (podium session).

"Documentation and Billing for Professional Services: The New PCCF," NCPA 101st Annual
Convention, Las Vegas, NV, October 16, 2000.

"Managing a Community Pharmacy-Based Diabetes Care Program," NCPA 100th Annual
Convention, St. Louis, MO, October 18, 1999.

"Communicating Pharmacist Care to Managed Care," NCPA 99th Annual
       Convention, Denver, CO, October 27, 1997.

"Developing, Implementing, and Marketing Disease Management," Faulding 1997
       Off-shore Conference, London, England, August 28, 1997.

"Issues and Initiatives in Pharmaceutical Care: The U.S. Experience," Faulding
       1997 Off-shore Conference, London, England, August 26, 1997.

"Pharmaceutically Assisted Suicide: Issues for Pharmacists," National Association
       of Boards of Pharmacy 93rd Annual Meeting, San Diego, CA, May 20, 1997.

"Billing for Pharmacist Care," NARD Rx Expo '97, San Diego, CA May 6, 1997.

"Billing for Pharmacist Care," American College of Apothecaries' Specialty
       Training Program in Respiratory Disease, Olive Branch, MS, March 23, 1997.

"The Next Step in Pharmacist Care Documentation: A New National Coding Methodology,"
       NARD's 98th Annual Convention, October 12-16, 1996, New Orleans, LA.

"Documenting Pharmacist Care: The New Coding Standard," Midwest Grocery and
       Convenience Store Trade Show, September 11, 1996, Indianapolis, IN.

"Documenting Pharmacist Care: The New Coding Standard," Indiana Pharmacists Association
       Annual Convention, August 11, 1996, French Lick, IN.

"Developing, Implementing, and Marketing Disease State Management," Midwest Pharmacy
       Conference, August 1, 1996, Kansas City, MO.

"Documenting Pharmacist Care: The New Coding Standard," Midwest Consultant Pharmacists
       Annual Meeting, July 28, 1996, Indianapolis, IN.

"Documenting Pharmacist Care: The New Coding Standard," Oklahoma Pharmacist
       Association Annual Convention, June 22, 1996, Checotah, OK.

"Documenting Pharmacist Care: The New Coding Standard," Georgia Pharmacy Association
       Annual Meeting, June 17, 1996, Savannah, GA.

"Developing, Implementing, and Marketing Disease State Management," Iowa Pharmacists
       Association Meeting, June 16, 1996, Des Moines, IA.

"Documentation and Billing for Pharmacist Care," NARD ☐ Expo '96, May 9, 1996,
       Philadelphia, PA.

"Documentation and Billing for Pharmacist Care," ACA Midyear Conference, May 8, 1996, Philadelphia, PA.

"Data Collection Issues in Pharmacy Practice Research," APhA Annual Meeting & Exposition, March 11, 1996, Nashville, TN.

"Documenting Pharmacist Care: The New Coding Standard," Michigan Pharmacist Association Annual Meeting, February 25, 1996, Dearborn, MI.

"Allocation Decisions in Managed Care: Drug Formulary Issues," The Hastings Center, February 2, 1996, Briarcliff Manor, NY.

"A Standard Coding System for Documenting Professional Pharmacy Services," Ohio Pharmacists Association Midyear Meeting, November 5, 1995, Columbus, OH.

"The Next Step in Pharmacist Care Documentation: A New National Coding Methodology," NARD Annual Convention & Trade Exposition, October 9, 1995, Las Vegas, NV.

"The Pharmacy Services Benefit: It's More Than Prescription Drugs," Ontario Pharmacists Association Meeting "Managed Care Revolution: Pharmacists Do Make A Difference," September 20, 1995, Toronto, Ontario.

"Measuring Patient Outcomes," Harris Methodist Hospital, August 1, 1995, Ft. Worth, TX.

"Professional Services Delivery, Documentation and Compensation: The Family PharmaCare Experience," Arkansas Pharmacists Association Annual Convention, June 16, 1995, Springdale, AR.

"Orientation to a New Electronic Billing System for Professional Pharmacist Services," NARD Rx Expo '95, May 5, 1995, Dallas, TX.

"Documenting Professional Services: Key to Compensation," University of Kansas, April 19, 1995, Lawrence, KS.

"Drug Use in Assisted Suicide and Euthanasia: Issues for Pharmacists," 4th Annual National Health Forum, "Physician-Assisted Death: Implication for Patient Care Providers and Society," University of Florida, March 11, 1995, Amelia Island, FL.

"AHCPR Medication Studies Research Projects Update - Computer-based Prospective Drug Utilization Review," The APhA's Annual Meeting & Exposition, March 18, 1995, Orlando, FL.

"Recent Developments in Billing Standards," NARD Annual Convention & Trade Exposition, October 18, 1994, Boston, MA.

"The Economic Implications of Pharmaceutical Care: Obtaining Reimbursement for
      Cognitive Services," Illinois Pharmacists Association Annual Meeting, October 1, 1994,
      St. Louis, MO.

"The Pharmacy Services Benefit: It's Not Just Prescription Drugs Anymore," Blue Cross and
      Blue Shield Association's 3rd annual conference on Managing the Prescription Drug
      Benefit, September 26, 1994, Arlington, VA.

"Getting Paid for Professional Services: The Family PharmaCare Experience," MPA/MSHP
      1994 Midyear Clinical Meeting, September 23, 1994, Springfield, MO.

"Getting Paid for Professional Services: The Family PharmaCare Experience," College of
      Pharmacists of Puerto Rico Annual Meeting, September 16, 1994, Dorado, PR.

"Getting Paid for Professional Services: The Family PharmaCare Experience," Texas
      Pharmacists Association Annual Meeting, July 15, 1994, San Antonio, TX.

"Obtaining Reimbursement for Cognitive Services," The APhA's Annual Meeting &
      Exposition, March 22, 1994, Seattle, WA.

"AHCPR Medication Studies Research Projects Update - Computer-based Prospective
      Drug Utilization Review," The APhA's Annual Meeting & Exposition,
      March 19, 1994, Seattle, WA.

"Getting Paid for Professional Services: What, Why, Who and How?" Michigan
      Pharmacists Association 1994 Interim Meeting, February 18, 1994, Dearborn, MI.

"Implementing a Community Pharmacy-based Self-Care Consulting Service," Connecticut
      Pharmacists Association Annual Mid-Winter Meeting, February 5, 1994,
      Cromwell, CT.

"Designing Pharmaceutical Payment Systems," Royal Pharmaceutical Society of Great
      Britain, December 2, 1993, London, England.

"Getting Paid for Professional Services: Challenges and Opportunities," NARD's 95th
      Annual Convention & Trade Exposition, October 25, 1993, Indianapolis, IN.

"Drug Use Review and Counseling Strategies," Indiana Pharmacists Association,
      September 18, 1993, Indianapolis, IN.

"Payment for Cognitive Services: What, Who, How and Why?" Texas Pharmaceutical
      Association Annual Meeting & Exhibit, June 17, 1993, Lubbock, TX.

"Documenting Cognitive Services: Gateway to Compensation," Wisconsin Pharmacists
      Association, August 14, 1993, Appleton, WI.

"Medication Errors: Causes, Effects & Prevention," APhA Annual Meeting & Exposition, March 21, 1993, Dallas, TX.

"Ethical Issues in Pharmaceutical Care," APhA Annual Meeting & Exposition, March 23, 1993, Dallas, TX.

"Cognitive Services: Controlling Costs and Improving Patient Care," Ohio Pharmaceutical Seminar, April 20, 1993, Columbus, OH.

"Outcome Measurement and Payment for Cognitive Services," University of Maryland Invited Seminar Series, May 4, 1993, Baltimore, MD.

"OBRA '90 and Pharmaceutical Care: Mandate or Motivate," Iowa Pharmacists Association/ Iowa Society of Hospital Pharmacists Joint Educational Expo, January 30, 1993, West Des Moines, IA.

"Documentation of Cognitive Pharmacy Services," ASHP Midyear Clinical Meeting, December 9, 1992, Orlando, FL.

"Strategies for Reimbursement," 21st Annual University of Florida Law and Management Conference, November 21, 1992, Orlando, FL.

"Measuring Patient Outcomes," Washington State Society of Hospital Pharmacists, October 23, 1992, Tacoma, WA.

"Increasing Pharmacists' Access to Clinical Information," joint session of APhA Policy Committees on Public and Professional Affairs, September 25, 1992, Washington, D.C.

"Going for the Gold: Adding and Receiving Value through Professional Services," Missouri Pharmacist Association, June 5, 1992, Tan-Tar-A Resort, MO.

"Marketing New Pharmacy Services to Third Party Payers: Challenge of the 90's," Third Annual Charles C. Rabe Symposium, April 23, 1992, St. Louis College of Pharmacy.

"How Chain Pharmacies can Market Pharmaceutical Care to Third Parties," Auburn University School of Pharmacy Visiting Scientist Seminar Program, October 21, 1991, Auburn, AL.

"Documenting Pharmacists' Services: Prelude to Reimbursement for Professional Services," Ohio Pharmacists Association Annual Meeting, April 28, 1991, Toledo, OH.

"Value Added Services: Screening for Prescribing Errors," Annual Meeting of The American Pharmaceutical Association, March 10, 1991, New Orleans, LA.

"Assessing Professional Activity: Evaluating Performance and Impact," University of Toledo College of Pharmacy's Expanding Hospital Pharmacy Services Seminar, November 10, 1990, Toledo, OH.

"The Pharmacist's Role in Preventing Medication Errors," California Pharmacists Association Western Pharmacy Education Faire, September 8-9, 1990, Anaheim, CA.

"Issues in Health Care Education: A look toward the 21st Century - A Pharmacy Perspective," presented at the first joint Annual Meeting of The Institute of Management Science/Operations Research Society of America, April 26, 1988, Washington, DC.

PATENTS

"System and Method for Managing Prescription Data to Detect Pathogens" Patent number 8,126,741. Inventors: William Rex Akers, Craig Alan Walker, Michael T. Rupp, Gregory B. Ehrhardt, Brian M. Hudson, Matthew M. Bergmann. Issued by USPTO February 28, 2012.

"System and Method for Managing Prescription Data" Patent number 7,899,686. Inventors: William Rex Akers, Craig Alan Walker, Michael T. Rupp, Gregory B. Ehrhardt, Christian T. Ehrhardt, Brian M. Hudson, Matthew M. Bergmann. Issued by USPTO March 1, 2011.

"System and Method for On-line Analysis and Reporting of Financial Operation Data from Community Pharmacies" Patent No. 2003204214. Inventor: Michael T. Rupp. Issued by the Australian Patent Office, January 7, 2005.

"System and Method for On-line Analysis and Reporting of Financial Operation Data from Community Pharmacies" Inventor: Michael T. Rupp. Patent application number 10/180400. Publication date: December 25, 2003. (pending)

"System and Method for Managing Prescription Data to Generate Prescription Refill Data" Patent application number: 20110196696. Inventors: William Rex Akers, Craig Alan Walker, Michael T. Rupp, Gregory B. Ehrhardt, Christian T. Ehrhardt, Brian M. Hudson, Matthew M. Bergmann. Publication date: August 11, 2011. (pending)

"System and Method for Managing Prescription Data to Determine Approved Prices" Patent application number: 20110196697. Inventors: William Rex Akers, Craig Alan Walker, Michael T. Rupp, Gregory B. Ehrhardt, Christian T. Ehrhardt, Brian M. Hudson, Matthew M. Bergman. Publication date: August 11, 2011. (pending)

GRANTS AND AWARDS (PI = Principal Investigator)

$60,000   "National Survey of Provider Attitudes Toward Requiring Clinical Indication or Diagnosis on Prescription Orders," funded by the National Council for Prescription Drug Programs Foundation, Scottsdale, AZ, March 8, 2022 (Co-PI).

$24,415   "Improving Medication Safety by Providing Pharmacists with Diagnosis on Electronic Prescription Orders," funded by The Cardinal Foundation, subaward from El Rio Community Health Center, Tucson, AZ, November 2, 2010 (Co-PI).

$35,000   "Expanding a Successful Program to Increase the Number and Quality of Services in Community Pharmacy," funded by the Community Pharmacy Foundation, subaward from The Ohio State University, August 9, 2010 (Co-Investigator).

$1,998,370 "Maximizing Effectiveness of e-Prescribing Between Physicians and Community Pharmacies" funded by AHRQ (Grant Number: 1 U18 HS016394-01), subaward from Surescripts LLC, December 30, 2005. (Co-Investigator)

$5,000   "Survey of PDR *On-Demand* Users" funded by Thomson Healthcare, December 10, 2004 (PI)

$59,500   "Measuring the Impact of E-Prescribing on Staff Productivity and Dispensing Costs in Community Pharmacy" funded by Surescripts LLC, May 13, 2004 (PI)

$30,000   "Evaluation of Computer-generated DUR Alerts in the Community Pharmacy" funded by the Community Pharmacy Foundation, March 2003 (Co-Investigator).

$2,500   "A Survey of Technology-Related Needs of Community Pharmacies," funded by the NCPA Foundation, October 2001 (PI).

$90,000   "Advancing Community Pharmacy Practice," funded by grants of $30,000 each from Professional Pharmacy, Boswell West Pharmacy and Scottsdale Apothecary, July 2002 (co-PI).

$10,000   "Implementing a Community Pharmacy-based Lipids Testing Program," awarded by the McKesson HBOC Foundation, September 1, 2000. (PI)

$250,000 "CommuniRes: Preceptor Training and Support Program for Community Pharmacy Practice Residencies," awarded by the Institute for the Advancement of Community Pharmacy, June 17, 2000. (PI)

$60,000   "Development of a Model Community Pharmacy Practice Residency Program," awarded by the Merck Company Foundation, February 16, 1999. (PI)

$7,000   "Implementing a Community Pharmacy-based Warfarin Management Program," awarded by DuPont Pharma, 9/97. (PI)

$7,720   "Evaluation of the Impact of Online Prospective DUR Programs on Community Pharmacy Practice," awarded by the NCPA Foundation, September 2, 1997. (PI)

$16,000   "Implementing Pharmaceutical Care in Chain Pharmacies," awarded by
Kroger Company, April 15, 1997. (Co-PI)

$7,200   "Development and Validation of a Nonprescription Drug Formulary," awarded by
McNeil Consumer Products, March 10, 1995. (PI)

$30,000   "Family PharmaCare Research Program," awarded by Medi-Span, Inc.,
June 30, 1993. (PI)

$10,000   "Family PharmaCare Research Program," awarded by Glaxo Inc.,
June 28, 1993. (PI)

$40,000   "Family PharmaCare Research Program," awarded by Hook Drug Foundation,
June 3, 1993. (PI)

$105,951   "OBRA '90 - The Challenge to Pharmacy: Drug Use Review and Patient
Counseling," awarded by Comtact Corp., February 1, 1993. (Co-PI)

$1,297,444   "Computer-Based Prospective Drug Utilization Review," awarded by AHCPR,
January 22, 1993. (Co-investigator with faculty from Purdue and
Indiana University School of Medicine).

$73,469   "Pharmacist Drug Therapy Monitoring of Ambulatory Patients in Managed Care
Settings," awarded by Marion Merrell Dow, June 1991. (Co-PI)

$2,300   "Audit of Prescriber-Generated Prescription Events in Community Pharmacy,"
awarded by the Biomedical Research Support Grant program, Purdue University,
April 4, 1987. (PI)

$6,350   "Development of a Data Base Management System for Pharmaceutical Benefit
Plans," awarded by American Financial Consulting Co., March 1, 1988 through
June 2, 1989.

$1,000   "Economic Simulation of the Effects of Physician Dispensing on an Independent
Community Pharmacy," awarded through the McCallian Scholarship Award,
November 25, 1987. (Co-PI)

$750   "Analysis of Pharmacists' Drug Product Choice Decisions," awarded by the Upjohn
Company, Kalamazoo, MI., April 19, 1989. (Co-PI)

$5,000   "Attitudes Toward Condom Use to Prevent HIV Infection: An Application of the
Health Belief Model," awarded by Purdue University AIDS Research Center, April
24, 1989. (PI)

$30,000   "A Multicenter Study of Prescribing Errors in Community Pharmacy Practice," awarded by The American Pharmaceutical Association Foundation, April 8, 1989. (PI)

$4,000   "Hook Drug Outstanding Venture Project Competition" awarded by Hook Drug Company, Indianapolis, IN, April 18, 1990. (PI)

$10,000   "A Normative Model for Drug Utilization Review," awarded by Medi-Span, Inc., Indianapolis, IN, May 7, 1990. (PI)

$3,500   "Pharmacists' Attitudes Toward Physician-Assisted Suicide," awarded by the Burroughs-Wellcome Company, May 1, 1992. (PI)

TEACHING ACTIVITIES (* Course Director)

Midwestern University - Glendale

   *   Thinking Better: The Philosophy of Logical Reasoning, 1.5cr (PPRAG 1301)
   *   Health Care Systems, 3cr (PPRAG 1571)
   *   Pharmacy Management 1, 2.5cr (PPRAG 1675)

Purdue University

   *   Marketing Professional Services, 2cr (PHAD 563)
   *   Defining and Assessing the Quality of Pharmaceutical Care, 1cr (PHPR 696)
        Pharmacy and the Health Care System, 3cr (PHAD 243)
   *   Social Aspects of Pharmacy Practice, 2cr (PHAD 452)
        Issues in Pharmaceutical Economics and Public Policy, 3cr (PHAD 490A)
   *   Pharmacy Marketing, 3cr (PHAD 482)
   *   Research Methods in Pharmacy Practice, 1cr (PHPR 598)

Graduate Students - Major Professor

        Susan Renee Robertson, 1988-90 (M.S. 8/90)
        William N. Yates, 1989-91 (M.S. 12/90)
        Michael H. DeYoung, 1989-91 (M.S. 8/91)
        Krishnan Ramaswamy, 1993-1997 (Ph.D. 8/97)
        Radhika Desikan, 1996-1998 (Ph.D. 8/98)
        Leon Dupclay, 1996-1999 (M.S. 5/98, Ph.D. 12/00)
        Todd Sauer, 1996-2001 (Ph.D., 5/01)
        Michelle Chui, 1997-2001 (M.S. 8/98, Ph.D. 5/01)
        Terri Warholak-Juarez, 1997-2001 (M.S. 5/99, Ph.D. 12/01)

PEER REVIEW ACTIVITIES

Section Editor, *Journal of Managed Care & Specialty Pharmacy,* 2020 – present.

Editor, *Inside Pharmacist Care*, published by NCPA, 1995 - 2003.

Editor, *Value Added Services: The Dynamics of Pharmaceutical Care*, Monograph Series 2, sponsored by The American Pharmaceutical Association and Merck Sharp & Dohme, 1992-1994.

Editorial Advisory Board, *Journal of Managed Care & Specialty Pharmacy*, 2016 – 2020; *Pharmacy Today, 2011 – 2015; Journal of the American Pharmaceutical Association*, 1995 – 2002.

Reviewer, *American Journal of Pharmaceutical Education, American Journal of Heath-Systems Pharmacy, Journal of the American Pharmacists Association, Journal of Pharmaceutical Marketing and Management, Journal of Research in Pharmaceutical Economics, Medical Care, Journal of Managed Care & Specialty Pharmacy; Journal of the American Medical Informatics Association*

PROFESSIONAL SERVICE (recent)

Chair, Editorial Advisory Board, *Journal of Managed Care & Specialty Pharmacy*, (www.amcp.org)

Co-Chair, Academic Affairs Committee, Pharmacy Quality Alliance (www.pqaalliance.org).

Chair, Strategy Subcommittee, Academic Affairs Committee, Pharmacy Quality Alliance

Chair, Maintenance Work Group of the Pharmacy Services Technical Advisory Coalition (www.pstac.org).

Chair, Priorities Committee of the Research Coordinating Council, Pharmacy Quality Alliance (www.pqaalliance.org).

Steering Committee, Arizona Partnership for Implementing Patient Safety, Arizona Health-e Connection and EAzRx (www.azhec.org). .

CONSULTING

IMS Consulting & Expert Services, Pensacola, FL
- Expert pharmacy witness for defendant pharmacies in national opioid litigation, 2021 – present.

Quandary Peak Research, Los Angeles, CA
- FDA REMS report writing for global manufacturers of isotretinoin, 2021 – 2022.

SureScripts LLC, Alexandria, VA
- Evaluation of community pharmacy-based e-prescribing systems, 2005.
- Design and implementation of continuous quality improvement programs for e-prescribing technology and software vendors, 2011 – 2017.

El Rio Community Health Center, Tucson, AZ
- Comprehensive evaluation of pharmacy services, 2011.

California Pharmacists Association, Sacramento, CA
- Statewide pharmacy cost-of-dispensing analyses, 2008, 2009 & 2010.

Canadian Association of Chain Drug Stores, Toronto, ON
- Province-wide pharmacy cost-of-dispensing analysis, 2008.

Ontario Pharmacists' Association, Toronto, ON
- Province-wide analysis of LTC pharmacy services costs, 2009.

University of Arkansas for Medical Science, Little Rock, AR
- Statewide cost-of-dispensing analysis, 2007.

HealthCare Computer Corporation, Ft. Worth, TX
- Development of pharmacy practice support systems and software, 1997 - 2008.

Thomson Healthcare, Montvale, NJ
- Evaluation of community pharmacy based electronic medication labeling systems, 2005.

HONORS & AWARDS

- ❖ *Faculty Liaison of the Year Award*, National Community Pharmacists Association, 2009.
- ❖ *Faculty Excellence Award*, Arizona Pharmacy Alliance, 2004
- ❖ *Special Contributions to Research Award*, American College of Apothecaries, 2004.

❖ Arizona Prescription Drug Advisory Council by Governor Jane Dee Hull, 2002.
❖ *Rufus A. Lyman Award* for the outstanding article published in the *American Journal of Pharmaceutical Education*, AACP, 2000.
❖ Best Poster Paper, Academy of Pharmacy Practice and Management, APhA, 1999
❖ Fellow of the APhA, Academy of Pharmaceutical Research and Science, 1999.
❖ *American Druggists'* 50 Most Influential Pharmacists, 1998.
❖ *Jack L. Beal Postbaccalaureate Alumni Award*, The Ohio State University College of Pharmacy, 1998.
❖ *NCPA Outstanding Pharmacy Administration Faculty of the Year*, 1995
❖ *American Foundation for Pharmaceutical Education Fellowship*, 1985-87
❖ *Walgreen-AFPE Pharmacy Administration Fellowship*, 1985-87
❖ President, Alpha Rho chapter of Rho Chi, University of Kansas, 1977-78

SUMMARY

Michael T. Rupp, PhD, is Professor of Pharmacy Administration at Midwestern University College of Pharmacy in Glendale, AZ. Dr. Rupp holds a baccalaureate degree in pharmacy from the University of Kansas and a Doctor of Philosophy in pharmaceutical administration with emphasis in public policy from The Ohio State University. He is a fellow in the Academy of Pharmaceutical Research and Science (APRS) of the American Pharmacists Association (APhA) and section editor for the *Journal of Managed Care & Specialty Pharmacy*.

Dr. Rupp's experience in pharmacy practice, pharmaceutical economics and health care administration spans over 40 years. As a clinician, he practiced institutional and community pharmacy in five states, including as a commissioned officer in the U.S. Public Health Service (Indian Health Service). As an academic researcher, his principal focus has been to improve the safety, effectiveness and efficiency of medication use through targeted improvements in clinical decision support tools including data-driven computer-assisted drug utilization review (DUR) and electronic prescribing.

Dr. Rupp is the founder and managing partner of MENTORx, a professional services consulting firm specializing in research and evaluation projects in community pharmacy practice. He is a recipient of numerous awards and honors in pharmacy, including the NCPA Foundation Award for Faculty Excellence, the AACP Rufus A. Lyman Award, the Ohio State University Jack L. Beal Award, the Arizona Pharmacy Alliance Faculty Excellence Award and the NCPA Foundation Faculty Liaison Recognition Award.

Last revised: April 2022