

**CURRICULUM VITAE
FRANK J. ASCIONE**

EDUCATION: INSTITUTION AND PROGRAM OR DEGREE

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|------------------------------------------------|--------------------------------------------------------------------------|
| Wayne State University College of Pharmacy | 1964-1965 Pre-Pharmacy |
| University of Michigan College of Pharmacy | 1965-1969 B.S. Pharmacy |
| University of Michigan College of Pharmacy | 1972-1973 Doctor of Pharmacy |
| University of Michigan School of Public Health | 1976-1977 Master of Public Health (Health Behavior /Health Education) |
| University of Michigan School of Public Health | 1977-1981 Doctor of Philosophy (Health Behavior/Health Education) |

PROFESSIONAL AWARDS/HONORS

Computerworld Smithsonian Award for Innovation in Education and Academia
Fellow, American Pharmaceutical Association Academy of Pharmaceutical Research and Science
Fellow, American Foundation for Pharmaceutical Education
Michigan Pharmacists Association Executive Board Medal
Michigan Pharmacists Association Pharmacist of the Year
Phi Kappa Phi Honor Society
Rho Chi Society
Who's Who in America

FELLOWSHIPS

G. D. Searle & Company Postdoctoral Fellowship in Pharmacoeconomics (1992-3).
USP Sabbatical Fellowship (1992-3).

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Association of Colleges of Pharmacy
American Association of Pharmaceutical Scientists
American Society of Health Services Research
American Society of Health Systems Pharmacists
American Pharmaceutical Association
American Public Health Association
Drug Information Association
Michigan Pharmacists Association

PROFESSIONAL LICENSURE

Michigan (1970-2007)
Virginia (1973-1976)

PROFESSIONAL EXPERIENCE (FULL TIME)

Professor of Social and Administrative Science, University of Michigan, Ann Arbor (2014-present)
Dean and Professor (College of Pharmacy), University of Michigan, Ann Arbor, MI (2004-2014)
Associate Dean for Academic Affairs (College of Pharmacy), University of Michigan, Ann Arbor, MI (1996-2004)

Professor of Social and Administrative Sciences, University of Michigan, Ann Arbor, MI (2001-present)
 Associate Professor of Social and Administrative Sciences, University of Michigan, Ann Arbor, MI (1987-2001)
 Faculty Associate, Institute of Gerontology, University of Michigan, Ann Arbor, MI (1984-1999)
 Assistant Professor of Pharmacy Administration, University of Michigan, Ann Arbor, MI (1981-87)
 Assistant Research Scientist, Institute of Gerontology, University of Michigan, Ann Arbor, MI (1981-84)
 Assistant Professor of Clinical Pharmacy, University of Michigan, Ann Arbor, MI (1977-81)
 Assistant Research Scientist, Institute of Gerontology, University of Michigan, Ann Arbor, MI (1977-81)
 Director, Drug Interactions Evaluation Program, American Pharmaceutical Association, Wash. DC (1974-76)
 Assistant Director, Drug Interactions Evaluation Program, American Pharmaceutical Association, Wash. DC (1973)
 Staff pharmacist, Coordinator of Outpatient Pharmacy Services, St. Joseph Mercy Hospital, Ann Arbor, MI (1969-73)

SELECTED PART TIME PROFESSIONAL EXPERIENCE/APPOINTMENTS

Reviewer, NIH SBIR Risk, Prevention & Health Behavior IRG, (2010-present)
 Member, USP Consumer Interest/Health Education Advisory Panel (1990 to 2001)
 Chairman, USP Ad Hoc Panel on Medication Counseling Behavior Guidelines (1994-1997)
 Chairman, Economic and Administrative Sciences Section, American Pharmaceutical Association (1991)
 Chairman Elect, Economic and Administrative Sciences Section, American Pharmaceutical Association (1990)
 Vice Chairman, Education Committee, American Pharmaceutical Association (1990)
 Member, editorial board for the following journals:

J. Geriatric Drug Therapy (1985 to 1999)

Physicians' Drug Alert (1982-1999)

Former member, editorial board for the following journals:

Journal of Pharmaceutical Marketing and Management (1990)

Patient Education and Counseling (1988-94)

Chairman, Michigan Pharmacists Association's Task Force on Patient Education (1983-86)
 Member, Governor's Advisory Group on Seniors and Substance Abuse (1979-81)
 Adjunct Assistant Professor of Pharmacy, University of Michigan, Ann Arbor, Michigan (1977)
 Staff Pharmacist, Arlington Hospital Pharmacy, Arlington, Virginia (1974-76)
 Pharmacy Director and Member, Board of Directors, Free Peoples Clinic, Ann Arbor (1971-72)
 Chief Pharmacist, Washtenaw County Extended Care Facility, Ann Arbor, Michigan (1970-71)
 Pharmacy Intern, St. Joseph Mercy Hospital, Ann Arbor, MI (1966-69)

PUBLICATIONS (BOOKS)

1. Editor, Evaluations of Drug Interactions (supplement), American Pharmaceutical Association, Washington, DC, 1974.
2. Monograph author, Evaluations of Drug Interactions (supplement), American Pharmaceutical Association, Washington, DC, 1974.
 "Warfarin-clofibrate"
3. Editor, Evaluations of Drug Interactions, 2nd edition, American Pharmaceutical Association, Washington, DC, 1976.
4. Monograph author, Evaluations of Drug Interactions, 2nd Edition, American Pharmacy Association, Washington, DC, 1976.
 "Imipramine-Ethinyl Estradiol"
 "Levodopa-Diazepam"
 "Phenytoin-Folic Acid"
5. Co-author (with CC Manifold and MA Parenti), Principles of Drug Information and Scientific Literature Evaluation, Drug Intelligence Press, Washington, DC. 1994.
6. Sole Author: Principles of Scientific Literature Evaluation: Critiquing Clinical Drug Trials, American Pharmaceutical Association, Washington DC (Jan, 2001)

PUBLICATIONS (EDUCATION MODULES)

Online Courses

1. "Literature Evaluation", for the Drug Information Association's Medical Communication Section's Curriculum Certificate Program (October, 2002).
2. "Evidence-based practice", for Ferris State University (November, 2002).

PUBLICATIONS (JOURNALS)

1. F.J. Ascione, "Allopurinol-Iron: A Drug Interaction." Academy/GP, 10, 5, (March) 1975.
2. F.J. Ascione, "Isoniazid and Aluminum Hydroxide May Interact." Academy/GP, 10, 5, (May) 1975
3. F.J. Ascione, "Tetracycline-Antacid Interaction-How Important?" Academy/GP, 10, (June) 1975
4. F.J. Ascione and R.L. Ravin, "Physicians' Attitudes Regarding Patients' Knowledge of Prescribed Medications." Journal of the American Pharmaceutical Association, NS 15, 386 (1975)
5. F.J. Ascione, "Allopurinol-Iron Drug Interaction." Journal of the American Medical Association, 232, 1010 (1975) (letter).
6. F.J. Ascione, "Collection, Evaluation, and Dissemination of Drug Interaction Information by the Drug Interactions Evaluation Program." Drug Info. Assoc. J., 10, 33 (1976).
7. F.J. Ascione, "Clinically Significant Drug Interactions of Antihypertensives with Other Drugs." National High Blood Pressure Education Program: Special Bulletin for Pharmacists, pp. 6-7, (April) 1976. (Also reprinted in Pharmacy Times, March, 1977).
8. F.J. Ascione, "Evaluating Drug Interaction Reference Sources: Separating Fact from Fiction." Drug Therapy, 43, (September) 1976.
9. F.J. Ascione, "Tetracycline with Products Containing Aluminum, Calcium, Magnesium, and Sodium Ions." Drug Therapy, 124, (October) 1976.
10. F.J. Ascione, "Tetracyclines with Products Containing Iron." Drug Therapy, 95, (November) 1976.
11. F.J. Ascione, "Digitalis Glycosides with Potassium Depleting Diuretics." Drug Therapy, 105, (January) 1977.
12. F.J. Ascione, "Oral Anticoagulants with Salicylates." Drug Therapy, 116, (March) 1977.
13. F.J. Ascione, "Coumarin Anticoagulants with Barbiturates." Drug Therapy, 63, (June) 1977.
14. F.J. Ascione, "Lithium with Diuretics." Drug Therapy, 125, (September) 1977.
15. F.J. Ascione, "Allopurinol with Mercaptopurine." Drug Therapy, 69, (December) 1977.
16. F.J. Ascione, "Drug Interactions with Alcohol." Pharmacy Times, 78, (January) 1978.
17. F.J. Ascione, "Benzodiazepines with Alcohol." Drug Therapy, (January) 1978.
18. F.J. Ascione, "Coumarin Anticoagulants with Alternatives to Aspirin." Drug Therapy, 152, (September) 1978.
19. F.J. Ascione, "Coumarin Anticoagulants with Sedative-Hypnotics." Drug Therapy, 107, (February) 1979.
20. F.J. Ascione and T.I. Poirier, "Digitalis with Antacids." Drug Therapy, 157, (March) 1979.
21. F.J. Ascione and R. Thomas Cook, "Evaluation of a Computerized Drug Interaction Detection System." Michigan Pharmacist, 17:18-19, 21, (October) 1979.

22. F.J. Ascione, "The Effect of Nonsteroidal Anti-inflammatory Drugs on Anticoagulants." Primary Cardiology, 6:97-99, (May) 1980.
23. T.I. Poirier and F.J. Ascione, "Printed Drug Information Sources Used by Pharmacists in Southeastern Michigan." American J. Hosp. Pharm., 37:687-689, (May) 1980.
24. L.A. Shimp, F.J. Ascione, L. Flynn-Breedon, "Home Medication Review." American Pharmacy, NS 20:266-267, (May) 1980.
25. F.J. Ascione, M. James, S.J. Austin, L.A. Shimp, "Seniors and Pharmacists: Improving the Dialogue." American Pharmacy, NS20:270-271, (May) 1980.
26. D.M. Kirking and F.J. Ascione, "The Impact of Computers on Pharmacy Professionalism." Computer Talk Directory of Pharmacy Systems, 1983 Edition, pp. 20-25.
27. G.B. Brown, D.M. Kirking and F.J. Ascione, "Patient Willingness to Pay for a Community Pharmacy Based Medication Reminder System." American Pharmacy, NS23:69-71, 1983.
28. F.J. Ascione, "Providing Medication Information to Cardiovascular Patients." Cardiology Product News, (June):24-25, 1983.
29. D.M. Kirking, F.J. Ascione, W.J. Thomas, E.L. Boyd, "Relationships Between Computer Use and Pharmacists' Professional Behavior." Drug Intelligence and Clinical Pharmacy, 18:319-323, 1984.
30. L.A. Shimp, F.J. Ascione, H.M. Glazer, "The Pharmacist as an Advisor to Community Service Agencies in the Aging Network." Michigan Pharmacist, 22:22-23, (June) 1984.
31. F.J. Ascione, L.A. Shimp, "An Evaluation of the Effectiveness of Four Patient Education Strategies in a Group of Elderly Patients with Cardiovascular Illnesses." Drug Intelligence and Clinical Pharmacy, 18:926-931, 1984.
32. F.J. Ascione, "PEP Medication Information Sheets." Michigan Pharmacist, 22:223, (December) 1984.
33. F.J. Ascione, D.M. Kirking, O.M. Duzey and N.J. Wenzloff, "A Survey of Patient-Oriented Services by Community Pharmacists." Michigan Pharmacist, 23:4-5, 27-28, (May) 1985.
34. F.J. Ascione, G.H. Brown, D.M. Kirking, "Evaluation of a Medication Refill Reminder System for a Community Pharmacy." Patient Education and Counseling, 7:157-165, 1985.
35. L.A. Shimp, F.J. Ascione, H.M. Glazer, "Potential Medication-Related Problems in Noninstitutionalized Elderly." Drug Intelligence and Clinical Pharmacy, 19:766-772, 1985.
36. F.J. Ascione, L.A. Shimp, W.A. Garr, S.A. McCormick and J.F. Peggs, "An Examination of Factors Influencing Physician Assessments of Compliance Behavior." Family Practice Research Journal, 5:115-126, 1985.
37. F.J. Ascione, D.M. Kirking, O.M. Duzey, N.J. Wenzloff, "A Survey of Patient Education Activities of Community Pharmacists." Patient Education and Counseling, 7:359-366, 1985.
38. D.M. Kirking, J.W. Thomas, F.J. Ascione, E.L. Boyd, "Detecting and Preventing Adverse Drug Interactions: the Potential Contribution of Computers in Pharmacies." Social Science in Medicine, 22:1-8, 1986.
39. F.J. Ascione and C.A. Fish, "Computer Health Medication Information Software - Compilation for Pharmacists." American Pharmacy. NS26:45-52, 1986.
40. D.M. Kirking, C.J. Maksym, P.D. Neterer, F.J. Ascione, C.L. Colvin, "Evaluation of Questions Received by Community Pharmacists." Drug Information Journal, 20:69-76, 1986.

41. L.A. Shimp, H.M. Glazer, C.M. Reinke, F.J. Ascione, J.F. Peggs, R.W. Reinhardt, "A Systematic Approach to Identifying and Reducing Medication-Related Problems in Family Practice Patients." Family Practice Research Journal, 5:247-254, 1986.
42. F.J. Ascione, J.P. Kirscht, L.A. Shimp, "An Assessment of Different Components of Patient Medication Knowledge." Medical Care, 24:1018-1028, 1986.
43. F.J. Ascione, D.M. Kirking, N.J. Wenzloff, T.A. Foley, and D.K. Kwok, "Effect of Innovation Characteristics on Pharmacists' Use of Written Patient Medication Information." Patient Education and Counseling, 9:53-54, 1987.
44. L.M. Verbrugge and F.J. Ascione, "Exploring the Iceberg: Common Symptoms and How People Care for Them." Medical Care, 25:539-569, 1987.
45. F.J. Ascione and L.A. Shimp, "Helping Patients to Reduce Medication Misuse and Error." Generations, 12:52-55, 1988.
46. L.A. Shimp and F.J. Ascione, "Causes of Medication Misuse and Error." Generations, 12:17-21, 1988.
47. C.A. Fish and F.J. Ascione, "Drug Usage Evaluation (DUE) Activity in PSAOs." American Pharmacy, NS28:43-45, 1988.
48. D.M. Kirking and F.J. Ascione, "An Analysis of Research on Mail Order Pharmacy Services." Journal of Research in the Pharmaceutical Sciences, 2:15-39, 1990.
49. D.M. Kirking and F.J. Ascione, "Choices in Prescription-drug Benefit Programs: Mail versus Community Pharmacy Services." Milbank Memorial Quarterly, 68:29-51 1990.
50. R.C. Opdycke, F.J. Ascione, L.A. Shimp, and R.R. Rosen, "A Systematic Approach to Educating Elderly Patients about their Medications." Patient Education and Counseling, 19: 43-60, 1992.
51. F.J. Ascione, L.A. Shimp, R.C. Opdycke. "Research in Pharmaceutical Care: Experiences from the Focused Drug Therapy Review Program." American Journal of Pharmaceutical Education 1992:56:441-7.
52. K.B. Farris, F.J. Ascione, D.M. Kirking, "Characteristics Associated with the Acceptance of Written Patient Medication Information Sheets among Michigan Pharmacists." Journal of Pharmaceutical Marketing and Management, 1993:7:25-44
53. B Kaplan, NA Mason, LA Shimp, FJ Ascione. "Chronic Hemodialysis Patients. Part I: Characterization and Drug-related Problems" Annals of Pharmacotherapy, 1994:28:316-9.
54. B Kaplan, NA Mason, LA Shimp, FJ Ascione. "Chronic Hemodialysis Patients: Part II: Reducing drug-related problems in chronic hemodialysis patients: Application of the Focused Drug therapy Review Program." accepted by Annals of Pharmacotherapy, 1994:28:320-4
55. CA Gaither, RP Bagozzi, DM Kirking, FJ Ascione. "Factors related to Physicians Attitudes and Beliefs toward Drug Information Sources." Drug Information Journal, 1994;28:817-27.
56. FJ Ascione. "Drug Compliance in the Elderly." Generations, 1994;18:28-33.
57. RC Opdycke. FJ Ascione, LA Shimp, EL Boyd, CK Malloch. "Comparisons of Pharmacist-Obtained Comprehensive Medication Histories and Medical Records in Geriatric Patients." Journal of Geriatric Drug Therapy, 1994;9:9-39.
58. DM Kirking and FJ Ascione. "Evaluating Variables Associated with Potential Drug-Related problems in an Older Population." Journal of Geriatric Drug Therapy, 1995:9:29-45.
59. DM Kirking, RH Lerman, FJ Ascione, ST Jarawan and BE Fries. "Adverse Drug Reactions in an Older, Predominantly Male, Ambulatory Population." Journal of Geriatric Drug Therapy, 1996:10:39-50.
60. CA Gaither, RP Bagozzi, FJ Ascione, and DM Kirking. "A Reasoned Approach to Physicians' Utilization of Drug Information Sources." Pharmaceutical Research, 1996:13:1291-8.

61. CA Gaither, RP Bagozzi, FJ Ascione, and DM Kirking. "The Determinants of Physician Attitudes and Subjective Normes Toward Drug Information Sources: Modification and Test of the Theory of Reasoned Action." Pharmaceutical Research, 1997:14:1298-1308.
62. TP Christensen, FJ Ascione, and RP Bagozzi. "Understanding How Elderly Patients Process Drug Information: A test of a Theory of Information Processing." Pharmaceutical Research 1997:14:1589-96.
63. Erickson SR, FJ Ascione, DM Kirking, CE Johnson. "Use of a Paging System to Improve Medication Self-Management in Patients with Asthma." Journal of the American Pharmaceutical Association 1998:38:767-9.
64. MA Mannebach, FJ Ascione, CA Gaither, RP Bagozzi, IA Cohen, MR Ryan. "The Activities, Function and Structure of Pharmacy and Therapeutics Committees." American Journal of Health Systems Pharmacy 1999:56:622-8.
65. KV Nair, FJ Ascione, J Coombs, Assessing the activities and functioning of P&T Committees: A multi-site case study, P&T 2000: 25:516-28.
66. KV Nair, FJ Ascione, Evaluation of the Performance of P&T Committees: An Exploratory Study: Formulary. 2001: 36:136-46.
67. KV Nair, FJ Ascione, MA Mannebach, RP Bagozzi. "A Organizational Tool to Describe and Evaluate Group Performance in a Health Care Setting." Journal of American Pharmaceutical Association 2001:41: 608-17.
68. FJ Ascione, DM Kirking, CA Gaither, and LS Welage. "Historical Overview of Generic Medication Policy." Journal of American Pharmaceutical Association 2001: 41: 567-77.
69. DM Kirking, FJ Ascione, CA Gaither, and LS Welage. "Economics and Structure of the Generic Pharmaceutical Industry." Journal of American Pharmaceutical Association 2001: 41: 578-84.
70. DM Kirking, CA Gaither, FJ Ascione, and LS Welage. "Physicians' Individual and Organizational Views on Generic Medications." Journal of American Pharmaceutical Association 2001: 41: 718-22.
71. DM Kirking, CA Gaither, FJ Ascione, and LS Welage. "Pharmacists' Individual and Organizational Views on Generic Medications." Journal of American Pharmaceutical Association 2001: 41: 723-8.
72. CA Gaither, DM Kirking, FJ Ascione, and LS Welage. "Consumers' View on Generic Medications." Journal of American Pharmaceutical Association 2001: 41: 729-36.
73. DM Kirking, FJ Ascione, Perspectives on Generic Pharmaceuticals: Some Conclusions, Journal of American Pharmaceutical Association 2001: 41: 826-8
74. LS Welage, DM Kirking, FJ Ascione, and CA Gaither. "Understanding the Scientific Issues Embedded in the Generic Drug Approval Process." Journal of American Pharmaceutical Association 2001: 41: 856-67.
75. TP Christensen, DM Kirking, FJ Ascione, LS Welage, and CA Gaither. "Drug Product Selection: Legal Issues." Journal of American Pharmaceutical Association 2001: 41: 868-74.
76. KV Nair, FJ Ascione, RP Bagozzi, Improving the Performance of P&T Committees. Journal of Pharmaceutical Marketing and Management 2001:14:1-29.
77. N Sumpradit, FJ Ascione, RP Bagozzi, "A cross-media content analysis of motivational themes in direct-to-consumer prescription drug advertising". Clinical Therapeutics 2004:26:135-154.
78. RP Bagozzi, F.J. Ascione, and M.A. Mannenbach. "Inter-Role Relationships in Hospital-Based Pharmacy and Therapeutics Committee Decision Making." Journal of Health Psychology 2005: 10 45-64.
79. Erickson SR, Ascione FJ, Kirking DM. Utility of a Medication Management Electronic Device for Hypertensive Patients: A Pilot Study. J Am Pharm Assoc 2005;45:88-91.
80. Ascione, F. Research Requirement for Pharm.D. Students. Amer J. Pharm Educ 2007 10:71:116.
81. Svensson,CK, Speedie MK, Roberts JC, Letendre DE, Brueggemeier RW, Bauman JL, Ascione FJ. Reconsidering the Length of Program Accreditation.. Amer J. Pharm Educ 2011: 75:1:6
82. Yoon EY, Cohn L, Rocchini A, Kershaw D, Freed G, Ascione F, Clark S. Use of Diagnostic Tests in Adolescents with Essential Hypertension. Archives of Pediatrics and Adolescent Medicine. Published online on July 23 2012. doi:10.1001/archpediatrics.2012.1173.

83. Yoon EY, Cohn L, Rocchini A, Kershaw D, Freed G, Ascione F, Clark S. Antihypertensive Prescribing Patterns for Adolescents with Primary Hypertension. Pediatrics 2012; 129.
84. Ascione, F. In Pursuit of Prestige: the Folly of the US News and World Report Survey. Amer J. Pharm Educ 2012:76 (6):103.
85. Svensson CK, Ascione F, Bauman JL, Brueggemeier RW, Letendre DE, Roberts JC. Speedie, MK. Are we Producing Innovators and Leaders or Change Resisters and Followers? Amer J. Pharm Educ 2012: 76:7:124.
86. Bauman JL, Ascione F., Brueggemeier RW, Letendre DE, Roberts JC. Speedie, MK, Svensson,CK. Maintaining Pharmacy Education's Research Focus as the Academy Expands. Amer J. Pharm Educ 2012: 76:8:144.
87. Yoon EY, Cohn L, Weber J, McCool B, Rocchini A, Kershaw D, Freed G, Ascione F, Clark S. Underlying Rationale and Approach to Treat Hypertension in Adolescents by Physicians of Different Specialty. Ann of Pediatrics and Child Health. 2013;1(1):1005.

GRANTS RECEIVED

1. Principal Investigator, "Evaluation of Elderly Patients' Recall of Prescription Instruction," funded for \$29,961 by AARP-NRTA Andrus Foundation for 1979-81.
2. Co-Investigator, "A Community-Based Program to Reduce Medication-Related Problems in Non-Institutionalized Adults," funded for \$16,012 by Michigan Office of Services to the Aging for 1981-82.
3. Co-Principal Investigator, " A Description of the Community Pharmacist's Role in Patient Education," funded for \$1,867 by the Michigan Pharmacists Association for 1984-85.
4. Co-Principal Investigator, "Evaluation of the Use of Written Information by Pharmacists," funded for \$1,753 by the Michigan Pharmacists Association for 1985-86.
5. Co-Principal Investigator, "Development of a Drug Utilization Review Program," funded for \$36,913 by the Michigan Pharmacists Association for 1985-87.
6. Co-investigator, "Analysis of Mail Order Pharmacy Services," funded for \$15,000 by Blue Cross/Blue Shield of Michigan for 1988.
7. Co-investigator, "Prescription Claims Data for Analysis of Medication Use," funded for \$24,850 by the Upjohn Research Endowment Fund for Pharmaceutical Research for 1987-89.
8. Principal investigator, "Focused Drug Therapy Reviews as a Means of Reducing Drug-Related Problems in the Elderly Patient," funded for \$49,999 by the AARP Andrus Foundation for 1988-89.
9. Co-investigator, "Use of Third Party Prescription Claims Data for Drug Use Review in the Elderly, " funded for \$54,790 by the Michigan Health Care Education and Research Foundation for 1989-90.
10. Co-investigator, "Review and Analysis of Drug Utilization Review," funded for \$7,000 by the Pharmaceutical Manufacturer's Association for 1989-90
11. Co-investigator, "Focused Drug Therapy Reviews as a Means of Reducing Drug-Related Problems in the Elderly Patient," funded for \$6,500 by the Jackson County Community Mental Health Agency, Brown's Professional Services, and the Michigan Pharmaceutical Association for 1990-91.
12. Principal Investigator, "Drug-Related Problems in the Elderly: A Decision Making Model," Funded for \$25,000 by the Upjohn Research Endowment Fund for Pharmaceutical Research for 1991-92.
13. Principal Investigator, "Pharmaceutical Care: Providing Value-Added Services in Community Pharmacies," funded for \$18,000 by HealthPlus of Michigan for 1991-92.
14. Principal Investigator, "Evaluation of Elderly Consumer Perception of Medication Risk Information," funded for \$5,900 by Glaxo Inc, for 1994

15. Principal Investigator, "Analysis of Group Decisions Regarding Selection of Drug Products: Evaluation of Drug Formulary Decisions," funded for \$20,000 by the Upjohn Company for 1994-95.
16. Co-investigator, "Evaluation of Issues Regarding Multisource Products," funded for \$46,435 by the Michigan Health Care Education and Research Foundation for 1995.
17. Principal Investigator, "Evaluation of the Pharmacotherapy Management Model in Asthmatic Patients: A Pilot Study," funded for \$17,120 by MediTrac Inc for 1995.
18. Principal Investigator, "P&T Committee Decision Making Process," funded for \$25,000 by the Upjohn Research Endowment Fund for 1995-96.
19. Principal investigator, "Effect of Individualized Medication Compliance Reminder Messages on Outcomes of Patients with Uncontrolled Hypertension." funded for \$49,963 by the PolyPharm Corporation for 1997-98.
20. Principal Investigator, "Improving the Hospital Formulary: External Activities and their Influence on Team Performance," funded for \$2,160 by the University of Michigan Interdisciplinary Committee on Organizational Studies (ICOS) for 1997-98.
21. Principal Investigator, "Improving the Performance of Pharmacy and Therapeutics Committees," funded for \$24,979 by Ohio State University Latiolais Leadership Grant Program for 1999.
22. Principal Investigator, "Amgen Visiting Scientist Program," funded for \$391,500 by Amgen Inc. for 2001-05.
23. Principal Investigator, "Cost analysis of Febrile Neutropenia in Cancer Patients," funded for \$44,000 by Amgen Inc. for 2001-02.
24. Principal Investigator, "Lilly Academic Technology Enhancement Program," funded for \$500,000 by Eli Lilly Foundation for 2002-03.
25. Principal Investigator, "Assessing the Impact of Emotional Appeals in Direct-to-Consumer Drug Advertising on Consumer Prescription Requesting Behavior," funded for \$39,594 by the Upjohn Research Endowment Fund for 2001-02.
27. Principal Investigator, "Wyeth Distance Learning Program," funded for \$65,000 by Wyeth Labs for 2003.
28. Principal Investigator, "Assessing the Impact of Emotional Appeals in Direct-to-Consumer Drug Advertising on Consumer Prescription Requesting Behavior," funded for \$39,594 by the Upjohn Research Endowment Fund for 2002-03.
29. Principal Investigator, "Amgen Visiting Scientist Program," funded for \$200,000 by Amgen Inc. for 2006-08

COURSES TAUGHT (1977-PRESENT)

Regulatory Issues for Scientists, Managers, and Engineers (2001 to present)
 Principles of Pharmacy Research and Scientific Literature Evaluation (1997 to 2004)
 Issues in Pharmaceutical Care (1997 to 2001)
 Pharmacy and Health Care Systems I (1997 to 2001)
 Drug Information and Scientific Literature Evaluation (1977-1997)
 Communication Skills for Pharmacists (1987-1997)
 Introduction to Pharmacy Practice (1980-1996)
 Patient Counseling and Patient Education (1981-87)
 The Aging Patient: Drug Use in the Elderly (1979-84)
 Socioeconomics of Health Care: Self Care and Health Promotion (1981-84)
 Community Pharmacy Practice (1978-79)
 Nonprescription Drug Therapeutics (1978-79)

Clinical practice sites:

Family practice (1979-81)

Community pharmacy practice (1978-79)