

CURRICULUM VITAE

Earle "Buddy" William Lingle, Jr.

EDUCATION HISTORY

Ph.D., Pharmacy Administration (Emphasis in Public Affairs, LBJ School of Public Affairs),
University of Texas at Austin, 1985.

Dissertation: *"The Effects of Outpatient Prescription Drug Coverage for the Elderly on the Utilization and Costs of Health Care Services Reimbursed Under Medicare."*

M.S., Pharmacy Administration, University of North Carolina at Chapel Hill, 1979.

Thesis: *"A Comparison of Maximum Allowable Costs and Actual Acquisition Costs in North Carolina Pharmacies."*

B.S., Pharmacy, University of North Carolina at Chapel Hill, 1977.

EMPLOYMENT HISTORY

Fred Wilson School of Pharmacy

High Point University

High Point, NC

Professor and Interim Dean

July 2019-Present

Professor and Associate Dean, Student and Professional Affairs

July 2014-December 2019

South University School of Pharmacy

Columbia, South Carolina

Associate Professor and Associate Chair, Department of Pharmacy Practice

2010-June 2014

Director, PharmD/MBA program

2012-June 2014

College of Pharmacy

The University of South Carolina

Columbia, South Carolina

Associate Professor with Tenure, Pharmacy Administration, 1991 to 2010

Assistant Professor, 1985-1991

President

South Carolina Policy Council Education Foundation, Inc.

Columbia, South Carolina

July 2001 – August 2002

Visiting Fellow

South Carolina Policy Council Education Foundation, Inc.

Columbia, South Carolina

September 1998 - August 2001

PROFESSIONAL AND PUBLIC SERVICE

Community:

2004-2014	Member, School Board, Covenant Classical Christian School Chairman, Education and Curriculum Committee Chairman, Marketing Committee Member, High School Advisory Committee Co-chair, Curriculum Subcommittee, Accreditation Committee Volunteer Assistant Girls Basketball Coach
1997-Present	Founding CEO & Chairman, Acting Executive Director Partners Advancing Choice in Education Foundation of South Carolina, Inc.
1998-Present	Member and Treasurer, Board of Deacons, Covenant Presbyterian Church Chair, 2013
2002-2013	President, Cooper Voting Precinct, Richland County
1991, '93, '96, '98, '02, '07, '08, '09	Delegate, Richland County Republican Party Convention
1991, '93, '96, '98, '02, '07, '08	Delegate or Alternate Delegate, SC State Republican Party Convention
May 2002	Presentation to Berkeley County Rotary Club
1999-2006	National Advisory Board, Children's Educational Opportunity (CEO) Fdn.
April 2001	Presentation to Greenville Downtown Rotary Club
March 2001	Presentation to SC School Boards Association Finance Workshop
2000-2001	Senior Exposition Committee, Heathwood Hall Episcopal School, Columbia
1996	Member, SC Republican Party Platform Committee, Author of Health Care Plank
1987-1989	Host Family, Columbia Council for Internationals
1986	Special Olympics Volunteer

PROFESSIONAL AND PUBLIC SERVICE (continued)

Advisory and Consulting Services:

<u>Dates</u>	<u>Agency</u>	<u>Nature of Services</u>
2013	SC Pharmacist Workforce Study Committee, SC AHEC	Consulting
2008-09	Stroke Treatment & Rebound, Inc.	Consulting
2008	Gov. Mark Sanford, Executive Budget Advisory Committee	Advisory
2007	King & Spalding, LLC	Consulting
2005-06	GlaxoSmithKline	Consulting
2004-05	GlaxoSmithKline	Consulting
2004-05	Rep. Doug Smith	Advisory
2003-04	GlaxoSmithKline	Consulting
2003-04	SC Dept Health & Human Services	Advisory
2003-04	Member, SC Department of Mental Health Services Task Force	Advisory
2003-04	Pfizer, Inc.	Consulting
2003	Johnson & Johnson	Consulting
2002-2003	Member, Task Force on Health Care, Appointed by Gov. Mark Sanford	Advisory
2001-03	Rep. Bobby Harrell, Ways & Means Committee, SC House of Representatives	Advisory
1999-03	Rep. Rick Quinn, Chair, Health Subcommittee, SC House Ways & Means Committee	Advisory
1999-04	SC Policy Council	Consulting
2000-02	Rep. Lewis Vaughn, Chair, Operations & Mgt. Committee, SC House of Representatives	Advisory
2001	FBI, Washington, DC	Advisory
2001	PhRMA	Consulting
2001	Bristol-Myers Squibb	Consulting
2001	Hon. David Wilkins, Speaker, SC House of Representatives	Advisory
1994-95	Pharmaceutical Care Management	Consulting
1991-92	Health Care Reform Study Group, American Pharmaceutical Association	Advisory
1988-90	Forum Planning Committee, American Pharmaceutical Association	Advisory
1989	Joint Commission of Pharmacy Practitioners Medicare Task Force	Advisory
1989	Glaxo Inc.	Consulting
1987	U.S. Congress, Office of Technology Assessment	Advisory
1986-87	State of SC Health & Human Services Finance Commission, Pharmacy Cost Containment Committee	Advisory
1986	Hoffman-LaRoche	Consulting

PROFESSIONAL AND PUBLIC SERVICE (continued)

University Administrative and Committee Duties:

2018-2019	Advisor, Graduate Student Association, High Point University
2018-2019	Advisor, Council of Students, Fred Wilson School of Pharmacy
2017-2019	Member, Committee on Committees, High Point University
2015-2019	Student Advisor, Pre-pharmacy students, High Point University
2016-2018	Member, Diversity Committee, High Point University
2015-2019	Member, Lighted Lamp Editorial Committee, High Point University
2015-2019	Advisor, Pre-Pharmacy Club, High Point University
2014-	
2013-2014	Advisor, Class of 2016 (Columbia), South University School of Pharmacy (SUSOP)
2013-2014	Co-advisor, Christian Pharmacists Fellowship International, SUSOP-Columbia Student Chapter
2012-2014	Director, PharmD/MBA Joint program, (SUSOP)
2010-2014	Associate Chair, Dept of Pharmacy Practice, (SUSOP)
2010-2014	Member, Executive Committee (SUSOP)
2010-2014	Member, Professional Outreach Committee (SUSOP)
2010-2014	Member, Promotions Committee (SUSOP)
2010-2014	Member, Program Assessment Committee (SUSOP)
2010-2014	Member, Faculty Development Committee (SUSOP)
2011-2014	Student Advisor (SUSOP)
2010-2012	American Council on Pharmaceutical Education (ACPE) Accreditation Self-study Committee, SUSOP
	Co-chair, Organization and Administration Subcommittee
2007-2010	Faculty Mentor, First Year Scholars, USC
2008-2010	McNair and Carolina Scholars Admissions Interviewer, USC
2000-2010	Member, USC Committee on Religious Affairs
2001-2010	USC Faculty Senate Member
2007-2010	Member, South Carolina College of Pharmacy (SCCP) Faculty Governance Committee
2007-2010	Member, SCCP Student Affairs Committee, Co-chair (2009)
2005-2007	Member, SCCP Admissions Committee
2004-2007	Member, SCCP Curriculum Committee
2002-2010	Peer Teacher-Course Evaluation Committee, USC College of Pharmacy (COP)
2009-2010	Advisor, Christian Pharmacists Fellowship International
1999-2010	Advisor, Phi Lambda Sigma Pharmacy Leadership Society, USC COP
1998-2010	Student Academic Advisor, USC College of Pharmacy
1999-2007	Curriculum Committee, USC College of Pharmacy
1999-2007	Continuing Education Committee, USC College of Pharmacy
2002-2005	Advisory Board, Students Assisting Seniors, USC School of Law
1992-2004	Faculty Associate, Center for Bioethics, USC Institute of Public Affairs
1996-2004	Legislative Task Force, University of South Carolina
2003	Director of Experiential Training Search Committee, USC COP
2002-2003	Advisor, 360 Campus Ministries
2002	Pharmacy Practice Faculty Search Committee (2 vacancies),

	USC College of Pharmacy (COP)
2002	Basic Pharmaceutical Sciences Search Committee, USC COP
2001	Assistant Dean Search Committee, USC COP
1999-2002	Executive Committee, Christian Faculty Forum, USC COP
1999-2001	University Committee on Conflict of Interest, USC COP
1999-2000	Library & Learning Resources Self-Study Committee, USC COP
1999-2000	Faculty Self-study Committee, USC COP
1999-2000	Drug Delivery Center Feasibility Committee, USC COP
1999	Basic Pharmaceutical Sciences Faculty Search Committee, USC COP
1995-1999	Student-Faculty Liaison Committee, USC COP
1996-1998	Search Committee, Director of the Center for Health Services Research and Policy Research, USC COP
1995-1998	Chairman, Second Professional Year Course Study Team, USC COP
1997-1998	Scholarship Committee, USC COP
1997-1999	Co-advisor, Student Christian Pharmacists Fellowship, USC COP
1991-1998	Health Policy Committee, USC Institute of Public Affairs
1991-1998	Peer Teacher-Course Evaluation Committee, USC COP
1995-1997	Research Advisory Committee, Sponsored Programs and Research, USC COP
1995	Pharmacy Undergraduate Research Review Committee, USC COP
1988-1995	Scholastic Standing, Petitions and Admissions Committee, USC COP
1986-1994	Chairman (1990/1994) Student Academic Responsibility Committee, USC COP
1992-1993	Student Government Planning Committee, USC COP
1991-1993	Faculty Advisor, Rock Christian Fellowship, USC COP
1993	Chairman, Student Affairs Self-Study Committee, USC COP
1985-1993	Faculty Advisor, Kappa Psi Pharmaceutical Fraternity
1985-1986	Goals and Objectives Self-Study Committee, USC COP
1985-1986	Chairman, Ethics Committee, USC College of Pharmacy
1981-1985	Chairman, Continuing Education Committee, Univ of Texas-Austin
1981-1985	Admissions Committee, University of Texas COP
1981-1984	Director, Pharmacy Continuing Education, Univ of Texas COP
1976-1977	Student Representative, Curriculum Committee, University of North Carolina-Chapel Hill School of Pharmacy

Professional or Learned Society:

National:

2016-2019	Delegate, American Association Colleges of Pharmacy House of Delegates
2014	Reviewer, Abstracts, Academy Managed Care Pharmacy
2008	Reviewer, Submitted Papers, Amer Journal Pharmaceutical Education
2006, 07, 08	Reviewer, Submitted Papers, American Pharmacy Association
1989-2001	Federal Pharmacy Conference Advisory Committee
1997-2000	Board of Directors, Christian Pharmacists Fellowship International
1992	American Pharmaceutical Association (APhA) consultant re. Health Care Reform
1989	American Association of Colleges of Pharmacy Representative, Medicare Task Force
1989	Member, APhA House of Delegates

1987 Alternate Delegate, APhA House of Delegates
 1983 Reference Committee on Public Affairs, APhA
 1982-1985 Co-chairman, International Industrial Pharmacy Conference

State:

1990 Member, Student Activities Committee, SC Pharmaceutical Association (SCPhA)
 1989 Chairman, Student Activities Committee, SCPhA
 1988 Member, Legislative Committee, SCPhA
 1987 Chairman, Continuing Education Committee, SCPhA
 1987 Member, Convention Committee, SCPhA
 1986 Member, Continuing Education Committee, SCPhA
 1986 Member, Convention Committee, SCPhA
 1981-1985 Member, Texas Tripartite Committee on Continuing Pharmacy Education
 1978-1979 Task Force on Health Planning and Pharmacy Practice in NC

FORMAL TEACHING EXPERIENCE

Professional Subject Areas Taught:

Health Care Systems:

“What is Health Care?”
 “Introduction to the U.S. Health Care System”
 “Health Care Financing and Spending”
 “Health Insurance”
 “Health Economics”
 “Pharmacy Workforce Issues”
 “Pharmaceutical Industry”
 “Third-party Drug Benefit Programs”
 “Pharmacy Benefit Managers (PBMs)”
 “Government and Health Care”
 “Medicaid”
 “Medicare”
 “Medicare Part D”
 “Health Care System Reform”

Communications:

“Improving Communication between Pharmacists and Patients”

Pharmacy Law and Ethics:

“Ethics and Pharmacy Practice”
 “The Law and the Legal System”
 “Federal Regulation of Medications: Development, Production, Marketing”
 “Federal Regulation of Medications: Dispensing”
 “Other Federal Regulations: OBRA, HIPAA, etc.”
 “Federal Controlled Substances Act”

Pharmacy Practice Management:

“Why Management?”
“Financial Statements and Terminology”
“Financial Analysis”
“Cash: The Lifeblood of an Organization”
“Cost Allocation in the Pharmacy”
“Cost to Provide Services”
“Participating in Third-party Programs”
“Human Resources: Staffing”
“Human Resources: Managing Conflict”
“Current Workplace Issues: Discrimination and Harassment”
“Current Workplace Issues: Accommodating Disabled Employees”
“Current Workplace Issues: Diversion and Impairment”

Health Economics and Outcomes Assessment:

“Costs in Pharmacoeconomic Analyses”
“Assessing the Pharmacoeconomic Literature”
“Cost Minimization Analyses”
“Cost Effectiveness Analyses”
“Cost Utility Analyses”
“Cost Benefit Analyses”
“Measuring Health Status”
“Health-related Quality of Life”
“Humanistic Outcomes/Preferences”
“Decision Analysis”
“Markov Analysis”
“Systematic Review and Meta Analysis”
“Pharmacoeconomics and Pharmaceutical Care”
“Pharmacoeconomics and Retrospective Data Bases”
“Application of Evaluating Pharmacoeconomic Literature”

Personal Finance for Pharmacists (elective):

“Introduction to Financial Planning”
“Banking and Financial Services”
“Savings Plans and Payment Methods”
“Spending Plans”
“Budgeting”
“Consumer Credit”
“The Home Front: Renting, Buying, Financing”
“Investing Basics”
“Investing in Stocks”
“Investing in Bonds”
“Investing in Mutual Funds”
“Retirement Planning”
“Estate Planning”
“Insurance: Life and Disability”
“Insurance: Automobile, Home, Health”
“Taxes”

RESEARCH SUPERVISION

Supervision of Doctoral Research Programs

- Susan E. Zetzl, A Study of Prescription Limits in the South Carolina Medicaid Program, 2000.
- William N. Yates, Jr., Impact of a Three-tiered Prescription Copayment Program on Medical Care Utilization, 1999.

Supervision of Masters Research Programs

- Ronald W. Lindsay, A Study of Drug Interaction Prevalence and Significance in an Elderly Population, 1992.

Undergraduate Research Supervision

- Sharjeel Khan and Cole Smith, "Potential Cost Savings for Medicare Beneficiaries when Annually Reevaluating Medicare Part D Plans," Fall 2013
- Dhara Patel, "Pharmacy Outcomes and Emergency Room Use," Spring 2008
- Michael Gleaton, "Difference in Medicare Part D Plans across Benefit Periods and Drug Regimens," Spring 2008
- John Matthews, "Medicare Drug Plans in South Carolina," Fall 2005.
- Bryan Amick, "Use of Emergency Rooms in South Carolina Hospitals," Fall 2004.
- Rebecca Edwards, "Lessons from Homeopathy," Fall 1994 (second reader).
- Dipali Contractor, "The Effects of Employer-mandated Health Insurance on Community Pharmacies," Fall 1994.

SCHOLARLY AND PROFESSIONAL PUBLICATIONS

List of Books:

In Print:

"Financing Health Care," Chapter in Introduction to Public Health in Pharmacy, Oxford University Press, 2018 (with Samuel Zuvekas, Ardis Hanson, and Bruce Levin).

"Drug Insurance Design and Management," Chapter in Pharmaceutical Public Policy, CRC Press, 2016 (with William Yates).

"Financing Health Care," Chapter in Introduction to Public Health in Pharmacy, Jones & Bartlett Publishers, 2008 (with Samuel Zuvekas).

"Drug Insurance Design," Chapter in Handbook of Pharmaceutical Public Policy, Haworth Press, 2007.

"Health Care in the United States," Chapter in Pharmaceutical Care, 2nd edition. American Society of Hospital Pharmacy Publishing, Bethesda, MD, 2003.

"Improving South Carolina's Medicaid System Today: Immediate and Proven Steps South Carolina Can Take," Chapter in Mandate for Leadership: A Public Policy Agenda for Carolina. South Carolina Policy Council Education Foundation, Columbia, SC, 2003.

"Health Care in the United States," Chapter in Pharmaceutical Care, Van Nostrand Reinhold Publishing, New York, 1996.

"Studies in Pharmaceutical Economics," Compilation of selected studies in this discipline includes previously published manuscripts, Pharmaceutical Products Press, The Haworth Press, 1996.

List of Refereed Publications:

In Print:

Steven D. Caldwell and Earle W. Lingle, "Employers as Insurers: A Case for the Strategic Approach to Employee Healthcare," Journal of Business Issues, 2010, No. 1, pp. 39-52.

Earle W. Lingle, Brenda M. Motheral, and Marc L. Watrous, "Estimating the Financial Effect of Employer-mandated Health Insurance on Independent Retail Pharmacies," Journal of Research in Pharmaceutical Economics, Vol. 8, No.2. (1997), pp. 43-54.

Richard M. Schulz, Earle W. Lingle, Sandra J. Chubon, and Marcia Coster-Schulz, "Drug Use Behavior under the Constraints of a Medicaid Prescription Cap," Clinical Therapeutics: The International Journal of Drug Therapy, Vol. 17, No.2 (1995), pp. 330-340.

Sandra J. Chubon, Richard M. Schulz, Earle W. Lingle, and Marcia Coster-Schulz, "Too Many Medications, Too Little Money -- How Do Patients Decide Which Prescriptions to Buy?" Public Health Nursing, Vol. 11, No.6 (December 1994), pp. 412-415.

C. Eugene Reeder, Earle W. Lingle, Richard M. Schulz et al., "Economic Impact of Cost-Containment Strategies in Third Party Programmes in the U.S.," Pharmacoeconomics, Vol. 4, No.2 (1993), pp. 92-103.

Earle W. Lingle and Susan E. Zetzl, "Health Care Reform: To Be or Not to Be? Part 2: Where Are We Heading?" American Pharmacy, Vol. NS32, No. 10 (October 1992), pp. 26-31.

Earle W. Lingle and Susan E. Zetzl, "Health Care Reform: To Be or Not to Be? Part 1: The Motivating Forces", American Pharmacy, Vol. NS32, No.9 (September 1992), pp. 28-31.

Earle W. Lingle, C. E. Reeder and Christopher M. Kozma, "Impact of an Open Formulary System on the Utilization of Medical Services," Journal of Research in Pharmaceutical Economics, Vol. 2, No.3 (1990), pp. 93-123.

Christopher M. Kozma, C. Eugene Reeder and Earle W. Lingle, "Expanding Medicaid Drug Formulary Coverage: Effects on Utilization of Related Services," Medical Care, Vol. 28, No. 10 (October 1990), pp. 963-977.

Earle W. Lingle, James M. Chapman, et.al, "Prepharmacy Chemistry Courses as Preparation for Medicinal Chemistry: A Survey of Student Perceptions," Journal of Pharmacy Teaching, Vol. 1, No.4 (1990), pp. 1-15.

Christopher M. Kozma, C.E. Reeder, and Earle W. Lingle, "Using Repeated Measures Designs to Evaluate Intervention: A Multivariate Approach," Journal of Research in Pharmaceutical Economics, Vol. 2, No.1 (1990), pp. 55-73.

Terri Smith Moore and Earle W. Lingle, "Economic Issues of Drug Use in the Elderly and Access Patterns," Journal of Geriatric Drug Therapy, Vol. 2, No. 2/3, (1987/88), 11-0.

Earle W. Lingle, Kenneth W. Kirk, and William R. Kelly, "The Impact of Outpatient Drug Benefits on the Use and Costs Health Care Services for the Elderly," Inquiry Vol. 24, No. 3, (Fall 1987) pp. 203-211.

Earle W. Lingle, "A Question of Benefits: The Status of Pharmaceutical Assistance for the Aged Programs," Pharmaceutical Executive, Vol. 7, No.1, (January 1987), pp. 44-46,48,50.

List of Abstracts and Unrefereed Publications:

Lingle, Earle, "'Penny wise, pound foolish' Health Care Policy," Op Ed, The State, Columbia, SC, April 15, 2008.

Lingle, Earle, "Government Efficiency: A Time for Evaluation," Capitol Comment, South Carolina Policy Council, January 1, 2005.

Lingle, Earle, "Funding of Scientific Studies by the South Carolina State Legislature: A Case Study," South Carolina Policy Council, January 30, 2001, 15 pages.

Lingle, Earle, "Mental Health Care Funding Needs to be Reformed," Op Ed, Greenville News, May 19, 1999.

Lingle, Earle, "A Blueprint for Reform: South Carolina's Department of Mental Health," South Carolina Policy Council, March 1999, 49 pages.

Lingle, E.W., Jr., "MAC: A Worthwhile Program Gone Astray," Medical Marketing and Media, Vol. 18, No.4, (April 1983), pp. 10,12,14.

Lingle, Earle "Buddy", "'Pro-Competition' Health Policy, A Review of its Potential Impact on Pharmacy," Texas Pharmacy, Vol. CH, No.2, (February 1983), pp. 16-18.

Torrielli, G., Gagnon, J.P., and Lingle, E.W., Jr., "MAC Study Confirms Pharmacy Losses," American Pharmacy, Vol. NS22, No.8 (Aug. 1982), pp. 31-33.

Lingle, E.W., Jr. and Gagnon, J.P., "A. Comparison of Maximum Allowable Costs and Actual Acquisition Costs in North Carolina Pharmacies," Medical Marketing and Media, Vol. 15, No.3 (March 1980), pp. 37, 40-44.

OTHER SCHOLARLY ACTIVITIES

List of Papers Presented at Professional Meetings:

Invited:

"The Evolution of Health Care Reform: The Good, the Bad, and the Ugly," presented to the Annual Meeting of the South Carolina Pharmacy Association, Hilton Head Island, SC, June 7, 2013.

"Health Care Reform: Medicaid, Mandates, and Martinis," presented to the 138th Georgia Pharmacy Association Convention, Amelia Island, SC, June 24, 2013.

"Frankenstein or a Zombie? Health Care Reform in a New Political Climate," Southeastern Girls of Pharmacy Leadership Weekend, Asheville, NC, January 16, 2011.

"Health Care Reform and Pharmacy, The Good, the Bad, and the Ugly," South Carolina Pharmacy Association Annual Meeting, Hilton Head Island, SC, June 2010.

"The Challenges of Being a Leader," Phi Lambda Sigma Pharmacy Leadership Society Annual Banquet, Columbia, SC, April 16, 2009.

"Impact of Legislative Efforts on the Selling of Pharmaceuticals," CMR Institute Advisory Board Meeting, Savannah, GA, March 30, 2007.

"Consumer Driven Health Care: New Tools for the Future," South Carolina Society of Hospital Pharmacists Spring Symposium, Myrtle Beach, SC, March 6, 2007.

"Medicare Part D: Panic or Panacea?" 5th Annual Geriatric Symposium for Primary Care Providers, Columbia, SC, February 10, 2006.

"Medicare Drug Benefits: Benefits, Beneficiaries, and Bewilderment," Greater Columbia Chamber of Commerce, Columbia, SC, February 28, 2006.

"Medicare Drug Benefit Policies and their Possible Effects," Johnson & Johnson Legislative Forum, Columbia, SC, December 16, 2006.

"Medicare Part D and the Health System Pharmacist," South Carolina Society of Hospital Pharmacists, Columbia, SC, October 20, 2005.

"The Future of Medicare," South Carolina Health Care Forum: Medicaid Reform and Medicare Part D, Hilton Head, SC, October 12, 2005.

"The Medicare Modernization Act and Effects on Medical Practices," American College of Physicians South Carolina Scientific Meeting, Charleston, SC, October 14, 2005.

"The Medicare Drug Benefit," 4th Annual Geriatric Symposium for Primary Care Providers, Columbia, SC, February 5, 2005.

"Trends in Drug Benefits and Current Issues," Companion HealthCare Corporation, Health Care Advisory Conference, Asheville, NC, May 21, 2004.

"Value of Medicines," Florida Underwriters Conference, Ft. Myers, FL, March 12, 2004.

"Pricing and Prices of Pharmaceuticals," SC Medicaid Pharmacy & Therapeutics Committee, Columbia, March 3, 2004.

"Health Care Spending in South Carolina," Health Policy Conference, GlaxoSmith Kline, Charleston, SC, November 12, 2003.

"Budget Deficits & the Impact on State Health Programs," Women in Government Symposium: Unintended Consequences of Restrictions on Health Care Budgets, Del Mar, CA, November 7, 2003.

"Impact and Consequences of Medicaid Budget Cuts," Women in Government Symposium: Unintended Consequences of Restrictions on Health Care Budgets, Del Mar, CA, November 8, 2003.

"Mental Health-related Visits to South Carolina-Emergency Departments," South Carolina Mental Health Planning Council, Department of Mental Health, Columbia, September 17, 2003.

"State Health Care Spending Trends," American Legislative Exchange Council, Health and Human Services Meeting, Las Vegas, NV, March 29, 2003.

"Understanding Pharmacoeconomics," Women in Government Symposium: New Technologies & the Future of Healthcare, San Francisco, CA, November 15, 2002.

"The Future of Medicaid and its Effects on State Budgets," Southern Republican Leadership Conference, Charlotte, NC, June 28-29, 2002 (Two presentations).

"Trends in Pharmaceutical Expenditures," South Carolina Policy Council Legislators Conference on Drug pricing and Expenditures, Columbia, SC, February 21, 2001.

"Overview of Pharmacy Economics: Trends and Issues," Annual Meeting, CPFI, Myrtle Beach, SC, June 2, 2000.

"Integration of the Drug Benefit: The Role of Pharmacy," National Medicaid Pharmacy Administrators' Conference, Washington, DC, October 11, 1998.

The Evolution of Medicare, Pharmacy Public Policy Conference, Hilton Head, SC, February 9, 1998.

The Ethics of Health Care Delivery: Managed Care and Prospective Payment, Christian Medical Ethics Conference, Columbia, SC, October 18, 1997.

Health Care in the Year 2000: Revolution or Evolution? Washington Metropolitan Society of Hospital Pharmacists Annual Meeting, Ocean City, MD, September 13, 1997.

"The Future of Medicaid Financing and Coverage: How do Pharmaceuticals Fit into the Picture?" The Future of Medicaid Conference, Pfizer, Inc., Wash., DC, Dec. 6, 1995.

"Managed Care in Medicaid: Other States' Experiences," Georgia Managed Health Care Symposium, Mercer University, Atlanta, September 29, 1995.

"An Overview of the South Carolina Medicaid Program," presented to the Palmetto Health Initiative Conference, Columbia, SC, April 4, 1995.

"Health Care Reform: Convictions, Confusion, and Conflict," 21st Annual Pharmacy Law and Management Conference, Orlando, FL, November 20, 1994.

"The Good, the Bad, the Unknown: Health Care Reform and Its Ramifications," presented to the Thirteenth Annual Meeting American Association of Natural Family Planning, Hilton Head, SC, July 30, 1994.

"Challenges and Opportunities in an Era of Health Care Reform," presented to the Fifth Annual Charles C. Rabe Symposium, St. Louis, MO, April 28, 1994.

"Health Care Reform: Making it Work," presented to the American Pharmaceutical Association Annual Meeting, Seattle, WA, March 19, 1994.

"Health Care Reform and Pharmacy," J. Leo McMahon Keynote Address, Midwest Pharmacy Conference, Kansas City, MO, July 29, 1993.

"Update and Outlook on Health Care Reform," presented to the American Pharmaceutical Association Annual Meeting, Dallas, TX, March 23, 1993.

"Health Care Reform and Its Implications for Drug Wholesalers", presented to the Government Affairs Committee, National Wholesale Druggists Association, Herndon, VA, October 29, 1992.

"Health Care Reform and Its Potential Effects on Medicaid Drug Programs", presented to the Southeast Medicaid Drug Program Administrators Annual Meeting, Orlando, FL, October 2, 1992.

"Federal and State Regulations Regarding the Prescribing and Dispensing of Veterinary Legend Drugs," presented to the South Carolina State Board of Veterinary Medicine, Columbia, SC, January 18, 1992.

"Using Pharmacy Claims Data in Pharmacoeconomics Research," presented to the Purdue University Department of Pharmacy Practice, West Lafayette, IN, April 28, 1991.

"Is There a Place for Other State Restrictions: Therapeutic Interchange," presented to the University of Maryland Center on Drugs and Public Policy's conference, Medicaid Prudent Pharmaceutical Purchasing: A Conference on Implementation Issues, Baltimore, MD, January 15, 1991.

"Medicare Catastrophic Coverage: Politics vs. Policy," American Society of Consultant Pharmacists Annual Meeting, Second General Session, Chicago, November 9, 1989.

"Using Third-Party Claims Data to Estimate Utilization of Pharmaceuticals Under the Medicare Catastrophic Act," American Public Health Annual Meeting, Chicago, October 22, 1989.

"Public Drug Insurance Programs for the Elderly: Implications for Community Pharmacy," APhA Annual Meeting, Atlanta, March 14, 1988.

"Economic Implications of Drug Use and Access Patterns," presented at the Geriatric Drug Update - 1987, National Institute on Aging/National Institutes of Health Bethesda, MD, May 4, 1987 (with T. Smith-Moore).

"Outpatient Drug Benefits for the Elderly: Risks and Opportunities for the Pharmaceutical Industry," presented at the Merck Sharp & Dohme Marketing and Business Strategy Conference, West Point, PA, April 30, 1987.

Contributed:

"Consideration of Pharmacy Program Quality Indicators," presented at the American Association of Colleges of Pharmacy Annual Meeting, Grapevine, TX, July 2014.

"Potential Cost Savings for Medicare Beneficiaries when Annually Reevaluating Part D Drug Plan Options," presented at the Society of Health Systems Pharmacists Mid-year Meeting, Orlando, FL, December 2013 (with S Khan, C Smith, and K Ware).

"Pharmacy Students' Personal Financial Literacy and Behavior," presented at the American Association of College of Pharmacy Annual Meeting, Chicago, IL, July 2013.

"Evolution of a Communications course: Incorporating active-learning techniques in a dual campus accelerated curriculum program," presented at the American Association of Colleges of Pharmacy Annual Meeting, Kissimmee, FL, July 2012 (with KC Anderson, LM Garton, and WP Wynn).

"Comprehensive Integration of Basic and Clinical Sciences within the Curriculum of the South University School of Pharmacy," presented to the American Association of Colleges of Pharmacy Annual Meeting, San Antonio, TX, July 2011 (with Martin Zdanowicz et al.).

"Annual Evaluations of Medicare Part D Plans and the Potential Effects on Beneficiary Costs," presented to the American Pharmacists Association Annual Meeting, Washington D.C., March 2010.

"Association between Atypical Antipsychotic Use and Treatment-emergent Diabetes, Hyperlipidemia, and Obesity," presented to the International Society for Pharmaceutical Outcomes Research (ISPOR) European Meeting, Dublin, Ireland, October 21, 2007 (with Michael Dickson).

"A Comparison of Frequentist and Bayesian Statistical Approaches in Cost-Benefit Analysis," presented to the ISPOR European Meeting, Florence, Italy, November 8, 2005 (with Joe Blizzard, Jill Michels, C.E. Reeder, Richard Schulz, and David Bradford).

"The Financial Effect of Employer-Mandated Health Insurance on Independent Pharmacies," presented to the Academy of Pharmacy Practice Management, APhA Annual Meeting, Orlando, FL, March 20, 1995 (with Brenda Motheral, Marc Watrous and Dipali Contractor).

"Trends in Proposed Pharmaceutical Benefits in Health Care Reform Legislation," presented to the American Society for Pharmacy Law, APhA Annual Meeting, Orlando, FL, March 18, 1995 (with Susan E. Zetzl).

"Crossover Drug Costs of Medicare and Medicaid under Health Care Reform," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, Seattle, WA, March 20, 1994 (with W Yates).

"Estimating Sample Size from an Elderly Population," Presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, San Diego, CA, March 17, 1992 (with C.M. Kozma).

"Drug Use Behavior Beyond the Medicaid Prescription Cap," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, San Diego, CA, March 17, 1992 (with C.M. Kozma).

"Characterization of the Home Infusion Market in North Carolina," presented to the Economic, Social and Administrative Sciences Section, APRS, APhA Annual Meeting, San Diego, CA, March 15, 1992 (with T. Young, C.M. Kozma, and C.E. Reeder).

"Too Many Medications, Too Little Money – How Do Patients Decide Which Prescriptions to Buy?" presented to the 7th Nat. Symposium in Home Health Care, Ann Arbor, MI, June 13 1991, (with S. Cubon, M. Coster-Schulz, and R. Schulz).

"An Estimate of Drug Utilization and Expenditures under MCCA," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science APhA Annual Meeting, New Orleans, LA, March 9, 1991 (with C.E. Reeder).

"Evaluation of a Change in the South Carolina Medicaid Drug Formulary Status by Disease States," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, New Orleans, LA, March 9, 1991 (with L.J. Kirchdoerfer and C.E. Reeder).

"An Evaluation of Changing Coverage Limits in the South Carolina Medicaid Drug Formulary," presented to the Economic, Social, and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, Anaheim, CA, April 11, 1989 (with C.M. Kozma and C.E. Reeder).

"A Multivariate Approach to Univariate Analysis: Using Repeated Measures Designs to Evaluate Large Data Sets", presented to the Economic, Social, and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, Atlanta, March 16, 1988 (with C.M. Kozma, C.E. Reeder).

"Prepharmacy Chemistry Courses As Preparation for Medicinal Chemistry: A Survey of Student Perceptions," presented at the American Association of Colleges of Pharmacy Annual Meeting, Charleston, SC, July 14, 1987 (with J. Chapman, et al).

"Pharmaceutical Assistance for the Aged (PAA): A Comparison of State Programs," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Research and Science, APhA Annual Meeting, Chicago, April 1, 1987 (with C.M. Kozma).

"The Effects of Outpatient Drug Benefits for the Elderly on the Utilization and Reimbursement of Medicare Services," presented to the Economic, Social and Administrative Sciences Section, Academy of Pharmaceutical Sciences, APhA Annual Meeting, San Francisco, March 17, 1986.

"An Evaluation of Group 10 Proposed Maximum Allowable Cost Limits," presented to the Economic Social and Administrative Sciences Section, Academy of Pharmaceutical Sciences, APhA annual Meeting, New Orleans, April 11, 1983.

"A Comparison of Maximum Allowable Costs and Actual Acquisition Costs in NC Pharmacies," presented to the Economic, Social and Administrative Sciences Sections, Academy of Pharmaceutical Sciences, Academy of Pharmaceutical Sciences Meeting, Hollywood, Florida, November 1978 (with J.P. Gagnon).

Seminars:

"Current Controversies regarding the Affordable Care Act," Faculty Development Seminar, South University School of Pharmacy, Savannah GA and Columbia SC, November 13, 2013.

"The Affordable Care Act: Policies and Politics," Faculty Development Seminar, South University School of Pharmacy, Savannah GA and Columbia SC, October 16, 2013.

"Three Sheets to the Wind: Health Care Reform, Medicare Part D, and PBMs," 5th District Pharmacy Association Meeting, Columbia, SC, October 17, 2011.

"Technical Item Flaws: 'Testwiseness' and Irrelevant Difficulty," Exam Writing Workshop, Faculty Development Program, South University School of Pharmacy, Savannah GA and Columbia SC, February 8, 2011.

"A Health Care Reform Reflective through Political Cartoons," South Carolina Pharmacy Association Annual Meeting, Hilton Head Island, SC, June 2010.

"Health Care Policy Initiatives under an Obama Administration," Federal Pharmacy Conference, Savannah, GA, February 17, 2009

"Health Care Financing and Spending: 2008," Federal Pharmacy Conference, Savannah, GA, February 16, 2009

"Consumer Driven Healthcare: New Tools for the Future," Federal Pharmacy Conference, San Diego, CA, February 19, 2008.

"Health Care Financing and Spending," Federal Pharmacy Conference, San Diego, CA, February 18, 2008.

"Consumer Driven Healthcare and its Implications," Federal Pharmacy Conference, Savannah, GA, February 20, 2007.

"Trends in Healthcare Spending and Pharmacy Economics," Federal Pharmacy Conference, Savannah, GA, February 19, 2007.

"Driving Forces behind Health Care Costs," Capstone Scholars, University of South Carolina, Columbia, SC, January 29, 2007.

"Pharmaceutical Legislation Update," Federal Pharmacy Conference, Virginia Beach, VA, February 21, 2006.

"Pharmacy Economics: Trends and Comparisons," Federal Pharmacy Conference, Virginia Beach, VA, February 20, 2006.

"The Medicare Drug Benefit: A Primer," Spartanburg Regional Medical Center, Spartanburg, SC, December 14, 2005.

"The Medicare Drug Benefit and Your Practice," Palmetto Richland Hospital, Columbia, SC, November 16, 2005.

"Medicare Drug Benefit: A Primer for Pharmacists," Rite-Aid Pharmacy Seminar, Richmond, VA, September 21, 2005.

"Medicare Drug Benefit: A Primer for Pharmacists," Rite-Aid Pharmacy Seminar, Philadelphia, PA, September 7, 2005.

"Pharmacy Ethics," Preceptors Conference, Columbia, SC, August 4, 2005.

"Medicare Drug Benefit: A Primer for Pharmacists," Federal Pharmacy Seminar, Columbia, SC, June 21, 2005.

"Pharmacy Economics: Trends and Comparisons," Federal Pharmacy Training Conference, Myrtle Beach, SC, November 7, 2004.

"Medicare and Prescription Drugs," South Carolina Pharmacy Association, Anderson, SC, October 14, 2004.

"Increasing Health Care Costs During a Struggling Economy: Are we on the Edge of Disaster?" CVS Pharmacy Seminar, Charlotte, NC, March 11 & 12, 2003 (Two Presentations)

"Update on Education Policy in South Carolina," Business Lobbyists' Retreat, Pawley's Island, SC, September 6, 2002.

"Status of South Carolina Public Policy Issues," Berkeley County Rotary Club, Moncks Corner, May 16, 2001.

"Trends in Today's Health Care: Where Are We Heading in a Struggling Economy?" CE Escape Weekend, SC Pharmacy Association, Hilton Head Island, SC, December 1, 2001.

"Evaluating the Impact of Third-Party Cost Containment on Your Pharmacy Practice Site," CE Escape Weekend, SC Pharmacy Association, Hilton Head Island, SC, December 1, 2001.

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"Critically Evaluating Outcomes Research," Federal Pharmacy Training Conference, North Myrtle Beach, SC, October 16, 2001.

"Critically Evaluating Outcomes Research," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 6, 2000.

"Overview of Pharmacy Economics," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 4, 2000.

"Drug Benefits for Seniors: National Proposals and South Carolina's SilverRx Program," Seniors Luncheon, First Presbyterian Church, Columbia, SC, November 2, 2000.

"The Medicare Drug Benefit Proposal: South Carolina," USC College of Pharmacy Spring Seminar: Geriatric Issues, Columbia, SC, April 29, 2000.

"Critically Evaluating Outcomes Research," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 8, 1999

"Religion and Public Policy," Presbyterian Student Center Luncheon, Columbia, SC, April 22, 1999.

"Evaluating Pharmacoeconomic Literature," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 2, 1998.

"A Perspective on Suffering," MUSC Continuing Education Seminar, Charleston, SC, October 4, 1998.

"Suffering and the Pharmacist's Responsibilities," CPFI Annual Meeting, Berea, KY, July 1998.

Pharmacoeconomics and Cardiovascular Event Reduction, Bristol Myers Squibb Medical Education Program, Pinehurst, NC, November 14, 1997.

"Evaluating Pharmacoeconomic Literature," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 3, 1997.

"Practicing Pharmacy in a Worldly Environment," Carolina Pharmacy Network Breakfast, Columbia, SC, July 20, 1997.

"Evaluating Pharmacoeconomic Literature," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 4, 1996.

"The Evolution of the Revolution in Health Care: Opportunities and Challenges for Pharmacy," CE Escape Weekend, South Carolina Pharmacy Association, Hilton Head Island, December 9, 1995.

"Evaluating Pharmacoeconomic Literature," Federal Pharmacy Training Conference, North Myrtle Beach, SC, November 3, 1995.

"Why the Call for Health Care Reform?" Federal Pharmacy Training Conference, Washington, DC, November 4, 1994.

"Economics of the U.S. Health Care System," Academy of Managed Care Pharmacy Outcomes Institute, Orlando, April 9-10, 1994.

"Cost-Minimization and Cost-Benefit Analyses," Academy of Managed Care Pharmacy Outcomes Institute, Orlando, April 9-10, 1994.

"The Politics of Health Care Reform," Midlands Chiropractic Association Meeting, Columbia, SC, November 16, 1993.

"Economics of the U.S. Health Care System," Federal Pharmacy Training Conference, Myrtle Beach, SC, November 5-8, 1993.

"Evaluating the Pharmacoeconomic Literature," Federal Pharmacy Training Conference, Myrtle Beach, SC, November 5-8, 1993.

"Update and Outlook on Health Care Reform," Federal Pharmacy Training Conference, Myrtle Beach, SC, November 5-8, 1993.

"Health Care Reform: Opportunities and Challenges for Pharmacy" Wake County Pharmaceutical Association, Raleigh, NC, October 14, 1993.

"Professional Opportunities and Challenges in an Era of Health Care Reform" 1993 Western Pharmacy Education Faire, San Diego, CA, October 1 and 2, 1993.

"The Best of Times or the Worst of Times? Pharmaceutical Care in a Reformed Health Care System," University of Texas College of Pharmacy Centennial Postgraduate Pharmacy Seminar, Austin, TX, September 18, 1993.

"Cost-Benefit, Cost-Effectiveness, and Cost-Utility Analyses," Lilly Health Economics Seminar, Indianapolis, IN, August 30, 1993.

"Health Care Reform and the Christian Pharmacist," Christian Pharmacists Fellowship International Annual Meeting, Campbell University, Buies Creek, NC, August 2, 1993.

"An Introduction to Pharmacoeconomic Evaluations: Cost-Benefit and Cost-Effectiveness Analyses," Lilly Marketing Management Seminar, Indianapolis, IN, May 18, 1993.

"Critically Evaluating Pharmacoeconomic Studies," Lilly Marketing Management Seminar, Indianapolis, IN, May 18, 1993.

"Hospital Pharmacy and Health Care Reform," Washington Metropolitan Society of Hospital Pharmacists Awards Banquet, Bethesda, MD, January 28, 1993.

"A Call for Health Care Reform: Why and How," Searle Fall Federal Pharmacists Seminar, Columbia, SC, Dec 8, 1992.

"Critically Evaluating Pharmacoeconomic Research," Federal Pharmacy Conference, Myrtle Beach, Nov. 7, 1992.

"Critically Evaluating Pharmacoeconomic Research," Federal Pharmacy Conference, Myrtle Beach, Nov. 8, 1992.

"A Crisis in Health Care: Can We Stop the Cost Spiral?" South Carolina Pharmaceutical Association's Fall Seminar, Columbia, SC, September 19, 1992.

"A Crisis in Health Care: Can We Stop the Cost Spiral?" University of North Carolina Pharmacy Alumni Association Spring Reunion, Chapel Hill, NC, April, 1992.

"RU-486 and the FDA," 4th Annual Seminar, Christian Pharmacists Fellowship International, Nashville, TN, August 4, 1991.

"What are Cost/Benefit, Cost-effectiveness, and Cost Comparison Analyses?" USC College of Pharmacy Federal Pharmacy Conference, Myrtle Beach, SC, April 1, 1990.

"A Retrospection of Medicare Catastrophic Drug Benefits," Geer Drug Pharmacy Seminar, Anderson, SC, January 18, 1990.

"Medicare Catastrophic Health Care," Samford University School of Pharmacy's Consultant Pharmacy Seminar, Birmingham, AL, October 8, 1989.

"Medicare Catastrophic Coverage and Implications for Pharmacy, Denton County Pharmaceutical Association Continuing Education Seminar, Denton, TX, September 12, 1989.

"Medicare Catastrophic Coverage and Implications for Pharmacy," Allegheny Pharmaceutical Association Continuing Education Seminar, Danville, PA, June 15, 1989.

"Medicare Catastrophic Coverage and Implications for Pharmacy," Nevada Pharmacists Association's 1989 Annual Meeting, Lake Tahoe, NV, June 11, 1989.

"The Medicare Catastrophic Coverage Act and Its Drug Benefit Policies," Fifth Annual QS/1 International Users Meeting, Nashville, TN, May 14, 1989.

"The Medicare Catastrophic Coverage Act and its Implications for Pharmacy Practice," Phi Delta Chi Pharmacy Continuing Education Seminar, Columbia, SC, April 24, 1989.

"Outpatient Pharmaceutical Benefits Under Medicare and Potential Effects on Pharmacy," 41st Annual Postgraduate Pharmacy Seminar, The University of Georgia College of Pharmacy, Athens, GA, April 23, 1989.

"The Economic Implications of AIDS," 23rd Annual Seminar on Socio/economic Aspects of Pharmacy Practice, Greensboro, NC, February 23, 1989.

"Implications of the Costs of Pharmaceutical Therapies for AIDS on Medicaid Drug Programs," Pharmacy Administration Graduate Seminar, University of Texas College of Pharmacy, Austin, TX, August 15, 1988.

"Evaluation of a Change in Medicaid Formulary Policy: The South Carolina Experience," Sandoz Pharmaceuticals Government Affairs Seminar, East Hanover, NJ, June 22, 1988.

"Tomorrow's Health Care System Today," Carolina Showcase, USC College of Pharmacy, Columbia, SC, April 16, 1988.

"An Evaluation of the South Carolina Medicaid Open Drug Formulary System: Phase I Results," presented to Health Care Committee Meeting, National Pharmaceutical Council, Rosslyn, VA, February 11, 1988 (with C.E. Reeder).

"Outpatient Drug Benefits for the Elderly and their Impacts on Use and Costs of Medicare Services," presented to the Villers Foundation, Washington, DC, September 15, 1987.

"A Warning Sign for Organizations: Apathy," presented at the Kappa Psi Meeting, Columbia, SC, April 26, 1987.

"Outpatient Drug Benefits for the Elderly and their Impacts on Use Costs of Medicare Services," presented at the Pharmacy Care Administration Seminar, University of Georgia College of Pharmacy Athens, GA, February 24, 1987.

"A Proposal for an Evaluation of the South Carolina Medicaid Open Drug Formulary System," presented at the Health Care Committee Meeting, National Pharmaceutical Council, Washington, DC, September 9, 1986 (with C.E. Reeder).

"The Role and Impacts of Drug Formularies in Medicaid Programs," presented at the Kentucky Continuing Education Seminar sponsored by Merck Sharp & Dohme, Lexington, KY, August 15, 1986.

"Maximum Allowable Cost Regulations: Their Impact on Pharmacies, Wholesalers, and Drug Manufacturers," presented at the University of Texas College of Pharmacy Graduate Seminar, October 29, 1982 (with Bill D. Jobe).

"Videotaped Continuing Education Programs: The Next Best Thing to Being There (or Maybe Even Better)," presented at the Texas Pharmaceutical Association's Fall Meeting, October 31, 1981.

List of Book Reviews:

Earle W. Lingle, Review of Systems to Support Health Policy Analysis: Theory, Models, and Uses by David H. Gustafson et al., in *Journal of Pharmacoepidemiology*, Vol. 3, No.1 (1994), pp. 83-85.

LIST OF GRANT PROPOSALS SUBMITTED:

Pfizer, Inc., "Utilization of Atypical Antipsychotics in the SC Medicaid Program and their Association with Metabolic Disorders and Effects on Use of other State Services," November 2005, \$72,750, Funded, Principal Investigator (with Michael Dickson).

AstraZeneca, "Dual Eligible People with Mental Illness-The Transition to Medicare Part D Drug Coverage," September 2004, \$221,000, Not Funded, Principal Investigator (with Michael Dickson, Gene Reeder, and Richard Schulz).

SC Department of Health and Human Services, "Prescription Utilization and Expenditures in the SC Medicaid Program," June 2004, \$224,900, Funded, Principal Investigator (with Michael Dickson, Gene Reeder, and Richard Schulz).

SC Department of Health and Human Services, "Evaluation of the South Carolina Medicaid Preferred Drug List," September 2003, \$223,400, Not Funded, Principal Investigator (with Judith Shinogle and Richard Schulz).

Pfizer, Inc., Gift to USC College of Pharmacy for unrestricted support of research, 2002-2003, \$50,000 (supports research project: "Emergency Department Utilization in South Carolina Hospitals: Patient Characteristics, Diagnoses, and Payments").

GlaxoSmithKline, "Insurance Coverage Effects on Demand for Prescriptions in the Elderly and Near-elderly," 2001, \$61,341, Not Funded, (Co-principal Investigator with Judith Shinogle, Ph.D.).

Smith Kline Beecham, "Federal Pharmacy Training Conference," 2001, \$50,000, Funded.

Office of Research, University of South Carolina, "Planning Grant for a Center for the Study of Medication Management in Vulnerable Populations," 2000, \$65,000, Not funded (with Schulz, Shinogle, Reeder, McGee, and Voris).

Janssen Pharmaceutical Research Foundation, "Evaluation of Dosing Patterns and Switching of Atypical Antipsychotic Agents in the South Carolina Medicaid Population," 2000, \$66,470, Not Funded (with J. Voris).

South Carolina Commission on Higher Education, "Racial Disparity in Access to Advances in Pharmaceutical Therapies," 2000, \$68,800, Funded (with V. Young and R.M. Schulz).

Janssen Pharmaceutical Research Foundation, "A Comparative Analysis of the Utilization of Typical and Atypical Neuroleptic Medications and Related Expenditures for Medical Care," 2000, \$61,125, Not funded (with R. Rowen).

Smith Kline Beecham, "Federal Pharmacy Training Conference," 2000, \$50,000, Funded.

Glaxo Wellcome, Inc., Support for Visiting Fellowship, 2000, \$10,000, Funded (with the South Carolina Policy Council).

Merck & Co., Inc., Support for Visiting Fellowship, 1999, \$10,000, Funded (with the South Carolina Policy Council).

MedImmune, Inc., "Incidence and Costs of RSV and RSV-related Diseases: Phase II," 2000, Principal Investigator (with R.M. Schulz), 1999, \$2500, Funded.

Smith Kline Beecham, "Federal Pharmacy Training Conference," 1999, \$50,000, Funded.

Reason Foundation, Los Angeles CA, "A Blueprint for Privatization: South Carolina's Department of Mental Health," September 1998, \$18,000, Funded (with the South Carolina Policy Council).

Merck & Co., Inc., Sabbatical Support, 1998, \$15,000, Funded (with the South Carolina Policy Council).

Glaxo Wellcome, Inc., Sabbatical Support, 1998, \$16,000, Funded (with the South Carolina Policy Council).

MedImmune, Inc., Incidence and Costs of RSV and RSV-related Diseases, Principal Investigator (with R.M. Schulz), May 1998, \$16,850, Funded.

Smith Kline Beecham, "Federal Pharmacy Training Conference," 1998, \$50,000, Funded.

Pfizer Inc., "An Evaluation of Restricted Access to Pharmaceuticals in Selected Therapeutic Drug Categories in Ten State Medicaid Drug Programs," January 1998, \$8700, Funded.

Smith Kline Beecham, Federal Pharmacy Training Conference, 1998, \$50,000, Funded.

Pfizer Inc., Pharmacy Public Policy Conference, 1998, \$5000, Funded.

Upjohn-Pharmacia Pharmacy Public Policy Conference, 1997, \$5000. Funded.

Glaxo Wellcome Inc., Pharmacy Public Policy Conference, 1997, \$5000, Funded.

Merck & Co., Pharmacy Public Policy Conference, 1997, \$1000, Funded.

South Carolina Department of Mental Health, "Proposal and Plan of Analysis for Pharmacoeconomic Evaluations in the DMH Study of Atypical Antipsychotics, Principal Investigator (with RM Schulz, CM Kozma, and CE Reeder) \$44,500, 1997, Approved but not funded.

SmithKline Beecham, Federal Pharmacy Training Conference, \$50,000, 1997, Principle Investigator, Funded.

Bristol-Myers Squibb Company, "Utilization Review of Selective Serotonin Reuptake Inhibitors (SSRI's) in the South Carolina Medicaid Program," \$9250, 1996, Principal Investigator, Approved but funding denied by SPAR.

Merck & Co., Support for Pharmacy Public Policy Conference, \$5000, 1996, Principal Investigator, Funded.

Pfizer Inc., Support for Pharmacy Public Policy Conference, \$10,000, 1996, Principal Investigator, Funded.

Pharmacia Upjohn, "Support for Pharmacy Public Policy Conference," \$7500, 1996, Principal Investigator, Funded.

SmithKline Beecham, "Federal Pharmacy Training Conference," \$50,000, 1996, Principal Investigator, Funded.

Pfizer Inc., "Opinions of State Medicaid Pharmacy Consultants regarding the Restructuring of Medicaid," \$7500, 1996, Principal Investigator, Not funded.

Foundation for Managed Care Pharmacy, "Impact of the Three Tiered prescription Co-pay in Healthsource South Carolina," \$15,000, 1995, Co-investigator, Funded

Rhone-Poulenc Rorer, "South Carolina Medicaid Managed Care Conference," \$15,000, February 1995, Principal Investigator, Funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, 1995, Principal Investigator, Funded.

Pfizer Inc., "The Costs of a Therapeutic Drug Switch," \$9600, March 1994, Co-Principal Investigator, Funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, 1994, Principal Investigator, Funded.

Glaxo Inc., "The Effect of Employer-Mandated Health Insurance on Independent Pharmacies," \$8640, 1993, Principal Investigator, Not Funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, 1993, Principal Investigator, Funded.

Eli Lilly & Company, "Pharmacoeconomics Seminar," August 1993, \$5146, Funded.

Eli Lilly & Co., "Pharmacoeconomics Seminar," May 1993, \$5092, Funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, 1992, Principal Investigator, Funded.

Agency for Health Care Policy and Research, DHHS, "Impact of a Prescription Limit on Health Outcomes," \$669,708, Co-principal Investigator with R.M. Schulz, Principal Investigator, 11/92, Approved but not funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, 1991, Principal Investigator, Funded.

Health Care Financing Administration, DHHS, "Identification and Use of Home Infusion Therapy Services and Supplies: Implications for Prospective Payment," \$785,442, 8/1/91, Investigator with CM Kozma, Principal Investigator, CE Reeder, & RM Schulz, Not Funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, 1990, Principal Investigator, Funded.

Health Care Financing Administration, DHHS, "Impact of Home IV Drug Benefits on Beneficiary Utilization of Services," \$233,408, 1990-1991, Co-principal Investigator with C.M. Kozma, Principal Investigator, and C.E. Reeder, Funded.

Various Pharmaceutical Industry Sources, Fourth Annual Pharmacy Public Policy Conference, \$28,750, 1990, Principal Investigator, Funded.

Smith Kline & Beecham, "Federal Pharmacy Training Conference," \$50,000, December 1989, Principal Investigator, Funded.

National Center for Health Services Research, National Institutes of Health, DHHS, "Utilization and Expenditures of Drug Therapy for AIDS," \$72,152, 1989-1990, Principal Investigator with L.J. Kirchdoerfer and C.E. Reeder, Not funded.

Smith Kline & Beckman Foundation and American Association of Colleges of Pharmacy, "The Communication and Marketing Opportunities of the Medicare Catastrophic Coverage Act," \$25,175, April 1989-May 1990, with R.M. Schulz, Principal Investigator, Funded.

Various Pharmaceutical Industry Sources, Third Annual Pharmacy Public Policy Conference, \$28,313, 1989, Principal Investigator, Funded.

Smith Kline & French Laboratories, Smith Kline & Beckman, "Establishment of a Federal Pharmacist Training Center", \$50,215, 1988, Principal Investigator with T.F. Brady and C.E. Reeder, Funded.

Various Pharmaceutical Industry Sources, Second Annual Pharmacy Public Policy Conference, \$22,525, 1988, Principal Investigator, Funded.

Health Care Financing Administration, DHHS, "The Utilization of Pharmaceuticals By Elderly Receiving Drug Benefits Under State sponsored Programs," \$91,315, 1988-1990, Principal Investigator with R.M. Schulz, W.M. Dickson, C.E. Reeder, Funded.

Health Care Financing Administration, DHHS, "Estimation of Demand for Cardiovascular Drug by the Elderly Under a Medicare Outpatient Drug Benefit Program," \$202,915, 1988-1989, with W.M. Dickson, Principal Investigator, R.M. Schulz, C.E. Reeder, Not Funded.

Health Care Financing Administration, DHHS, "An Exploratory Study of Average Wholesale Prices for Prescription Drugs by Therapeutic Category and Brand Name Status," \$142,587, 1988-1989, with C.E. Reeder, Principal Investigator, W.M. Dickson, and R.M. Schulz, Approved but not funded.

National Pharmaceutical Council, Inc., "An Evaluation of the South Carolina Medicaid Open Drug Formulary System," \$66,000, 1986-1988, Co-principal Investigator with C.E. Reeder, Funded.

Various Pharmaceutical Industry Sources, First Annual Pharmacy Public Policy Conference, \$31,060, 1987, Principal Investigator, Funded.

MANUSCRIPTS AND PROPOSALS REVIEWED OR REFEREED:

- American Journal of Pharmaceutical Education, 2 manuscripts refereed: "Evaluation of a Medicare Part D Community Outreach Train-the-Trainer Program for Pharmacy Faculty," 5/08. "Preparing PharmD Students to Participate in Medicare Part D Education and Enrollment," 2/07.
- The Annals of Pharmacotherapy, 1 manuscript refereed: "The Additional Medical Utilities of Mifepristone," 5/93
- American Pharmacy, 4 manuscripts refereed: "The Economic Effect of an Expansion of Pharmacy Benefits on Total Health Care Expenditures by a State Medicaid Program," 5/08. "Pharmacists' Views on Health Care Reform," 9/93. "Who Needs Third Party Administrators Anyway?" 5/93 "Pharmaceutical Care is Just another Name for Clinical Pharmacy, Isn't It?" 12/92
- Inquiry: 2 manuscripts refereed
- Journal of Pharmaceutical Marketing & Management, 1 manuscript refereed:
- "The Impact of Managed Care Formularies on the Cost and Quality of Care: An Initial Survey of Physician Attitudes," 7/91
- Journal of Pharmacy Teaching, 1 manuscript refereed "Using Town Meetings to Teach the Values Inherent in Health-Care Resource Allocation Decisions," 12/93
- Journal of Research in Pharmaceutical Economics, 4 manuscripts refereed (1 in 1995)

OTHER CONSULTING, REVIEW PANELS, ETC:

- Review Panel, 2008 American Pharmacy Association Annual Meeting Papers Review
- Review Panel, 2007 American Pharmacy Association Annual Meeting Papers Review
- Review Panel, 2006 American Pharmacy Association Annual Meeting Papers Review

MEDIA INTERVIEWS:

- "Medicare Drug Benefit," Guest on the Gary Pozsik Show: Health, Wealth, and Happiness, WTGH, November 16, 2005.
- "Medicare Drug Benefit," Guest on the Gary Pozsik Show: Health, Wealth, and Happiness, WTGH, October 21, 2005.
- "Governor Sanford's School Choice Proposal," WSPA-TV and WLTX-TV Interview, February 2003.
- "2002 Elections;" SC Educational Television Interview, November 2002
- "Political Primaries 2000," WMHK Radio Interview, February 2000.
- "Pharmacy and the Year 2000," WIS-TV Interview, December 1999.
- "Reforming the SC Department of Mental Health," Greenville News Editorial Board Interview, May 5, 1999.
- "Reforming the SC Department of Mental Health," Charleston Post & Courier, Editorial Board Interview, April 1999.
- "Factors Driving Health Care Costs," Carolina Minute, USC, 1998.
- "Life-style and Cosmetic Drugs: A New Area of Focus," Carolina Minute, USC, 1998.
- "Research regarding RSV Infection," Carolina Minute, USC, 1998.
- "Marketing of Viagra," Newspaper Interview, Greenville News, May 1998.
- "Pricing of Prescription Drugs," Television Interview, Carolina News, March 1998.
- "Medicare and Managed Care," Newspaper Interview, Gaffney Ledger, February 1998.
- "The Effect of the 1996 Elections on Health Care," Radio Interview, WIJY, November 1996.
- "The Effect of the 1996 Elections on Health Care," Radio Interview, WVOC, Nov. 1996.

- "The Effect of the 1996 Elections on Health Care," Radio Interview, South Carolina Radio Network, November 1996".
- "The Effect of the 1996 Elections on Health Care," Newspaper Interview, Carolina Morning News, November 1996.
- "The South Carolina Republican Primary," Roundtable Discussion, Inside Politics, CNN, February 1996.
- "Health Care Reform" Radio Interview, WMHK, August 1994.
- "RU-486," Radio Interview, heard on four Arizona radio stations, July 1994.
- "Health Care Reform," Radio Interview, WVOC, October 1993.
- "Health Care Reform," Radio Interview, South Carolina Radio Network, October 1993.
- "Health Care Reform," Radio Interview, WCOS, October 1993.
- "The Medicare Catastrophic Care Bill and its Inclusion of a Drug Benefit," Radio Interview, South Carolina Public Radio, Columbia, South Carolina, November 10, 1987.
- "The Medicare Catastrophic Care Bill and its Inclusion of a Drug Benefit," Radio Interview, Columbia, South Carolina, November 2, 1987.
- "Outpatient Drugs Under Medicare," Television Interview, WOLO-TV, Columbia, South Carolina, November 14, 1985.
- "Outpatient Drugs Under Medicare," Radio Interview, University of South Carolina News Bureau, Columbia, South Carolina, November 20, 1985.
- "Outpatient Drugs Under Medicare," Newspaper Interview, The State, Columbia, South Carolina, November 12, 1985.

TESTIMONY BEFORE LEGISLATIVE AND ADMINISTRATIVE COMMITTEES:

- Testimony before Department of Health and Environmental Control Certificate of Need Hearing, Greenville, SC, March 6, 2003.
- Testimony before the Education Subcommittee, Finance Committee, South Carolina State Senate, Academic Assistance Grants, February 6, 2002.
- Testimony before the Personnel and Benefit Subcommittee, Ways and Means Committee, South Carolina House of Representatives, Elderly Prescription Drug Benefit, Columbia, SC, April 2000.
- Testimony before the Ad Hoc Committee to Study School Choice/Open Enrollment, South Carolina House of Representatives, Columbia, SC, September 23, 1999
- Testimony before the Department of Health and Human Services Task Force on Federal Drug Reimbursement Policies, Hubert H. Humphrey Building, Washington, DC, September 12, 1983.