

John E. Paul, PhD MSPH

Professor, Department of Health Policy and Management
Gillings School of Global Public Health, University of North Carolina at Chapel Hill

Education

PhD, Department of Health Policy and Administration. School of Public Health, University of North Carolina at Chapel Hill, 1983

MSPH, Department of Health Administration. School of Public Health, University of North Carolina at Chapel Hill, 1980

MEd, Guidance and Counseling. College of Human Development and Learning, University of North Carolina at Charlotte, 1975

BA, Chemistry. College of Arts and Sciences, Cornell University, Ithaca, NY, 1969

Professional Experience

2013 – current	Clinical Professor/Professor	Department of Health Policy and Management Gillings School of Global Public Health University of North Carolina at Chapel Hill
2013 – 2017	Associate Chair for Academics	Department of Health Policy and Management Gillings School of Global Public Health University of North Carolina at Chapel Hill
2005 – 2013	Editor-in-Chief	<i>World Health & Population</i> . Longwoods Publishing, Toronto, Ontario, Canada
2005 – 2013	Clinical Associate Professor	Department of Health Policy and Management Gillings School of Global Public Health University of North Carolina at Chapel Hill
2002 – 2005	Adjunct Professor	Department of Health Policy and Administration School of Public Health University of North Carolina at Chapel Hill
2003 – 2005	Vice President	Global Business Strategy RTI Health Solutions RTI International
2001 – 2003	Division Director	Health Economics and Patient Outcomes RTI Health Solutions RTI International
1998 – 2001	Senior Head and U.S. Director	Global Health Outcomes GW Research and Development GlaxoWellcome PLC (UK)
1995 – 1998	Director	Clinical Economics and Outcomes Assessment Care Management Division GlaxoWellcome, Inc. (US)
1993 – 1995	Senior Pharmacoeconomist	International Economics Research Burroughs Wellcome Co.
1989 – 1993	Senior Research Health Analyst	Center for Policy Studies Research Triangle Institute

1983 – 1989	Research Health Analyst	Center for Health Research Research Triangle Institute
1979 – 1982	International Health Consultant	Center for Health Research Research Triangle Institute
1990 – 2003	Adjunct Associate Professor	Division of Pharmaceutical Outcomes and Policy Eshelman School of Pharmacy University of North Carolina at Chapel Hill
1990 – 2002	Adjunct Associate Professor	Department of Health Policy and Administration School of Public Health University of North Carolina at Chapel Hill
1984 – 1990	Adjunct Assistant Professor	Department of Health Policy and Administration School of Public Health University of North Carolina at Chapel Hill
1978 – 1983	Research Assistant	Department of Health Administration School of Public Health University of North Carolina at Chapel Hill
1981 – 1982	Management Consultant	Population, Health and Nutrition Division The World Bank
1977 – 1978	Executive Director	Epilepsy Association of North Carolina, Inc.
1976 – 1977	Community Services Director	Epilepsy Association of North Carolina, Inc.
1972 – 1975	Environmental Chemistry Consultant	Division of Environmental Management North Carolina Department of Natural and Economic Resources
1969 – 1971	Rural Development Specialist	United States Peace Corps, Nepal

Honors and Awards

Alumni Leadership Award, Department of Health Policy and Management, University of North Carolina at Chapel Hill, 2018

Teaching Innovation Awards, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, 2012, 2013, 2015

Distinguished Teaching Award for Post-Baccalaureate Instruction, University of North Carolina at Chapel Hill, 2011

Research Fellow, Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, 2005-2010

Delegate, GlaxoWellcome International Leadership Programme, March 2000

Professional Development Award, Research Triangle Institute, 1990-1992

Delta Omega Public Health Honorary Society, elected 1980

Presidential Management Internship, U.S. Department of Health and Human Services, 1980.

U.S. Public Health Service Traineeship, 1978-1983.

Memberships

American Public Health Association (APHA), 1978 – 2003. Medical Care Section; International Health Section. Medical Care Section Program Chair, 1992 – 1993. APHA Governing Council, 1994 – 1995.

AcademyHealth, 1990 – 2011.

International Society for Pharmacoeconomics and Outcomes Research (ISPOR), 1996 – 2006. Chair, Institutional Council, 2002 – 2004.

Publications

Peer-Reviewed Journal Articles

1. Muiruri C, Okeke NL, Zullig LL, Mkumba L, Weinberger M, Bennett AV, **Paul JE**, Holmes GM, Bartlett JA. “Does having a general practitioner improve the quality of primary arteriosclerotic cardiovascular disease prevention for People Living with HIV?” *Journal of the Association of Nurses in AIDS Care* (submitted)
2. Muiruri C, Ghedamu T, Zullig LL, **Paul JE**, Weinberger M, Bartlett JA, Bennett AV. “Infectious diseases specialists’ perceptions and attitudes regarding cardiovascular disease prevention among HIV-infected persons: A qualitative study.” (under revision)
3. Tsai-Ling Liu, Barritt AS, Weinberger M, **Paul JE**, Fried BJ, and Trogon JG. “The Impact of Physician Specialty Mix on the Outcomes of Patients Dually-Diagnosed with Diabetes and Compensated Cirrhosis.” *Diabetes Care* (in press July 2017)
4. Masters S, Trogon JG, Stearns SC, Tate DF, **Paul JE**, Thirumurthy H. “Has mobile phone ownership improved health knowledge and behavior? Evidence from a longitudinal study in Uganda.” *Social Science & Medicine*. (submitted 2017)
5. Jungerwirth R, Wheeler S, **Paul JE**. “Impact of Hospitalist Programs on Mortality and Readmissions among Medicare Patients.” *Journal of Hospital Medicine*, 9(1), Jan 2014.
6. Weaver EH, Frankenberg E, Fried BJ, Wheeler SB, **Paul JE**. “Effect of Village Midwife Program on Contraceptive Prevalence and Method Choice in Indonesia.” *Studies in Family Planning*, 44(4), Dec 2013.
7. **Paul JE**, Iannitti, N. “On Beyond Clickers: Twitter as a Classroom Response System.” *Journal of Health Administration Education*, 29(4), Winter 2012
8. Oosmanally N, **Paul JE**, Ebert, CS, Zanation, AM, Ewend, MG, Senior, BA. “Comparative Analysis of Costs in Minimally Invasive Pituitary Surgery and Sublabial-Transseptal Approaches to the Pituitary.” *International Forum of Allergy & Rhinology*, 1(4), July/August 2011
9. Lin Pei-Jung, Kaufer DI, Maciejewski ML, Ganguly R, **Paul JE**, Biddle AK. “An examination of Alzheimer’s disease case definitions using Medicare claims and survey data”. *Alzheimer’s & Dementia: The Journal of the Alzheimer’s Association*. 6(5), May 2010
10. Staley JA, Zelman WN, Porto JV, Hobbs SH, **Paul JE**. “Preparedness Roles for Health Policy and Management Departments: Ensuring Educational Continuity during Disaster Events.” *Journal of Health Administration Education*, 7:1, Spring 2010
11. Lin Pei-Jung, Maciejewski ML, **Paul JE**, Biddle AK. “Risk Adjustment for Medicare Beneficiaries with Alzheimer’s Disease and Related Dementias.” *American Journal of Managed Care*, 16:3, 191-198, March 2010
12. Rondeau KV, **Paul JE**, Rakich JS. “Hartland Memorial Hospital (Parts A and B).” *The Electronic Hallway*, Evans School of Public Affairs, University of Washington, 2008

13. Gregson N, Sparrowhawk K, Mauskopf JA, **Paul JE**. "Pricing Medicines: Theory and Practice, Challenges and Opportunities." *Nature Reviews: Drug Discovery*, 4(2):121-130, 2005
14. Johnson FR and **Paul JE**. Modeling for health care and other policy decisions: uses, roles, and validity (letter). *Value in Health*, 5(1):62-63, 2002.
15. **Paul JE**, Trueman P. "Fourth Hurdle Reviews, NICE, and Database Applications." ISPE/ISPOR Symposium Paper. *Pharmacoepidemiology and Drug Safety*, 10:1-10, 2001
16. Lucas DO, Zimmer LO, **Paul JE**, Jones D, Slatko GH, Liao WC, Lashley J. "Two-year results from the Asthma Self-Management Program: Long-term impact on health care services, costs, functional status, and productivity." *Journal of Asthma*, 38(4):321-330, 2001
17. Samsa GP, Matchar DB, Goldstein L, Bonito A, Duncan PW, Lipscomb J, Enarson C, Witter D, Venus P, **Paul JE**, Weinberger M. "Utilities for major stroke: Results from a survey of preferences among persons at increased risk for stroke." *American Heart Journal*, 136(4):703-713, 1998
18. Mauskopf JA, **Paul JE**, Grant DM, Stergachis A. "The role of cost-consequence modeling in health care decision making." *PharmacoEconomics*, 13(3):277-288, 1998
19. Hawker GA, Wright JG, Coyte PC, **Paul JE**, Dittus RS, Croxford R, Katz BP. "Health-related quality of life after knee replacement." *Journal of Bone and Joint Surgery*, 80-A(2):163-173, 1998
20. Hawker GA, Coyte PC, Wright JG, **Paul JE**, Bombardier C. "Accuracy of administrative data for assessing outcomes after knee replacement surgery." *Journal of Clinical Epidemiology*, 50(3):265-73, 1997
21. Doyle JJ, Casciano JP, Arikian SR, Mauskopf JA, **Paul JE**. "Full cost determination of different levels care in the intensive care unit: An activity-based costing approach." *PharmacoEconomics*, 10(4):395-408, 1996
22. Katz BP, Freund DA, Heck DA, Dittus RS, **Paul JE**, Wright JG, Coyte PC, Holleman EB, Hawker GA "Demographic variation in the rate of knee replacement: A multi-year analysis." *HSR: Health Services Research*, 31(2):125-140, 1996
23. Mauskopf JA, **Paul JE**, White AD, Wichman DS, Tilson HH. "Economic impact of treatment of HIV-positive pregnant women and their newborns with zidovudine: Implications for HIV screening." *JAMA*, 276(2):132-138, 1996
24. DesHarnais S, Simpson KN, **Paul JE**. "Antiviral drug use in hospitalized patients with herpes infections." *American Journal of Medical Quality*, 11(1):33-42, 1996.
25. Goldstein L, Bonito A, Matchar DB, DeFries G, Oddone E, **Paul JE**, Samsa G, and Akin D. U.S. National Survey of Physician Practices for the Secondary and Tertiary Prevention of Ischemic Stroke: Design, service availability and common practices. *Stroke*, 26(9):1607-1615, 1995
26. **Paul JE**, Mauskopf JA, Bell L. "Cost-consequence models for varicella-zoster virus infections." *PharmacoTherapy*, 15(5):49S-58S, 1995
27. Bombardier C, Melfi CA, **Paul JE**, Green RG, Hawker GA, Wright JG, Coyte PC. "Comparison of generic (SF-36) and disease-specific (WOMAC) measures of pain and physical function after knee replacement surgery." *Medical Care*, 30(4):AS131-AS144, 1995. Also published in *Journal of Rheumatology*, 22(6):1193-1196, 1995
28. Hawker GA, Wright JG, Coyte PC, Croxford R, **Paul JE**, Katz B, Bombardier C, Melfi CA, Dittus RS. "Patient-reported knee pain following knee replacement surgery." *Journal of Bone and Joint Surgery*, 1994
29. Wright JG, Heck DA, Hawker GA, Dittus RS, Freund DA, Joyce D, **Paul JE**, Young WW, Coyte PC. "Rates of tibial osteotomies in Canada and the United States." *Clinical Orthopaedics and Related Research*, 319:266-275, October 1995

30. Coyte PC, Wright JG, Hawker GA, Bombardier C, Dittus RS, **Paul JE**, Freund DA, Ho E. "Waiting times for knee replacement surgery in the United States and Ontario." *New England Journal of Medicine*, 331(16):1068-1071, October 20, 1994
31. **Paul JE**, Melfi CA, Kalasinski LA. "Use of large databases for outcomes research." *Current Opinion in Orthopedics*, 5(1):75-79, 1994
32. Mitchell JE, Bubolz T, **Paul JE**, Pashos, CL, *et al.* "Using Medicare claims for outcomes research." *Medical Care*, 32(7):JS38-JS51, 1994
33. Friede A, Freedman MA, **Paul JE**, Rizzo NP. "Data 2000: An information system within CDC WONDER that links 'Healthy People 2000' objectives to data sets." *American Journal of Preventive Medicine*, 10(4):230-234, 1994
34. Hawker GA, Bombardier C, Freund DA, Dittus RS, Heck D, Coyte PC, Wright JG, Katz, B, **Paul JE**. "U.S. Survey of knee replacement recipients to assess short and long-term outcomes." *Arthritis and Rheumatism*, 36(supplement):S85, 1993
35. **Paul JE**, Weis KA, Epstein R. "Databases for variations research." *Medical Care*, 31(5):YS96-YS102, 1993. Presented at 4th Biennial Regenstrief Conference, October 1991
36. Freund DA, Rossiter LF, **Paul JE**, *et al.* "Evaluation of the Medicaid Competition Demonstrations." *Health Care Financing Review*, 11(2), Winter 1989
37. Hurley RE, **Paul JE**, Freund DA. "Going into gatekeeping: An empirical assessment." *Quality Review Bulletin*, October 1989

Books

1. Hurley RE, Freund DA, **Paul JE**. *Managed Care in Medicaid: Lessons for Policy and Program Design*. Ann Arbor, MI: Health Administration Press, 1993.
2. Jain SC, **Paul JE**, eds. *Policy Issues in Personal Health Services*. Germantown, MD: Aspen Systems Corporation, 1983.
3. Jain SC, Kanagaratnam K, **Paul JE**, eds. *Management Development in Population Programs*. Chapel Hill, NC: Department of Health Administration and Carolina Population Center, 1981.

Book Chapters

1. **Paul JE**, Gilson, G. "Structure and Funding of Hospitalist Programs." Chapter 20 in Darr K, Farnsworth TJ and Myrtle RC, eds. *Cases in Health Services Management*, 6th ed., Baltimore: Health Professions Press, 2017.
2. Rondeau KV, **Paul JE**, Rakich JS, "Hartland Memorial Hospital: In-box and Priority Setting Exercise." Chapter 12, in Darr, K, Farnsworth, TJ and Myrtle RC, eds. *Cases in Health Services Management*, 6th ed., Baltimore: Health Professions Press, 2017. (Chapter 14 in 5th ed., 2010.)
3. Rondeau KV, **Paul JE**, Rakich JS, "Hartland Memorial Hospital: An In-box Exercise." Integrative Case 12, pgs. 603-613 in Daft RL *Organization Theory and Design*, 10th ed., South-Western College Publishing, 2010.
4. **Paul JE**, Tilson HH. "Use and Opportunities for Administrative Databases in Pharmacoeconomic Research." Chapter 121, pgs. 1165-1171 in Spilker B, ed. *Quality of Life and Pharmacoeconomics in Clinical Trials*, 2nd ed., Philadelphia: Lippincott-Raven Publishers, 1996.
5. Whitmore R, **Paul JE**, Gibbs DA, Beebe J. "Use of Health Status Indicators in the Calculation of the AAPCC." Part I, pgs. 75-109 in Rossiter LF and Scheffler RM, eds. *Advances in Health Economics and Health Services Research, Vol. 10*. Greenwich, CT: JAI Press, 1989.

6. Freund DA, Hurley RE, **Paul JE**, Grubb CA, Rossiter LF, Adamache KW. "Interim Findings from the Medicaid Competition Demonstrations." Part II, pgs. 153-181 in Rossiter LF and Scheffler RM, eds. *Advances in Health Economics and Health Services Research, Vol. 10*, Greenwich, CT: JAI Press, 1989.

Selected Research Reports and Published Monographs (non-refereed)

1. Lisee A, Hogue SL, Brogan AP, **Paul JE**. "Rare Diseases and Orphan Designations: Payer Perspectives in Seven Countries." *Value in Health*, special issue, 2017 (submitted)
2. Brooks E, **Paul JE**, Pink GH, Radford A, Simms J, *et al.* "Rural Health and Economic Development in North Carolina: Options for the Golden LEAF Foundation," Report submitted to the Golden LEAF Foundation, January 2009
3. Mauskopf, JA, **Paul JE**, "The Value of Investment in Health Care: Better Care, Better Lives," AHA Value Group Monograph, American Hospital Association, January 2004
4. **Paul JE**, Melfi CA, Smith TK, *et al.* "Linking of Primary and Secondary Data for Outcomes Research: Methodology of the Total Knee Replacement Patient Outcomes Research Team. *Proceedings of the Sixth Conference on Health Survey Research Methods*, DHHS Pub. No. (PHS) 96-1013, April 1996
5. **Paul JE**, Mauskopf JA. "Cost-of-Illness Methodologies for Water-Related Diseases in Developing Countries." WASH Technical Report No. 75. Arlington, VA: Water and Sanitation for Health Project, November 1991. Presented at the Annual Meeting of the American Public Health Association, November 1989
6. Zimmerman DL, **Paul JE**. "Current Developments in State Medicaid DRG Programs." George Washington University, Washington, DC: Intergovernmental Health Policy Project, 1989
7. **Paul JE**. "Guidelines for Implementation Planning in Guinea Worm Control Programs and an Approach to Assessment of Cost-Benefit." WASH Field Report No. 233. Arlington, VA: Water and Sanitation for Health Project, March 1988
8. **Paul JE**. "Implementation Planning and Cost-Benefit Models for Guinea Worm Eradication in Pakistan." WASH Field Report No. 231. Arlington, VA: Water and Sanitation for Health Project, March 1988
9. **Paul JE**, Gibbs D, Sumarto D. "Job-Related Competencies and Curriculum Development." RTI Technical Report, Republic of Indonesia Schools of Public Health Development Project. Research Triangle Park, NC: Research Triangle Institute, 1987
10. **Paul JE**, Isley R, Ginsberg G. "Cost-Effective Approaches to the Control of Dracunculiasis." WASH Technical Report No. 38. Arlington, VA: Water and Sanitation for Health Project, September 1986. Presented at the Annual Meeting of the American Public Health Association, November, 1987
11. **Paul JE**, Stuart CB. "Needs Assessment of Allied Health Professions in Southwestern North Carolina." Final Report. Research Triangle Park, NC: Research Triangle Institute, July 1984

Selected Invited Presentations and Workshops

1. **Paul JE.** “Health Care System Reform in the U.S.” UNC-CH Honors College ‘Food for Thought’ series, September 13, 2017.
2. **Paul JE.** Panel on “Securing and Navigating Your First Academic Position in Outcomes Research.” UNC-CH ISPOR Student Chapter, April 7, 2016.
3. **Paul JE** and Meade P. “Health Care in North America: U.S. and Canadian Perspectives.” Canadian Business Association of North Carolina, Durham, NC, April 20, 2014.
4. **Paul JE.** “UNC and Global Education.” Panel for *Open World* delegation from Russia. International Affairs Council, FedEx Global Education Center, June 17, 2013.
5. **Paul JE.** “Left to Their Own Devices: Panel Discussion on Student Use of Laptops and Other Electronics in the Classroom.” UNC Center for Faculty Excellence/ Instructional Technology Services, November 2, 2012
6. **Paul JE.** “Using Technology for Teaching and Learning.” New Faculty Orientation Workshop, Gillings School of Global Public Health, October 8, 2012
7. **Paul JE.** “Your Scholarship in Year One.” Future Faculty Fellows Program, UNC Center for Faculty Excellence, August 9, 2012
8. **Paul JE.** “On Beyond Clickers: Use of Twitter and Qualtrics as Classroom Response Systems.” Inaugural lecture for the Teaching and Learning Development Series, UNC Gillings School of Global Public Health, Sept 26, 2011
9. **Paul JE.** “Left to Their Own Devices: A Faculty/Student Panel Discussion on Technology Use at Carolina.” Part of “Shift + Control + TEACH: A Faculty Showcase.” UNC Center for Faculty Excellence/ Instructional Technology Services, Oct 29, 2010
10. Oosmanally N, **Paul JE**, Ebert, CS, Zanation, AM, Ewend, MG, Senior, BA. “Comparative Analysis of Cost of Minimally Invasive Pituitary Surgery and Sublabial-Transseptal Approaches to the Pituitary.” American Rhinology Society Annual Meeting, Boston, September 2010
11. **Paul JE.** “Managing in the Healthcare Environment.” Continuing Education Workshop, Zayed Military Hospital, Abu Dhabi, UAE. June 9, 2010
12. **Paul JE.** “No Clickers Required: Innovations in Classroom Response.” UNC Center for Faculty Excellence/Instructional Technology Services Workshop, March 2010
13. **Paul JE** and Iannitti N. “Tech Savvy Nurses: Social Media and Nursing Professionals.” UNC School of Nursing Continuing Education Workshop, April 2010
14. **Paul JE.** “Role of Information in the Changing World of Health Care.” Doctoral Anniversary Symposium, Department of Health Policy and Administration, School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, May 23, 2002
15. **Paul JE.** “Value in the Drug Development Process: How Do You Know It Is There?” Workshop at the 7th Annual Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Washington, DC, May 21, 2002
16. **Paul JE.** “Building Stronger Bridges Among CROs, Pharmaceutical Companies, and Integrated Delivery Systems.” UNC School of Public Health Symposium, Closing the Gap between Knowing and Doing: Organizational Theory and Research to Improve Health Care Delivery, May 14-15, 2001

17. **Paul JE.** “Economic Guidelines, Reimbursement, and Market Access Issues for Pharmaceutical Products.” Spring Seminar Series, UNC-CH Program on Health Outcomes, March 23, 2001
18. **Paul JE.** “Fourth Hurdle Reviews, NICE, and Database Applications.” ISPE/ISPOR Symposium on the Powers and Perils of Health Data Used in Epidemiological and Economic Research. Chapel Hill, NC, April 14, 2000
19. **Paul JE.** “Disease Management and the Pharmaceutical Industry.” *Williamson Collegium*. Medical College of Virginia, Richmond VA, October 27, 1997
20. **Paul JE.** “Design and Use of Large Databases.” *Methodologies in Healthcare Outcomes in Gastroenterology*. Gastroenterology Research Group, Philadelphia PA, September 19-21, 1997
21. **Paul JE.** “Administrative Databases in Outcomes Assessment.” *Methodologies in Healthcare Outcomes in Gastroenterology*. Gastroenterology Research Group, Seattle WA, Aug 21-22, 1996
22. **Paul JE.** “Outcomes Research in Disease Management Programs.” Epidemiology Track, Annual Meeting of the Drug Information Association, San Diego CA, June 10, 1996
23. **Paul JE.** “Defining Disease Management in the U.S. Pharmaceutical Market.” *BIO '96*, International Biotechnology Meeting and Exhibition, Philadelphia PA, June 11, 1996
24. **Paul JE.** “Use of Large Databases in Outcomes Assessment.” *Methodologies in Healthcare Outcomes in Gastroenterology*. Gastroenterology Research Group, Chicago IL, Nov 10-11, 1995
25. **Paul JE.** “Measuring and Interpreting Patient Satisfaction.” Epidemiology Track, Annual Meeting of the Drug Information Association, Orlando FL, June 27, 1995
26. **Paul JE.** “Pharmaceutical Outcomes Research in Practice: Experience Using Administrative Databases in Outcomes Research.” *Outcomes '95: Shifting the Focus from Cost of Drug Therapy to Global Cost of Health Care*. Washington DC, March 6-7, 1995
27. **Paul JE, Mauskopf JA, Bell L.** “Modeling the Impact of Treatment of Herpesvirus Infections on Costs and Quality of Life.” *Winter Practice and Research Forum*, American College of Clinical Pharmacy, Orlando FL, February 14, 1995
28. **Paul JE.** “Present and Future Directions in Drug Research Development: Pharmaceutical Manufacturers Perspective.” University of Pittsburgh Medical Center Research Symposium, Pittsburgh PA, December 1, 1994
29. **Paul JE.** “Use of Large Databases in Outcomes Research.” Epidemiology Track, Annual Meeting of the Drug Information Association, Washington DC, June 6, 1994
30. **Paul JE.** “Administrative Databases in Outcomes Research.” *Minority Health Outcomes Workshop*, Agency for Health Care Policy and Research, New Orleans LA, March 1993
31. **Paul JE, Sherrill TA.** “Uses of Large Databases in Outcomes Research.” American Academy of Orthopaedic Surgeons Symposium on Musculoskeletal Outcomes Research, Phoenix AZ, January 1991
32. **Paul JE, Hurley RE, Freund DA.** “Primary Care Case Management and Enrollment of Medicaid Beneficiaries in HMOs.” Annual Conference of the National Association for Welfare Research and Statistics, Charleston SC, July 1991
33. **Paul JE, Rizzo NP, Wilson R.** “Databases for Monitoring the Healthy People 2000 Objectives.” Annual Meeting of the American Public Health Association, New York NY, October 1990

34. **Paul JE**, Sherrill TA. “The Minnesota Medicaid Consumer Survey.” Annual Meeting of the American Public Health Association, Chicago IL, November 1989
35. **Paul JE**. “Implementation Planning and Cost-Benefit Analyses in Guinea Worm Eradication Programmes.” WHO Annual Workshops, *Dracunculiasis in Africa*. Niamey, Niger, June 1987 and Accra, Ghana, March 1988
36. **Paul JE**, Reimer DB. “Area Health Education Centers: Coordinating Alternative for Community Hospitals.” Annual Meeting of the American Public Health Association, Los Angeles CA, Nov 1981
37. **Paul JE**, Kaluzny AD, Veney JE. “Factors Affecting Innovation in Local Health Departments.” Annual Meeting of the American Public Health Association, Los Angeles CA, November 1981

Dissertation

Paul JE. “Clinic Utilization and Organizational Response: Results from Changes in the United Mine Workers of America Health and Welfare Fund Payment Policies, 1976-1980.” Doctoral Dissertation, Department of Health Policy and Administration, University of North Carolina at Chapel Hill, Chapel Hill, NC, 1983.

Dissertation nominated for the Greenberg Award, 1983. Presented at the Annual Meeting of the American Public Health Association, September 1986.

Teaching Record Since 2005:

Courses taught at UNC-Chapel Hill:

HPM 789.001/002 *Master’s Paper Development*. Average enrollment, 16 students. Fall 2018; Spring 2019.

HPM 730.001 *Leadership and Management in Healthcare Organizations*. Average enrollment, 62 students. Fall, 2005–2017.

HPM 728.967 *Leadership and Workforce Management Strategies*. Average enrollment, 50 students. Online course—Executive Master’s Program. Spring, 2012–2018.

HPM 871.001 *Seminar in Teaching of Health Policy and Administration*. Average enrollment, 10 students. Fall, 2006 – current.

HPM 472.001 *Program Evaluation in Health Care*. Average enrollment, 20 students. Spring, 2009-2013; 2017– current.

HPM 773.967 *Program Evaluation in Health Care*. Average enrollment, 8 students. Online course—Executive Master’s Program. Spring, 2017– current.

HPM 735.001 *Concepts and Applications in Health Policy and Administration (“Capstone”)*. Average enrollment, 36 students. Spring, 2007– 2015.

HPM 734.001 *Approaches to Business Plan Development (“Capstone Prep”)*. Average enrollment, 36 students. Fall, 2008--2014.

HPM 730.954 *Leadership and Management in Healthcare Organizations*. Average enrollment, 40 students. Online. Summer, 2006–2010.

HPM 725.001 *Strategy and Marketing in Healthcare Organization*. Average enrollment, 32 students. Spring, 2006–2007.

Visiting Faculty Appointments:

EMHCA 601 *Managing in the Health Care Sector*. Executive Master's Program, Zayed University, Abu Dhabi, UAE. Hybrid course: In-person and online. Average enrollment, 24 students. Spring/Summer, 2010 – 2017.

Healthcare Management Preceptorship. Family Medicine Residency Program, Zayed Military Hospital, Abu Dhabi, UAE. Onsite, 14 students. February 2013.

GDHA 105 *Leadership in Healthcare Organizations*. Certificate in Health Management, HMI International, Singapore. Hybrid course: In-person and online, 8 students. Fall 2011.

UNC-CH HPM Students Supervised

Doctoral Dissertation Chair (PhD and DrPH)

1. Evan Simpson DrPH (2018): “Assessing the Organizational Readiness of the Zambia Ministry of Health to Adopt a New Immunization Supply Chain Distribution System.”
2. Charles Muiruri, PhD (2017): “Does Primary Care Oversight Improve Quality of Cardiovascular Care for HIV+ Persons?”
3. Stacy-Ann Christian, DrPH (2016): “Evaluation of Chronic Disease Management Guidelines Implementation in Jamaica.”
4. Jackie McPherson, DrPH (2015): “Problems and Approaches Regarding Medical Waste in Resource-Constrained Countries: The Case of Nepal.”
5. Lynne Safrit, DrPH (2014): “New Intersections between Academia and Industry: Identifying Pitfalls and Navigating Successful Partnerships.”
6. Phillip Downs, DrPH (2014): “Opportunities and Barriers in the Control of Lyme Disease: Implications for Practice.”
7. Kerry Bruce, DrPH (2013): “Integration of Mobile Phone Technology into Monitoring and Evaluation for INGOs in Africa”
8. Timothy King, DrPH (2013): “Open-Source Research and Development (OSRD) Approaches: Feasibility and Advantages for the Pharmaceutical Industry.”
9. Michael Park, PhD (2013): “Impact of Social Protection Programs on Child Health and Education in Ghana.”
10. Kristine Shields, DrPH (2012): “The Inclusion of Pregnant Women in Clinical Research: Implications for the U.S. Pharmaceutical Industry.”
11. Nancy McGee, DrPH (2011): “Standards for Evidence in Health Technology Assessments.”
12. Habib El-Takach, DrPH (2010): “Effect of Administrative Reforms on Prison Health in Lebanon.”

Doctoral Dissertation Committee Member (PhD and DrPH)

1. Abu Ugbede, DrPH (Candidate): “Availability of Essential Medicines in Malawi's Public Health Facilities: Barriers and Enablers.”
2. Greg Page, DrPH (Candidate): “Barriers and Facilitators of Completing an Advance Directive: The Perspectives of Healthcare Professionals.”
3. Kate Sheahan, PhD (2018): “Integration of Reproductive Health Services and Immunization Programs in Urban Nigerian Health Clinics: Facility and Provider Factors.”

4. Aleksandra Jakubowski, PhD (2017): “Impact of large-scale Health Interventions on Population Health Economic Functioning and Investments in Human Capital in Sub-Saharan Africa.”
5. Kei Alegria-Flores, PhD (2017): “Complex Systems Analysis—An Innovative Approach to Improve MDR-TB Treatment Adherence.”
6. Samuel Masters, PhD (2017): “The Impact of New Technologies on Health Knowledge, Behavior and Outcomes: Evidence from Kenya, Uganda and the United States.”
7. Tsai-Ling (Ginger) Liu, PhD (2016): “The Impact of Co-Management on Outcomes of Patients with Cirrhosis and Diabetes Dual Diagnoses.”
8. Angela Odiachi, DrPH (2015): “The Impact of Disclosure on Health Outcomes in HIV-Infected Nigerian Children.”
9. Laura Hoemeke, DrPH (2015): “To help, or at least do no harm: The evolving roles of global health NGOs in health systems strengthening.”
10. Mark Woodring, DrPH (2015): “How Willing Are Non-profit Hospitals to Support Community Building Activities Post-PPACA reforms?”
11. Patti Pozella, DrPH (2014): “Strategies For Increasing EGFR Mutation Testing of Patients With Non-Small Cell Lung Cancer.”
12. Lilian Pedrosa Heffernan, DrPH (2013): “Absorptive Capacity of Global Fund Grants: Lessons to the International Community.”
13. Paul Throne, DrPH (2012): “Under-reporting of Surgical Errors: State Perceptions and Responses.”
14. Emily Weaver, PhD (2012), “Contraceptive Practice in Indonesia: Impact of the Village Midwife Program.”
15. Wendy Sarratt, DrPH (2012): “How Can Cancer Trials Efficiency Be Increased? A Case Study of Positive Organizational Development.”
16. Stephanie Poley, PhD (2011): “Geographic and Temporal Variation in Knee Replacement Surgery: Provider or Population Driven?”
17. Joanne Pike, DrPH (2011): “Creating Alignment During Organizational Change: A Case Study of the American Cancer Society’s Cause-Branding Platform Design.”
18. Sarah Birken, PhD (2011): “Where the Rubber Meets the Road: The Role of Middle-Managers in Innovating Innovations in Health Care Organizations.”
19. I-Heng (Emma) Lee, PhD (2010): “Three Essays on HIV/AIDS Related Issues in Southern Africa.”
20. Lynn Reddington, DrPH (2008): “Policy Evaluation of the Impact of the Orphan Drug Act of 1983 and Considerations for Re-enactment.”
21. Pei-Jung (Paige) Lin, PhD (2008): “Predictive Modeling of Health Care Expenditures for Medicare Beneficiaries with Alzheimer’s Disease.”
22. Manabu Akazawa, PhD (2007): “Economic Evaluation of Treating Chronic Obstructive Pulmonary Disease (COPD): The Effects of Early Initiation of Inhaled Corticosteroid (ICS) on Exacerbation Risks, Utilization, and Costs.”
23. Anita Bhat, PhD (2007): “Health Literacy in Arthritis.”

Master's Paper—First Reader/Supervisor

1. Robert Kurzydowski, MPH/JD (2018): “‘Right to Try’ legislation and the current FDA compassionate use program.”
2. Avni Varia, MPH (2018): “Use of activity trackers for reducing hypertension in sub-Saharan urban African Settings.”
3. Ao Liu, MSPH (2018): “A systematic review on the impact of reference pricing on health outcomes, healthcare utilization, drug expenditure and drug use and its potential role in the US Health system.”
4. Kathryn Buckland, MSPH (2018): “Program evaluation and policy implications of a joint Department of Defense–Veterans Affairs physical therapy clinic.”
5. Neerali Patel, MSPH (2017): “Disruptive innovation and the delivery of primary care in the U.S.”
6. Asher Lisec, MSPH (2016): “Factors that influence payer sensitivity to orphan drugs approved in the United States, Australia, and EU Countries.”
7. Avani Desai, MSPH (2016): “Patient engagement and uptake of electronic health records portal at UNC Healthcare.”
8. Sarai Navarez, MSPH (2015): “An analysis of opioid detoxification wait time interventions for substance abuse treatment programs in New York.”
9. Nnaemeka Modebe, MPH (2014): “Setting the stage for the implementation of electronic medical records in a Nigerian teaching hospital: An organizational readiness for change assessment.”
10. Lauren Smeeding, MHA (2013): “Understanding, Measuring, and Improving Physician Engagement in Hospital Systems.”
11. Huyen Nguyen, MSPH (2013): Evaluation of Post-Construction HIV Intervention Projects on the Phnom Penh-Ho Chi Minh City Highway.”
12. Jeroen DeMan, MPH (2012): “Dengue Prevention Policy in Sri Lanka: Reality and Recommendations.”
13. Yutaka Goda, MSPH (2012): “Impact of Japanese Prospective Payment System on Quality of Healthcare Services.”
14. Meredith Kimball, MSPH (2011): “Does Social Health Insurance Improve Access to Care: The Influence of Askeskin Insurance Coverage on Outpatient Utilization Among the Poor in Indonesia.”
15. Giang (James) Tonthat, MSPH (2011): “Evaluation Protocol for the North Carolina ‘Money Follows the Person’ Demonstration.”
16. Elizabeth Ward Futrell, MSPH (2010): “Removing Barriers to Contraceptive Continuance in Sub-Saharan Africa.”
17. Fauzia Tariq, MSPH (2010): “Comparative Analysis of Competitive Voucher Programs Targeting Reproductive Health Services to the Poor in Low-Income Countries.”
18. Nadine Oosmanally, MSPH (2009): “Cost Effectiveness Analysis and Value of Information in Pituitary Cancer Surgery.”
19. Ashwini Sheth, MHA (2009): “Leveraged Buy-Outs: Experience from Healthcare Corporation of America, 1989 and 2006.”
20. Omar Robles, MSPH (2008): “Microfinance and Health: Assessing the Relationship Between Receipt of a Micro-Loan and Contraceptive Use in Indonesia.”

21. Sandra Talbird, MSPH (2006): “Ownership and Use of Mosquito Nets Among Pregnant Women for Prevention of Malaria in Malawi.”

Master’s Paper—Second Reader

1. Alina Clarke, MSPH (2018): “System Dynamic Analysis and Business Model for Primary Care Innovations.”
2. Dennis Xuan, MSPH (2018): “Cost Effectiveness Modeling of HCV Interventions in China.”
3. Katherine Millbank Miller, MSPH (2014): “The Impact of PACE Ownership on Health Outcomes.”
4. Diep Ngyuen, MSPH (2014): “Evaluating Cost-Effectiveness of Doxycycline for Lymphatic Filariasis Elimination.”
5. Thomas Tran, MSPH (2013): “An Impact Evaluation for the Management and Supervision of Public Health Professionals (MSPHP) Training Course.”
6. Ann Somers Wilton, MSPH (2013): “Organizational Effectiveness in Preventive Health Nonprofits.”
7. Andrew Iannutti, MPH (2011): “Breaking the Cycle: The Uncertain Future of Comparative Effectiveness Research.”
8. Carol Bruxvoort, MPH (2011): “Constitutional Issues Associated with the Mandatory HPV Vaccination of Pre-Teen Girls in the United States.”
9. Lauren Knelson, MSPH (2010): “Evaluation of *Sharing Secrets* Program for HIV/AIDS Stigma Reduction Among Youth in Cape Town South Africa.”
10. Ahaji Amos, MPH (2009): “Will Health Care Reform’s Authorization for an Abbreviated Application Process for Generic Biologic Products Effectively Promote the Entry of Generic Biologic Products onto the Market?”
11. James Rosen, MSPH (2007): “Assessing Relationships between University Biotechnology Transfer and Venture Capital Investment at the State Level.”
12. Ly Nguyen, MSPH (2007): “Cost-effectiveness of Integrating Family Planning Services into Prevention of Mother to Child Transmission of HIV Programs in Cambodia: A Modeling Study.”
13. Andrew Tsui, MPH (2007): “Limited English Proficiency (LEP): Immigration, English, and the American Health Care System.”
14. Rebeen Pasha, MSPH (2006): “Community Health Worker Scale-up for the Prevention and Treatment of Malaria in Zambia.”

Undergraduate Honor’s Thesis Adviser

1. Jared Peacock, BSPH (2013): “Effects of Coordinated Care on Patient Adherence to Follow-up Imaging Studies”
2. Robert Jungerwirth, BSPH (2012): “Impact of Hospitalists on Inpatient Mortality and Quality of Care Among Medicare Patients”
3. Victor Leclere, BSPH (2012): “Financing and Impact of Bilateral Aid on Diabetes Care in Peri-urban Dakar, Senegal”
4. Brittany Giles, BSPH (2010): “North Carolina School-Based Health Centers: Methods of Promoting Health Status and Academic Performance of High School Students.”

5. Kirkland Lynch, BSPH (2008): “State Gun Policy Analysis: The Effect on States’ Homicide by Firearm Rates”
6. Shannon Mills, BSPH (2006): “Organizational Change--The Planetree® Initiative Implementation at UNC’s Department of Rehabilitation”

UNC-CH Undergraduate Honors College C-START Course Adviser

1. Marissa Bane, BSPH (2016): “Introduction to Health Care in Sub-Saharan Africa” (Spring 2015, SPCL 400.302)

Undergraduate Ronald E. McNair Scholarship Research Adviser

1. Sebastian Posada, BA (2014): “Conflict Resolution and Health Systems Impact”
2. Terence Johnson, BSPH (2013): “HIV Prevention with Juvenile Detention Inmates”

Selected Contracts & Grants

CFE/Lenovo Instructional Innovation Grant Award for Health Sciences Library Research Hub Lightboard Project, 2018. Originator/Collaborator, \$14,000

Rural Health and Economic Development in North Carolina: Options for the Golden LEAF Foundation, 2009. Co-investigator, \$91,638

Stroke Prevention Patient Outcome Research Team (Stroke PORT), AHCPR, 1988-1993. Subcontract project leader, \$240,000.

Total Knee Replacement Patient Outcome Research Team (TKR PORT), AHCPR, 1986-1991. Subcontract project leader, \$640,000.

Nationwide Evaluation of Medicaid Competition Demonstrations, HCFA, 1983-1988. Principal Investigator, \$6,400,000.

Evaluation of Progress Toward the Healthy People 2000 Objectives, CDC, 1989. Principal Investigator, \$200,000.

Cost of Illness Methodologies for Developing Countries, WASH Project, USAID, 1989. Principal Investigator, \$60,000.

National Inventory of HIV/AIDS Initiatives, CDC, 1988. Principal Investigator, \$60,000.

Cost-Benefit Analysis of Guinea Worm Interventions and Country-Specific Intervention Planning, WASH Project, USAID, 1985-1988. Principal Investigator, multiple related projects, \$200,000.

Service to Department, School, and University:

Department:

Health Policy and Management (HPM) Executive Advisory Committee, 2010 – 2017.

Associate Chair for Academics, Department of Health Policy and Management, 2013–2017.

Committee on Educational Excellence and Innovation (CEEI), Member 2005–2010; Member and Chair, 2010–2017.

HPM MHA Program Reaccreditation Chair, Commission on Accreditation of Healthcare Management Education (CAHME), 2015-2016.

HPM Master’s Advisory Committee / Master’s Admissions Committee, 2005–current.

HPM PhD Advisory Committee / PhD Admissions Committee, 2005–2016. PhD Advisory Committee, Alumni Representative, 2002–2005

HPALS Mentoring Program, Health Policy and Administration, UNC-Chapel Hill. Mentor for MSPH students, 1988–2004.

School:

Academic Programs Committee, UNC Gillings School of Global Public Health, 2016–2017

Task Force for Collaboration in Research, Teaching and Service, RTI International–UNC Gillings School of Global Public Health, June 2012–2016.

SPH 2020 Teaching and Learning Task Force, UNC Gillings School of Global Public Health, February-September, 2011. Chair.

UNC-CH Faculty Council, School of Public Health Fixed-Term Faculty Representative, 2009 – 2012. Re-elected for 2012–2014.

Classroom Renovation and Innovation Advisory Committee, UNC Gillings School of Global Public Health, Feb-Sept, 2010–2017.

Health Sciences Library Advisory Board, SPH Representative, UNC-Chapel Hill, 2006 – 2009.

SPH Alumni Association, UNC-Chapel Hill. Executive Committee 1989-1996. President and Member of the Dean’s Cabinet, 1994-1995.

University:

Health Sciences Library Research Hub Lightboard Advisory Committee, 2018-current.

Advisory Board, Center for Faculty Excellence, UNC-Chapel Hill, 2013 – 2017.

Provost’s Taskforce on Massive Open Online Courses (MOOCs). UNC-Chapel Hill, 2012 – 2014.

Classroom Innovation Subcommittee of the University Classroom Policy Committee, UNC-Chapel Hill, 2010 – 2016.

Provost’s Task Force on Re-Imagining the Carolina Computing Initiative (CCI), UNC-Chapel Hill, 2012 – 2013.

University Teaching Awards Committee, UNC-Chapel Hill, 2011 – 2012

External Service and Faculty Engagement:

Site Visitor for GlaxoSmithKline/Triangle Community Foundation, GSK Healthcare IMPACT Awards, 2009 – current.

Corporate Advisory Board, Longwoods Publishing, 2005-2013.

School of Public Health Representative to North Carolina Department of Health/North Carolina Hospital Association Collaborative Workshops on Community Benefit, 2007 and 2010.

Consultant for Long-Range Planning and Retreat Co-Facilitator, UNC Department of Ophthalmology, January 2010.

Consultant for Long-Range Planning and Retreat Co-Facilitator, UNC Department of Otolaryngology and Head and Neck Surgery (OHNS), August 2008.

Founding Member, Care Management Division, GlaxoWellcome Inc., 1995.

Peer Reviewer for Academic Journals:

Medical Care; Social Science in Medicine; Health Services Research; Quality Review Bulletin; Value in Health; Health Education Research and Evaluation; Expert Reviews of Pharmacoeconomics and Outcomes Research; Journal of Clinical Outcomes Management; Quality and Safety in Healthcare; Essays on Teaching with Technology; World Health & Population; Journal of Health Administration Education; Case Research Journal; Journal of Hospital Medicine

Other External Service and Public Health Practice (selected engagements)

- External Faculty Review Panel, Faculty of Pharmacy, University of Helsinki, 2006.
- Scientific Integrity Committee, RTI International, 2003-2005.
- Study Section Member, Health Systems Research (HSR) Study Section, Agency for Healthcare Quality and Research (AHRQ). Member, 2002-2003.
- Advisory Panel, ISPOR Task Force on Retrospective Data, 2000-2001.
- Committee on Health Economics, Pharmaceutical Manufacturers Association, May 2000-March 2001.
- Editorial Board, Association for University Programs in Health Administration/Health Administration Press (AUPHA/HAP), American College of Healthcare Executives (ACHE), 1998-2000.
- Study Assessment Committee, Medical Review of North Carolina Inc., 1993-1995.
- External Advisory Board, Department of Pharmaceutical Economics, School of Pharmacy, University of Southern California, 1993-1998.
- Institutional Review Board (IRB) Member, Research Triangle Institute, 1989-1993.
- Management Consultant (contract employee), Population, Health and Nutrition Division, World Bank, 1981-82. Population program planning, implementation, and management.
- Intern, Mountain Area Health Education Center (MAHEC), 1979. Management consulting (long-term planning) for rural hospitals in western North Carolina.
- Executive Director, Epilepsy Association of North Carolina, 1977-1978. Non-for-profit program leadership, management, and development.
- Community Services Director, Epilepsy Association of North Carolina, 1976-1977. Health education and medical social work with patients and family/caregivers.
- Environmental Chemistry Consultant, Division of Environmental Management, State of North Carolina, 1972-1975. Wastewater treatment operation and investigation of toxic chemical spills. Licensed Class 2 North Carolina Wastewater Treatment Plant Operator.
- Rural Development Specialist, U.S. Peace Corps, Nepal, 1969-1971. Drinking water systems and environmental sanitation.

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