

Sandra B. Greene, DrPH

Personal

E-mail: SandraB_Greene@unc.edu

office: (919) 966-0993 Sheps

office: (919) 966-8930 HPM

Education

1977 DrPH in Biostatistics, School of Public Health, University of North Carolina
1972 MSPH in Biostatistics, School of Public Health, University of North Carolina
1971 BA in Mathematics, University of North Carolina

Professional Experience

1979 - Present **University of North Carolina at Chapel Hill**
Professor (2009 to present), *Interim Chair* (4/2013 to 9/2015), *Associate Chair* (9/2015 to 12/2015) Department of Health Policy and Management, UNC Gillings School of Global Public Health
Visiting faculty (2010 to 2020), International MPH/M1 and M2, l'Ecole des Hautes Etudes en Santé Publique (EHESP) French national school of public health, Paris and Rennes, France
Co-Director, Program on Health Care Economics and Finance (2007 to present), Cecil G. Sheps Center for Health Services Research
Research Associate Professor (2003 to 2009), Department of Health Policy and Management, UNC Gillings School of Global Public Health
Senior Research Fellow (2002 to present), *Research Associate* (1980 to 2002), Cecil G. Sheps Center for Health Services Research
Research Associate Professor (2005 to present), Department of Social Medicine, School of Medicine
Visiting Research Associate Professor (2002), Department of Health Policy and Administration, School of Public Health
Adjunct Associate Professor (1998 to present), Division of Pharmaceutical Outcomes and Policy, University of North Carolina Eshelman School of Pharmacy
Adjunct Associate Professor (1987 to present), Department of Biostatistics
Adjunct Assistant Professor (1979 to 1987), Department of Biostatistics

1977 - 2001 **Blue Cross Blue Shield of North Carolina, Durham, North Carolina**

Vice President (2000 to 2001), Strategic Information

Vice President (1996 to 2000), Corporate Information and Analysis

Senior Director (1984 to 1996), Health Services Information and Analysis

Director (1977 to 1984), Health Economics Research

1973 - 1977

Department of Community and Family Medicine, Duke University Medical Center, Durham, North Carolina

Principal Investigator (1976 to 1977), "Medical Care Utilization Patterns in a Rural Area," doctoral research grant from the National Center for Health Services Research

Associate (1973 to 1977), Department of Community and Family Medicine, Duke University Medical Center, January 1974 to November 1977: and *Research Associate*, March 1973 to January 1974

BIBLIOGRAPHY

BOOK CHAPTER

1. Greene, SB, Hoffner, JC, Sheps, CG, "A Statewide Program for Increasing the Use of Ambulatory Surgery," in Major Ambulatory Surgery, J.E. Davis, Ed., 1986; pp.455-471.

REFEREED PAPERS/ARTICLES

1. Makau-Barasa L, Greene S, Othienio-Abinya N, Wheeler S, Skinner A, Bennet A "A Review of Kenya's Cancer Policies to Improve Access to Cancer Testing and Treatment in the Country". *Journal of Health Research Policies and Systems* 2020; 18:2.
2. Dube, K, Evans D, Dee L, Sylla L, Taylor J, Skinner A, Weiner BJ, Greene, SB, Rennie, S, Tucker JD. 'We Need to Deploy Them Very Thoughtfully and Carefully'; Perceptions of Analytical Treatment Interruptions in HIV Cure Research in the United States – A Qualitative Inquiry. *AIDS Research and Human Retroviruses* 2018; Jan; 34(1).
3. Dubé K, Sylla L, Dee L, Taylor J, Evans D, Bruton C, Gilberston A, Gralinski L, Brown B, Skinner A, Weiner BJ, Greene SB, Corneli A, Adimora AA, Tucker JD, Rennie S. "Research on HIV Cure: Mapping the Ethics Landscape". *PLoS Medicine*, Dec. 8, 2017.
4. Dube K, Dee L, Evans D, Sylla L, Taylor J, Brown, B, Miller V, Corneli A, Skinner A, Greene S, Tucker JD, Rennie S. "Perceptions of Equipoise, Risk/Benefit Ratios, and 'Otherwise Healthy Volunteers' in the Context of Early-Phase HIV Cure Research in the United States – A Qualitative Inquiry." *Journal of Empirical Research on Human Research Ethics*; Oct. 6, 2017
5. Makau-Barasa LK, Greene S, Abinya Otiena NA, Wheeler S, Skinner A, Bennett AV. Improving Access to Cancer Testing and Treatment in Kenya. *Journal of Global Oncology*; August 4, 2017.

6. Dubé K, Evans D, Sylla L, Taylor J, Weiner B, Skinner A, Thirumurthy H, Tucker J, Rennie S, Greene S. Willingness to Participate in HIV Cure Research: Survey Results from 400 people living with HIV in the United States. *Journal of Virus Eradication* 2017; 3:40-50.
7. Dubé K, Taylor J, Sylla L, Evans D, Dee L, Burton A, Willenberg L, Rennie S, Skinner A, Tucker JD, Weiner BJ, Greene SB. 'Well, It's the Risk of the Unknown... Right?': A Qualitative Study of Perceived Risks and Benefits of HIV Cure Research in the United States. *PLoS One*. 2017 Jan 25;12(1):e0170112.
8. Ogilvie GS, Smith LW, van Niekerk D, Khurshed F, Pedersen HN, Taylor D, Thomson K, Greene SB, Babich SM, Franco EL, Coldman AJ. Correlates of women's intentions to be screened for human papillomavirus for cervical cancer screening with an extended interval. *BMC Public Health* 2016; 16:213
9. Wolkin, A., Patterson, J.R., Harris, S, Soler, E, Burrer, S., McGeehin, M, Greene S. Reducing Public Health Risk During Disasters: Identifying Social Vulnerabilities. *Journal of Homeland Security and Emergency Management*. 2015 DOI 10.1515
10. Dubé K, Ramirez C, Handibode J, Taylor J, Skinner A, Greene S, Tucker JD. Participation in HIV cure-related research: a scoping review of the proxy literature and implications for future research. *Journal of Virus Eradication* 2015; 1:250-256.
11. Reiter, K.L., Lemos K.A., Williams, C.E., Esposito, D., and Greene, S.B. The Business Case for Pediatric Asthma Quality Improvement in Low-Income Populations: Examining a Provider-Based Pay-for-Reporting Intervention. *International Journal for Quality in Health Care*. 2015; 27(3).
12. Smith, L.W., Khurshed F., van Niekerk DJ, Krajden M., Greene, S.B., Hobbs S., Coldman A.J., Franco E.L., and Ogilvie G.S. Women's intentions to self-collect samples for human papillomavirus testing in an organized cancer screening program. *BMC Public Health*. Vol 10;14, October 10 2014.
13. Beadles, C.A., Hassmiller Lich, K., Viera, A.J., Greene, S.B., Brookhart, M.A., Weinberger, M. A non-experimental study of oral anticoagulation therapy initiation before and after national patient safety goals. *British Medical Journal*. Vol. 4;2. Feb 12 2014.
14. Beadles, C.A., Hassmiller Lich, K., Viera, A.J., Greene, S.B., Brookhart, M.A., Weinberger, M. Patient-Centered Medical Homes and Oral Anticoagulation Therapy Initiation. *Medical Care Research Review*. Vol. 71:2, pp.174-91. April 2014. Epub 2013 Nov 19.
15. Desai, R.J., Williams C.E., Greene, S.B., Pierson, S., Hansen, R.A. Anticoagulant medication errors in nursing homes: characteristics, causes, outcomes, and association with patient harm. *Journal of Healthcare Risk Management* 33(1):pp.33-43. 2013
16. Ogilvie, G.S., Smith, L.W., van Niekerk, D.J., Khurshed, F., Krajden, M., Saraiya, M., Goel, V., Rimer, B.K., Greene, S.B., Hobbs S., Coldman. A.J., Franco. E.L. Women's intentions to receive cervical cancer screening with primary human papillomavirus testing. *International Journal of Cancer*. Vol 15;133, No. 12 pp.2934-43. December 2013.
17. Zolotor, A., Kirk, D., and Greene, S. Emergency Department and Hospital Utilization for Treatment of Chronic Pain in North Carolina. *North Carolina Medical Journal*. Vol. 74, No. 3, pp. 254-258, May/June 2013.

18. Desai, R.J., Williams, C.E., Greene, S.B., Pierson, S., Caprio, A.J., Hansen, R.A. Analgesic Medication Errors in North Carolina Nursing Homes. Journal of Pain and Palliative Care Pharmacotherapy, March 4, 2013. [Epub ahead of print]
19. Desai, R.J., Williams, C.E., Greene, S.B., Pierson, S., Caprio, A.J., Hansen, R.A. Exploratory Evaluation of Medication Classes Most Commonly Involved in Nursing Home Errors. Journal of the American Medical Directors Association, December 27, 2012. [Epub ahead of print]
20. Carpenter, D.M., Fisher E.B., and Greene S.B. "Shortcomings in Public and Private Insurance Coverage of Diabetes Self-Management Education and Support." Population Health Management. Feb 2012. [Epub ahead of print]
21. Desai, R., Williams, C.E., Greene S.B., Pierson S. and Hansen R.A. "Medication Errors during Patient Transitions into Nursing Homes: Characteristics and Association with Patient Harm". The American Journal of Geriatric Pharmacotherapy. Vol 9, No. 6, pp 413-422, December 2011.
22. Greene, S.B., Williams C.E., Pierson S., Hansen R.A., and Carey T.S. "Online Medication Error Graphic Reports: A Pilot in North Carolina Nursing Homes." Journal of Patient Safety, Vol 7, No. 4 pp. 92-98, June 2011.
23. Erwin, P.C., Greene, S.B., Mays, G.P., Ricketts, T.C. and Davis, M. "The Association of Changes in Local Health Department Resources with Changes in State-level Health Outcomes. American Journal of Public Health, Vol 101, No. 4, pp. 609-15, April 2011.
24. Stefan, M.S., Blackwell, J.M, Crawford, K.M, Martinez, J, Sung S, Holliday, S.A., Landry, M., Lavine, N., Lerfald, N., Morris, J.L., Greene, S.B., and Cykert, S. "Patient's Attitudes Toward and Factors Predictive of HIV Testing of Academic Medical Clinics." The American Journal of the Medical Sciences, Vol. 340, No. 4, pp. 264-7, October 2010.
25. Hansen, R.A., Cornell P.Y., Ryan P.B., Williams C.E., Pierson S., and Greene S.B. "Patterns in Nursing Home Medication Errors: Disproportionality Analysis as a Novel Method to Identify Quality Improvement Opportunities." Pharmacoepidemiology and Drug Safety, Vol 19, pp. 1087-1094, August 2010.
26. Crespin, D.J, Modi A.V., Wei, D., Williams, C.E., Greene, S.B., Pierson S, and Hansen R.A., "Repeat Medication Errors in Nursing Homes: Contributing Factors and their Association with Patient Harm." American Journal of Geriatric Pharmacotherapy, Vol. 8, No. 3, pp. 258-70, June 2010.
27. Greene, S.B., Williams, CE, Pierson S, Hansen RA, and Carey, TS. "Medication Error Reporting in Nursing Homes: Identifying Targets for Patient Safety Improvement." Quality and Safety in Health Care, Vol 19, No. 3, pp. 218-22, June 2010.
28. Fortune-Greeley, A.K. and Greene, S.B. "CCNC Program Evaluation: Strategies and Challenges" North Carolina Medical Journal, Vol. 70 No. 3, May-June 2009.
29. Greene S.B., Reiter K.L., Kilpatrick K.E., Leatherman S., Somers S.A., and Hamblin A., "Searching for a Business Case for Quality in Medicaid Managed Care", Health Care Management Review, Vol. 33, No. 4, pp. 350-360, October-December, 2008.
30. Greene, S.B. Data and Health Policy: Do We Do Our Best? North Carolina Medical Journal. Vol. 69, No. 2, March-April, 2008.
31. Pierson S., Hansen R., Greene S.B., Williams C., Akers, R., Jonsson M., and Carey, T. Preventing Medication Errors in Long-Term Care: Results and Evaluation of a Large Scale

- Web-Based Error Reporting System. Quality and Safety in Health Care; 16; 297-302, August 2007.
32. Reiter K., Kilpatrick K., Greene S.B., Lohr K, and Leatherman S. Considerations when Developing a Business Case for Quality International Journal of Quality in Health Care. Vol 19, No. 1 50-5, 2007.
 33. Greene, S.B. Healthcare Costs, the Engine Driving the Decline in Insurance. North Carolina Medical Journal. Vol 67, No. 3; pp. 192-199, May-June 2006.
 34. Hansen, R.A., Greene, S.B., Williams, C.E., Blalock, S.J., Crook, K.D., Akers, R., and Carey, T.S. Types of Medication Errors in North Carolina Nursing Homes: A Target for Quality Improvement. The Am J of Ger Pharm. Vol 4, No. 1; pp. 52-61, March 2006.
 35. Greene, S.B., Williams, C.E., Hansen, R., Crook, K.D., Akers, R., and Carey, T.S. Medication Errors in Nursing Homes: A State's Experience Implementing a Reporting System. Journal of Patient Safety. Vol 1, No. 4: pp.181: 189, December 2005.
 36. Dyson, S.L., Greene, S.B. and Fraher, E.P. A Shortage of Health Information Management Professionals: How Would We Know? Journal of Allied Health, Vol. 33, No. 3, pp. 167-173, Fall 2004.
 37. Greene, S.B., "The Rise and Decline of Managed Care: What comes next? North Carolina Medical Journal, 64:1, pp. 21-29, January/February 2003.
 38. Gavin, N.I., D.L. Gunselman, A.J. McBride, and S.B. Greene, "Cesarean Section in North Carolina, the Need for Review," North Carolina Medical Journal, Vol. 51, No. 2, pp. 81-86, February 1990.
 39. Greene, S.B., and DeMaria, W.J. "Hospital Utilization in North Carolina: three years of decline. North Carolina Medical Journal, Vol. 47, No. 2, March 1986.
 40. Greene, S.B., and D.L. Gunselman, "Cost Sharing and its Effects on Hospital Utilization: The Blue Cross and Blue Shield of North Carolina Experience." Medical Care, Vol. 24, No. 8, pp. 711-720, August 1986.
 41. Greene, S.B., and D.L. Gunselman, "Conversion of Insurance Claim Files to Hospital Episode Data Base: A Tool for Management and Research," Inquiry, Vol. 21, pp. 189-194, Summer 1984.
 42. Greene, S.B., and W.J. DeMaria, "Hospital Utilization Patterns in North Carolina: Implications for Cost of Care," North Carolina Medical Journal, Vol. 44, No. 9, pp. 581-584, September 1983.
 43. Connor, M.J., and S.B. Greene, "Should Extended Care Following Hospitalization Be Encouraged?" Inquiry, Vol. 20, pp. 258-263, Fall 1983.
 44. Connor, M.J., D.B. Gillings, and S.B. Greene, "The Ecological Fallacy: Assessing the Effect of Changing Units of Analysis," Proceedings of the Social Statistics Section of the American Statistical Association" 1981.
 45. Greene, S.B., "Frequency of Hospitalization Among Hospital Employees and Their Families," American Journal of Public Health, Vol. 71, No. 9, pp. 1021-1025, September 1981.
 46. Davis, J.E., S.B. Greene, and C.G. Sheps, "Ambulatory Surgery in North Carolina, 1980--The Need for Greater Utilization," North Carolina Medical Journal, Vol. 41, No. 12, pp. 815-817, December 1980.

47. Greene, S.B., and E.J. Salber, "Racial Differences in Medical Care Expenditures," Medical Care, Vol. 17, No., 10, pp. 1029-1036, October 1979.
48. Greene, S.B., D.B. Gillings, and E.J. Salber, "Who Shops for Medical Care - How Much and Why," Inquiry, Vol. 16, pp. 62-72, Spring 1979.
49. Salber, E.J., S.B. Greene, J.P. Gagnon, and B.J. Jones, "Black/White Differentials in Medication Use: A Study of Drug Use in Rural North Carolina," Contemporary Pharmacy Practice, Vol. 2, No.1, pp. 2-10, 1979.
50. Greene, S.B., E.J. Salber, and J.J. Feldman, "Distribution of Illnesses and its Implications in a Rural Community," Medical Care, Vol. 16, No. 10, pp. 863-877, 1978.
51. Greene, S.B., Medical Care Utilization Patterns in a Rural Area, Institute of Statistics, The University of North Carolina at Chapel Hill, 1978
52. Miners, L.A., S.B. Greene, E.J. Salber, and R.M. Scheffler, "The Demand for Medical Care in a Rural Setting: Racial Comparisons," Health Services Research, Vol. 13, No. 3, pp. 261-275, 1978.
53. Gagnon, J.P., E.J. Salber, and S.B. Greene, "Patterns of Prescription and Nonprescription Drug Use in a Southern Rural Area," Public Health Reports, Vol. 93, No. 5, pp.433-437, September - October 1978.
54. Greene, S.B., Medical Care Utilization Patterns in a Rural Area, Institute of Statistics, The University of North Carolina at Chapel Hill, 1978.
55. Salber, E.J., L. Brogan, S.B. Greene, and J.J. Feldman, "Utilization of Services for Preventable Disease: A Case Study of Dental Care," International Journal of Epidemiology, Vol. 7, No. 2, pp. 163-173, 1978.
56. Thacker, S.B., S.B. Greene, and E. J. Salber, "Hospitalizations in a Southern Rural Community, An Application of the 'Ecology Model'," International Journal of Epidemiology, Vol. 6, No. 1, pp. 55-63, 1977.
57. Greene, S.B., and E.J. Salber, "Pro Bono Publico - A Century Later," American Journal of Public Health, Vol. 67, pp. 735-739, 1977.
58. Greene, S.B., M.J. Aavedal, H.A. Tyroler, C.E. Davis, and C.G. Hames, "Smoking Habits and Blood Pressure Change: A Seven Year Follow Up," Journal of Chronic Diseases, Vol. 30, pp. 401-413, 1977.
59. Salber, E.J., S.B. Greene, J.J. Feldman, and G. Hunter, "Access to Health Care in a Southern Rural Community," Medical Care, Vol. 14, pp. 971-986, 1976.

REFEREED UNPUBLISHED ORAL PRESENTATIONS AND/OR ABSTRACTS

1. Williams, C.E., Greene, S.B., Pierson, S., Hansen R.A., Carey, T. "Online Medication Error Graphic Reports: A Pilot in North Carolina Nursing Homes." National Patient Safety Congress, May 17-19, 2010. Poster presentation
2. Hansen RA, Cornell PY, Ryan PB, Williams CE, Pierson S, Greene SB. Exploring patterns in nursing home medication errors: identification of quality improvement opportunities. Podium

presentation at the American Pharmacist Association Annual Meeting, Washington, DC , March 12-15, 2010.

3. Erwin, P.C., Mays, G., Ricketts, T.C., Greene, S.B. "Impact of Federal and State Preparedness Budget Cuts on Infectious Diseases Morbidity." American Public Health Association, Philadelphia, Pennsylvania. November, 9, 2009. Podium presentation.
4. Greene, S.B. "Diabetes Care Quality Improvements: Searching for a Business Case." 69th Scientific Sessions, American Diabetes Association, New Orleans, LA. June 5, 2009. Presentation.
5. Greene, S.B. Web-based medication error reporting in nursing homes: Opportunities to improve patient safety. National Patient Safety Conference. Nashville, Tennessee, May 14-16, 2008.
6. Greene, S.B., Williams, C.E., Hansen, R.H, Crook, K.D, Akers, R. and Carey, T.S. Medication Errors in Nursing Homes: A State's Experience Implementing a Reporting System. Academy Health Annual Research Meeting. June 2005.
7. Greene, S.B., Williams, C.E., and Hansen, R.A. Statewide Nursing Home Online Medication Error Reporting System: North Carolina's Experience. North Carolina Healthcare Information and Communications Alliance (NCICHA) Annual Conference. September 2006

OTHER NON-REFEREED PUBLICATIONS

1. Andrews K., Esposito D, Tayer E., Kranker K., Rao, Lei, Greene, S., Reiter K., Williams C., and Pierson S. Evaluation of the Business Case for Quality, Phase II: Draft Report, Mathematica Policy Research and The University of North Carolina at Chapel Hill. April 2012.
2. Andrews K., Esposito D, Tayer E., Kranker K., Rao, Lei, Greene, S., Reiter K., Williams C., and Pierson S. Evaluation of the Business Case for Quality, Phase II: Draft Report, Mathematica Policy Research and The University of North Carolina at Chapel Hill. April 2012.
3. Williams C.E., Greene S.B., Hansen R.A., Pierson S., Akers R., Caprio A. and Desai R. NC Nursing Home Medication Error Quality Initiative (MEQI) Annual Report FY 2011, October 1, 2010 to September 30, 2011. The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. May 2012.
4. Williams C.E., Greene S.B., Hansen R.A., Pierson S., Akers R., Caprio A. and Desai R. NC Nursing Home Medication Error Quality Initiative (MEQI) Annual Report FY 2010, October 1, 2009 to September 30, 2010. The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. April 2011.
5. Williams C.E., Greene, S.B., Hansen, R.A., Pierson, S.P., Akers, R., and Carey, T.S., "Nursing Home Medication Error Quality Initiative (MEQI) Year 6: October 1, 2008 to September 30, 2009," The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. April 2010.
6. Williams C.E., Greene S.B., Hansen R.A., Pierson S.P., Akers R., and Carey T.S. Nursing Home Medication Error Quality Initiative (MEQI) Year 5: October 1, 2007 to September 30, 2008. The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. April 2009.
7. Williams C.E., Greene S.B., Hansen R.A., Pierson S., Akers R., and Carey T.S. Nursing Home Medication Error Quality Initiative (MEQI) Year 4: October 1, 2006 to September 30, 2007.

The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. April 2008.

8. Williams CE, Greene SB, Hansen RA, Pierson S., Akers R, and Carey TS. Nursing Home Medication Error Quality Initiative (MEQI) Year 3: October 1, 2005 to September 30, 2006. The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. April 2007.
9. Greene SB, Williams CE, Hansen RA, Crook KD, Akers R, Butler MG and Carey TS. Nursing Home Medication Error Quality Initiative (MEQI) Year 2: October 1, 2004 to September 30, 2005. The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. March 2006.
10. Slifkin RT, Groves J, Moore C, Greene SB, Holmes, GM and Carey T. Evaluation of the Effectiveness of the Diabetes Health Improvement Program (D-HIP) and the Diabetes and Coronary Artery Disease with Telephonic Outreach Health Improvement Program (CAD-HIP). Cecil G. Sheps Center for Health Services Research. January 20, 2006.
11. Greene SB, Williams CE, Hansen RA, Crook KD, Akers R, Butler MG and Carey TS. Nursing Home Medication Error Quality Initiative (MEQI) January 1, 2004 to September 30, 2004. The Cecil G. Sheps Center for Health Services Research at University of North Carolina at Chapel Hill. February 2005.
12. Ricketts T, Greene SB, Silberman P. Evaluation of Community Care of North Carolina Asthma and Diabetes Management Initiatives: January 2000-December 2002. Cecil G. Sheps Center for Health Services Research. April 15, 2004.
13. Greene, S.B., Holmes G.M., Slifkin R., Freeman V., and Howard H.A., Cesarean Section Patterns in Rural Hospitals, North Carolina Rural Health Research Program Working Paper # 80, Office of Rural Health Policy. 2004.

Teaching Record

COURSES FOR PAST FOUR YEARS

1. **HPM 945 Dissertation Planning and Preparation**; Summer 2019; 14 students in DrPH leadership program – cohort 14.
2. **HPM 956 Fundamentals of Research Methods and Analysis**; Fall 2019; 14 students in DrPH leadership program – cohort 14.
3. **HPM 953 Essentials of Practice Based Research**; Spring 2020; 13 students in DrPH Leadership program – cohort 15.
4. **HPM 967 Quality Improvement**; Spring 2020; 14 students in DrPH Leadership program - cohort 14.
5. **HPM 945 Dissertation Planning and Preparation**; Summer 2018; 12 students in DrPH leadership program – cohort 13
6. **H HPM 956 Fundamentals of Research Methods and Analysis**; Fall 2018; 12 students in DrPH leadership program – cohort 13.
7. **HPM 953 Essentials of Practice Based Research**; Spring 2019; 14 students in DrPH Leadership program – cohort 14.
8. **HPM 967 Quality Improvement**; Spring 2019; 12 students in DrPH Leadership program - cohort 13.

9. **HPM 945 Dissertation Planning and Preparation;** Summer 2018; 14 students in DrPH Leadership program – cohort 12.
10. **HPM 956 Fundamentals of Research Methods and Analysis;** Fall 2018; 14 students in DrPH leadership program – cohort 12.
11. **HPM 953 Essentials of Practice Based Research;** Spring 2019; 12 students in DrPH Leadership program – cohort 13.
12. **HPM 967 Quality Improvement;** Spring 2019; 14 students in DrPH Leadership program – cohort 12.
13. **HPM 945 Dissertation Planning and Preparation;** Summer 2016; 11 students in DrPH Leadership program – cohort 11.
14. **HPM 956 Fundamentals of Research Methods and Analysis;** Fall 2017; 11 students in DrPH leadership program – cohort 11.
15. **HPM 953 Essentials of Practice Based Research;** Spring 2017; 14 students in DrPH Leadership program – cohort 12.
16. **HPM 967 Quality Improvement;** Spring 2017; 11 students in DrPH Leadership program – cohort 11.

GRADUATE STUDENTS

1. **Doug Melton; PhD Student.** “Employees’ Choice of Health Benefits and Its Effect on Utilization and Third-Party Payments.” Successfully defended dissertation 3/2012. Served as committee chair.
2. **Joe Ichter; DrPH student (cohort 1)** “Patient Access to Care in Health Reform: Opinions of Primary Care Practitioners on St. Maarten, NA, Identifying Barriers and Developing Solutions.” Successfully defended dissertation 5/10/ 2010. Served as committee member.
3. **Reginald Silver; DrPH student (cohort 2).** “Diversity in Executive Healthcare Leadership: Perspectives and Implications of Access to Healthcare by People of Color.” Successfully defended dissertation 1/12/2013. Served as committee member.
4. **Paul Erwin; DrPH student (cohort 2).** “How changes at the local health department level are associated with improvements in health outcomes at the state level.” Successfully defended dissertation 3/23/2009. Served as committee chair.
5. **Susan Helm-Murtagh; DrPH student (cohort 2).** Addressing health disparities: Is there a role for private payers in reducing the incidence of type 2 diabetes among US Hispanics?” Successfully defended dissertation 3/30/2009. Served as committee chair.
6. **Chastity Walker; DrPH student (cohort 2)** “Attitudes, Practices and Beliefs about human papillomavirus vaccine among young adult Africa –American women: Implications for effective implementation.” Successfully defended dissertation 6/3/2009. Served as committee member.
7. **Nneka Emenyonu; DrPH student (cohort 3)** “Barriers to HIV Care in Rural Uganda.” Successfully defended dissertation 8/7/2012. Served as committee chair.
8. **Jill Center; DrPH student (cohort 3)** “Applying the public health code of ethics to the federal workforce.” Successfully defended dissertation 11/9/2010. Served as committee member.
9. **Rachael Wong; DrPH student (cohort 3)** “The examination of end-of-life concerns and attitudes in the United States transplant community: A survey of organ transplant candidates,

transplant recipients, donor families, living donors and clinical professionals.” Successfully defended dissertation 3/31/2011. Served as committee member.

10. **Wendy Sarratt; DrPH student (cohort 3)** “How can appreciative inquiry be used to improve cancer clinical trials efficiency? The UNC Lineberger Case Study.” Successfully defended dissertation 3/15/2012. Served as committee member.
11. **Jeanne Alongi; DrPH student (cohort 3)** “A case study examination of structure and function in a state health department chronic disease unit.” Successfully defended dissertation 4/2/2013. Served as committee member.
12. **Dianne Dunning; DrPH student (cohort 3)** “Preparedness and Disaster Response Training for Veterinary Students: A model for Academic Change Involving Partnership, Collaboration and Innovation.” Successfully defended dissertation 6/10/2011. Served as committee member.
13. **Stephanie Poley; PhD student.** “Geographic and Temporal Variation in Knee Replacement Surgery: Provider or Population Driven?” Successfully defended dissertation 6/17/2011. Served as committee member.
14. **Ken Coburn; DrPH student (cohort 4)** “Search for a Practical Strategy to Disseminate Complex Service Models that Improve the Health of Chronically Ill Older Adults.” Successfully defended dissertation 7/11/2016. Served as committee chair.
15. **Tia Simmons; DrPH student (cohort 4)** “Exploring the use of mHealth technology for diabetes self-management among low-tech adults in later life.” Successfully defended dissertation 4/14/2014. Served as committee chair.
16. **Jennifer Platt; DrPH student (cohort 4)** “Institutional arrangements for sanitation: What can and should the health sector do?” Successfully defended dissertation 7/31/2012. Served as committee chair.
17. **Kris Shields; DrPH student (cohort 4)** “The participation of pregnant women in clinical research: Implications for practice within the US pharmaceutical industry.” Successfully defended dissertation 6/11/2012. Served as committee member.
18. **Sarthak Das; DrPH student (cohort 5)** “The art of adherence: Evaluating the efficacy of HIV care and treatment in the highlands of Papua New Guinea.” Dissertation successfully defended 11/5/2012. Served as committee chair.
19. **Gina Ogilvie; DrPH student (cohort 5)** “Intention of women to receive cervical cancer screening in the era of Human Papillomavirus testing.” Successfully defended dissertation 11/6/2012. Served as committee member.
20. **Lisa Oxendine; DrPH student (cohort 5)** “Critical factors related to communication of nutrition information targeting Lumbee women in Robeson County, North Carolina.” Successfully defended dissertation 12/11/2012. Served as committee member.
21. **Katie Kaney; DrPH Student (cohort 6)** “How can the use of virtual physician care be accelerated?” Successfully defended dissertation 7/6/2014. Served as committee chair.
22. **Lisa Koonin; DrPH student (cohort 6)** “Acceptability of pharmacies serving as primary dispensers of antiviral drugs during an influenza pandemic: perspective of pharmacy executives.” Successfully defended dissertation 3/5/2013. Served as committee chair.
23. **Paul Throne; DrPH student (cohort 6)** “Under-Reporting of Surgical Errors: State Perceptions and Responses.” Successfully defended dissertation 3/11/2013. Served as committee chair.

24. **Karen Ho; DrPH students (cohort 6)** “Healthcare services utilization among native Hawaiians and Pacific Islanders: “The effect of health beliefs and enabling resources.” Successfully defended dissertation 4/29/2016. Served as committee member.
25. **Chris Beadles; PhD student.** “Impact of policy and practice changes on oral anticoagulation use and effectiveness.” Successfully defended dissertation 4/1/2013. Served as committee member.
26. **Jennifer King; PhD student.** “Variation in the Adoption and Effectiveness of Medical Homes.” Dissertation successfully defended 5/26/2011. Served as committee member.
27. **Stephanie Watson-Grant; DrPH student (cohort 7)** “Measuring Country ownership and its relationship to health outcomes: The case of Liberia.” Successfully defended dissertation 12/17/2013. Served as committee chair.
28. **Amy Wolkin; DrPh student (cohort 7)** “Reducing public health risk during disasters: Identifying social vulnerabilities.” Successfully defended dissertation proposal 2/26/2013. Served as committee chair.
29. **Phillip Downs; DrPH student (cohort 7)** Opportunities and barriers in the control and prevention of Lyme disease: Implications for practice”. Successfully defended dissertation proposal 10/27/2014. Served as committee member.
30. **Gift Kamanga; DrPH student (cohort 7)** “How best can HIV policy be moved to successful implementation? Lessons from routine HIV testing of patients with sexually transmitted infections in Malawi”. Successfully defended dissertation 10/13/2014. Served as committee member.
31. **Jen Ludovic; DrPH student (cohort 7)** “The patient and affordability act: The evolving role of state sexually transmitted disease programs.” Dissertation successfully defended 3/18/2014. Served as committee chair.
32. **Mark Woodring; DrPH student (cohort 7)** “Community building activities of Taos health system and Presbyterian Espanola hospital”. Successfully defended dissertation 12/5/2014. Served as committee chair.
33. **Gretchen Cowman; DrPH student (cohort 8)** “Cholera prevention and control in Kenya” Successfully defended dissertation 3/30/2015. Served as committee member.
34. **Lisa Holbrook; DrPH student (cohort 8)** “Searching for health reform: How can non-profit hospitals use their ambulatory practices to satisfy their IRS Community Benefit obligation and improve population health”. Successfully defended dissertation 3/19/2015. Served as committee member.
35. **Karine Dube; DrPH student (cohort 9)** “Assessing factors affecting participation in HIV cure research: Implications for effective and ethical implementation.” Successfully defended dissertation 4/5/2016. Served as committee chair.
36. **Heather Altman; DrPH student (cohort 9)** “Assessing the livability of cities and towns in central North Carolina for older adults.” Successfully defended dissertation 3/23/2016. Served as committee chair.
37. **Anna Deryabina; DrPH student (cohort 9)** “Assessment of needle syringe program for people who inject drugs in Kyrgyzstan”. Successfully defended dissertation 6/29/2016. Served as committee chair.

38. **Claire Neal; DrPH student (cohort 9).** “Treatment costs of pediatric cancer in Rwanda”. Successfully defended dissertation 4/5/2016. Served as committee chair.
39. **Louise Makau-Barasa; DrPH student (cohort 9)** “Improving access to cancer testing and treatment in Kenya” Successfully defended dissertation 4/8/2016. Served as committee chair.
40. **Liz Goodman; DrPH student (cohort 9).** “The potential implications of the Medicare Stars methodology for plans serving low socio-demographic status communities”. Successfully defended dissertation 2/17/2017. Served as committee member.
41. **Jill Powelson; DrPH student (cohort 9).** “First year financial results and utilization rates under a new Medicare Advantage value bases reimbursement partnership at an integrated healthcare system.” Successfully defended dissertation 6/5/2018. Served as committee member.
42. **Greg Page; DrPH student (cohort 10).** “The barriers and facilitators of completing an advance directive: the perspective of healthcare professionals.” Successfully defended dissertation 11/29/2018. Served as committee chair.
43. **Muswamba Mwamba; DrPH student (cohort 10).** “What role do fathers’ cultural experiences play in the decision to support breast feeding?” Successfully defended dissertation 12/17/2018. Served as committee chair.
44. **Julie Osgood; DrPH student (cohort 10).** “Workplace environmental and policy practices that support healthy behavior among employees with prediabetes: Implications for employers”. Successfully defended dissertation 1/24/2017. Served as committee chair.
45. **Hanna Tesfayone; DrPH student (cohort 10).** Dissertation topic under development. Serve as committee member.
46. **Brian Castrucci; DrPH student (cohort 10).** “Generational differences among the public health workforce in state governmental public health agencies: A focus on recruitment and retention”. Successfully defended dissertation 10/16/2018. Served as committee member.
47. **David Nimke; DrPH student (cohort 10).** “Do as I say; not as I do: A cohort study of commercially insured families and the relationship between parental and child adherence and persistence with chronic medication.” Successfully defended dissertation 11/15/2018. Served as committee member.
48. **Janell Wright; DrPH student (cohort 11).** “Impact of project ECHO Intervention in Kazakhstan”. Successfully defended dissertation 3/28/2018. Served as committee chair.
49. **Zara Ahmed; DrPH student (cohort 11).** “CDC engagement with the Global Fund. Current approaches and opportunities for enhanced collaboration”. Successfully defended dissertation 3/29/2018. Served as committee chair.
50. **Lindsey Angelats; DrPH student (cohort 11).** “Activating a workforce for quality in Medicaid Managed Care: facilitators and barriers to pediatric paraprofessionals.” Successfully defended dissertation proposal 2/28/2019. Serve as committee chair.
51. **Dana Wollins; DrPH student (cohort 11).** “Reducing patient financial toxicity in cancer care through doctor-patient cost discussions.” Successfully defended dissertation 3/5/2019. Served as committee member.
52. **Jeff DeCelles; DrPH student (cohort 11).** “Scaling an evidence-based voluntary medical male circumcision demand creation intervention for adolescents in sub-Saharan Africa.” Successfully defended dissertation 7/9/2018. Served as committee member.

53. **Lisa Shock: DrPH student (cohort 12).** “Contracting between accountable care organizations and skilled nursing facilities: what are the critical elements?”. Successfully defended dissertation 5/30/2019. Served as committee chair.
54. **Courtney Lundquist: DrPH student (cohort 12).** “What can be learned from Botswana’s 90-90-90 achievement and how can we adopt and apply those lessons?”. Successfully defended dissertation 10/21/2019. Served as committee chair.
55. **Sara Roszak: DrPH student (cohort 12).** “Factors that influence pharmacy adoption of type-2 diabetes prevention strategies”. Successfully defended dissertation 2/12/2019. Served as committee member.
56. **Ugbede Abu: DrPH student (cohort 12).** “Availability of essential medicines in Malawi’s public health facilities: enablers and barriers.” Successfully defended dissertation 3/2/2020. Served as committee member.
57. **Megan McGuire: DrPH student (cohort 12).** “Patient data protection and privacy policies and responsible data approaches in humanitarian health organizations in the digital era.” Successfully defended dissertation proposal 1/10/2020. Serve as committee member.
58. **Jeremy Fisher: DrPH student (cohort 12).** “ What are effective ways to decrease physician shortage within the United States Coast Guard.” Serve as co-chair with Alyssa Damon.
59. **Alyson Rose-Wood: DrPH student (cohort 13).** “How can HIV care transition be improved when US immigration and customs enforcement repatriates detained aliens to Mexico?”. Successfully defended dissertation 3/30/2020. Served as committee chair.
60. **Beth Daly: DrPH student (cohort 13).** “Exploring the role and readiness of state health department epidemiologists to work in emerging areas of public health practice in the United States.” Successfully defended dissertation 3/31/2020. Served as committee member.
61. **Claude Jacob: DrPH student (cohort 13).** “National public health accreditation readiness: Characteristics of local health departments in Massachusetts”. Successfully defended dissertation proposal 6/3/2019. Serve as committee chair.
62. **Juliana Soares Linn: DrPH student (cohort 13).** “Breaking the cycle of invisibility: barriers and facilitators to access to HIV prevention, care and treatment services for people living with disabilities in the United States.” Serve as committee chair.
63. **Olawale Durosinimi-Ette: DrPH student (cohort 13).** “Funding for HIV treatment services in Nigeria: How can sustainability be improved?” Successfully defended dissertation proposal 7/16/2019. Serve as committee member.
64. **Joe Barker: DrPH student (cohort 14).** “Effective public health strategies to increase HIV testing services uptake among men in Kenya”. Successfully defended dissertation proposal 5/18/2020. Serve as committee chair.
65. **Barbara Alvarez: DrPH student (cohort 14).** “Improving public health communication in a politically polarized environment: Exploring the use of moral values in message framing.” Successfully defended dissertation proposal 3/19/2020. Serve as committee chair.
66. **Kalina Duncan: DrPH student (cohort 14).** “Facilitators enabling sustainable cervical cancer control programs in LMICs: Strengthening health systems in Zambia.” Successfully defended dissertation proposal 3/24/2020. Serve as committee member.

67. **Lindsey Yates: PhD student.** “Black-white differences in immediate postpartum long-acting reversible contraception.” Successfully defended dissertation proposal 11/6/2018. Serve as committee member.
68. **Josie Caves: PhD student.** “The association between mental health/substance abuse disorders and suicide in the North Carolina Medicaid population.” Successfully defended dissertation proposal 12/10/2019. Serve as committee member.
69. **Kristie Mikus: DrPH student (cohort 14).** “Ending AIDs in children: Facilitators and barriers of effective HIV case-finding strategies of children ages 6 wks-14 years in Zambia.” Successfully defended dissertation proposal 4/2/2020. Serve as committee chair.
70. **Jessica Grignon: DrPH student (cohort 14).** “Facilitators and barriers to HIV screening policy implementation in South Africa”. Dissertation proposal under development. Serve as committee chair.
71. **Marc Caruana: DrPH student (cohort 14).** Dissertation proposal under development. Serve as committee member.
72. **John Strapp: DrPH student (cohort 15).** Dissertation proposal under development. Serve as committee chair.
73. **Dan Crespin; HPM masters student.** GRA funded under MEQI project. 2010-2011
74. **Portia Cornell; HPM masters student.** GRA funded under MEQI project. 2010-2011
75. **Simon Neuwald; HPM masters student.** 2011-2012
76. **Sarah Allen; HPM masters student.** 2012-2013
77. **Arijit Paul; HPM masters student.** 2012-2013
78. **Nervine Hamza; EHESP masters student.** 2012-2013
79. **Candace Gaillard; HPM masters student.** 2014-2016
80. **Astraea Abrol; HPM masters student.** 2014-2016
81. **Meagan Cannady; HPM masters student.** 2016-2017
82. **Alex Zizzi; HPM masters student.** 2016-2017
83. **Christina Smith; HPM masters student.** 2016-2018
84. **Hussein Kassam; HPM masters student.** 2017-2019
85. **Joseph Reilly; HPM masters student.** 2017-2020

Contracts and Grants

1. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2019-6/30/2020; **Total \$57,584**
2. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2018-6/30/2019; **Total \$57,584**
3. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2017-6/30/2018; **Total \$52,349**

4. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2016-6/30/2017; **Total \$ 49,437**
5. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2015-6/30/2016; **Total \$49,951**
6. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2014-6/30/2015; **Total \$49,691**
7. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/2013-6/30/2014; **Total \$49,697**
8. **Health Benefit Exchange Focus Groups –** Principal Investigator, North Carolina Department of Insurance, through the North Carolina Institute of Medicine, 10/1/2011-6/30/2012; **Total \$166,505**
9. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/ 2012- 6/30/2013; **Total \$49,988**
10. **Business Case for Quality – II.** Principal Investigator, Center for Health Care Strategies, 1/1/2008-4/30/2012; **Total \$ 438,199**
11. **Nursing Home Medication Error Project.** Principal Investigator, North Carolina Division of Facility Services Regulation, 2/1/2010-12/31/2012; **Total \$ 791,321**
12. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/ 2011- 6/30/2012; **Total \$49,405**
13. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 7/1/ 2010- 6/30/2011; **Total \$49,405**
14. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services Regulation, 12/1/ 2009- 6/30/2010; **Total \$49,405**
15. **Carolina Cost and Quality Initiative.** Co-Principal Investigator, Funded by a grant from the University of North Carolina, School of Medicine Trust Fund, 7/1/2005-6/30/2008; **Total \$200,000**
16. **Better Payment Policies for Quality of Care: Fostering the Business Case for Quality, Phase II – Medicaid Demonstrations.** Principal Investigator (2005 to present), Co-Principal Investigator (2004-2005), Commonwealth Foundation, 4/1/2004 – 9/30/2007; **Total \$ 469,384**
17. **Business Case for Quality in Medicaid MCO/PCCMS.** Principal Investigator (2006), Co-Principal Investigator (2005), Center for Health Care Strategies, 3/1/05 to 12/31/07; **Total \$99,880**
18. **Nursing Home Medication Error Project.** Principal Investigator, North Carolina Division of Facilities Services. 2/1/2004 – 1/31/ 2007; **Total \$ \$482,770**
19. **Hospital Discharge Data Analysis.** Principal Investigator, North Carolina Division of Facility Services, 7/1/2003- 6/30/2006; **Total \$58,542**
20. **Evaluation of Nurse Practitioner Initiative at Axis Health Care.** Principal Investigator, Center for Health Care Strategies and Axis Healthcare, Minneapolis, Minnesota, 9/1/2006 – 2/29/2008; **Total \$ 33,659**
21. **Covering the Uninsured.** Principal Investigator for Sheps Center subcontract, State Planning Grant funded by HRSA, 9/1/2004 – 8/30/2006; **Total \$579,068**
22. **Medical Care Utilization Patterns in a Rural Area.** Principal Investigator, Doctoral research grant from the National Center for Health Services Research, 1976-1977; **Total \$44,000.**

23. **Rural southern communities.** Director of Research, Robert Wood Johnson Foundation and by grant HS 01971 National Center for Health Services Research, HRA, Department of Health, Education and Welfare. 1973-1977.

Service

TO THE UNIVERSITY:

2017 - present	Member, Gillings Campaign Cabinet
2017 - present	Member, Greenberg Award and Barr Award committees, Gillings School of Global Public Health
2010 – 2013	Member, Patient Safety Organization Advisory Council, North Carolina Center for Hospital Quality and Patient Safety, Cary, North Carolina
2010 - 2012	Member, University Research Council
2007 - Present	Member, Political Science and Public Policy Minor Committee
2006 - 2009	Member, School of Public Health Faculty Mentoring Program, University of North Carolina at Chapel Hill, North Carolina
2006 - 2011	Member, Women’s Health Research Advisory Board, Center for Women’s Health Research, University of North Carolina at Chapel Hill, North Carolina
2005 - Present	Member, DrPH Admissions Committee, Health Policy and Management, School of Public Health, University of North Carolina at Chapel Hill, North Carolina
2003 - Present	Member, DrPH Advisory Committee, Health Policy and Management, School of Public Health, University of North Carolina at Chapel Hill, North Carolina
2004 - 2006	Chair, Women’s Health Research Advisory Board, Center for Women’s Health Research, University of North Carolina at Chapel Hill, North Carolina
2006 - 2007	Member, North Carolina Institute of Public Health Assessment Team, School of Public Health, University of North Carolina at Chapel Hill, North Carolina
1984 - 2002	Member, Policy Advisory Board of the Sheps Center for Health Services Research University of North Carolina at Chapel Hill
1994 - 2000	Member, Advisory Board of the Center for Pharmaceutical Outcomes Research (CePOR), School of Pharmacy, University of North Carolina at Chapel Hill

TO DISCIPLINE:

2016- 2017	Co-chair, Operating Room Methodology Workgroup, North Carolina State Health Coordinating Council, Raleigh, North Carolina
2009 - Present	Chair, Acute Care Services Committee, North Carolina State Health Coordinating Council, Raleigh, North Carolina (one- year break in appointment – 2013)
2008 - 2010	Chair, Acute Care Bed Need Workgroup, North Carolina State Health Coordinating Council, Raleigh, North Carolina

2008 - 2009 Chair, Single Specialty Ambulatory Surgery Workgroup, North Carolina State Health Coordinating Council, Raleigh, North Carolina

2007- 2012 Board Member (2007-2012), Treasurer (2007-2009), Vice-Chair (2009-2010), Chair (2010-2012) North Carolina Foundation for Advanced Health Programs, Raleigh, North Carolina

2003 - 2009 Vice-Chair, Acute Care Services Committee, North Carolina State Health Coordinating Council, Raleigh, North Carolina

1996 - Present Member and Vice-Chair (2020), North Carolina State Health Coordinating Council, Raleigh, North Carolina (one-year break in appointment – 2013)

1986 - Present Member, 1986-2007, Member Emeritus, 2007-present, North Carolina Institute of Medicine, Durham, North Carolina

2000 - 2005 Member, Vice-Chair (2003) and Chair (2004-2005) Board of Directors for the North Carolina Center for Public Policy Research, Raleigh, North Carolina

1994 Executive Loan (part-time), North Carolina Health Planning Commission, Legislative Commission on Health Care Reform, Raleigh, North Carolina

1992 - 1996 Member, North Carolina Center for Nursing Advisory Council, Raleigh, North Carolina

1992 - 1995 Vice Chair, Governor's Council on Health Policy Information, State of North Carolina

1985 – 1995 Member, Vice Chair (1985-1988, 1993), and Chair (1988-1990, 1995), North Carolina Legislative Medical Database Commission, Raleigh, North Carolina

1984 - 1985 Chair, ad hoc Committee on Hospital Data, North Carolina Legislative Commission on Medical Cost Containment, Raleigh, North Carolina

1984 - 1985 Member, National Advisory Committee for State Data Commissions, Washington Business Group on Health, Washington, District of Columbia

1984 - 1985 Member, Policy Advisory Committee for the Study of Health Care for Uninsured Poor, Duke University, Durham, North Carolina

1983 - 1985 Member, Legislative Commission on Medical Cost Containment, Raleigh, North Carolina

1982 - 1985 Member, Advisory Committee to the State Center for Health Statistics, Raleigh, North Carolina

9/10/2020