

Stephanie Brooke Wheeler, PhD MPH

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PERSONAL:***Research Interests***

Use of mathematical modeling and systems thinking to address complex health services and policy questions; cost-effectiveness and comparative effectiveness; 'big data' linkages and analytics; cancer care quality and outcomes research; health disparities; social epidemiology; medical decision making; sexual/reproductive health

Teaching Interests

Decision analytic modeling; cost-effectiveness and comparative effectiveness research; operations research; advanced data analytics; research design; foundations of health services research; cancer disparities

EDUCATION:

Doctor of Philosophy, **University of North Carolina at Chapel Hill**, Gillings School of Global Public Health, Health Policy and Management. Dissertation title: "A closer look: Health services structure and organization, health disparities, and receipt of high quality breast cancer treatment". Concentration/Minor in Decision Sciences Modeling (May 2010)

Masters of Public Health (*Honors Distinction*), **University of Cape Town (South Africa)**, School of Public Health and Family Medicine. Thesis title: "Attitudes and intentions of future health care providers regarding termination of pregnancy (TOP) services in South Africa" (June 2007)

Bachelors of Science in Biology (*Magna Cum Laude with Departmental Honors*), **College of Charleston (South Carolina), Honors College**, School of Science and Math. Bachelors Essay title: "Inducible Nitric Oxide Synthase (iNOS) Presentation in Systemic Lupus Patients". Cumulative GPA: 3.9/4.0 (May 2003)

Bachelors of Arts in Theatre (*Magna Cum Laude with Departmental Honors*), **College of Charleston (South Carolina), Honors College**, School of the Arts. Cumulative GPA: 3.9/4.0 (May 2003)

High School Honors Diploma, **South Carolina Residential Governor's School of Science and Mathematics**. Cumulative GPA: 3.92/4.0 (May 1999)

PROFESSIONAL EXPERIENCE:***Academic/Research/Leadership***

May 2016-current, Associate Professor with Tenure, Health Policy and Management, **University of North Carolina at Chapel Hill**.

September 2016-current, Program Co-Lead/Multiple Principal Investigator of the R25T Cancer Care Quality Training Program (CCQTP), Health Policy and Management, **University of North Carolina at Chapel Hill**. This National Cancer Institute (NCI)-funded fellowship supports and trains cancer outcomes researchers in pre- and post-doctoral positions.

May 2016-current. Program Lead/Principal Investigator of the Cancer Prevention and Control Research Network (CPCRN) Coordinating Center, Lineberger Comprehensive Cancer Center, **University of North Carolina at Chapel Hill**. This Centers for Disease Control and Prevention (CDC)- and NCI-funded research network supports cross-center research collaboration among 8 institutions to advance the science and practice of dissemination and implementation in cancer prevention and control.

November 2015-current, Program Co-Director of the Geographic Management of Cancer Health Disparities Program (GMaP) Region 1 South, Lineberger Comprehensive Cancer Center, **University of North Carolina at Chapel Hill**. This NCI Center to Reduce Cancer Health Disparities (CRCHD)-funded program is designed to facilitate collaboration, resource-sharing, and capacity-building among cancer health equity researchers, trainees, outreach workers and organizations, with a focus on North Carolina, South Carolina and Tennessee.

May 2010-May 2016, Assistant Professor, tenure-track, Health Policy and Management, **University of North Carolina at Chapel Hill**.

May 2010-current, Associate Member, Lineberger Comprehensive Cancer Center, Cancer Prevention and Control, **University of North Carolina at Chapel Hill**.

May 2010-current, Faculty Research Fellow, Cecil G Sheps Center for Health Services Research, **University of North Carolina at Chapel Hill**.

Oct 2011-Oct 2014, Carolina Community Network (CCN II) Cancer Health Disparities Trainee, Center for Health Promotion and Disease Prevention, **University of North Carolina at Chapel Hill**. This NCI-funded cooperative agreement was designed to engage trainees and the community via community-based participatory research to address racial disparities in cancer care and outcomes.

August 2008-May 2010, Pre-doctoral Trainee, Ruth L Kirschstein National Research Service Award (NRSA), Cecil G. Sheps Center for Health Services Research, **University of North Carolina at Chapel Hill**. Training Program Director: Timothy Carey. This Agency for Healthcare Research (AHRQ)-funded fellowship supports and trains health services researchers in pre-doctoral and post-doctoral positions.

August 2009-May 2010, Research Assistant, Health Policy and Management, **University of North Carolina at Chapel Hill**. PIs: Bryan Weiner and Bill Carpenter. Assisted with writing and submitting data requests, cleaning and analyzing claims data, and preparing manuscripts for breast cancer outcomes research.

May 2008-May 2009, Research Assistant, Health Policy and Management, **University of North Carolina at Chapel Hill**. PI: Andrea Biddle. Assisted with analysis and economic evaluation for Family Ties smoking cessation study in collaboration with Duke University and the Durham VA Medical Center.

May 2007-May 2009 (intermittent), Research Assistant and Instructor, Departments of Health Administration and Policy, and Biometry, Biostatistics, and Epidemiology, **Medical University of South Carolina**. Assisted Dr. Kit Simpson with discrete event simulation model design, parameterization, literature review, and manuscript writing for smoking cessation study in collaboration with industrial engineering researchers at Clemson University. Also assisted with teaching in the Doctoral program, Masters program, and Southeastern Pre-doctoral Training in Clinical Research (SPTCR) program (directed by Dr. Barbara Tilley).

August 2007-January 2009, Research Fellow, **Family Health International (FHI)**, Applied Research Division, Health Services Research, Research Triangle Park, North Carolina. PIs: Theresa Hatzell Hoke and Jessica Price. Assisted with pilot study and scale-up of community-based distribution of depot medroxyprogesterone acetate (DMPA) in Madagascar, analysis of qualitative and quantitative data for the HIV/AIDS Prevention with Positives study in Rwanda, conducting literature reviews, and writing internal reports and manuscripts.

May 2007-July 2007, Research Intern, **Malawi Children's Village (MCV)**, Mangochi, Malawi. Collected primary data and set up a clinic database for MCV administrative use for MCV stakeholders Malawi.

August 2006-May 2007, Research Assistant, Health Policy and Management, **University of North Carolina at Chapel Hill**. PI: Andrea Biddle. Assisted with projects related to economic evaluation (topics: female sexual dysfunction, menopause and depression; cost-effectiveness of treated bed-nets for malaria prevention in HIV-positive pregnant women in the Democratic Republic of Congo; and cost-effectiveness of orthodontic treatment).

October 2004-February 2005, Program Assistant, School of Public Health, **University of Cape Town**. Assisted with Masters of Public Health program admissions, curriculum planning, and program management.

Other work experience

June 2005-August 2006, Trader/Registered Securities Representative and Analyst, **Automated Trading Desk (ATD)**, Charleston, South Carolina. Passed NASD Series 7, 55, and 63 exams in Securities/Equities Trading; Certified by NASD and Securities Exchange Commission as a Registered Representative (2005).

HONORS/AWARDS:

Distinguished Alumni Award, College of Charleston (2017)

Early Career Public Health Research Award, Association of Schools and Programs of Public Health (2017)

Mentored Training for Dissemination and Implementation Research in Cancer (MT-DIRC) Fellowship, Washington University in St. Louis (2017)

Merit Award, Conquer Cancer Foundation/American Society of Clinical Oncology (ASCO) (2015)

Jean G. Yates Outstanding Doctoral Student Award, Health Policy and Management Annual Awards Ceremony, University of North Carolina at Chapel Hill (2010)

Delta Omega National Honorary Society Award for Academic Excellence, Theta Chapter (2010)

Pre-Doctoral Fellowship in Health Services Research, Cecil G Sheps Center for Health Services Research, AHRQ-funded National Research Service Award, University of North Carolina at Chapel Hill (2008-2010)

Most Outstanding Abstract Award, AcademyHealth Annual Research Meeting (2009)

Harry T. Phillips Award for Outstanding Teaching by a Doctoral Student, Health Policy and Management Annual Awards Ceremony, University of North Carolina at Chapel Hill (2009)

Passed Doctoral Qualifying Exams with *Honors Distinction*, Health Policy and Management, University of North Carolina at Chapel Hill (2008)

Center for Discrete Mathematics and Theoretical Computer Science (DIMACS) Advanced Study Institute (ASI) in Economic Epidemiology, Makerere University, Uganda (2009)

Mathematical Biology Modeling Travel Award, Fondation Merieux, France (2008)

Student Assembly Scholarship, American Public Health Association (APHA) (2008)

International Travel Award, Health Policy and Management, Malawi (2007)

Academic Merit Fellowship, University of North Carolina at Chapel Hill Graduate School (2006-2007)

Rotary International Ambassadorial Academic Fellowship (2004-2005)

Graduated Magna cum Laude from the Honors College at the College of Charleston with **Departmental Honors** in Biology and in Theatre (2003)

Outstanding Student Award in Biology, College of Charleston (2003)

Golden Key National Honors Society, College of Charleston (inducted in 2003)

Phi Kappa Phi Honors Fraternity, College of Charleston (inducted in 2003)

Palmetto Fellows Scholar, College of Charleston (1999-2003)

Presidential Scholar, College of Charleston (1999-2003)

BIBLIOGRAPHY (+ denotes student/mentee; ++ denotes primary advisor to student/mentee on project):**Book chapters**

Reeder-Hayes, Katherine E, **Stephanie B Wheeler**, and Lisa A Carey. "Breast cancer in minority women." *Diseases of the Breast, 5th ed.* 2014. Invited book chapter. Eds: Jay R Harris, Marc E Lippman, Monica Morrow, C Kent Osborne. Wolters Kluwer Health: Philadelphia, PA.

Refereed journal publications

1. Kohler, Racquel E++, Satish Gopal, Clara N Lee, Bryan J Weiner, Bryce B Reeve, and **Stephanie B Wheeler**. Breast Cancer Knowledge, Behaviors, and Preferences in Malawi: Implications for Early Detection Interventions from a Discrete Choice Experiment. *Journal of Global Oncology*. Accepted. In Press.
2. Cotton, Cary C, Daniel Erim++, Swathi Eluri, Sarah Hiller, Daniel Green, W Asher Wolf, Thomas M Runge, **Stephanie B Wheeler**, Nicholas J Shaheen, and Evan S Dellon. A cost-utility analysis of topical steroids compared to dietary elimination for treatment of eosinophilic esophagitis. *Clinical Gastroenterology and Hepatology*. Accepted. In Press.
3. Anderson C+, Meyer AM, **Wheeler SB**, Zhou L, Reeder-Hayes K, Nichols HB. "Endocrine therapy initiation and medical oncologist utilization among women diagnosed with ductal carcinoma in situ". *The Oncologist*. Accepted. In Press.
4. Wysham, Weiya, Elisabeth M Schaffer+, Theresa Coles+, Dario R Roque, **Stephanie B Wheeler**, and Kenneth H Kim. Adding bevacizumab to single agent chemotherapy for the treatment of platinum-resistant recurrent ovarian cancer: a cost effectiveness analysis of the AURELIA trial. *Gynecologic Oncology*. 2017 Mar 10. pii: S0090-8258(17)30160-9. doi: 10.1016/j.ygyno.2017.02.039. [Epub ahead of print] PMID: 28291545
5. Pinheiro, Laura+, **Stephanie B Wheeler**, Katherine Reeder-Hayes, Cleo A Samuel, Andrew F Olshan, Bryce B Reeve. Investigating Associations between Health-Related Quality of Life and Endocrine Therapy Under-Utilization in Women with Early Stage Breast Cancer." *Journal of Oncology Practice*. 2017 Mar 14:JOP2016018630. doi: 10.1200/JOP.2016.018630. [Epub ahead of print] PMID: 28291383
6. Pinheiro LC+, Tan X, Olshan AF, **Wheeler SB**, Reeder-Hayes KE, Samuel CA, Reeve BB. Examining health-related quality of life patterns in women with breast cancer. *Qual Life Res*. 2017 Feb 28. Doi: 10.1007/s11136-017-1533-5. [Epub ahead of print] PMID: 28247314
7. Hassmiller Lich K, Cornejo DA+, Mayorga ME, Pignone M, Tangka FK, Richardson LC, Kuo TM, Meyer AM, Hall IJ, Smith JL, Durham TA+, Chall SA, Crutchfield TM, **Wheeler SB**. Cost-effectiveness analysis of four simulated colorectal cancer screening interventions, North Carolina. *Preventing Chronic Disease*. 2017 Feb 23; 14:E18. doi: 10.5888/pcd14.160158. PMID: 28231042
8. **Wheeler, Stephanie B**, Tzy-Mey Kuo, Anne Marie Meyer, Christa E Martens, Kristen M Hassmiller Lich, Florence K L Tangka, Lisa C Richardson, Ingrid J Hall, Judith Lee Smith, Maria E Mayorga, Trisha Crutchfield, and Michael P Pignone. Multilevel predictors of colorectal cancer testing modality among publicly and privately insured people turning 50. *Preventive Medicine Reports*. 2016 Dec 7;6:9-16. doi: 10.1016/j.pmedr.2016.11.019. PMID: 28210537
9. Peppercorn, Jeffrey, Nora Horrick, Kevin Houck, Julia Rabin, Victor Villagra, Gary H Lyman, and **Stephanie B Wheeler**. "Impact of Elimination of Cost-Sharing for Mammographic Breast Cancer Screening among Rural U.S. Women: A Natural Experiment". *Cancer*. 2017 Feb 14. Doi: 10.1002/cncr.30629. [Epub ahead of print] PMID: 28195644
10. **Wheeler SB** and Basch E. Translating cancer surveillance data into effective public health interventions. *JAMA*. 2017 Jan 24; 317(4):365-367. PMID: 28118434
11. Roberts, Megan C++, Amy Bryson, Morris Weinberger, Stacie B Dusetzina, Michaela A Dinan, Katherine Reeder-Hayes, and **Stephanie B Wheeler**. Oncologists' barriers and facilitators for Oncotype DX use: A

- Qualitative Study. *International Journal of Technology Assessment in Health Care*. 2016 Jan;32(5):355-361. PMID: 27958190
12. Wilkinson A, Anderson S, and **Wheeler SB**. Screening for and treating post-partum depression and psychosis: A cost-effectiveness analysis. *Maternal Child Health Journal*. 2016 Nov 10. [Epub ahead of print] PMID: 27832444.
 13. Durham, Danielle D+, Whitney R Robinson, Sheila S Lee, **Stephanie B Wheeler**, Katherine E Reeder-Hayes, James M Bowling, Andrew F Olshan, Louise M Henderson. Insurance-based differences in time to diagnostic follow-up after positive screening mammography. *Cancer Epidemiology Biomarkers and Prevention*. 2016 Nov;25(11):1474-1482. PMID: 27803069
 14. **Wheeler SB**, Roberts M++, Bloom D, Reeder-Hayes K, Espada M++, Peppercorn J, Golin CE, and Earp JA. Oncology Providers' Perspectives on Endocrine Therapy Prescribing and Management. *Patient Preference and Adherence*. 2016 Sep 30;10:2007-2019. PMID: 27757021
 15. Martens CE, Crutchfield TM, Laping JL, Perreras L+, Reuland DS, Cubillos L+, Pignone MP, **Wheeler SB**. Why Wait Until Our Community Gets Cancer?: Exploring CRC Screening Barriers and Facilitators in the Spanish-Speaking Community in North Carolina. *J Cancer Educ*. 2016 Dec;31(4):652-659. PMID: 26264390
 16. Samuel CA, Pinheiro LC, Reeder-Hayes KE, Walker JS, Corbie-Smith G, Fashaw SA, Woods-Giscombe C, **Wheeler SB**. To be young, Black, and living with breast cancer: a systematic review of health-related quality of life in young Black breast cancer survivors. *Breast Cancer Res Treat*. 2016 Nov;160(1):1-15. Review. PMID: 27601138
 17. Pinheiro LC, Samuel CA, Reeder-Hayes KE, **Wheeler SB**, Olshan AF, Reeve BB. Understanding racial differences in health-related quality of life in a population-based cohort of breast cancer survivors. *Breast Cancer Res Treat*. 2016 Oct;159(3):535-43. doi: 10.1007/s10549-016-3965-y. Epub 2016 Sep 1. PMID: 27585477
 18. Mayer DK, Deal AM, Crane JM, Chen RC, Asher GN, Hanson LC, **Wheeler SB**, Gerstel A, Green M, Birken S, Rosenstein DL. Using Survivorship Care Plans to Enhance Communication and Cancer Care Coordination: Results of a Pilot Study. *Oncol Nurs Forum*. 2016 Sep 1;43(5):636-45. doi: 10.1188/16.ONF.636-645. PMID: 27541556
 19. Kohler RE, Gopal S, Miller AR, Lee CN, Reeve BB, Weiner BJ, **Wheeler SB**. A framework for improving early detection of breast cancer in sub-Saharan Africa: A qualitative study of help-seeking behaviors among Malawian women. *Patient Educ Couns*. 2016 Aug 9. pii: S0738-3991(16)30354-8. doi: 10.1016/j.pec.2016.08.012. [Epub ahead of print] PMID: 27528411
 20. Price JT, **Wheeler SB**, Stranix-Chibanda L, Hosek SG, Watts DH, Siberry GK, Spiegel HM, Stringer JS, Chi BH. Cost-Effectiveness of Pre-exposure HIV Prophylaxis During Pregnancy and Breastfeeding in Sub-Saharan Africa. *J Acquir Immune Defic Syndr*. 2016 Aug 1;72 Suppl 2:S145-53. doi: 10.1097/QAI.0000000000001063. PMID: 27355502
 21. Sarah E. Rutstein+, Mina C. Hosseinipour, Morris Weinberger, **Stephanie B. Wheeler**, Andrea K. Biddle, Carole L. Wallis, Pachamuthu Balakrishnan, John W. Mellors, Mariza Morgado, Shanmugam Saravanan, Srikanth Tripathy, Saran Vardhanabhuti, Joseph J. Eron and William C. Miller. Predicting resistance as indicator for need to switch from first-line antiretroviral therapy among patients with elevated viral loads: development of a risk score algorithm. *BMC Infectious Diseases*. 2016 Jun 13. 16(1):280. PMID: 27296625.
 22. Roberts, Megan C++, Amy Bryson, Morris Weinberger, Stacie B Dusetzina, Michaela A Dinan, Katherine Reeder-Hayes, and **Stephanie B Wheeler**. Patient-centered communication for discussing Oncotype DX testing. *Cancer Investigation*. 2016 May 27; 34(5): 205-12. PMID: 27124287.
 23. Ellis SD+, Chen RC, Dusetzina SB, **Wheeler SB**, Jackson GL, Nielsen ME, Carpenter WR, Weinberger M, Ellis SD, Chen RC, Dusetzina SB, Wheeler SB, Jackson GL, Nielsen ME, Carpenter WR, Weinberger M. Are

- Small Reimbursement Changes Enough to Change Cancer Care? Reimbursement Variation in Prostate Cancer Treatment. *J Oncol Pract.* 2016 Apr; 12(4):e423-36. PubMed PMID: 26957641.
24. Spencer JC++, **Wheeler SB**. A systematic review of Motivational Interviewing interventions in cancer patients and survivors. *Patient Educ Couns.* 2016 Feb 8. pii: S0738-3991(16)30064-7. doi: 10.1016/j.pec.2016.02.003. [Epub ahead of print] Review. PubMed PMID: 26879805.
25. Roberts MC++, Weinberger M, Dusetzina SB, Dinan MA, Reeder-Hayes KE, Carey LA, Troester MA, **Wheeler SB**. Racial Variation in the Uptake of Oncotype DX Testing for Early-Stage Breast Cancer. *J Clin Oncol.* 2016 Jan 10;34(2):130-8. doi: 10.1200/JCO.2015.63.2489. Epub 2015 Nov 23. PubMed PMID: 26598755
26. Kohler RE++, Lee CN, Gopal S, Reeve BB, Weiner BJ, **Wheeler SB**. Developing a discrete choice experiment in Malawi: eliciting preferences for breast cancer early detection services. *Patient Prefer Adherence.* 2015 Oct 14;9:1459-72. doi: 10.2147/PPA.S87341. eCollection 2015. PubMed PMID: 26508842; PubMed Central PMCID: PMC4612134.
27. Rutstein SE++, Siedhoff MT, Geller EJ, Doll KM, Wu JM, Clarke-Pearson DL, **Wheeler SB**. Cost-Effectiveness of Laparoscopic Hysterectomy With Morcellation Compared With Abdominal Hysterectomy for Presumed Myomas. *J Minim Invasive Gynecol.* 2016 Feb 1;23(2):223-33. doi: 10.1016/j.jmig.2015.09.025. Epub 2015 Oct 22. PubMed PMID: 26475764; PubMed Central PMCID: PMC4744549.
28. Butler AM, Kshirsagar AV, Olshan AF, Nielsen ME, **Wheeler SB**, Brookhart MA. Trends in Anemia Management in Hemodialysis Patients with Cancer. *Am J Nephrol.* 2015;42(3):206-15. doi: 10.1159/000440771. Epub 2015 Oct 7. PubMed PMID: 26439712; PubMed Central PMCID: PMC4618160.
29. Peppercorn J, Houck K+, Beri N, Villagra V, Wogu AF, Lyman GH, **Wheeler SB**. Breast cancer screening utilization and understanding of current guidelines among rural U.S. women with private insurance. *Breast Cancer Res Treat.* 2015 Oct;153(3):659-67. doi: 10.1007/s10549-015-3566-1. Epub 2015 Sep 19. PubMed PMID: 26386956.
30. Kohler RE++, Goyal RK, Lich KH, Domino ME, **Wheeler SB**. Association between medical home enrollment and health care utilization and costs among breast cancer patients in a state Medicaid program. *Cancer.* 2015 Nov 15;121(22):3975-81. doi: 10.1002/cncr.29596. Epub 2015 Aug 19. PubMed PMID: 26287506.
31. Rutstein SE+, Golin CE, **Wheeler SB**, Kamwendo D, Hosseinipour MC, Weinberger M, Miller WC, Biddle AK, Soko A, Mkandawire M, Mwenda R, Sarr A, Gupta S, Mataya R. On the front line of HIV virological monitoring: barriers and facilitators from a provider perspective in resource-limited settings. *AIDS Care.* 2016 Jan;28(1):1-10. doi: 10.1080/09540121.2015.1058896. Epub 2015 Aug 17. PubMed PMID: 26278724.
32. Roberts MC++, Weinberger M, Dusetzina SB, Dinan MA, Reeder-Hayes KE, Troester MA, Carey LA, **Wheeler SB**. Racial variation in adjuvant chemotherapy initiation among breast cancer patients receiving oncotype DX testing. *Breast Cancer Res Treat.* 2015 Aug;153(1):191-200. doi: 10.1007/s10549-015-3518-9. Epub 2015 Jul 28. PubMed PMID: 26216535; PubMed Central PMCID: PMC4562432
33. Erim, Daniel O++, Nirosha Mahendraratnam+, Phillip N Okafor, and **Stephanie B Wheeler**. "The value of Vedolizumab as rescue therapy in moderate-severe Crohn's disease patients with Adalimumab non-response in the USA". *Journal of Crohn's and Colitis.* 2015 May 18. pii: jjv090. [Epub ahead of print] PMID: 25987351
34. Reeder-Hayes, Katherine E, **Stephanie B Wheeler**, and Deborah K Mayer. "Health disparities across the breast cancer continuum". *Seminars in Oncology Nursing.* 2015 May;31(2):170-7. doi: 10.1016/j.soncn.2015.02.005. Epub 2015 Feb 16. PMID: 25951746
35. Orman, Eric S, Maria E Mayorga, **Stephanie B Wheeler**, Rachel M Townsley+, Hector H Toro-Diaz+, Paul H Hayashi, and A Sidney Barritt IV. "Declining liver graft quality threatens the future of liver transplantation in the United States". *Liver Transplantation.* 2015 May 4. doi: 10.1002/lt.24160. [Epub ahead of print] PMID: 25939487

36. Roberts, Megan++, **Stephanie B Wheeler**, and Katherine Reeder-Hayes. "Racial/ethnic disparities in endocrine therapy adherence in breast cancer: A systematic review". *American Journal of Public Health*. 2015 Jul;105 Suppl 3:e4-e15. doi: 10.2105/AJPH.2014.302490. Epub 2015 Apr 23. PMID: 25905855
37. Rutstein, Sarah+, Mina C Hosseinipour, Deborah Kamwendo, Alice Soko, Memory Mkandawire, Andrea K Biddle, William C Miller, Morris Weinberger, **Stephanie B Wheeler**, Abdoulaye Sarr, Sundeep Gupta, Frank Chimbwandira, Reuben Mwenda, Steve Kamiza, Irving Hoffman, and Ronald Mataya. "Dried blood spots for viral load monitoring in Malawi: feasible and effective". *PLoS One*. 2015 Apr 21;10(4):e0124748. doi: 10.1371/journal.pone.0124748. eCollection 2015. PMID: 25898365
38. Ellis, Shellie+, Matthew E Nielsen, William R Carpenter, George L Jackson, **Stephanie B Wheeler**, Huan Liu, and Morris Weinberger. "Gonadotropin-releasing hormone agonist overuse: Urologists' response to reimbursement and characteristics associated with persistent overuse". *Prostate Cancer and Prostatic Diseases*. 2015 Apr 7. doi: 10.1038/pcan.2015.10. [Epub ahead of print] PMID: 25849354
39. Siedhoff, Matthew T, **Stephanie B Wheeler**, Sarah E Rutstein++, Elizabeth J Geller, Kemi M Doll, Jennifer M Wu, Daniel L Clarke-Pearson. "Laparoscopic hysterectomy with morcellation versus abdominal hysterectomy for presumed uterine leiomyomata: a decision analysis". *American Journal of Obstetrics and Gynecology*. 2015 May;212(5):591.e1-e91.e8 24. pii: S0002-9378(15)00200-8. doi: 10.1016/j.ajog.2015.03.006. Epub 2015 Mar 24. PMID: 25817518
40. Butler, Anne+, Andrew Olshan, Abhijit V Kshirsagar, Jessie K Edwards, Matthew E Nielsen, **Stephanie B Wheeler**, and M Alan Brookhart. "Cancer incidence among U.S. Medicare end-stage renal disease patients receiving hemodialysis: 1996-2009". *American Journal of Kidney Diseases*. 2015 May;65(5):763-72. pii: S0272-6386(15)00017-7. doi: 10.1053/j.ajkd.2014.12.013. Epub 2015 Feb 7. PMID: 25662835
41. Mayer DK, Green M, Check DK+, Gerstel A, Chen RC, Asher G, **Wheeler SB**, Hanson LC, Rosenstein DL. Is there a role for survivorship care plans in advanced cancer? *Support Care Cancer*. 2015 Aug;23(8):2225-30. doi: 10.1007/s00520-014-2586-4. Epub 2015 Jan 7. PubMed PMID: 25559037.
42. Pinheiro, Laura C+, **Stephanie B Wheeler**, Ronald C Chen, Deborah K Mayer, Jessica C Lyons, and Bryce B Reeve. "The effects of cancer and racial disparities in health-related quality of life among older Americans: A case-control, population-based study". *Cancer*. 2015 Apr 15;121(8):1312-20. doi: 10.1002/cncr.29205. Epub 2014 Dec 18. PMID: 25522692
43. Pignone, Michael P, Trisha M Crutchfield, Paul M Brown, Sarah T Hawley, Jane L Laping, Carmen L Lewis, Kristen H Lich, Lisa C Richardson, Florence K Tangka, **Stephanie B Wheeler**. "Using a discrete choice experiment to inform the design of programs to promote colon cancer screening for vulnerable populations in North Carolina". *BMC Health Services Research*. 2014 Nov 30; 14(1): 611. doi: 10.1186/s12913-014-0611-4. PMID: 25433801
44. Tan, Hung-Jui, Anne-Marie Meyer, Tzy-Mey Kuo, Angela B Smith, **Stephanie B Wheeler**, William R Carpenter, Matthew E Nielsen. "Provider-based research networks and the diffusion of surgical technologies among patients with early-stage kidney cancer". *Cancer*. 2015 Mar 15;121(6):836-43. DOI: 10.1002/cncr.29144. Epub 2014 Nov 19. PMID: 25410684
45. Toro-Diaz, Hector+, Maria E Mayorga, A Sidney Barritt IV, Eric S Orman, and **Stephanie B Wheeler**. "Predicting liver transplant capacity using discrete event simulation". *Medical Decision Making*. 2014 Nov 12. pii: 0272989X14559055. [Epub ahead of print] PMID: 25391681
46. Johnson, David C, Josip Vukina, Angela B Smith, Anne Marie Meyer, **Stephanie B Wheeler**, Tzy-Mey Kuo, Hung-Jui Tan, Michael E Woods, Mathew C Raynor, Eric M Wallen, Raj S Pruthi, Matthew E Nielsen. "Preoperatively misclassified, surgically removed benign renal masses: A systematic review of surgical series and United States population-level burden estimate". *Journal of Urology*. 2015 Jan;193(1):30-5. doi: 10.1016/j.juro.2014.07.102. Epub 2014 Jul 27. PMID: 25072182
47. Sheets, Nathan, **Stephanie B Wheeler**, Racquel E Kohler++, Paul M Brown, and Bisham S Chera. "Costs of care in a matched pair comparison of intensity modulated radiation therapy (IMRT) versus conventional

- radiation therapy (CRT) for the treatment of head and neck cancer". American Journal of Clinical Oncology. 2014 Dec;37(6):539-44. doi: 10.1097/COC.0b013e318282a850. PMID: 23466583
48. **Wheeler, Stephanie B**, Racquel E Kohler++, Katherine Reeder-Hayes, Ravi K Goyal, Kristen H Lich, Ching-Ching Lin, Alexis Moore, Timothy W Smith, Cathy L Melvin, and Hy Muss. "Endocrine therapy initiation among Medicaid-insured breast cancer survivors with hormone-receptor positive tumors". Journal of Cancer Survivorship. 2014 Dec;8(4):603-10. doi: 10.1007/s11764-014-0365-3. PMID: 24866922
 49. **Wheeler, Stephanie B**, Tzy-Mey Kuo, Ravi K Goyal, Anne Marie Meyer, Kristen H Lich, Emily Gillen+, Seth Tyree, Carmen Lewis, Trisha M Crutchfield, Christa E Martens, Florence Tangka, Lisa C Richardson, and Michael P Pignone. "Regional variation in colorectal cancer testing and geographic availability of care in a publicly insured population". Health & Place. 2014 Sep;29:114-23. doi: 10.1016/j.healthplace.2014.07.001. Epub 2014 Jul 24. PMID: 25063908
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 51. **Wheeler, Stephanie B**, and Ethan Basch. "Cancer care research in North Carolina: the state of the state". North Carolina Medical Journal. 2014 Jul-Aug; 75(4):248-252. PMID: 25046088
 52. **Wheeler, Stephanie B**, Tzy-Mey Kuo, Danielle Durham++, Brian Frizzelle, Katherine Reeder-Hayes, and Anne-Marie Meyer. "Effects of distance to care and rural or urban residence on receipt of radiation therapy among North Carolina Medicare enrollees with breast cancer". North Carolina Medical Journal. 2014 Jul-Aug; 75(4):239-246. PMID: 25046086
 53. Goyal, Ravi K, **Stephanie B Wheeler**, Racquel E Kohler++, Kristen H Lich, Ching-Ching Lin, Katherine Reeder-Hayes, Anne Marie Meyer, and Deborah K Mayer. "Healthcare utilization from chemotherapy-related adverse events among low-income breast cancer patients: Effect of enrollment in a medical home program". North Carolina Medical Journal. 2014 Jul-Aug;75(4):231-8. PMID: 25046085
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- surgery in low-income women with early-stage breast cancer". *Cancer Investigation*. 2012 May;30(4):258-67. doi: 10.3109/07357907.2012.658937. Epub 2012 Apr 10. PMID: 22489864
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79. Reisen, Fabienne, **Stephanie Wheeler**, and Janet Arey. "Methyl- and dimethyl-/ethyl-nitronaphthalenes measured in ambient air in southern California". *Atmospheric Environment*. 2003 Aug; 37(26):3653-3657. doi: 10.1016/S1352-2310(03)00469-2

Refereed proceedings article

1. Mayorga, Maria, Odette S Reifsnider, **Stephanie Wheeler**, Racquel E Kohler+. "A discrete event simulation model to estimate population level health and economic impacts of smoking cessation interventions". Accepted August 29, 2014. Presented Dec 2014 at the Winter Simulation Conference, Savannah GA.

Manuscripts under peer review

1. **Wheeler, Stephanie B**, Jennifer Spencer++, Laura Pinheiro+, Caitlin Murphy+, Jo Anne Earp, Morris Weinberger, Lisa Carey, Katherine E Reeder-Hayes. Modifiable determinants of racial disparities in endocrine therapy adherence. 20 pages. Submitted February 2017
2. Yi, Zinan, Eric S Orman, Maria E Mayorga, **Stephanie B Wheeler**, Paul H Hayashi, and A Sidney Barritt. "Trends in characteristics of patients listed for liver transplantation will lead to higher rates of waitlist removal due to clinical deterioration". 36 pages. Submitted January 2017
3. Yi, Zinan, Maria E Mayorga, **Stephanie B Wheeler**, Paul H Hayashi, A Sidney Barritt, and Eric S Orman. "The Changing Liver Transplant Waitlist is Associated with Increasing Waitlist Dropout". 24 pages. Submitted January 2017
3. Davis, Melinda; Renfro, Stephanie; Pham, Robyn; Hassmiller Lich, Kristen; Shannon, Jackilen; Coronado, Gloria; **Wheeler, Stephanie B**. Regional Variation in Colorectal Cancer Screening and Access to Primary Care within Oregon's Medicaid and Commercially Insured Populations. Resubmitted January 2017. 25 pages

4. Fry, M Whitney, Asheley Skinner, and **Stephanie B Wheeler**. "Understanding the relationship between male gender socialization and gender-based violence among refugees in sub-Saharan Africa". Resubmitted December 2016. 40 pages
5. Reeder-Hayes, Katherine, **Stephanie B Wheeler**, Anne Marie Meyer, Meng Ke, and Stacie Dusetzina. "Racial disparities in adherence to endocrine therapy in a diverse multi-payer breast cancer cohort". Submitted December 2016. 14 pages

Manuscripts in preparation

1. **Wheeler, Stephanie B**, Megan C Roberts++, Diane Bloom, Katherine Reeder-Hayes, Morris Weinberger, Carol Golin, Jeffrey Peppercorn, and Jo Anne Earp. "Understanding barriers and facilitators to endocrine therapy use: A qualitative study of breast cancer patients". 29 pages
2. **Wheeler, Stephanie B**, Stefan Lhachimi, Priya Palta, Jennifer Leeman, and Christy Avery. Expanding the use of simulations for obesity prevention and control in racially/ethnically diverse U.S. populations". Submitted June 2016. 35 pages
3. Davis, Melinda; Renfro, Stephanie; Pham, Robyn; Hassmiller Lich, Kristen; Shannon, Jackilen; Coronado, Gloria; **Wheeler, Stephanie B**. CRC screening patterns in Medicaid populations within Oregon's Coordinated Care Organizations (CCOs) over time. 14 pages
4. **Wheeler, Stephanie B**, Kevin Houck+, Victor Villagra, and Jeffrey M Peppercorn. "Colorectal cancer screening patterns and predictors among rural, privately insured women". 20 pages
5. **Wheeler, Stephanie B**, Tzy-Mey Kuo, Anne Marie Meyer, Christa E Martens, Kristen M Hassmiller Lich, Florence K L Tangka, Lisa C Richardson, Ingrid J Hall, Judith Lee Smith, Maria E Mayorga, Trisha Crutchfield, and Michael P Pignone. "Multilevel determinants of colorectal cancer screening in publicly and privately insured populations". 19 pages
6. Crutchfield, Trisha M, Jane L Laping, Laura C Braswell+, Michael P Pignone, Sarah T Hawley, Florence Tangka, Lisa C Richardson, Judith Lee Smith, Ingrid Hall, and **Stephanie B Wheeler**. "'Spread the word!': Strategies used to recruit vulnerable adults for focus groups and surveys on colorectal cancer screening programs". 17 pages
7. Crutchfield, Trisha M, Jane L Laping, Christa E Martens, Paul M Brown, Michael P Pignone, and **Stephanie B Wheeler**, "The MINDSPACE approach: Nudging vulnerable individuals toward colorectal cancer screening". Submitted May 2015. 37 pages
8. Penn, Dolly, Anne Marie Meyer, **Stephanie B Wheeler**, and Katherine Reeder-Hayes. "Eliminating disparities in cancer outcomes by eliminating disparities in cancer clinical trial participation". 16 pages

Doctoral dissertation

"A closer look: Health services structure and organization, health disparities, and receipt of high quality breast cancer treatment". Concentration/Minor in Decision Sciences Modeling (May 2010). Approved by Drs. Andrea Biddle (Chair), William R Carpenter, Jeffrey Peppercorn, Anna P Schenck, and Morris Weinberger

Refereed oral presentations (underline indicates that the oral presentation was given by Dr. Wheeler)

1. Matthew Nielsen, **Stephanie B. Wheeler**, Daniel Erim++, Mihaela Georgieva++, and Casey Ng. A model-based comparison of evaluation strategies for urinary tract malignant tumors in patients with asymptomatic microscopic hematuria. Society for Medical Decision Making in St. Louis, MO (October 2015)
2. **Wheeler, Stephanie B**, May Kuo, Anne Marie Meyer, Kristen Hassmiller Lich, and Michael Pignone. "Colorectal Cancer Screening Modality Among Publicly and Privately Insured People Turning 50". AcademyHealth Disparities Interest Group in Minneapolis, MN (June 2015)
3. Beri, Nina, Kevin Houck+, Victor Villagra, **Stephanie B Wheeler**, Jeffrey M Peppercorn. "Breast cancer screening in younger women". American Society of Clinical Oncology in Chicago, IL (June 2014)

4. Mayorga, Maria, Sid Barritt, Eric Orman, Hector Toro-Diaz+, and **Stephanie Wheeler**. "Predicting liver transplant capacity using simulation". INFORMS Healthcare Meeting in Chicago, IL (June, 2013)
5. Hassmiller Lich, Kristen, Maria Mayorga, **Stephanie Wheeler**, and Nadeepa Wickramage. "Perspective matters: Choosing a simulation study design for optimizing colorectal cancer outcomes". INFORMS Healthcare Meeting in Chicago, IL (June, 2013)
6. **Wheeler, Stephanie**, Racquel E Kohler++, Maria Mayorga, and Odette Reifsnider. "Discrete event simulation estimating health and economic impacts of smoking cessation approaches". INFORMS Healthcare Meeting in Chicago, IL (June, 2013)
7. Peppercorn, Jeffrey M, **Stephanie B Wheeler**, Kevin Houck+, Bercedis Peterson, Victor Villagra, James Antetomaso, Adane Fekadu Wogu, and Gary H. Lyman. "Impact of copayment elimination on annual and biennial screening mammography utilization among rural U.S. women". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2013)
8. Stover, Angela+, Bryce Reeve, Hy Muss, Deborah K Mayer, **Stephanie Wheeler**, and Jessica Lyons. "Physical Functioning Changes in Women with and without Breast Cancer: A Matched Comparative Study of Medicare Beneficiaries". Society of Behavioral Medicine Annual Meeting in San Francisco, CA (March, 2013)
9. Sheets, Nathan, **Stephanie B Wheeler**, Racquel E Kohler++, Paul Brown, and Bhisham Chera. "Differences in Billing Charges in a Matched Pair Comparison of Intensity Modulated Radiation Therapy (IMRT) versus 3-D Conformal Radiation Therapy (CRT) for the Treatment of Head and Neck Cancer". Multidisciplinary Head and Neck Cancer Symposium in Phoenix, AR (January, 2012)
10. **Wheeler, Stephanie B**, William R Carpenter, Jeffrey Peppercorn, Anna Schenck, Morris Weinberger, and Andrea K Biddle. "Delays in Initiation of Radiation Therapy after Breast Conserving Surgery May Explain In Part Racial Disparities in Breast Cancer Mortality among Older Women". AcademyHealth Annual Research Meeting in Seattle, WA (June, 2011)
11. **Wheeler, Stephanie B**, Andrea K Biddle, William R Carpenter, Morris Weinberger, Jeffrey Peppercorn, Anna P Schenck. "Effect of structural/organizational characteristics of health services on the relationship between race/ethnicity and timely receipt of radiation therapy (RT) in breast cancer patients". 15th annual National Research Service Award Trainees Research Conference in Boston, MA (June, 2010)
12. **Wheeler, Stephanie B**. "The effects of self-esteem and academic performance on adolescent decision-making: an examination of sexual debut and illegal substance use". AcademyHealth Annual Research Meeting in Chicago, IL (June, 2009)
13. Van Nuil, Jennifer, **Stephanie B Wheeler**, Emmanuel Munyambanza, Andrea Sankar, Mark Luborsky, and Jessica Price. "Identifying prevention barriers: analysis of personal narratives from HIV+ Rwandans". 69th annual meeting of the Society for Applied Anthropology in Sante Fe, NM (March, 2009)
14. Siegel, Melissa, and **Stephanie B Wheeler**. "Migration effects on health expenditure: the Moldovan experience". University of Maastricht School of Governance European Graduate Program in Social Protection Policy (ESPP) Educational Symposium in the Netherlands (May, 2008)

Refereed poster presentations (underline indicates that the poster was presented by Dr. Wheeler)

1. Peppercorn, Jeffrey, Kevin Houck, Nora Horrick, Victor Villagra, and **Stephanie B Wheeler**. "Evaluation of Screening Interval and Mastectomy Rates among Rural Women with Newly Diagnosed Breast Cancer". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June 2016)
2. Davis MM, Freeman M, Shannon J, **Wheeler S**, Coronado G, Guise JM, Buckley DI. "The Influence of Implementation Process and Context on Interventions to Increase Use of Fecal Tests for Colorectal Cancer Screening in Vulnerable Populations: A Systematic Review." 8th Annual Conference on the Science of Dissemination and Implementation. Washington, DC. December 14-15, 2015.

3. **Wheeler, Stephanie B**, Matthew Siedhoff, Sarah Rutstein+, Elizabeth J Geller, Kemi M Doll, Jennifer M Wu, Daniel L Clarke-Pearson. "Laparoscopic Morcellation Versus Abdominal Hysterectomy for Presumed Uterine Leiomyomata: A Decision Analysis". AcademyHealth Annual Research Meeting in Minneapolis, MN (June 2015)
4. **Wheeler, Stephanie B**, May Kuo, Anne Marie Meyer, Kristen Hassmiller Lich, and Michael Pignone. "Colorectal Cancer Screening Modality Among Publicly and Privately Insured People Turning 50". AcademyHealth Annual Research Meeting in Minneapolis, MN (June 2015)
5. **Wheeler, Stephanie B**, Caitlin Murphy+, Katherine Reeder-Hayes, Jo Anne Earp, Lisa Carey, and Andy Olshan. "Endocrine therapy adherence, side effects, and risk perception among racially diverse breast cancer patients". American Society of Clinical Oncology in Chicago, IL (June 2015)
6. **Wheeler, Stephanie B**, Anne Marie Meyer, Seth Tyree, Katherine Reeder-Hayes, and William R Carpenter. "Linking cohort data with multi-payer insurance claims to understand endocrine therapy use among breast cancer survivors". AcademyHealth Annual Research Meeting in San Diego, CA (June 2014)
7. **Wheeler, Stephanie B**, Megan C Roberts++, Diane Bloom, Katherine Reeder-Hayes, Morris Weinberger, Carol Golin, Jeffrey Peppercorn, and Jo Anne Earp. "Understanding barriers and facilitators to endocrine therapy use: A qualitative study of breast cancer patients and providers". AcademyHealth Annual Research Meeting in San Diego, CA (June 2014)
8. Reeder-Hayes, Katherine E, Shellie D Ellis+, Stacie Dusetzina, **Stephanie B Wheeler**. "Cost-effectiveness of alternative adjuvant bisphosphonate regimens in postmenopausal women with early breast cancer". American Society of Clinical Oncology in Chicago, IL (June 2014)
9. Ellis, Shellie+, Matthew ENielsen, William RCarpenter, George L Jackson, **Stephanie B Wheeler**, Huan Liu, Morris Weinberger. "Changes in androgen deprivation therapy overuse: Reimbursement response and characteristics of persistent overusers". American Society of Clinical Oncology in Chicago, IL (June 2014)
10. Bainbridge, John+, **Stephanie B Wheeler**, Eun-Sil Shelley Hwang. "Adoption of clinical trial results as a novel institutional quality metric: Sentinel lymph node biopsy and early-stage breast cancer". American Society of Clinical Oncology in Chicago, IL (June 2014)
11. Peppercorn Jeffrey M, Kevin Houck+, Adane F Wogu, Victor Villagra, Gary H Lyman, and **Stephanie B Wheeler**. "A national survey of breast cancer screening in rural America". American Society of Clinical Oncology in Chicago, IL (June 2014)
12. Orman, Eric S, **Stephanie Wheeler**, Hector Toro-Diaz+, Paul H Hayashi, Maria Mayorga, and A Sidney Barritt IV. "20-year forecast of deceased donor liver availability and utilization in the United States using discrete event simulation". American Association for the Study of Liver Diseases in Boston, MA (November, 2013)
13. Peppercorn, Jeffrey, Kevin Houck+, Adane F Wogu, Victor Villagra, Gary H Lyman, and **Stephanie B Wheeler**. "National survey of breast cancer screening in rural America". American Society for Clinical Oncology Breast Cancer Symposium in San Francisco, CA (September, 2013)
14. Kuo, Tzy-Mey, Anne Marie Meyer, **Stephanie B Wheeler**, Brian Frizzelle, Marc Peterson, and William R Carpenter. "Are distances based on addresses better than ZIP Codes for assessing geographic access to cancer care?" AcademyHealth Annual Research Meeting in Baltimore, MD (June, 2013)
15. Reeder-Hayes, Katherine E, Anne Marie Meyer, Stacie Dusetzina, Huan Liu, and **Stephanie B Wheeler**. "Racial disparities in initiation of endocrine therapy for early-stage breast cancer", American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2013)

16. Toro-Diaz Hector H+, Maria E Mayorga, Sidney A Barritt, Eric Orman, and **Stephanie B Wheeler**. "Assessing the uncertain future of liver transplant", Institute of Industrial Engineers (IIE) Annual Conference & Expo: Industrial and Systems Engineering Research Conference (ISERC) in San Juan, Puerto Rico (May, 2013)
17. **Wheeler, Stephanie B**, Racquel EKohler++, Ravi K Goyal, Katherine E Reeder-Hayes, Kristen Hassmiller Lich, Timothy Smith, Cathy Melvin, Alexis Moore, Marisa E Domino. "Patient-centered medical homes may improve breast cancer surveillance among survivors", American Society for Clinical Oncology Quality Symposium in San Diego (December, 2012)
18. Meyer, Anne Marie, Katherine EReeder-Hayes, Huan Liu, **Stephanie B Wheeler**, Dolly Penn, Bryan J Weiner, William R Carpenter, Karyn Beth Stitzenberg. "Differential receipt of sentinel lymph node biopsy within practice-based research networks". American Society for Clinical Oncology Quality Symposium in San Diego (December, 2012)
19. **Wheeler, Stephanie B**, Michael P Pignone, Ravi K Goyal, Paul M Brown, Kristen Hassmiller Lich, Judith Lee Smith, Lisa C Richardson, Ingrid Hall, and Florence Tangka. "Correlates of colorectal cancer screening underuse among publicly insured North Carolinians". CDC National Cancer Conference in Washington, DC (August 2012)
20. Brown, Paul M, **Stephanie B Wheeler**, Linda Cameron, Keith Payne, and Florence Tangka. "Using behavioral economics to design cancer screening programs for vulnerable populations". CDC National Cancer Conference in Washington, DC (August 2012)
21. Reeder-Hayes, Katherine E, **Stephanie B Wheeler**, and Andrea K Biddle. "Cost-effectiveness of adjuvant radiotherapy for older women with early hormone-receptor positive breast cancer". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2012)
22. Kohler, Racquel E++, **Stephanie B Wheeler**, Katherine EReeder-Hayes, Ravi K Goyal, Kristen Hassmiller Lich, Timothy Smith, Cathy Melvin, Alexis Moore, and Hyman Bernard Muss. "Endocrine therapy use among Medicaid-insured breast cancer survivors with hormone receptor positive tumors". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2012)
23. **Wheeler, Stephanie B**, Racquel EKohler++, Ravi K Goyal, Katherine E Reeder-Hayes, Kristen Hassmiller Lich, Timothy Smith, Cathy Melvin, Alexis Moore, Marisa E Domino. "Patient-centered medical homes may improve breast cancer surveillance among survivors". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2012)
24. Meyer, Anne Marie, Katherine E Reeder-Hayes, Huan Liu, **Stephanie B Wheeler**, Dolly Penn, Bryan J Weiner, William R Carpenter, Karyn Beth Stitzenberg. "Differential receipt of sentinel lymph node biopsy within practice-based research networks". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2012)
25. Peppercorn, Jeffrey, **Stephanie B Wheeler**, Miao Yu, James Antetomaso, Peter Baxter, Victor G Villagra, Sin-Ho Jung, Gary H Lyman. Impact of Reduction in Cost-Sharing on Screening Mammography Utilization among Rural U.S. Women. San Antonio Breast Cancer Symposium in TX (December, 2011)
26. Reifsnider, Odette, Maria E Mayorga, and **Stephanie B Wheeler**. "A Discrete Event Simulation Model to Evaluate Cost-effectiveness of Smoking Cessation Treatments". Society for Medical Decision Making in Chicago, IL (October, 2011)
27. **Wheeler, Stephanie B**, William R Carpenter, Jeffrey Peppercorn, Anna Schenck, Morris Weinberger, and Andrea K Biddle. "Optimal Timing of Initiation of Post-Operative Chemotherapy among Stage II-III Breast Cancer Patients". AcademyHealth Annual Research Meeting in Seattle, WA (June, 2011)
28. **Wheeler, Stephanie B**, Yang Wu, Anne-Marie Meyer, William R Carpenter, Lisa C Richardson, Judith Lee Smith, Megan A Lewis, and Bryan J Weiner. "Breast Cancer Treatment Quality: Use of Breast Conserving Surgery Without Radiation Therapy among Medicaid Recipients with Early Stage Breast Cancer".

AcademyHealth Annual Research Meeting in Seattle, WA (June, 2011)

29. **Wheeler, Stephanie B**, Yang Wu, Anne Marie Meyer, William R Carpenter, Lisa C Richardson, Judith L Smith, Megan A Lewis, Bryan J Weiner. "Use of radiation therapy after breast-conserving surgery among Medicaid recipients with early-stage breast cancer". American Society for Clinical Oncology Annual Meeting in Chicago, IL (June, 2011)
30. Holmes, Jordan A, William R Carpenter, Yang Wu, Sharon Peacock, Mark Massing, Anna P Schenck, Anne-Marie Meyer, **Stephanie Wheeler**, Paul A Godley, Ronald C Chen. "Impact of travel distance on early diagnosis of prostate cancer (CaP) and receipt of curative treatment". American Society for Clinical Oncology Annual Meeting in Chicago, WA (June, 2011)
31. **Wheeler, Stephanie B**, Andrea K Biddle, William R Carpenter, Morris Weinberger, Jeffrey Peppercorn, Anna P Schenck. "Timing of receipt of breast cancer adjuvant therapy, race/ethnicity, and long-term health outcomes". 15th annual National Research Service Award Trainees Research Conference in Boston, MA (June, 2010)
32. **Wheeler, Stephanie B**, Andrea K Biddle, William R Carpenter, Morris Weinberger, Jeffrey Peppercorn, Anna P Schenck. "Health disparities and timeliness of receipt of radiation therapy after breast conserving surgery in Medicare patients: What role does structure/organization of health services play?" AcademyHealth Annual Research Meeting in Boston, MA (June, 2010)
33. **Wheeler, Stephanie B**, Andrea K Biddle, William R Carpenter, Morris Weinberger, Jeffrey Peppercorn, Anna P Schenck. "Health services organization, disparities, and timely receipt of adjuvant chemotherapy among breast cancer patients enrolled in Medicare". AcademyHealth Annual Research Meeting in Boston, MA (June, 2010)
34. **Wheeler, Stephanie B**, Benjamin Aiken, Jennifer Caraway Deese, and Annelies van Rie. "Mathematical modeling and global climate change: the effect of rising regional temperatures on yellow fever expansion in Eastern Africa". DIMACS Advanced Study Institute in Economic Epidemiology at Makerere University in Kampala, Uganda (July, 2009)
35. **Wheeler, Stephanie B**. "Effect of health services characteristics on receipt of high quality breast cancer care: an examination of health disparities". 14th annual National Research Service Award Trainees Research Conference in Chicago, IL (June, 2009)
36. Reifsnider, Odette, **Stephanie B Wheeler**, Maria Mayorga, Kit Simpson, and Gerard A. Silverstri. "A predictive model for outcomes associated with smoking cessation programs". Society for Health Systems Conference in Chicago, IL (April, 2009)
37. **Wheeler, Stephanie B**, Benjamin Aiken, Jennifer Caraway Deese, and Annelies van Rie. "Mathematical modeling of climate change and vector-borne disease expansion in Africa". Fondation Merieux expert meeting on climate change and public health in Annecy, France (November, 2008)
38. **Wheeler, Stephanie B**, and Andrea K Biddle. "Comparative cost-effectiveness of reversible family planning methods following emergency contraception use in the Medicaid population". 136th annual meeting of the American Public Health Association (APHA) in San Diego, CA (October, 2008)
39. **Wheeler, Stephanie B**, and Chelsea Morroni. "Knowledge, attitudes, and intentions of future health care providers regarding termination of pregnancy (TOP) services in South Africa". Marie Stopes International Conference on Global Safe Abortion in London, England (October, 2007)

Invited, oral presentations to external audiences (all presented by Dr. Wheeler)

1. **Wheeler, Stephanie B**. "Financial toxicity: the neglected side effect in cancer". Thriving Together: Living with Metastatic Breast Cancer Luncheon. North Carolina Governor Roy Cooper's Mansion (April 2017)
2. **Wheeler, Stephanie B**. "The Carolina Cancer Screening Initiative". North Carolina Colorectal Cancer Roundtable Meeting (March 2017)

3. **Wheeler, Stephanie B.** “Financial vulnerability in breast cancer patients”. American Society for Preventive Oncology Annual Meeting (March 2017)
4. **Wheeler, Stephanie B.** “Academic Public Health’s Role in Advancing Cancer Prevention”. Association of Schools and Programs of Public Health Annual Meeting (March 2017)
5. **Wheeler, Stephanie B.** “Overview of the Geographic Management of Cancer Health Disparities Program (GMaP), Region 1 South. Cancer Health Disparities Symposium (March 2017)
6. **Wheeler, Stephanie B.** “Saving lives, containing costs” Colorectal cancer screening in North Carolina”. Presented to members of the North Carolina Legislature (January 2017)
7. **Wheeler, Stephanie B.** “Cost Modeling at the Local Level”. National Colorectal Cancer Roundtable Meeting (November 2016)
8. **Wheeler, Stephanie B.** “Unspoken: Communication-related challenges in cost and medication adherence among vulnerable breast cancer patients”. Hutchinson Institute Cancer Outcomes Research seminar (September 2016)
9. **Wheeler, Stephanie B.** “Health disparities and cancer outcomes”. UNC Cancer Network (September 2016)
10. **Wheeler, Stephanie B.** “Ignite Speaker”, Disparities in Cancer Care session. Vice President Joe Biden’s Cancer Moonshot Summit (June 2016)
11. **Wheeler, Stephanie B.** “Using systems science and implementation science to improve cancer care delivery”. Duke University Hematology Oncology Grand Rounds (June 2016)
12. **Wheeler, Stephanie B.** and Melinda Davis. “Modeling evidence-based interventions impact”. Cancer Prevention and Control Research Network (CPCRN) Annual Meeting (May 2016)
13. **Wheeler, Stephanie B.** and Douglas Post. “Comparative effectiveness trial of Motivational Interviewing versus mobile technology to improve endocrine therapy adherence “. Alliance for Clinical Trials in Oncology, Disparities Workgroup (May 2016)
14. **Wheeler, Stephanie B.** “Value of Information (VOI) Analysis”. Centers for Disease Control and Prevention Methods Workshop (April 2016)
15. **Wheeler, Stephanie B.** “The power of decision analytic modeling methods, with an example from gynecologic surgery”. Center for Surgery and Public Health (CSPH) at Brigham and Women’s Hospital and Harvard Medical School (HMS) Surgical Health Services Researchers Speakers Series (March 2016)
16. **Wheeler, Stephanie B.** “Optimizing endocrine therapy use to reduce breast cancer disparities“. Massachusetts General Hospital Cancer Center Multidisciplinary Breast Rounds (March 2016)
17. **Wheeler, Stephanie B.** Cancer Expert Roundtable Panelist with Vice President Joe Biden as part of the White House’s Cancer Moonshot Initiative. Duke University (February 2016)
18. **Wheeler, Stephanie B.** “Full Speed Ahead: Gaining Momentum in the Fight against Cancer in North Carolina”. North Carolina Public Health Association Semi-annual Meeting (September 2015)
19. **Wheeler, Stephanie B.** “Harnessing the power of story-telling to improve cancer control practice”. National Cancer Institute Research-to-Reality (R2R) Cyber-seminar (July 2015)
20. **Wheeler, Stephanie B.** “Opportunities for colorectal cancer screening simulation”. Cancer Prevention and Control Research Network (CPCRN) Annual Meeting (May 2015)
21. **Wheeler, Stephanie B.** “Race and endocrine therapy adherence in breast cancer: Missing links and opportunities”. Duke University Cancer Control Seminar Series (September 2014)

22. **Wheeler, Stephanie B** and Michael P Pignone. "Using simulation modeling to compare alternatives for colon cancer screening promotion for North Carolina". Centers for Disease Control and Prevention, Division of Cancer Prevention and Control (DCPC) Seminar (May 2014)
23. **Wheeler, Stephanie B**. "Improving endocrine therapy utilization in racially diverse populations". Carolina Community Network (CCN II) Annual Center Meeting, the Solution Center, Durham, NC (May 2013)
24. **Wheeler, Stephanie B**. "Opportunities for colorectal cancer screening research". National Rural Electric Cooperative Association (NRECA) Clinical Advisory Board Meeting in Arlington, VA (January 2013)
25. **Wheeler, Stephanie B**. "Using behavioral economics to improve colorectal cancer screening in disadvantaged communities". Cancer Prevention and Control Research Network (CPCRN) Steering Committee Meeting (November 2012)
26. **Wheeler, Stephanie B**. "Comprehensive Cancer Control Collaborative of North Carolina: Feasible Intervention Strategies for Improving Survivorship Care". Old North State Medical Society and the National Medical Association 125th Annual Meeting and Scientific Assembly in Raleigh, NC (June 2012)
27. **Wheeler, Stephanie B**. "Meeting the needs of breast cancer survivors in North Carolina: The role of the Medicaid medical home model". Community Care of North Carolina (CCNC) Clinical Directors Meeting in Raleigh, NC (June 2012)
28. **Wheeler, Stephanie B**. "Regional variation in colorectal cancer screening in North Carolina". Centers for Disease Control and Prevention (CDC), Division of Cancer Prevention and Control in Atlanta, GA (May 2012)
29. **Wheeler, Stephanie B**. "Meeting the needs of breast cancer survivors in North Carolina: The role of the Medicaid medical home model". North Carolina HealthNet Collaborative Networks Meeting in Winston-Salem (May 2012)
30. **Wheeler, Stephanie B**. "Breast cancer disparities". National Rural Electric Cooperative Association (NRECA) Clinical Advisory Board Meeting in Arlington, VA (October 2011)

TEACHING ACTIVITIES:

Full courses

January 2017-May 2017. Health Policy and Management HPM 769 "Cancer outcomes research seminar" (graduate course, 9 students), **University of North Carolina at Chapel Hill**

August 2016-December 2016. Health Policy and Management. HPM 772 "Techniques for the economic evaluation of health care" (graduate course, 40 students), **University of North Carolina at Chapel Hill**

August 2016-December 2016. Health Policy and Management HPM 769 "Cancer outcomes research seminar" (graduate course, 10 students), **University of North Carolina at Chapel Hill**

July 2016-August 2016. Honors College. HONS 382 "Global perspectives on poverty, inequality, and vulnerability" (undergraduate Honors course, 4 students, with Dr. Melissa Siegel), **the College of Charleston**

January 2016-May 2016. Health Policy and Management HPM 769 "Cancer outcomes research seminar" (graduate course, 10 students), **University of North Carolina at Chapel Hill**

August 2015-December 2015. Health Policy and Management. HPM 772 "Techniques for the economic evaluation of health care" (graduate course, 40 students), **University of North Carolina at Chapel Hill**

August 2015-December 2015. Health Policy and Management HPM 890-006 "Cancer outcomes research seminar" (graduate course, 12 students), **University of North Carolina at Chapel Hill**

July 2015-August 2015. Honors College HONS 382 "Global perspectives on poverty, inequality, and vulnerability" (undergraduate Honors course, 9 students, with Dr. Melissa Siegel), **the College of Charleston**

August 2014-December 2014. Health Policy and Management. HPM 772 “Techniques for the economic evaluation of health care” (graduate course, 38 students), **University of North Carolina at Chapel Hill**

July 2014-August 2014. Honors College, HONS 391 “Global perspectives on poverty, inequality, and vulnerability” (undergraduate Honors course, 9 students, with Dr. Melissa Siegel), **the College of Charleston**

December 2013-May 2014. Health Policy and Management. HPM 779 “Advanced analytics and operations research” (graduate course, 65 students), **University of North Carolina at Chapel Hill**

December 2012-May 2013. Health Policy and Management. HPM 779 “Advanced analytics and operations research” (graduate course, 43 students), **University of North Carolina at Chapel Hill**

January 2011-April 2011. Health Policy and Management. HPM 770 “Introduction to operations research for healthcare systems” (graduate course, 55 students, with Dr. Kristen Hassmiller Lich), **University of North Carolina at Chapel Hill**

August 2008-December 2008. Teaching Assistant, Health Policy and Management. HPM 772 “Techniques for the economic evaluation of health care” (graduate course, 30 students, taught by Dr. Andrea Biddle), **University of North Carolina at Chapel Hill**

July 2007-August 2007. Biometry, Biostatistics and Epidemiology. “Introduction to decision analytical modeling” (graduate course, 37 students, with Dr. Kit Simpson), **Medical University of South Carolina,**

Guest lectures and seminars

January 2017. Presented “Effective writing” to the Health Policy and Management undergraduate course HPM 352 “Introduction of Health Services Systems” (taught by Dr. Becky Slifkin), **University of North Carolina at Chapel Hill**

November 2016. Presented “Overcoming treatment barriers in breast cancer” to the Health Behavior graduate course HBEH 765 Cancer Prevention and Control Research (taught by Dr. Jo Anne Earp), **University of North Carolina at Chapel Hill**

November 2016. Presented “Introduction to Cost-Effectiveness Analysis” to the Health Behavior graduate course HBEH 752 “Public Health Intervention and Evaluation” (taught by Dr. Vivian Go), **University of North Carolina at Chapel Hill**

October 2016. Presented “Using systems science and implementation science to improve cancer care delivery” to the Health Policy and Management graduate course HPM 873 “Health Services Research Seminar” (taught by Dr. Daniel Lee), **University of North Carolina at Chapel Hill**

September 2016 (and September 2015). Presented “Overcoming Barriers to Receipt of Recommended Treatment” to the Health Policy and Management graduate course HPM 866 “Making Equity a Priority in Cancer Care Quality” (taught by Dr. Cleo Samuel), **University of North Carolina at Chapel Hill**

April 2016. Presented “Measuring costs for economic evaluation” to the Epidemiology graduate course EPID 803 “Clinical Research Skills” (taught by Dr. William Miller), **University of North Carolina at Chapel Hill**

September 2015. Presented “Falling through the cracks: CRC screening in vulnerable populations” to the Cancer Outcomes Research Seminar, Lineberger Comprehensive Cancer Center, **University of North Carolina at Chapel Hill**

September 2016 (and September 2013, 2014, 2015, and January 2012). Presented “Principles of effective writing” to the Health Policy and Management graduate course HPM 874 “Advanced research seminar” (taught by Dr. Morris Weinberger), **University of North Carolina at Chapel Hill**

February 2015 (and January 2014, 2013 and February 2012). Presented “Decision science tools for comparative effectiveness research” to the Health Policy and Management graduate course HPM 781 and HPM 496

“Comparative effectiveness research” (taught by Dr. Morris Weinberger and Dr. Sally Stearns), **University of North Carolina at Chapel Hill**

January 2015. Presented “Optimizing colorectal cancer screening in underserved populations: A behavioral economics perspective” to the Gastrointestinal Epidemiology Seminar (organized by Dr. Robert Sandler), **University of North Carolina at Chapel Hill**

December 2014. Presented “Intro to Simulation Modeling and Decision Analysis” to the Obstetrics and Gynecology Seminar (organized by Dr. Gretchen Stuart), **University of North Carolina at Chapel Hill**

October 2014. Presented “Endocrine therapy adherence in breast cancer” to the Health Care Quality and Patient Outcomes Seminar (organized by Dr. Barbara Mark), **University of North Carolina at Chapel Hill**

October 2014. Presented “Endocrine therapy adherence in breast cancer: Missing links and opportunities” to the Health Policy and Management graduate course HPM 873 “Doctoral seminar” (taught by Dr. Antonia Bennett), **University of North Carolina at Chapel Hill**

September 2014. Presented “Disparities in breast cancer care quality and outcomes” to the UNC MD-PHD Seminar (organized by Dr. Eugene Orringer), **University of North Carolina at Chapel Hill**

September 2014. Presented “Qualitative Research Methods” as a panelist to the Health Policy and Management graduate course HPM 886 “Advanced Health Services Research Methods” (taught by Dr. Sally Stearns), **University of North Carolina at Chapel Hill**

September 2014. Presented “Disparities in breast cancer care quality and outcomes” to the Epidemiology graduate course HPM 799 “Social Epidemiology Seminar” (taught by Dr. Whitney Robinson), **University of North Carolina at Chapel Hill**

August 2014 (and August 2013, 2012, and 2011). Presented “Principles of effective writing” (4-hour seminar workshop) to the Health Policy and Management Executive Masters Program Orientation (organized by Dr. Jim Porto), **University of North Carolina at Chapel Hill**

March 2014. Presented “Race and endocrine therapy adherence in breast cancer: Missing links and opportunities” to the Cancer Outcomes Research Program Breakfast, Lineberger Comprehensive Cancer Center (organized by Dr. Ethan Basch), **University of North Carolina at Chapel Hill**

June 2014. Presented “Colorectal cancer screening decision making in vulnerable North Carolina populations” to the UNC Cancer Prevention and Control Program Meeting, Lineberger Comprehensive Cancer Center (organized by Dr. Kurt Ribisl), **University of North Carolina at Chapel Hill**

September 2013 (and October 2012, 2011 and November 2010). Presented “Introduction to mathematical modeling for infectious diseases: Pros and cons of universal HIV test and treat programs” to the Epidemiology graduate course EPID 753 “Infectious diseases at the community level” (taught by Dr. Peter Leone), **University of North Carolina at Chapel Hill**

May 2013. Presented “Understanding and improving quality of cancer care in diverse underserved populations” at the Lineberger Comprehensive Cancer Center 2013 Scientific Retreat (organized by Dr. Michael O’Malley), **University of North Carolina at Chapel Hill**

April 2013. Presented “Introduction to discrete event simulation (DES)” with Dr. Maria Mayorga (NC State University) to the Health Policy and Management graduate course HPM 890 “Advanced Modeling” (taught by Dr. Andrea Biddle), **University of North Carolina at Chapel Hill**

March 2013 (and February 2012). Presented “The role of health system structure and organization in determining cancer care quality across diverse populations” to the Health Policy and Management graduate course HPM 768 “Informed decision making in cancer care” (taught by Dr. Bryce Reeve), **University of North Carolina at Chapel Hill**

March 2013. Presented "Health care access and disparities" to the Epidemiology graduate course EPID 690 "Social epidemiology: concept and measures" (taught by Dr. Jim Thomas), **University of North Carolina at Chapel Hill**

November 2012. Presented "Writing effective scientific abstracts" to the Health Policy and Management graduate course HPM 874 "Advanced research seminar" (taught by Dr. Morris Weinberger), **University of North Carolina at Chapel Hill**

November 2012. Presented "Stories from Rwanda: Using qualitative methods to understand life with HIV/AIDS" to the Health Policy and Management graduate course HPM 873 "Doctoral seminar" (taught by Dr. Bryce Reeve), **University of North Carolina at Chapel Hill**

January 2012. Presented "Fixed effects and random effects models for studying multilevel and/or panel data" to the Epidemiology graduate course EPID 690 "Social epidemiology: analysis and interpretation" (taught by Dr. Whitney Robinson), **University of North Carolina at Chapel Hill**

November 2011. Presented "Meeting the needs of breast cancer survivors in North Carolina: The role of the Medicaid medical home model" to the Health Policy and Management graduate course HPM 873 "Doctoral seminar" (taught by Dr. Bryce Reeve), **University of North Carolina at Chapel Hill**

February 2011. Presented "Managing problem students and classroom conflict" to the Health Policy and Management graduate course HPM 871 "Doctoral teaching seminar" (taught by Dr. Bill Zelman), **University of North Carolina at Chapel Hill**

January 2011. Presented "Using cancer registry-linked-claims data to examine health system level correlates of breast cancer disparities" at the Lineberger Comprehensive Cancer Center, Outcomes Research Seminar Series (organized by Dr. Michael O'Malley), **University of North Carolina at Chapel Hill**

September 2010. Presented "Markov Models in Cost-effectiveness Analysis" to the Health Policy and Management graduate course HPM 772 "Techniques for the economic evaluation of health care" (taught by Dr. Andrea Biddle), **University of North Carolina at Chapel Hill**

November 2009. Presented "Another inconvenient truth: global relationships between health and wealth" in the Honors College Capstone course "Running in the human race: Rights, relations, and well-being worldwide" (taught by Dr. Trisha Folds-Bennett), **College of Charleston**

March 2009. Presented "Quality in breast cancer treatment: disparities and diffusion" to the Health Policy and Management HPM 873 "Doctoral seminar" (taught by Dr. George Pink), **University of North Carolina at Chapel Hill**

September 2008. Presented "Stories from Rwanda: sequences, templates, and narratives (STN) and the Prevention with Positives project" at **Family Health International (FHI)** in NC

June 2008. Presented series of guest lectures on epidemiology, biostatistics, and research design to graduate students enrolled in the course "Introduction to decision analytical modeling" (taught by Dr. Carol Lambourne), **Medical University of South Carolina, Charleston, SC**

June 2008. Presented series of guest lectures entitled "Economic evaluation and mathematical modeling" to graduate students enrolled in the Southeastern Pre-doctoral Training in Clinical Research (SPTCR) program (taught by Dr. Barbara Tilley), **Medical University of South Carolina, Charleston, SC**

May 2008. Presented "Research to practice in the real world: diffusion and scale-up of reproductive health innovations" at **Family Health International (FHI)**, Durham, NC

August 2006. Presented "Termination of pregnancy in South Africa" in the Honors College academic seminar series (organized by Dr. John Newell), **College of Charleston**

Student mentoring/advising: Doctoral dissertation committee chair

- Mihaela Georgieva, Health Policy and Management, PhD, UNC (**CHAIR**); *Appropriate use and value of surveillance among elderly patients with non-muscle-invasive bladder cancer*, In progress
- Alecia Slade, Health Policy and Management, PhD, UNC (**CHAIR**); *As the Gap Grows: Racial Disparities in Cancer Care Quality in the VA Health Care System*, In progress
- Daniel Erim, Health Policy and Management, PhD, UNC (**CHAIR**); *Title TBD*, In progress
- Whitney Fry, Health Policy and Management, DrPH, UNC (**CHAIR**); *Promoting positive male gender socialization among migrant male youth living in Kakuma Refugee Camp, Kenya: Applying Appreciative Inquiry to gender-based violence prevention efforts*; Graduated August 2016
- Sun Hee Rim, Health Policy and Management, PhD, UNC (**CHAIR**); *Ovarian cancer treatment decisions: Accessing gynecologic oncology care and patient-reported preferences for care*; Graduated May 2016
- Racquel Kelly Kohler, Health Policy and Management PhD, UNC (**CHAIR**); *Enhancing breast cancer early detection in Malawi; A Mixed Methods Study to Understand Knowledge and Preferences*, Graduated May 2015
- Megan Roberts, Health Policy and Management, PhD, UNC (**CO-CHAIR**); *Understanding racial variation in Oncotype DX testing*, Graduated May 2015

Student mentoring/advising: Doctoral dissertation committee member

- Olivia Dong, Pharmaceutical Outcomes and Policy, PhD, UNC: *Title TBD*, In progress
- Nirosha Lederer, Pharmaceutical Outcomes and Policy, PhD, UNC: *Optimizing Antiemetic Use in Patients Initiating Highly Emetogenic Intravenous Chemotherapy: Lessons Learned With Big Data and Modeling*, In progress
- Seri Anderson, Health Policy and Management, PhD, UNC: *Cost-effectiveness of improved communication of pregnancy risk and contraceptive information*, In progress
- Beth Schaffer, Health Policy and Management, PhD, UNC; *Engaging men in HIV testing in rural Uganda: Understanding the interplay of preferences and policy*, In progress
- Jamie Jarmul, Health Policy and Management PhD, UNC; *Clinical utility and cost-effectiveness of cardiovascular genetic risk testing for targeting statin therapy in primary prevention of cardiovascular disease*; Graduated May 2017
- Laura Pinheiro, Health Policy and Management PhD, UNC; *Racial variation in quality of life among breast cancer patients*; Graduated May 2017
- Louise Makau Barasa, Health Policy and Management DrPH, UNC; *How can access to cancer diagnosis and treatment be improved in Kenya?*; Graduated May 2016
- Danielle Durham, Epidemiology PhD, UNC; *Insurance type and diagnostic follow-up disparities in breast cancer screening*; Graduated May 2016
- Emily Smith, Epidemiology PhD, UNC; *Rapid HIV testing among breastfeeding, HIV exposed infants in Malawi: Test performance of two rapid tests during the breastfeeding period and cost-effectiveness of various early infant diagnosis strategies*; Graduated December 2015
- Marissa Seamans, Epidemiology PhD, UNC; *Household patterns of prescription opioid use in the U.S and associated risk of adverse events*; In progress
- Sarah Rutstein, Health Policy and Management PhD, UNC; *Optimizing HIV Therapy: Virological monitoring, adherence & cost-effectiveness*; Graduated May 2015
- Gift Kamanga, Health Policy and Management DrPH, UNC; *How best can HIV/AIDS policy be moved to successful implementation? Lessons from routine HIV testing of patients with sexually transmitted infections in Malawi*; Graduated December 2014
- Diana Chirovsky, Health Policy and Management PhD, UNC; *Clinical and economic evaluation of surveillance to detect patients with hepatocellular carcinoma in China*; Graduated May 2014
- Patti Pozella, Health Policy and Management DrPH, UNC; *Strategies for Increasing EGFR Mutation Testing of Patients with Non-Small Cell Lung Cancer*; Graduated May 2014
- Anne Butler, Epidemiology PhD, UNC; *The cancer burden and patterns of erythropoiesis-stimulating agent use among end-stage renal disease patients on hemodialysis*; Graduated May 2014
- Shellie Ellis, Health Policy and Management PhD, UNC; *Declining overuse of hormone replacement therapy for localized prostate cancer: Predictors of reimbursement responsiveness and emerging patterns of care*; Graduated December 2013
- Kerry Bruce, Health Policy and Management DrPH, UNC; *Use of Mobile Technology for Monitoring and Evaluation in International Health and Development Programs*; Graduated December 2013

- Alice Fortune-Greeley, Health Policy and Management PhD, UNC; *Comparative effectiveness and cost of preoperative breast MRI in elderly breast cancer patients*; Graduated May 2013
- Katie Kaney, Health Policy and Management DrPH, UNC; *Virtual Physician Care: How Can Its Use Be Accelerated?*; Graduated December 2012
- Laurel Clayton Trantham, Health Policy and Management PhD, UNC; *PSA surveillance following radical prostatectomy: What we know and why it matters*; Graduated May 2012
- Emily Weaver, Health Policy and Management PhD, UNC; *Contraceptive practice in Indonesia: Did the Village Midwife Program make a difference?*; Graduated December 2011

Student mentoring/advising: Masters paper reader

- Fiolna Dominika, MSPH Student, Health Policy and Management, UNC; In progress
- Jennifer Spencer, MSPH-PhD Student, Health Policy and Management, UNC; Graduated May 2016
- Rebecca Stephens, MSPH Student, Health Policy and Management, UNC; In progress
- Tom Basson, MSPH Student, Health Policy and Management, UNC; Graduated May 2015
- Maya Espada, MSPH Student, Health Policy and Management, UNC; Graduated May 2015
- Makenzie McIntosh, Health Policy and Management, UNC; Graduated May 2013
- Mysha Sissine, Health Policy and Management, UNC; Graduated May 2013
- Laura Houenou, Health Policy and Management, UNC; Graduated December 2012
- Van Nghiem, Health Policy and Management, UNC; Graduated August 2012
- Aditi Krishna, Health Policy and Management, UNC; Graduated May 2012
- Asiyah Mikell, Health Policy and Management, UNC; Graduated May 2012
- Natalie Gill, Health Policy and Management, UNC; Graduated May 2012
- Jacqueline Marks, Health Policy and Management, UNC; Graduated May 2012
- Natalie Pritchett, Health Policy and Management, UNC; Graduated May 2011
- Racquel Kelly Kohler, Health Policy and Management, UNC; Graduated May 2011

Student mentoring/advising: Undergraduate Honors thesis reader

- Robert Jungerwirth, Health Policy and Management, UNC; Graduated May 2012

Student mentoring/advising: Graduate research assistant (GRA)/research project supervisor

- Jason Rotter, PhD Student, Health Policy and Management, UNC
- Paul Shafer, PhD Student, Health Policy and Management, UNC
- Daniel Erim, PhD Student, Health Policy and Management, UNC
- Mihaela Georgieva, PhD Student, Health Policy and Management, UNC
- Todd Durham, PhD Student, Health Policy and Management, UNC; Graduated Aug 2016
- Emily Gillen, PhD Student, Health Policy and Management, UNC; Graduated May 2016
- Claire Lin, PhD Student, Health Policy and Management, UNC
- Jennifer Spencer, MSPH-PhD Student, Health Policy and Management, UNC
- Caitlin Murphy, PhD Student, Epidemiology, UNC; Graduated May 2016
- Danielle Durham, PhD Student, Epidemiology, UNC; Graduated May 2016
- Racquel Kelly Kohler, PhD Student, Health Policy and Management, UNC; Graduated May 2015
- Megan Roberts, PhD Student, Health Policy and Management, UNC; Graduated May 2015
- Maya Espada, MSPH Student, Health Policy and Management, UNC; Graduated May 2015
- Leah Zullig, PhD Student, Health Policy and Management, UNC; Graduated May 2013
- Robert Jungerwirth, BSPH Student, Health Policy and Management, UNC; Graduated May 2012

Student mentoring/advising: Academic advisor

- Anagha Gogate, PhD Student, Health Policy and Management, UNC
- Jennifer Spencer, PhD and MSPH Student, Health Policy and Management, UNC
- Jason Rotter, PhD Student, Health Policy and Management, UNC
- Daniel Erim, PhD Student, Health Policy and Management, UNC
- Mihaela Georgieva, PhD Student, Health Policy and Management, UNC
- Beth Schaffer, PhD Student, Health Policy and Management, UNC
- Antonia Caldwell, MSPH Student, Health Policy and Management, UNC
- Monica Bailey, MSPH Student, Health Policy and Management, UNC
- Jasmine Hutchinson, MSPH Student, Health Policy and Management, UNC

- Emily McClure, MSPH Student, Health Policy and Management, UNC
- Anna Siebers, MSPH Student, Health Policy and Management, UNC
- Jason Martin-Loverdi, MHA Student, Health Policy and Management, UNC
- Chinelo Okigbo, PhD Student, Maternal and Child Health, Minor Area Advisor, UNC
- Nirosha Mahendraratnam, PhD Student, Department of Pharmaceutical Outcomes and Policy, UNC

CONTRACTS and GRANTS:

Active

Not Assigned (Trogon) 4/1/17-3/31/20 5-10%
National Inst. of Health \$1,000,000 total

Cancer, Care Coordination, and Medication Use for Multiple Chronic Conditions

By investigating patterns of care coordination and medication use for multiple chronic conditions among older adults newly diagnosed with cancer, this study will identify gaps in medication use during cancer treatment and in the transition to survivorship. It will highlight the effects of policies, including the nation's largest medical home program, to improve the management of multiple chronic conditions among older, complex adults diagnosed with cancer.

Role: Co-I

5-R25-CA116339-08 (Basch/Reeve/Wheeler) 7/1/05-8/31/18 5-10%
National Cancer Institute (NCI) \$421,535 total

Cancer Care Quality Research Training Program

This program trains a cadre of clinician and non-clinician scientists at the pre-doctoral and post-doctoral level to work collaboratively in multidisciplinary teams to improve the quality of cancer care delivered across the cancer care continuum.

Role: PI

3P30CA138313 (Alberg) 9/1/15-3/31/19 10%
National Cancer Institute (NCI) \$339,909 total

"Cancer Center Support Grant Supplement: Geographic Management of Cancer Health Disparities Program"

This supplement is intended to enhance capacity in the areas of disparities research, underrepresented investigator/trainee recruitment and career/professional development, communication/dissemination, and evaluation as part of building region-based "hubs" for the support and efficient management of cancer health disparities (CHD) research, training and outreach. The goals of the GMaP initiative are to contribute to the science of cancer health disparities and promote the development of the next generation of competitive, underrepresented cancer and CHD investigators.

Role: UNC Site Program Director, Region I South

No Number (Wheeler/Rosenstein) 6/1/16-5/31/18 10%
National Comprehensive Cancer Network (NCCN)/Pfizer \$295,485 total

Independent Grants for Learning and Change (IGLC)

"Implementing and evaluating medication assistance programming in metastatic breast cancer"

Our overarching goal is to develop medication assistance programming that optimizes outcomes for MBC patients (MBCPs) and can be disseminated regionally and nationally. Our specific objectives are to: (1) assess medication needs and financial toxicity among MBCPs; (2) map the processes by which patients, their caregivers, and their providers attempt to access financial support; and (3) develop a rigorous implementation and evaluation plan for expanding a novel medication assistance program in the context of existing care coordination and navigation services.

Role: Co-PI

Developmental Research Award (Wheeler/Brenner) 1/1/16-12/31/17 5% *in kind*
Lineberger Comprehensive Cancer Center \$50,000 total

"Mailed reminders plus fecal immunochemical testing (FIT) to increase colorectal cancer screening among Medicaid beneficiaries in Mecklenburg County"

A partnership between the county health departments and the Community Care of North Carolina (CCNC) Network, which are regional branches of the state Medicaid quality improvement organization, provides promise for reaching unscreened adult Medicaid beneficiaries in North Carolina. Mecklenburg County is the most populous county in North Carolina and has some of the lowest CRC screening rates in the state. In this study, we test in a

randomized controlled trial setting the effectiveness, feasibility, and cost-effectiveness of a mailed reminder plus FIT screening program in a population of Medicaid enrollees in Mecklenburg County.

No salary support.

Role: Co-PI

No Number (Reeder-Hayes) 11/3/15-11/2/18 2.5%

Susan G. Komen Foundation

\$106,600

Molecular, Treatment and Behavioral Factors in Breast Cancer Race Disparities

This study is expected to identify the key drivers of racial variation in HR+ breast cancer outcomes, to improve our understanding of why women underutilize highly effective and non-toxic endocrine therapy, and to prioritize targets for a future intervention study to improve outcomes for AA women.

Role: Co-I

No Number (Zagar) 7/1/15-6/30/17 2.5% *in kind*

American Society for Therapeutic Radiology and Oncology \$100,000

“Comparative Effectiveness of Endocrine Therapy and Radiation Therapy Regimens for Elderly Breast Cancer Patients with Suboptimal Adherence”

This study examines the comparative effectiveness of endocrine therapy and radiation therapy, alone or in combination, for elderly patients with breast cancer, considering adherence behaviors. The study employs SEER-Medicare and North Carolina all-payer claims linked to state cancer registry data to understand outcomes of treatment to parameterize a simulation model to inform clinical practice.

Role: Co-I

1R01 CA183891-01A1 (Smith) 4/9/15-3/31/20 7-10%

National Institutes of Health (NIH)

\$3,012,099 total

“Effect of HPV Self-collection on Cervical Cancer Screening in High Risk Women”

This study employs a randomized controlled trial to investigate whether cervical cancer screening among under-screened women could be improved with testing for human papillomavirus (HPV) using at-home self-collection kits delivered by mail. This study further explores the cost-effectiveness of such an intervention.

Role: Co-I

U48 DP005017-SIP (Wheeler) 10/1/14-9/30/19 5-25%

CDC/National Cancer Institute (NCI)

\$1,350,000 direct

“Cancer Prevention and Control Research Network”

UNC is home to the Cancer Prevention and Control Research Network (CPCRN) coordinating center (PI: Wheeler) and to one of eight collaborating centers that comprise the network - the Comprehensive Cancer Control Collaboration, NC (4CNC; Leeman, PI). CPCRN centers undertake site-based and cross-site projects to accelerate the adoption and implementation of evidence-based cancer prevention and control interventions. In a sub-award supplement led by Dr. Wheeler, we also have received directed funding through the CPCRN to extend our research on the behavioral economics of colorectal cancer screening in underserved populations to understand, using our novel microsimulation model, how to optimize CRC screening by implementing evidence-based interventions/policies statewide in North Carolina and Oregon.

Variable salary support

Role: PI

MRSB-13-157-01-CPPB (Wheeler) 1/1/14-12/31/18 40-60%

American Cancer Society

\$727,000 total

“Improving Endocrine Therapy Utilization in Racially Diverse Populations”

This mentored research scholar grant provides support for Dr. Wheeler’s disparities-focused empirical research related to endocrine therapy use in breast cancer populations as well as formal mentoring and didactic training to enhance Dr. Wheeler’s career development.

Role: PI

Completed

No Number (Peppercorn) 7/1/12-06/30/16 0-20%

American Cancer Society (ACS) Grant

\$531,270 direct

“Impact of Benefits Structure and Outreach on Screening Mammography Utilization Rates: The NRECA Mammography Study”

This grant evaluates breast cancer screening practices and predictors in a primary rural population.

No salary support in Year 2.

Role: Co-I

CDC-SIP-11-041 (Wheeler/Pignone) 10/1/11-9/30/14 20%
Centers for Disease Control and Prevention \$829,294 total

Special Interest Project "Behavioral Economics of Colorectal Cancer Screening in Underserved Populations"

This study used cancer registry-linked-insurance claims data to identify underserved areas in North Carolina with relatively low CRC screening rates and high CRC mortality, and to examine characteristics of unscreened individuals in these regions. These regions were then targeted for discrete choice experiments to elicit preferences and understand barriers related to CRC screening in underserved communities. These data were combined into a decision support microsimulation model evaluating different strategies for increasing screening.

Role: Co-PI

No Number (Mayer/Rosenstein) 9/1/12-12/31/13 10% *in kind*
University Cancer Research Fund \$207,901 total

Health-e-NC Signature Initiative Grant "Improving survivorship care through enhanced communication and coordination"

This grant involved two integrated projects: Project 1 focused on development and evaluation of parallel patient and streamlined provider versions of personalized Survivorship Care Plans (SCP) for breast, colon, prostate, and lung cancer survivors; Project 2 focused on enhancing communication and coordination of care between oncology and primary care providers using the SCP and other identified communication tools.

No salary support.

Role: Co-I

Developmental Research Award (Wheeler) 7/1/12-12/31/13 20% *in kind*
Lineberger Comprehensive Cancer Center \$50,000 total

"Linking cohort study data with insurance claims to understand endocrine therapy initiation among breast cancer survivors"

This study assessed the feasibility and utility of linking Carolina Breast Cancer Study Wave III (CBCS-III) data to North Carolina (NC) Medicaid and Blue Cross Blue Shield (BCBS-NC) claims data for endocrine therapy analyses and assessed patient-level and provider-level barriers and facilitators of endocrine therapy initiation.

No salary support.

Role: PI

1-K-12 HS019468-01 (Weinberger) 7/1/10-6/30/13 95%
Agency for Healthcare Research & Quality \$450,000 estimated direct to Scholar

Mentored Clinical Scientists Comparative Effectiveness Development Award (K12)

The purpose of this research was to improve health outcomes by developing and disseminating evidence-based information to patients, clinicians, and other decision-makers, responding to their expressed needs, about which interventions are most effective for which patients under specific circumstances.

Role: Fellow

No Number (Lich/Bobashev) 3/1/12-2/28/13 5-10% *in kind*
NC TraCS Institute Pilot Grant \$50,000 total

"Using Systems Science Methods to Improve Colorectal Cancer Screening in North Carolina"

In this project we adapted a national (US) colorectal cancer screening model, developed by co-investigators at RTI International, to the North Carolina context.

No salary support.

Role: Co-I

No Number (Wheeler) 1/1/11-6/30/12 20% *in kind*
University Cancer Research Fund (UCRF) \$65,885 total

Health-e-NC Pilot Grant "Meeting the needs of cancer survivors in North Carolina: Assessing and improving the Medicaid medical home (MH) model"

This grant capitalized on Medicaid's use of the primary care medical home model in NC in examining health care utilization trends, adherence to surveillance guidelines, and health outcomes among low-income breast cancer survivors, in order to understand more clearly how the MH model can be used to improve cancer survivorship.

No salary support.

Role: PI

- No Number (Shea/Shea) 7/1/11-6/30/12 5% *in kind*
 University Cancer Research Fund (UCRF) \$77,426 total
 Health-e-NC Pilot Grant "Improving Care Quality with Virtual Tumor Boards Using Videoconferencing Technology"
 The Lineberger Comprehensive Cancer Center (LCCC) Telemedicine Program instituted Virtual Tumor Boards (VTB) in several cancer fields to improve quality of care and multidisciplinary communication between UNC and community-based physician participants from across North Carolina. This study analyzed processes, outcomes, and feasibility issues to inform future efficacy studies and guide program improvement and planning.
No salary support.
 Role: Co-I
- UL1RR025747 (Wheeler) 9/1/09-9/1/10 20% *in kind*
 NC TraCS Pilot Grant, UNC (Indiv. grant no. 2KR50906) \$2,000 total
 "Characteristics and determinants of innovation diffusion, adoption, and patient outcomes related to breast cancer disparities"
 This study collected and descriptively analyzed secondary data from SEER-Medicare with regard to diffusion of radiation therapy after breast conserving surgery and chemotherapy for hormone-receptor negative, breast cancers, with a focus on underserved racial/ethnic minorities.
No salary support.
 Role: PI
- S3665-25/26 PEP 2006-R-09 (Weiner) 9/30/09-9/30/10 10%
 Centers for Disease Control and Prevention (CDC) \$492,457 total
 "Breast cancer treatment patterns: Use of breast conserving surgery (BCS) without radiation therapy (RT) among Medicaid recipients with early stage breast cancer in North Carolina"
 This study used Medicaid claims data linked to the North Carolina Central Cancer Registry to examine whether previously documented disparities in receipt of RT after BCS persisted in more recent data and whether timing of initiation of treatment differed by sub-populations of interest.
 Role: Co-I
- 5-T-32 HS000032-20 (Carey) 9/1/08-5/7/10 100%
 Agency for Healthcare Research and Quality (AHRQ) \$62,000 estimated direct to Trainee
 National Research Service Award (NRSA) T-32 Pre-doctoral Traineeship at the Cecil G. Sheps Center for Health Services Research, UNC-CH.
 Doctoral Dissertation entitled "A closer look: health services organization, health disparities, and receipt of high quality breast cancer treatment". This study examined the role that health services characteristics and distance to care play in determining receipt of high quality breast cancer treatment among underserved populations.
 Role: Pre-doctoral Trainee
- No Number (Wheeler) 8/20/07-8/20/08 100%
 Family Health International Pre-doctoral Fellowship \$30,000 estimated direct to Trainee
 As a research fellow, worked on various internal contracts and projects, including "Community-based provision of injectable contraceptives in Madagascar: Task shifting to expand access to injectable contraceptives in rural sub-Saharan Africa" and "Stories from Rwanda: sequences, templates, and narratives (STN) and the Prevention with Positives project".
 Role: Fellow
- No Number (Wheeler) 5/1/07-8/20/07 N/A
 CV Starr International Research Grant \$6,000 total
 Center for Global Initiatives and Malawi Summer Institute, Office of Global Health, UNC-CH.
 "Malawi Children's Village (MCV): a programmatic evaluation of clinic services" in Mangochi, Malawi.
 Role: Scholar
- No Number (Wheeler) 1/1/04-5/1/06 100%
 Rotary International Ambassadorial Fellowship \$25,000 total
 Masters Thesis entitled "Knowledge, attitudes and intentions of future health care providers regarding termination of pregnancy (TOP) services in South Africa". This study involved collecting primary survey data from 1300

medical students at two universities in South Africa to examine knowledge, attitudes, training, and future practice intentions with respect to reproductive health care provision.

Role: Scholar

SERVICE:

Department, School, and University service

Health Policy and Management PhD Advisory Committee (2007-current)

Health Policy and Management, Wrote/graded Decision Sciences Comprehensive Exam (2011-current)

Health Policy and Management Strategic Planning Committee (2015-current)

Health Policy and Management Health Informatics Faculty Search Committee (2015-2016)

Health Policy and Management Fixed Term Teaching Faculty Search Committee (2014-2015)

Health Policy and Management and Epidemiology Joint Informatics Faculty Search Committee (2013-2014)

Health Policy and Management Analytic Methods Redesign Committee (2013)

Health Policy and Management Diversity and Inclusion Committee (2010-2013)

Lineberger Cancer Outcomes Research Program Breakfast Seminar Series Co-Host/Organizer (2012-current)

Lineberger Integrated Cancer Information and Surveillance System (ICISS) Steering Committee (2010-current)

Lineberger Cancer Outcomes Research Program Travel Award Committee (2014-current)

Lineberger Developmental Award Population Sciences Study Section Reviewer (2013-current)

Lineberger Marci Kramish Campbell Dissertation Award Reviewer (2015)

Lineberger Comprehensive Cancer Center Health Economics Faculty Search Committee (2013)

Lineberger Comprehensive Cancer Center Patient Reported Outcomes Faculty Search Committee (2013)

Lineberger Comprehensive Cancer Center ICISS Analyst Search Committee (2012, 2016)

Maternal and Child Health, Wrote/graded Health Policy Minor Comprehensive Exam (2013)

Biomedical and Public Health Informatics Masters Program Admissions Committee (2014-2015)

Professional service

North Carolina Colorectal Cancer Roundtable Steering Committee Member (2017-current)

American Cancer Society Study Section Reviewer, ad hoc, Health Policy and Health Services Research Committee (CPHPS) (2017)

NIH Study Section Reviewer, ad hoc, Health Services Organization and Delivery (HSOD) (2016)

Invited journal article reviewer (2010-current): *JAMA*, *Cancer*, *Medical Care*, *Journal of Clinical Oncology*, *Journal of Oncology Practice*, *Journal of Adolescent Health*, *Cancer Causes and Control*, *Breast Cancer Research and Treatment*, *Women's Health Issues*, *Journal of Women's Health*, *BMC Health Services Research*, *Health Policy and Planning*, *PLOS One*, *World Medical and Health Policy*, *Breast Cancer Targets and Therapy*, *American Journal of Preventive Medicine*, *Preventive Medicine*

GMaP Annual Cancer Disparities Symposium Co-Organizer/Co-Host (2016-current)

Alliance Clinical Trials in Oncology Network Cancer Disparities Committee (2015-current)

American Association for Cancer Research (AACR) Annual Meeting Scientific Program Committee (2016-2017)

AcademyHealth, Annual Research Meeting Patient Centered Outcomes Research Abstract Reviewer (2014)

American Public Health Association (APHA), Epidemiology Abstract Reviewer (2008-2013)

Society for Medical Decision Making, abstract reviewer (2010-current)

Faculty engagement

American Cancer Society, Triangle Leadership Council Member (2016-current)

Chapel Hill Cooperative Preschool, Volunteer (2016-current)

Community Nutrition Partnership (CNP), Chapel Hill NC, Board Chair (2013-2014); Board Member (2009-2014)

Family Health International (FHI), Volunteer (information sessions; unpaid research) (2008-2011)

Malawi Children's Village, Volunteer/Intern (orphanage assistance; unpaid research) (2007)

Rotary International (RI) Ambassadorial Scholar (informational presentations; site visits) (2004-2006)

Yabonga Children's HIV/AIDS Project, Volunteer/Intern (2004)

SKILLS and COMPETENCIES:

Insurance claims data analysis, including linked datasets (e.g., SEER-Medicare): Proficient

- Special Training: National Cancer Institute's 2-day SEER-Medicare Training (2009)

Stata (preferred quantitative software): Proficient

SAS: Basic

Qualitative research study design and analysis: Proficient

- Special Training: ResearchTalk's week-long Qualitative Research Summer Intensive (2012)

Atlas.ti (preferred qualitative software): Proficient

MAXQDA: Basic

Crystal Ball and Microsoft Excel (preferred mathematical modeling software): Proficient

EndNote and RefWorks bibliography management software: Proficient

Sawtooth Software (and conjoint analysis methodology): Basic

- Special Training: Sheps Center Decision Support Lab Conjoint Analysis Training (2011)

Other mathematical modeling software, including Arena, TreeAge: Basic

Foreign Language (French): Basic