

# Jennifer C. Spencer

## Curriculum Vitae

Center for Health Decision Sciences  
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Boston, MA 02115

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### EDUCATION

- 2019 PhD Health Policy and Management  
Gillings School of Global Public Health, University of North Carolina at Chapel Hill  
Dissertation Title: *HPV Vaccination as a Mechanism to Reduce Socioeconomic Disparities in Cancer Prevention.*  
Chair: Dr. Stephanie Wheeler
- 2016 MSPH Health Policy and Management  
Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2009 B.S. Zoology  
North Carolina State University, Raleigh, NC

### PROFESSIONAL EXPERIENCE

- 2019 Postdoctoral Fellow- Training in Oncology Population Sciences Program  
Center for Health Decision Sciences  
Harvard TH Chan School of Public Health, Boston MA
- 2017 Predoctoral Fellow- Cancer Care Quality Training Program  
Lineberger Comprehensive Cancer Center  
University of North Carolina at Chapel Hill, NC

### HONORS AND AWARDS

- 2019 Best Oral Presentation, Dana Farber/Harvard Cancer Center Celebration of Early Career Researchers
- 2019 Inductee, Delta Omega Honorary Society in Public Health- Theta Chapter
- 2018 Finalist, *Three Minute Thesis Competition*, UNC Graduate School
- 2018 American Association of Cancer Research Scholar-in-Training Awards, NCI Center to Reduce Cancer Health Disparities
- 2018 Marci Kramish Campbell Dissertation Award Supporting Research Excellence in Cancer and the Population Sciences, Lineberger Comprehensive Cancer Center
- 2018 Harry T. Philips Award for Outstanding Teaching by a Doctoral Student, Health Policy and Management, University of North Carolina at Chapel Hill
- 2017 Cancer Outcomes Travel Award, Cancer Outcomes Research Program, Lineberger Comprehensive Cancer Center

- 2017 Future Faculty Fellow. Center for Faculty Excellence, University of North Carolina at Chapel Hill, NC
- 2018 First Place Poster Award: *Population Health Category*, Lineberger Comprehensive Cancer Center Annual Retreat.
- 2017 First Place: *Cancer Communication Poster- Research Category*, Center for Disease Control National Cancer Conference, Atlanta GA.
- 2017 Student Travel Award, Geographic Management of Cancer Disparities Program (GMaP) Region 1-South
- 2017 Selected Participant, Communicating Science Workshop (ComSciCon) Triangle, Durham NC
- 2016 Trainee Scholarship, Patient Center Outcomes Research Institute, Annual Meeting
- 2016 Finalist: *Presenting Research in Compelling Ways- Student Competition*, AcademyHealth Annual Research Meeting

### PEER-REVIEWED PUBLICATIONS

1. **Spencer JC**, Brewer NT, Trogdon JG, Weinberger M, Coyne-Beasley T, Wheeler SB. (2020) “Cost Effectiveness of Interventions to Increase HPV Vaccine Uptake”. *Pediatrics*. *Accepted*
2. **Spencer JC**, Reeve BB, Troester MA, Wheeler SW. (2020) Factors Associated With Endocrine Therapy Non-Adherence in the Carolina Breast Cancer Study. *Psycho-Oncology*. 29 (4): 647-654. doi:10.1002/pon.5289
3. **Spencer JC**, Rotter JS, Eberth JM, Zahnd WE, Vanderpool RC, Ko LK, Davis MM, Troester MA, Olshan AF, Wheeler SB. (2020) Employment changes following breast cancer diagnosis: the effects of race and place. *JNCI: Journal of the National Cancer Institute*. 112(6):647-650. doi:10.1093/jnci/djz197
4. Samuel, CA, **Spencer JC**, Rosenstein DL, Reeder-Hayes KE, Manning ML, Sellers JB, Wheeler SB. (2020) "Racial differences in employment and cost-management behaviors in patients with metastatic breast cancer." *Breast Cancer Research and Treatment*. 179(1):207-215. doi:10.1007/s10549-019-05449-9
5. James, HJ, James TW, **Spencer, JC**, Wheeler, SB, Baron TH. (2019) Cost-Effectiveness of EUS-Directed Transgastric ERCP (EDGE) Compared to Device-Assisted Enteroscopy ERCP and Laparoscopic-Assisted ERCP in Patients with Roux-en-Y Anatomy. *Endoscopy*. 51(11):1051-1058. doi:10.1055/a-0938-3918
6. **Spencer JC**, Gertner A, Silberman PJ. (2019) Health Status and Access to Care for the North Carolina Medicaid Gap Population. *North Carolina Medical Journal*. 80(5); 269-275 doi:10.18043/ncm.80.5.269
7. **Spencer JC**, Calo W, Brewer NT. (2019) Racial Disparities and Reverse Disparities in HPV Vaccination: A Systematic Review and Meta-Analysis. *Preventive Medicine*. 123:197–203. doi: 10.1016/j.ypmed.2019.03.037.

8. Rotter JS, **Spencer JC**, Wheeler SB. (2019) Financial Toxicity in Advanced and Metastatic Cancer: Overburdened and Underprepared. *Journal of Oncology Practice*. 15(4):e300–e307. doi:10.1200/JOP.18.00518.
9. Rotter JS, **Spencer JC**, Wheeler SB. (2019) Can Cancer Care Costs Impact Quality of Life Outcomes for the Entire Household? *Psycho-Oncology*. 28(4):924–927. doi: 10.1002/pon.5006
10. Wheeler SB, **Spencer J**, Pinheiro LC, Murphy CC, Earp JA, Carey L, Olshan A, Tse CK, Bell ME, Weinberger M, Reeder-Hayes KE (2018) Endocrine Therapy Nonadherence and Discontinuation in Black and White Women. *J Natl Cancer Inst* 111:1–11. doi: 10.1093/jnci/djy136
11. **Spencer JC**, Brewer NT, Trogon JG, Wheeler SB, Dusetzina SB (2018) Predictors of Human Papillomavirus Vaccine Follow-Through Among Privately Insured US Patients. *Am J Public Health* 108:946–950. doi: 10.2105/AJPH.2018.304408
12. **Spencer JC**, Wheeler SB, Rotter JS, Holmes GM (2018) Decomposing Mortality Disparities in Urban and Rural U.S. Counties. *Health Serv Res* 53:4310–4331. doi: 10.1111/1475-6773.12982
13. Wheeler SB, **Spencer JC**, Pinheiro LC, Carey LA, Olshan AF, Reeder-Hayes KE (2018) Financial impact of breast cancer in black versus white women. *J Clin Oncol* 36:1695–1701. doi: 10.1200/JCO.2017.77.6310
14. **Spencer JC**, Samuel CA, Rosenstein DL, Reeder-Hayes KE, Manning ML, Sellers JB, Wheeler SB (2018) Oncology navigators' perceptions of cancer-related financial burden and financial assistance resources. *Support Care Cancer* 26:1315–1321. doi: 10.1007/s00520-017-3958-3
15. Wheeler SB, **Spencer J**, Rotter J (2018) Toward Value in Health Care: Perspectives, Priorities, and Policy. *N C Med J* 79:62–65. doi: 10.18043/ncm.79.1.62
16. **Spencer JC**, Louie M, Moulder JK, Ellis V, Schiff LD, Toubia T, Siedhoff MT, Wheeler SB (2017) Cost-effectiveness of treatments for heavy menstrual bleeding. *Am J Obstet Gynecol* 217:574.e1-574.e9. doi: 10.1016/J.AJOG.2017.07.024
17. Louie M, **Spencer J**, Wheeler S, Ellis V, Toubia T, Schiff LD, Siedhoff MT, Moulder JK (2017) Comparison of the levonorgestrel-releasing intrauterine system, hysterectomy, and endometrial ablation for heavy menstrual bleeding in a decision analysis model. *Int J Gynecol Obstet* 139:121–129. doi: 10.1002/ijgo.12293
18. **Spencer JC**, Wheeler SB (2016) A systematic review of Motivational Interviewing interventions in cancer patients and survivors. *Patient Educ Couns* 99:1099–1105. doi: 10.1016/j.pec.2016.02.003

## REFEREED ORAL PRESENTATIONS

1. **Spencer JC**, Campos NG, Burger EA, Sy S, Kim JJ. “Potential Effectiveness of a Therapeutic HPV Vaccine Campaign in Uganda”. Society for Medical Decision-Making Annual Meeting. Virtual Meeting. Oct 2020
2. **Spencer JC**, Brewer NT, Trogon JG, Weinberger M, Coyne-Beasley T, Wheeler SB. “Economic Evaluation of Strategies to Increase HPV Vaccination”. Celebration of Early Career Investigators. Dana Faber Cancer Center, Boston, MA. Nov. 2019

3. **Spencer JC**. “Creating a simulation model of HPV transmission to understand HPV cancer disparities” Harvard Postdoctoral Association Interdepartmental Symposium. Boston, MA. Oct. 2019
4. Samuel CA, **Spencer JC**, Manning ML, Rosenstein DL, Reeder-Hayes KE, Sellers JB, Wheeler SB. “Racial Differences in Financial Toxicity Among Metastatic Breast Cancer Patients”. AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. New Orleans, LA Nov. 2018.
5. Cruden GC, **Spencer JC**, Dong OG “Improving the Identification of Adolescent Depression through Primary Care Screening Approaches” Society for Medical Decision-Making Annual Meeting. Montreal QC, Canada. October, 2018
6. Wheeler SB, **Spencer JC**, Manning ML, Samuel CA, Reeder-Hayes KR, Sellers JB, Rosenstein DL “Cancer-related financial burden among metastatic breast cancer patients” American Society for Preventive Oncology Quality Care Symposium. Phoenix AZ. September, 2018
7. **Spencer JC**, Reeve BB Wheeler SW. “Reasons for Endocrine Therapy Non-Adherence in the Carolina Breast Cancer Study”. GMAp Region 1S Annual Cancer Health Disparities Symposium. Chapel Hill NC. March 2018.
8. **Spencer JC**, Wheeler SW, Holmes GM “Understanding Changes in Rural and Urban County Mortality from 1980 to 2010”. AcademyHealth Annual Research Meeting, Presenting Research in Compelling Ways Student Competition. June 2016.

#### REFEREED POSTER PRESENTATIONS

1. **Spencer JC**, Brewer NT, Trogdon JG, Weinberger M, Coyne-Beasley T, Wheeler SB. “Modeling the Long-term Implications of HPV Vaccination on Cervical Cancer Disparities in High- vs. Low-Poverty Counties” AcademyHealth Annual Research Meeting. Virtual Meeting. July 2020
2. **Spencer JC**, Brewer NT, Trogdon JG, Weinberger M, Coyne-Beasley T, Wheeler SB. “Economic Evaluation of Strategies to Increase HPV Vaccination”. Society for Medical Decision-Making Annual Meeting. Portland, OR. Oct. 2019
3. **Spencer JC**, Calo W, Brewer NT. “Racial Disparities and Reverse Disparities in HPV Vaccination: A Meta-Analysis”. AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. New Orleans, LA Nov. 2018.
4. **Spencer JC**, Manning ML, Rosenstein DL, Samuel CA, Reeder-Hayes KE, Sellers JB, Wheeler SB. “Health system stakeholder perceptions of financial assistance programs at a comprehensive cancer center” American Society for Clinical Oncology- Quality Care Symposium, Phoenix, AZ. Oct 2018.
5. Vulmiri M, Sanders G, Ubel P, Datta S, Wheeler SB, **Spencer JC**, Wong, C. “A Cost-Effectiveness Analysis of Medicaid Incentives for Smoking Cessation and Broader Implications for Evaluation of Healthy Behavior Incentives”. Society for Medical Decision Making Annual Meeting, Montreal, QC, Canada. October 2018
6. Du E, **Spencer JC**, Weissler MC, Bhisamjit SC. “Cost Comparison of Surveillance for HPV-positive vs. HPV-negative Oropharyngeal Cancer”. American Society of Clinical Oncology Annual Meeting, Chicago IL. June 2018

7. James, HJ, James TW, **Spencer, JC**, Wheeler, SB, Baron TH. “Cost-Effectiveness of EUS-Directed Transgastric ERCP (EDGE) Compared to Device-Assisted Enteroscopy ERCP and Laparoscopic-Assisted ERCP in Patients with Roux-en-Y Anatomy.” American Society for Gastrointestinal Endoscopy- Digestive Disease Week. Washington DC June, 2018.
8. **Spencer, JC**, Brewer, NT, Trogdon, JG, Wheeler, SB, & Dusetzina, SB. “Predictors of HPV Vaccine Follow-Through Among Privately Insured US Patients.” American Society for Preventive Oncology Annual Meeting, New York, NY. March 2018.
9. **Spencer JC**, Louie M, Moulder JK, Ellis V, Toubia T, Schiff LD, Siedhoff MR, Wheeler SB. “Cost effectiveness of treatments for heavy menstrual bleeding.” (2017) Society for Medical Decision Making Annual Meeting, Pittsburgh PA. October 2017.
10. **Spencer JC**, Pinheiro LC, Reeder-Hayes KE, Carey LA, Olshan AF, Wheeler SB. “Quality of Life Trajectories in Breast Cancer Patients Experiencing Financial Toxicity.” Center for Disease Control National Cancer Conference, Atlanta GA. August 2017.
11. Wheeler SB, **Spencer JC**, Pinheiro L, Carey, LA, Olshan AF, Reeder-Hayes KE “Racial Differences in the Financial Impact of Breast Cancer” American Society of Clinical Oncology Annual Meeting, Chicago IL. June 2017
12. **Spencer JC**, Pinheiro L, Reeder-Hayes KE, Wheeler SB “Short and Long-Term Impact of Financial Toxicity on Quality of Life in the Carolina Breast Cancer Study” American Society of Clinical Oncology Annual Meeting, Chicago IL. June 2017
13. **Spencer JC**, Wheeler SB, Pinheiro L, Carey, LA, Olshan AF, Reeder-Hayes KE “Racial and Ethnic Differences in the Financial Impact of Breast Cancer” GMAP Region 1S Annual Cancer Health Disparities Symposium, Charleston SC. March 2017
14. Louie M, **Spencer JC**, Wheeler SB, Ellis V, Toubia T, Schiff LD, Siedhoff MR, Moulder JK. (2017) “Levonorgestrel-releasing intrauterine device and hysterectomy outperform endometrial ablation for the treatment of heavy menstrual bleeding: a decision analysis.” 45<sup>th</sup> Global Congress of the American Association of Gynecologic Laparoscopists, Orlando FL. November 2016.

## INVITED ORAL PRESENTATIONS

1. **Spencer JC**. *Economic Evaluation of Interventions to Increase HPV Vaccine Uptake in the US*. Dana Farber/ Harvard Cancer Center Outcomes Research Seminar.
2. **Spencer JC**. *Cost effectiveness of treatments for heavy menstrual bleeding*. Applied Health Services Research Seminar, Texas A&M University (September 2018)
3. Sellers JB, **Spencer JC**, Muluneh B. *Managing Financial Toxicity When Facing Cancer*. Community Lunch and Learn, Lineberger Comprehensive Cancer Center. (September 2017)

## TEACHING ACTIVITIES

### *Courses*

- 2019 Teaching Fellow, Operations Research for Healthcare Systems (HPM 770) Health Policy and Management, University of North Carolina at Chapel Hill. Spring. 57 students

- 2018 Teaching Assistant, Techniques for the Economic Evaluation of Health Care (HPM 772) Health Policy and Management, University of North Carolina at Chapel Hill. *47 students*
- 2017 Teaching Assistant, Techniques for the Economic Evaluation of Health Care (HPM 772) Health Policy and Management, University of North Carolina at Chapel Hill. *45 students*

*Workshops*

- 2020 Co-Instructor, Introduction to Public Health Nanocourse, Harvard Medical School.
- 2019 Co-Instructor, R for Decision Science Modeling Workshop. International Society for Pharmacoeconomics and Outcome Research-UNC Chapter.
- 2019 Improv for Science Communication, ComSciCon Triangle (Durham, NC)
- 2018 Getting Comfortable with Being Uncomfortable: Improv for the Academic/ Workshop UNC Department of Biology Research Symposium

*Guest Lectures*

- 2020 Panel Discussion, Title: *Applying for an AHRQ R36 award*. HPM 994 “Doctoral Dissertation Development Seminar” University of North Carolina at Chapel Hill.
- 2017 *Cost-Effectiveness and Decision Modeling* HPM 715 “Health Economics” University of North Carolina at Chapel Hill.
- 2016 *Crossing The Streams: Lessons from Movie Science to Improve Communication* HPM 874, Advanced Research Seminar in Health Policy and Management, University of North Carolina at Chapel Hill.

**FUNDING**

*Active*

Cancer Disparities Pilot Award Spencer, Jennifer (PI)  
**Incorporating Sexual Minority Populations into HPV Transmission Modeling**  
 05/01/2020-04/30/2021

\$4,500

Geographic Disparities in Cancer Program (GMAP: Region 4)

The pilot funding will support data acquisition and analysis for describing and modeling sexual behavior and HPV transmission rates among sexual minority men in the US.

INV003063 Kim, Jane (PI)  
**Modeling Potential Impact of Pipeline Therapeutic HPV Products on Cervical Cancer in Uganda**  
 11/01/2019-10/31/2020

\$51,329

The Bill and Melinda Gates Foundation

The goal of this study is to better understand the potential impact of therapeutic HPV interventions and identify the ideal characteristics of a potential therapeutic to accelerate HPV control and elimination efforts. Role: Postdoctoral Fellow

T32 CA092203-17 Keating, Nancy; Schrag, Deborah (Co-PIs)  
 07/01/2019-07/21/2020

**Training in Oncology Population Sciences Program**

National Cancer Institute

The TOPS T-32 program will train postdoctoral fellows to conduct research at the T3 and T4 interface to translate knowledge from the lab into practice and population health to reduce the burden of cancer.

Role: Postdoctoral Fellow

***Completed***

T-32 CA116339-11

Bacsh, Ethan M; Wheeler, Stephanie (Co-PIs)

07/01/17-06/31/19

**Cancer Care Quality Research Training Program**

National Cancer Institute

This program will train 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: Predoctoral Fellow

**PROFESSIONAL SERVICE**

- 2020-present    President, Harvard TH Chan Postdoctoral Association
- 2017-present    Invited Referee: *Annals of Internal Medicine, American Journal of Preventive Medicine, American Journal of Public Health, Cancer, American Journal of Health Disparities, BMJ Open, Preventive Medicine, Psycho-Oncology, Vaccine, Journal of Oncology Practice, Annals of Behavioral Medicine, Integrative Cancer Therapies, Health and Place*
- 2019-2020    Communications Committee Chair, Harvard TH Chan Postdoctoral Association
- 2020    Abstract Reviewer, Society for Medical Decision-Making Annual Meeting
- 2020    Abstract Reviewer, AcademyHealth Annual Meeting, Disparities Interest Group
- 2019    Abstract Reviewer, Society for Medical Decision-Making Annual Meeting
- 2018    Abstract Reviewer, Society for Medical Decision-Making Annual Meeting
- 2017-2018    Session Chair & Discussant, MSPH and BSPH Thesis Oral Presentations, University of North Carolina at Chapel Hill
- 2017    Discussion Leader, Health Affairs Summer Reading Program, University of North Carolina at Chapel Hill
- 2017    Graduate and Professional Student Federation, Peer Mentor (2015-2016)
- 2015-2016    AcademyHealth, UNC Chapter, Treasurer

## **COMMUNITY ACTIVITIES**

- 2020 Volunteer Application Reviewer, “Grad Schooling While Black” Program
- 2018-2019 Visiting Scientist, Science Day: Culbreth Middle School, Carrboro NC
- 2016 Guest Presenter, Summer Accelerator Program, North Carolina School of Science and Math

## **PROFESSIONAL MEMBERSHIPS**

- 2019- Geographic Management of Cancer Disparities Program (GMAP) Region 4, Member
- 2018-2019 American Society for Preventive Oncology, Member
- 2017- Society for Medical Decision Making, Member
- 2017- American Association of Cancer Researchers, Member
- 2016-2019 Geographic Management of Cancer Disparities Program (GMAP) Region-1 South, Member
- 2014- AcademyHealth- National Chapter, Member Disparities Interest Group
- 2014-2018 AcademyHealth, UNC Chapter, Member