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PERSONAL

Research Interests

- Integration of engaged and participatory research with systems thinking and systems science
- Technology-based decision support research and intervention
- System influences on health and wellness in marginalized communities
- Simulation modeling and network analysis
- Social and physical environment influences on physical activity
- American Indian health disparities and health policy

Teaching Interests

- Engaged and participatory research
- Mixed methods research
- Network analysis and simulation methods for integrating and analyzing complex data
- Program planning and evaluation

EDUCATION

2014	Ph.D., University of Nebraska Medical Center, Omaha, NE Health Promotion and Disease Prevention Research Dissertation: Architecture and design for healthy eating in schools
2005	M.S., University of Iowa, Iowa City, IA Community and Behavioral Health
2003	B.S., Iowa State University, Ames, IA Community Health Education

PROFESSIONAL EXPERIENCE

2023-Present	Associate Director Center for Health Equity Research University of North Carolina at Chapel Hill
2022-Present	Associate Professor Department of Health Policy and Management School of Public Health, University of North Carolina (Chapel Hill, NC)
2016 – 2022	Assistant Professor Department of Health Policy and Management School of Public Health, University of North Carolina (Chapel Hill, NC)

- 2014 – 2016 Postdoctoral Research Associate
Center for Health Equity Research, University of North Carolina (Chapel Hill, NC)
- 2010 – 2014 Graduate Research Assistant
**University of Nebraska Medical Center, College of Public Health,
Department of Health Promotion, Social & Behavioral Health** (Omaha, NE)
- 2010 – 2013 Graduate Teaching Assistant
**University of Nebraska Medical Center, College of Public Health, Department of
Health Promotion, Social & Behavioral Health** (Omaha, NE)
- 2005 – 2010 Program Manager
**Aberdeen Area Tribal Chairmen’s Health Board, Northern Plains Comprehensive
Cancer Control Program** (Rapid City, SD)
- 2004 – 2005 Graduate Teaching Assistant
**University of Iowa, College of Public Health, Department of Community and
Behavioral Health** (Iowa City, IA)
- 2003 – 2005 Graduate Research Assistant
**University of Iowa, College of Public Health, Department of Community and
Behavioral Health** (Iowa City, IA)

HONORS

- 2024** Gilling School’s Research Excellence Award
- 2017-2019 Fellow, Mentored Training for Dissemination and Implementation in Research in Cancer. National Cancer Institute. St. Louis, MO.
- 2016 Systems Science Scholar, AcademyHealth
- 2016 Cancer Outcomes Research Program Travel Award, Lineberger Comprehensive Cancer Center
- 2013-2014 UNMC Graduate Studies Fellowship
- 2012 Carruth J. Wagner, MD, Scholarship in Public Health
- 2009-2010 Scholar, Great Plains Public Health Leadership Institute
- 2006 Health Communication Thesis Award, International/National Communication Association
- 2006 Milford E. Barnes Award Recipient, University of Iowa

MEMBERSHIPS

2015-present	AcademyHealth
2015-present	Society of Public Health Educators
2013-present	The System Dynamics Society
2013-present	American Public Health Association
2012-present	The Obesity Society

BIBLIOGRAPHY

Book Chapters

1. **Frerichs, L.**, Smith, N. (2020) Designing population health research grounded in complex systems science. In Y. Apostolopoulos, K. Hassmiller Lich, & M.K. Lemke, *Complex Systems and Population Health A Primer* (pp. 93-105). New York, NY: Oxford University Press.
2. Dela Cruz, MRI., Lee, NR, Clark, J., Jessen, C., Shegog, R., Duran, F., **Frerichs, L.**, Braun, K., Burhansstipanov, L. (2022) Successful Interventions that Improve Sexual Health in American Indian, Alaska Native and Native Hawaiian Communities. In L. Burhansstipanov & K. Braun (Eds.), *Indigenous Public Health: Improvement Through Community Engaged Interventions*, (pp. 125-146). University Press of Kentucky, Lexington, KY.

Peer-Reviewed Publications (Total=79, First Author=29, Senior Author=10)

*†Indicates student/trainee *Indicates shared first authorship*

1. Deutsch A, **Frerichs L**, Perry M†, Jalali M. (2024) Participatory modeling for high-complexity, multi-system issues: Recommendations for balancing qualitative understanding and quantitative questions. *System Dynamics Review*, approximate p. 1-48. <https://doi.org/10.1002/sdr.1765>
2. Maras S, McKelvy J, Milligan K, Kelley A, Lucas VA, Carr T, Osinuga A, **Frerichs L**, Dave G. (2024) How to Develop a Qualitative Evaluation Plan for a Complex National Intervention: Key Steps and Reflections from the RADx-UP Program. *The Qualitative Report*, 29(3): p. 705-721.
3. Deutsch A, **Frerichs L**, Hasgul Z, Murphey F, Coleman AK, Bachand AY, Bettelyoun A, Forney P, Tyon G, Jalali M. (2023) How funding policy maintains structural inequity within Indigenous community-based organizations. *Health Affairs*, 42(1): 1411-1419. Doi:10.1377/ hlthaff.2023.00483
4. Ravanbakht S, Skinner A, Armstrong S, Weinberger M, Hassmiller-Lich K, **Frerichs L**. (2023) Effects of Caregiver-Child Acculturation on Child Obesity Among US Latinos. *Obesity*, 31: 2103-2109.
5. Smith, NR, Hassmiller Lich, K, Ng, SW, Hall, MG, Trogon, JG, **Frerichs, L**. (2023). Implementation costs of sugary drink policies in the United States. *Journal of Public Health Policy*. doi: 10.1057/s41271-023-00435-4
6. Ferrari R, Leeman J, Brenner A, Correa S, Malo T, Moore A, O'Leary M, Randolph C, Ratner S, **Frerichs L**, Farr D, Crockett S, Rohweder C, Wheeler S, Hassmiller-Lich K, Beasley E, Bland A, Hogsed M, Newcomer M, Richardson C, Norton W, Reuland D. (2023) Implementation Strategies in the Exploration and Preparation Phases of a Colorectal Cancer Screening Intervention in Community Health Centers.

Submitted, Implementation Science Communications. *Implementation Science Communications*, 4, 118. <https://doi.org/10.1186/s43058-023-00485-5>

7. Ising A, † Waller A, **Frerichs L**. Evaluation of an emergency department visit data mental health dashboard (2023). *Journal of Public Health Management and Practice*, 29(3):369-376. doi: 10.1097/PHH.0000000000001727. Epub 2023 Mar 1.
8. Neshteruk C, Skinner A, Counts J, D'Agostino E, **Frerichs L**, Howard J, Story M, Armstrong S (2023). Translating knowledge into action for child obesity treatment in partnership with Parks and Recreation: study protocol for a hybrid type II trial. *Implementation Science*, 18(6): p.1-12, <https://doi.org/10.1186/s13012-023-01264-5>.
9. **Frerichs L**, Smith C, † Hoover S, Robinson-Ezkwe N, Khanna A, Ellerby B, Joyner L, Wynn M, Wrenn J, Stith D, Lindau S, Corbie G (2023). Comparative evaluation of two work experience approaches for predominantly Black youth in a rural community: implications for public health workforce development. *Journal of Public Health Management and Practice*, 29(1):p 21-32, doi: 10.1097/PHH.0000000000001661.
10. Smith C, † **Frerichs L**, Hoover S, Robinson-Ezekew3 N, Khanna A, Wynn M, Ellerby B, Joyne L, Tessler Lindau S, Corbie G. (2022). "If you're in a community together, then you're basically a family": Perceptions of community among an African-American/Black youth sample in a semi-rural region in the Southeastern United States. *Journal of Community Psychology*, p. 1-26. <https://doi.org/10.1002/jcop.22945>
11. Smith NR, † Grummon AH, Ng S, Towner Wright S, **Frerichs L** (2022). Simulation models of sugary drink policies: A scoping review. *PLOS One*, 17(10): e0275270. <https://doi.org/10.1371/journal.pone.0275270>
12. Deutsch A, Stout S, Jalali M, **Frerichs L** (2022). Equitable policies need equitable practices: Alcohol and substance-exposed pregnancy as a case study. *Health Promotion Practice*, doi: 10.1177/15248399221107605.
13. Smith NR, † Mazzucca S, Hal, MG, Hassmiller Lich K, Brownson RC, & **Frerichs L** (2022). Opportunities to improve policy dissemination by tailoring communication materials to the research priorities of legislators. *Implement Sci Commun* 3, 24. <https://doi.org/10.1186/s43058-022-00274-6>
14. O'Leary M, † Hassmiller Lich K, **Frerichs L**, Leeman J, Reuland D, Wheeler S. (2022). Extending analytic methods for economic evaluation in implementation science. *Implementation Science*, 17 (1), p. 1-19.
15. White M, Holliday K, Hoover S, Robinson-Ezekwe N, Williams A, **Frerichs L**, Bess K, Corbie-Smith G. (2021). The significant places of African American adults and their influence on cardiovascular health choices. *BMC Public Health*, 21(1), p. 1-12.
16. Baxter S, † Chung R, **Frerichs L**, Thorpe RJ, Skinner A, Weinberger M (2021). Racial residential segregation and race differences in ideal cardiovascular health among young men. *International Journal of Environmental Research and Public Health*, 18, 7755. <https://doi.org/10.3390/ijerph18157755>.
17. Grabert B, † Speizer I, Domino ME, **Frerichs L**, Corneli A, Fried B. (2021). Couple communication and contraception use in urban Senegal. *SAGE Open Medicine*, 9: 1-11.

<https://doi.org/10.1177/20503121211023378>

18. Malo T, Correa SY, Moore AA, Ferrari RM, Leeman J, Brenner AT, Wheeler SB, Tan X, Reuland D, Ratner S, **Frerichs L**, Hassmiller Lich K, Crockett S, Rohweder C, Farr DE, Richardson C, Erhard C, Beasley E, Hogsted M, Bland A (2021). Centralized colorectal cancer screening outreach and patient navigation for vulnerable populations in North Carolina: Study protocol for the SCORE randomized controlled trial. *Implementation Science Communications*, p. 1-12. <https://doi.org/10.1186/s43058-021-00194-x>
19. Haley A, † Powell BJ, Walsh-Bailey C, Gruss I, Krancari M, Shea C, Bunce A, Marino M, **Frerichs L**, Hassmiller Lich K, Gold R. (2021) Strengthening methods for tracking modifications to implementation strategies. *BMC Medical Research Methodology*, 21(133): 1-12. <https://doi.org/10.1186/s12874-021-01326-6>
20. Cruden G, † Brown CH, Lanier P, Zolotor A, **Frerichs L**, Powell B, Lich KH. (2021). Exploring clusters of risk and association with child maltreatment in North Carolina counties. *North Carolina Medical Journal*, 82(4): p. 229-238; DOI: 10,18043/ncm.82.4.229
21. Calancie L, **Frerichs L**, Davis M, Sullivan E, White AM, Cilenti D, Corbie-Smith G, Hassmiller Lich K. (2021) Consolidated Framework for Collaboration Research and a dynamic hypothesis of collaboration constructs derived from a systematic review of theories, models, frameworks and principles for cross-sector collaboration. *PLOS One*, 16(1): e0244501. <https://doi.org/10.1371/journal.pone.0244501>.
22. Burrell M, White AM, **Frerichs L**, Funchess M, Cerulli C, DiGiovanni L, Lich K. (2021) Depicting the system: How structural racism and disenfranchisement in the United States can cause dynamics in community violence among males in urban black communities. *Social Science and Medicine*, 272: 113469 doi: 10.1016/j.socscimed.2020.113469. Epub 2020 Nov 7.
23. Rosenfeld J, † Berggren R, **Frerichs L**. (2021) A review of the Community Health Club literature describing water, sanitation, and hygiene outcomes. *International Journal of Environmental Research and Public Health*, 18 18, 1880. <https://doi.org/10.3390/ijerph18041880>.
24. **Frerichs L**, Smith N, † Kuhlberg J, Mason G, † Jackson-Diop D, Stith D, Corbie-Smith G, Hassmiller Lich K. (2020) Novel participatory methods for co-building an agent-based model of physical activity with youth. *PLOS One*, 15(11): e0241108 <https://doi.org/10.1371/journal.pone.0241108>
25. Cruden G, † **Frerichs L**, Powell BJ, Lanier P, Hendricks Brown C, Hassmiller Lich K. (2020) Developing a Multi-Criteria Decision Analysis Tool to Support the Adoption of Evidence-Based Child Maltreatment Prevention Programs. *Prevention Science*, 21: 1059-2016.
26. Smith N, † Zivich P, † **Frerichs L**, Moody J, Aiello A. (2020) A guide for choosing community detection algorithms in social network studies: The Question-Alignment approach. *American Journal of Preventive Medicine*, 59(4): 597-605.
27. Smith N, † Grummon A, **Frerichs L**. (2020) Demographic groups likely affected by regulating sugar-sweetened beverage portion sizes. *American Journal of Preventive Medicine*, 59(3): e135-e139.

28. **Frerichs L**, Beasley C, Pevia K, Lowery J, Ferrari R, Bell R, Reuland D. (2020) Testing a culturally adapted colorectal cancer screening decision aid among American Indians: results from a pre-post trial. *Health Equity*, 4.1. doi: 10.1089/heq.2019.0095.
29. Pasquale E, Neshteruk C, Howard J, Skinner A, Story M, **Frerichs L**, Armstrong S. (2020). An integrated Clinic-Community Model to Treat Childhood Obesity: Revisiting 2 years later. *Clinical Pediatrics*, 59(12): 1092-1096.
30. Smith N, † Zivich P, † **Frerichs L**. (2020) Social influences on obesity: current knowledge, emerging methods, and directions for future research and practice, *Current Nutrition Reports*, 9: p. 31-41.
31. Powell W*, **Frerichs L***, Townsley R, Mayorga M, Richmond J, Corbie-Smith G, Wheeler S, Hassmiller Lich K. (2020) The potential impact of the Affordable Care Act and Medicaid expansion on reducing colorectal cancer screening disparities in African American males. *PLOS ONE*, 15(1): e0226942.
32. **Frerichs L**, Bess K, † Young TL, Hoover S, Calancie L, Wynn M, McFarlin S, Cene C, Dave G, Corbie-Smith C. (2020) A cluster randomized trial of a community-based lifestyle behavior change intervention among rural African American adults: effects on dietary and physical activity behaviors, self-efficacy, and social support. *Prevention Science*, 21: 344-354.
33. Hassmiller Lich K, O'Leary M, Nambiar S, Townsley R, Mayorga M, Hicklin K, **Frerichs L**, Shafer P, Davis M, Wheeler S. (2019) Estimating the impact of insurance expansion on colorectal cancer and related costs in North Carolina: a population-level simulation analysis. *Preventive Medicine*, 129S, 105847.
34. Grummon A, † Smith N †, Golden S, **Frerichs L**, Smith Taillie L, Brewer N. (2019) Health Warnings on Sugar-Sweetened Beverages: Simulation of Impacts on Diet and Obesity Among U.S. Adults. *American Journal of Preventive Medicine*, 57(6): 765-774.
35. Blette B, † Green Howard A, **Frerichs L**. (2019) High School Physical Activity and Nutrition Policy: Summarizing Changes Over Time Using Latent Class Analysis. *American Journal of Preventive Medicine*, 57(3): e69-e76.
36. Bess K, † **Frerichs L**, Young T, Corbie-Smith G, Dave G, Davis K, McFarlin S, Watson S, Wynn M, Wiley-Cene C. (2019) Adaptation of an evidence-based intervention to improve cardiovascular health among African Americans in the rural southeast using intervention mapping and a community based participatory research approach. *Progress in Community Health Partnerships*, 13(4): 385-396.
37. **Frerichs L**, Bell R, Hassmiller Lich K, Reuland D, Warne D. (2019) Regional differences across the US in health insurance coverage among American Indians and Alaska Natives before and after the implementation of the Affordable Care Act. *Health Affairs*, 38(9): 1542-1549.
38. Young TL, Carter-Edwards L, **Frerichs L**, Green M, Hassmiller-Lich K, Quarles E, Dave G, Corbie-Smith G. (2019) Action learning cohort series: an innovative community-engaged approach for translating research into practice. *Health Promotion Practice*, p 1-9. doi:10.1177/1524839919858592
39. **Frerichs L**, Araz O, Calancie L, Huang TTK, Hassmiller Lich K. (2019) Dynamic empirically-based model for understanding future trends in US obesity prevalence in the context of social influences. *Obesity*, 1-27. doi:10.1002/oby.22580.

- 40. Frerichs L**, Bell R, Hassmiller Lich K, Reuland D, Warne D. (2019) Health insurance coverage among American Indians and Alaska Natives in the context of the Affordable Care Act. *Ethnicity & Health*, p. 1-16. doi: 10.1080/13557858.2019.1625873.
- 41. Cené C, Frerichs L**, Evans J, Kroenke C, Dilworth-Anderson P, Corbie-Smith G, Snively B, Naughton M, Shumaker S. (2019) Feasibility and acceptability of collecting social network data among women in the Women's Health Initiative Study: Promise or a pitfall? *Journal of Aging Research*, 1-29.
- 42. Frerichs L**, Smith N, † Hassmiller Lich K, BenDor T, Evenson K. (2019) A scoping review of simulation modeling in built environment and physical activity research: current status, gaps, and future directions for improving translation. *Health & Place*, 57: 122-130.
- 43. Anderson S, † Frerichs L**, Kaysin A, Wheeler S, Tucker Halper C, Hassmiller Lich K. (2019) Effects of two educational posters' on contraceptive knowledge and intentions: A randomized controlled trial. *Obstetrics & Gynecology*, 133(1): 53-62. doi: 10.1097/AOG.0000000000003012.
- 44. Kim M, Cheney A, Black A, Thorpe RJ, Cene CD, Dave GJ, Schall J, Vassar S, Ruktanonchai C, Frerichs L**, Young T, Jones J, Burke J, Varma D, Striley C, Cottler L, Brown A, Sullivan G, Corbie-Smith G. (2019) Trust in Community-Engaged Research Partnerships: A Methodological Overview of Designing a Multisite Clinical and Translational Science Awards (CTSA) Initiative. *Evaluation & the Health Professions*, doi: 10.1177/0163278718819719. [Epub ahead of print].
- 45. Frerichs L**, Smith N, † Hoffman J, Gaskin K, Skinner A, Armstrong S. (2018) Weight-related quality of life and temperament as predictors and moderators of outcomes among treatment-seeking low-income, ethnically diverse children with obesity. *Translational Behavioral Medicine*, XX:XX-XX. doi:10.1093/tbm/iby115.
- 46. Frerichs L**, Young TL, Dave G, Stith D, Corbie-Smith G, Hassmiller Lich K. (2018) Mind maps and network analysis to evaluate conceptualization of complex issues: a case example evaluating systems science workshops for childhood obesity prevention. *Evaluation and Program Planning*, <https://doi.org/10.1016/j.evalprogplan.2018.03.003>.
- 47. Anderson S, † Barry M, Frerichs L**, Wheeler S, Tucker Halpern C, Kaysin A, Hassmiller Lich K. (2018) Cognitive interviews to improve a patient-centered contraceptive effectiveness poster. *Contraception*, 98(6); 528-534.
- 48. Dave G, Frerichs L**, Jones J, Kim M, Schaal J, Vassar S, Varma D, Striley C, Ruktanonchai C, Black A, Hankins J, Lovelady N, Cene C, Green M, Young T, Tiwari S, Cheney A, Cottler L, Sullivan G, Brown A, Burke J, Corbie-Smith G. (2018) Conceptualizing trust in community-academic research partnerships using concept mapping approach: a multi-CTSA study, *Evaluation and Program Planning*. 66: 70-78.
- 49. Frerichs L**, Rhode J, † Bell R, Brooks M, Beasley C, Reuland D. (2018) Perspectives of American Indians in Eastern North Carolina on socio-cultural factors that influence colorectal cancer screening decisions. *Journal of Healthcare for the Poor and Underserved*. 29:723-742.

50. Hoffman J, † **Frerichs L**, Story M, Jones J, Gaskin K, Apple A, Skinner A, Armstrong S. (2018) An integrated clinic-community partnership for child obesity treatment: A randomized pilot trial. *Pediatrics*. 141(1):e20171444.
51. Brittin J, Araz O, **Frerichs L**, Elijah-Barnwell S, Huang T. (2017) Complex systems thinking and multi-criteria decision modeling for outcomes-oriented building projects: Methodology and an illustration. *Journal of Architectural and Planning Research*. 34: 192-215.
52. Andrews M, † Sawyer C, Hoffman J, **Frerichs L**, Cockrell Skinner A, Armstrong S. (2017) The feasibility of a partnership between a clinical weight management program and Parks and Recreation to treat childhood obesity. *Clinical Pediatrics*, doi.org/10.1177/0009922817734359.
53. Brittin J, **Frerichs L**, Sirard J, Wells N, Myers B, Garcia J, Sorensen D, Trowbridge M, Huang TTK. (2017) Impact of active school design on school-time sedentary behavior and physical activity: a pilot longitudinal study. *PLOS One*, published online: <https://doi.org/10.1371/journal.pone.0189236>.
54. **Frerichs L**, Hassmiller K, Young TL, Dave G, Stith D, Corbie-Smith G. (2017) Development of systems science methods to engage rural African American teens in understanding and addressing childhood obesity prevention. *Health Education and Behavior*. doi: 10.1177/1090198117726570.
55. Hassmiller K, Brown Urban J, **Frerichs L**, Gaurav D, Chall S. (2017) Extending systems thinking in planning and evaluation using group concept mapping and system dynamics to tackle complex problems. *Evaluation and Program Planning*. 60: 254-264. doi: 10.1016/j.evalprogplan.2016.10.008.
56. **Frerichs L**, Brittin J, Trowbridge M, Sorensen D, Kaufman K, Intolubbe-Chmil L, Huang T. (2016) Visual research on student perceptions of and relationship to the school health environment. *Children, Youth & Environments*. 26(2): 83-109.
57. **Frerichs L**, Ataga O †, Corbie-Smith G, Lindau S. (2016) Child and youth participatory interventions for addressing lifestyle-related childhood obesity: a systematic review. *Obesity Reviews*. doi: 10.1111/obr.12468
58. **Frerichs L**, Hassmiller Lich K, Funchess M, Burrell M, Cerulli C, Bidell P, White AM. (2016) Applying critical race theory to group model-building methods to address community violence. *Progress in Community Health Partnerships*. 10(3): 443-459.
59. **Frerichs L**, Kim M, Dave G, Cheney A, Hassmiller Lich K, Jones J, Young T, Wiley Cene C, Varma D, Schaal J, Black A, Striley C, Vassar S, Sullivan G, Cottler L, Brown A, Burke J, Corbie-Smith G. (2016) Stakeholder perspectives on creating and maintaining trust in community-academic research partnerships. *Health Education & Behavior*. 1-10. doi: 10.1177/1090198116648291.
60. Hassmiller Lich K, **Frerichs L**, Fishbein D, Bobashev G, Pentz MA. (2016) Translating research into prevention of high-risk behaviors in the presence of complex systems: Definitions and systems frameworks. *Translational Behavioral Medicine*. 6(1):17-31.
61. **Frerichs L**, Brittin J, Trowbridge M, Kaufman K, Intolubbe-Chmil L, Huang T. (2016) Children's discourse of liked, healthy, and unhealthy foods. *Journal of the Academy of Nutrition and Dietetics*. 116(8):1323-1331. doi: 10.1016/j.jand.2016.01.014.

62. **Frerichs L**, Hassmiller Lich K, Dave G, Corbie-Smith G. (2016) Integrating systems science and community based participatory research – an approach to achieve health equity. *American Journal of Public Health*. 106(2):215-22.
63. **Frerichs L**, Brittin J, Intolubbe-Chmil L, Trowbridge M, Sorensen D, Huang TTK. (2016) The role of school design in shaping healthy eating-related attitudes, practices, and behaviors among school staff. *Journal of School Health*. 86(1):11-22. doi: 10.1111/josh.12347.
64. **Frerichs L**, Sjolie S, Curtis M, Peterson M, Huang TTK. (2015) Process and outcomes from a youth-led campaign to address healthy eating in an urban high school. *Journal of Primary Prevention*. 36(6): 433-438.
65. Huang TTK, Cawley J, Ashe M, Costa S, **Frerichs L**, Zwicker L, Rivera JA, Levy D, Hammond R, Lambert E, Kumanyika S. (2015). Mobilising Policy Action for Obesity Prevention. *Lancet*. doi: 10.1016/S0140-6736(14)61743-8.
66. **Frerichs L**, Brittin J, Sorensen D, Trowbridge M, Yaroch A, Siahpush M, Tibbits M, Huang TTK. (2015). Influence of school architecture and design on healthy eating: a review of the evidence. *American Journal of Public Health*. doi: 10.2105/AJPH.2014.302453.
67. Brittin J, Sorensen D, Trowbridge M, Lee K, Breithecker D, **Frerichs L**, Huang TTK. (2015). Physical activity design guidelines for school architecture. *PLOS ONE*. 10(7): e0132597. doi:10.1371/journal.pone.0132597.
68. **Frerichs L**, Brittin J, Robbins R, Steenson S, Stewart C, Fisher C, Huang T. (2015). SaludableOmaha: Improving readiness to address childhood obesity in a midwestern Latino community. *Preventing Chronic Disease*. 12:140328.
69. Perin D, **Frerichs L**, Costa S, Ramirez AG, Huang TTK. (2014). Perceptions of childhood obesity and support for prevention policies among Latinos and Whites. *Journal of Obesity*. doi: <http://dx.doi.org/10.1155/2014/328276>.
70. Chen DR, **Frerichs L**. (2014). Gender, social origins, and accumulated disadvantages associated with mid-life body weight in Taiwan. *Health*. 6(18):2399-2407. doi: 10.4236/health.2014.618276.
71. **Frerichs L**, Huang TTK, Chen DR. (2014). Associations of subjective social status with physical activity and body mass index across four Asian countries. *Journal of Obesity*. doi: <http://dx.doi.org/10.1155/2014/710602>.
72. **Frerichs L**, Araz O, Huang TTK. (2013) Modeling social transmission dynamics of unhealthy behaviors for evaluating prevention and treatment interventions on childhood obesity. *PLOS ONE*. doi: 10.1371/journal.pone.0082887.
73. Schmidt-Grimminger D, **Frerichs L**, Watanabe-Galloway S, Black Bird A, Workman K. (2013). HPV knowledge, attitudes, and beliefs among Northern Plains American Indian adolescents, parents, young adults, and health professionals. *Journal of Cancer Education*. 28(2):357-66. doi: 10.1007/s13187-013-

0468-y.

74. Huang TTK, Sorenson D, Davis S, **Frerichs L**, Brittin J, Celentano J, Callahan K, Trowbridge M. (2013). Healthy eating design guidelines for school architecture. *Preventing Chronic Disease*. 2013;10:120084. doi: <http://dx.doi.org/10.5888/pcd10.120084>
75. **Frerichs L**, Brittin J, Stewart C, Robbins R, Riggs C, Mayberger S, Cervantes A, Huang TTK. (2012). SaludableOmaha: development of a youth advocacy initiative to increase community readiness for obesity prevention, 2011-2012. *Preventing Chronic Disease*. 9:120095. doi: <http://dx.doi.org/10.5888/pcd9.12009>.
76. **Frerichs L**, Puricelli Perin D, Huang TTK. (2012). Current trends in childhood obesity research. *Current Nutrition Reports*. 1(4): 228-238.
77. **Frerichs L**, Schumacher K, Watanabe-Galloway S, Duran T. (2012). Development of the Northern Plains Native family cancer caregiver education program. *Journal of Palliative Care*. 28(1): 52-59.
78. Watanabe-Galloway S, Flom N, Xu L, Duran T, **Frerichs L**, Kennedy F, Smith C, Jaiyeola A. (2011). Cancer-related disparities and opportunities for intervention in Northern Plains American Indian communities. *Public Health Reports*. 126(3): 318-329.
79. **Frerichs L**, Andsager J, Campo S, Aquilino M, Stewart-Dyer C. (2006). Framing breastfeeding and formula-feeding messages in popular U.S. magazines. *Women & Health*. 44(1), p. 95-118.

Peer-Reviewed Oral Presentations (*Indicates primary presenting author; †Indicates student/trainee)

1. Peddireddy, S., † Battle, S., Gailliard, J., Wright, M., Taylor, M., Arnold, C., Williams, M., **Frerichs, L.**, Gailliard, J., Polston, P., Carter-Edwards, L., Ramaswamy, R. (2021). The COVID-10 Community Engaged Risk Communication Project (CERC): Using a soft systems approach to develop tailored implementation strategies in a rural Black faith-based organization, 2021 Dissemination & Implementation Science Annual Meeting, December 14-16, Virtual.
2. Atkinson, Z., Khanna, A., Robinson-Ezekwe, N., **Frerichs, L.**, Stith, D., Hoover, S., Wolfe, M., Drewry, M., Lindau, S., Dave, G., Corbie-Smith, G. (2021). MAPSCorps Nash and Edgecombe: Adapting an asset mapping program to address community resilience during a pandemic. APHA 2021 Annual Meeting, Oct 24-27, Denver, CO & Online.
3. Smith, N.R., † Mazzucca, S., Hall, M.G., Brownson, R.C., & **Frerichs, L.** (2020). Opportunities to improve policy dissemination by tailoring communication materials to the research priorities of legislators. 2020 Dissemination & Implementation Science Annual Meeting, Dec 15-17, Virtual.
4. **Frerichs, L.**,* Beasley, C., Bell, R., Lowery, J., Ferrari, R., Pevia, K., Reuland, D. (2019). Use of a culturally adapted decision aid video to improve colorectal cancer screening among American Indians. Dialogue for Action, April 24-26, Arlington, VA.
5. Grummon, A.H., † Smith, N.R., Golden, S.D., **Frerichs, L.**, Taillie, L.S., & Brewer, N.T. (2019) Dietary and weight loss benefits of a national sugar-sweetened beverage health warning policy: A microsimulation analysis. American Society for Nutrition Annual Meeting, June 8-11, Baltimore, MD.

6. **Frerichs, L.*** Bell, R., Hassmiller Lich, K., Reuland, D., Warne, D. (2018) Impact of the Affordable Care Act provisions on healthcare insurance coverage among American Indians and Alaska Natives. American Public Health Association's Annual Meeting. November 10-14, 2018, San Diego, CA.
7. **Frerichs, L.*** Araz, O., Calancie, L., Huang, TTK, Hassmiller Lich, K. (2018) A dynamic age-structured model for understanding long-term trends in US obesity prevalence. International Conference of the System Dynamics Society. August 6-10, 2018, Reykjavik, Iceland.
8. **Frerichs, L.*** Powell, W., Townsley, R., Mayorga, M., Richmond, J., Corbie-Smith, G., Wheeler, S., Hassmiller Lich, K. (2017) The Potential Impact of the Affordable Care Act and Medicaid Expansion on Reducing Colorectal Cancer Screening Disparities in African American Males. *INFORMS*, October 22-25th, 2017, Houston, TX.
9. Lyden, J.,[†] **Frerichs, L.**, Skinner, A., Armstrong, S. The feasibility and effectiveness of delivering child obesity treatment in partnership with Parks and Recreation: A randomized pilot trial. *American Academy of Pediatrics National Conference*, September 15-17th, 2017, Chicago, IL.
10. Lyden, J.,[†] **Frerichs, L.**, Gaskin, K., Andrews, M., Sawyer, C., Armstrong, S. A novel healthcare-community partnership for childhood obesity treatment: Baseline characteristics and feasibility data. *American Academy of Pediatrics National Conference*, October 22-25th, 2016, San Francisco, CA.
11. **Frerichs, L.*** Bell, R., Lowery, J., Brooks, M., Hunt, C., Tennant, C. Beasley, C., Reuland, D. Perspectives of American Indians and their healthcare providers on factors that influence colorectal cancer screening. National Native Health Research Conference, June 6th, 2016, Cherokee, NC.
12. Brittin, J., **Frerichs, L.** A natural experiment of active school design impacts on sedentary behavior and physical activity. Environmental Design Research Association Conference, May 21, 2016, Raleigh, NC.
13. **Frerichs, L.*** Hassmiller, K., Stith, D., Young, T., Dave, G., Corbie-Smith, G. A youth-engaged systems science approach to address childhood obesity in a rural African American community. Society for Public Health Education Annual Conference, April 1st, 2016, Charlotte, NC.
14. **Frerichs, L.*** Dave, G., Kim, M., Cheney, A., Sullivan, G., Varma, D., Cottler, L., Vassar, S., Brown, A., Jones, J., Burke, J., Schaal, J., Corbie-Smith, G. Engaging stakeholders to determine factors of building and sustaining trust in community-engaged research partnerships. Society of General Internal Medicine, April 24th, 2015, Toronto, Canada.
15. Hassmiller, K, White, AW., **Frerichs, L.**, Cilenti, D., Orton, S. System dynamics group model building as a method for implementing collective impact. University of Rochester Fall Research Conference – “growing the next generation of community-based researchers”, October 28th, 2014, Rochester, NY.
16. **Frerichs, L.***, Araz, O., Huang, TTK. Modeling social transmission dynamics of unhealthy behaviors for evaluating prevention and treatment interventions on childhood obesity. The 31st International Conference of the System Dynamics Society, July 21st, 2013, Cambridge, MA.
17. Smith, C, Jaiyeola, A, Duran, T, Flom, N, **Frerichs, L**, Watanabe-Galloway S. The Northern Plains Tribal Cancer Data Improvement Initiative (NPTCDI): Gaps and strategies to improve cancer data for

Northern Plains Native Americans. Third National Leadership Summit on Eliminating Racial and Ethnic Disparities in Health. Oral Presentation. February 26, 2009. National Harbor, MD.

Selected Peer-Reviewed Poster Presentations (*Indicates presenting author; †Indicates student/trainee)

1. Drewry M, DeFosset A, Shea C, **Frerichs L**, Abramsohn E, Cavellini D, Dave G, Corbie G, Lindau S. (2023) Implementation of CommunityRx-Cardiovascular Disease, an e-Integrated Community Resource Referral System in Rural NC Federally Qualified Healthcare Clinics. Poster session presented at: Society of General Internal Medicine Annual Meeting, Aurora, CO, May 10-13, 2023.
2. Neshteruk, C.D., Armstrong, S.C., Counts, J., D'Agostino, E.M., Frerichs, L., Howard, J., & Skinner, A.C. (2022) Translating knowledge into action for child obesity treatment in partnership with Parks and Recreation: study protocol for a hybrid type II implementation effectiveness trial. 15th Annual Dissemination & Implementation Conference, Washington DC, December 11-14, 2022.
3. Granados, I., Armstrong, S., Skinner, A., D'Agostino, E., **Frerichs, L.**, Howard, J., Neshteruk, C. The Development of an Implementation Package to Support the Implementation of Clinic-Community Partnerships for the Treatment of Pediatric Obesity [Poster Abstract]. Poster session presented at: AcademyHealth 15th Annual Conference on the Science of Dissemination and Implementation in Health; 2022 Dec 13th; Washington D.C., United States.
4. Ferrari RM, Leeman J, Brenner AT, Correa SY, Malo T, Moore AA, O'Leary M, Randolph CM, Ratner S, **Frerichs L**, Farr D, Crockett SD, Rohweder CL, Wheeler SB, Lich KH, and Reuland DS. Using EPIS to guide development of a multilevel CRC screening intervention in diverse community health center settings. Poster presented at: 15th Annual Conference on the Science of Dissemination and Implementation; December 11-14, 2022; Washington DC.
5. Smith, N.R., † Mazzucca, S., Hall, M.G., Ng, S.W., & **Frerichs, L.** (2020). Identifying groups of policymakers with similar communication preferences to better tailor public health- and nutrition-related research communications. Virtual poster presented at the 2020 Interdisciplinary Association for Population Health Sciences meeting, Sept 30-Oct 2. Poster award winner.
6. Smith, N.R., † **Frerichs, L.**, Minyard, K., MacDonald Gibson, J., Hassmiller Lich, K. Bridging the research-to-policy gap using simulation modeling: Recommendations for building simulation models to support public health decision making. Poster presentation at the AcademyHealth Annual Research Meeting, June 2-4, 2019, Washington, D.C.
7. Smith, N., † **Frerichs, L.**, Hassmiller Lich, K., Moody, J., Corbie-Smith, C., Aiello, A. Associations between college students' and their peers' physical activity using peer social network measures. Poster presentation at the Society of Behavioral Medicine Annual Conference, April 11-14th, 2018, New Orleans, LA.
8. **Frerichs, L.***, Powell, W., Townsley, R., Mayorga, M., Corbie-Smith, G., Wheeler, S., Hassmiller Lich, K., The potential impact of the Affordable Care Act and Medicaid Expansion in North Carolina on reducing colorectal cancer screening disparities among African American males. Poster presentation at AcademyHealth Annual Research Meeting, June 25-27, 2017, New Orleans, LA.

9. Hoffman, J., † **Frerichs, L.**, Skinner, A., & Armstrong, S. A novel healthcare-community partnership for childhood obesity treatment: a randomized pilot study Poster presented at: Pediatric Academic Societies Meeting, May, 2017, San Francisco, CA.
10. Dunlap, P., † **Frerichs, L.**, Boone, B., McFarlin, S., Corbie-Smith, G. Using CBPR to understand local collaborations addressing CVD risk. Poster presentation at the Society of Behavioral Medicine Annual Meeting and Scientific Sessions, March 29-April 1st, San Diego, CA.
11. Lyden, J., † **Frerichs, L.**, Gaskin, K., Watson, L., Andrews, M., Sawyer, C., & Armstrong, S. A novel healthcare-community partnership for childhood obesity treatment: Study design and methods Poster presented at: Academic Pediatric Association, Regional Conference, February, 2016, Charlottesville, VA.
12. Skinner, AC, Sawyer, C, Andrews, M, Lyden, J, Gaskin, K, **Frerichs, L**, Watson, L, Armstrong, S. *Integrated treatment of pediatric obesity: Bull City Healthy and Fit as a healthcare-community shared use model.* Poster presentation at ObesityWeek, November 2016, New Orleans.
13. **Frerichs, L.***, Kim, M., Dave, G., Cheney, A., Hassmiller Lich, K., Young, T., Jones, J., Black, A., Wiley Cene, C., Schaal, J., Vassar, S., Varma D., Striley, C., Mihas, P., Brown, A., Cottler, L., Burke, J., Corbie Smith, G. *Similarities and differences in community, academic, and healthcare stakeholders' perspectives of important contributors to trust in research partnerships.* Poster presentation at the Society for General Internal Medicine Annual Meeting, April 23rd, 2015, Toronto, Canada.
14. **Frerichs, L.*** Brittin, J., Trowbridge, M., Sorensen, D., Kaufman, K., Intolubbe-Chmil, L., Huang, TTK. *Influence of architecture and design on elementary student perceptions of the school environment.* American Public Health Association, November 17-23, 2014, New Orleans, LA.
15. Brittin, J., Araz, O., Ramirez-Nafarrate, A., **Frerichs, L.**, Huang, TTK. *Agent based model of elementary school dynamic furniture intervention: impact on obesity and overweight outcomes.* Poster presentation at the Obesity Society Annual Conference, November 3-8, 2014, Boston, MA.
16. **Frerichs, L.*** Brittin, J., Trowbridge, M., Sorensen, D., Intolubbe-Chmil, L., Huang, TTK. *Influence of architecture and design on elementary school staff and student healthy eating.* Poster presentation at the Obesity Society Annual Conference, November 3-8, 2014, Boston, MA.
17. Brittin, J., Sorensen, D., **Frerichs, L.**, Trowbridge, M., Davis, S., Celetano, J., Callahan, K., Moje, R., Huang, TTK. *Physical Activity Design Guidelines for School Architecture.* Poster presentation at the Obesity Society Annual Conference, November 11-16, 2013, Atlanta, GA.
18. **Frerichs, L.*** Brittin, J., Trowbridge, M., Sorensen, D., Davis, S., Celentano, J., Callahan, K., Huang, TTK. *Healthy Eating Design Guidelines for School Architecture.* Poster Presentation at the College of Public Health Student Research Conference, November 30, 2012, Omaha, NE.
19. **Frerichs, L.*** Brittin, J., Trowbridge, M., Sorensen, D., Davis, S., Celentano, J., Callahan, K., Huang, TTK. *Healthy Eating Design Guidelines for School Architecture.* Poster Presentation at the Obesity Society Annual Conference, September 21-24, 2012, San Antonio, TX.

20. **Frerichs, L.** Stewart, C. Grimm, B. Mayberger, S. Calitz, C. Robbins, R. Cervantes, A. Huang, T. *Latino Youth Advocacy to Increase Community Readiness for Active Living and Childhood Obesity Prevention*. Poster Presentation at Active Living Research Conference, February 22-24, 2011, San Diego, CA.
 21. **Frerichs, L.*** Watanabe-Galloway, S. Duran, T. *Principles for building a regional program that aims to impact local tribal communities, a case study of the Northern Plains Comprehensive Cancer Control Program*. National Comprehensive Cancer Control Program Directors Meeting, April 14-17, 2009, Atlanta, GA.
 22. **Frerichs, L.*** Watanabe-Galloway, S. Duran, T. *Adapting and Implementing a Native American Cancer 101 Curriculum to Increase Northern Plains Cancer Coalition Member's Cancer Knowledge*. Poster Presentation at the National Comprehensive Cancer Control Program Directors Meeting, May 13-15, 2008, Atlanta, GA.
 23. **Frerichs, L.*** Watanabe-Galloway, S. Duran, T. *Building a Regional Coalition for a Native American Cancer Control Program: Lessons Learned*. Poster Presentation at the 19th Annual IHS Research Conference. June 4-7, 2007, Phoenix, AZ.
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TEACHING ACTIVITIES (PRIOR THREE YEARS)

Full Courses

- | | |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021-2024 (Spring) | Instructor, Department of Health Policy and Management, School of Public Health, University of North Carolina at Chapel Hill. <ul style="list-style-type: none"> • HPM 885 - Health Services/Health Policy Research Methods II (3 hours) (required course for PhD program, ~10 students) |
| 2019 (Fall) | Instructor, Department of Health Policy and Management, School of Public Health, University of North Carolina at Chapel Hill. <ul style="list-style-type: none"> • HPM 772 – Techniques for the Economic Evaluation of Health Care (3 hours) (required course for MSPH and Decision Science PhD programs, 34 students) |
| 2017-2020 | Instructor, Department of Health Policy and Management, School of Public Health, University of North Carolina at Chapel Hill. <ul style="list-style-type: none"> • HPM 969 - <i>Program Planning</i> (1 hour) (required course for DrPH program, 12-14 students) |
| 2017-2018 | Instructor, Department of Health Policy and Management, School of Public Health, University of North Carolina at Chapel Hill. <ul style="list-style-type: none"> • HPM 611 - <i>Public Health in a Systems Context</i> (3 hours). Taught in Spring 2017 and Summer 2017-2018. (required course for residential and executive MHA program, 24-35 students) |

Invited Seminars and Presentations

- AMWHO Conference Lunch & Learn event this Saturday, April 6th
- Frerichs L. Spotighting equity approaches and practices to health research. University Research Week Panel Presentation. October 25, 2023. Center for Health Equity Research, UNC-CH. Chapel Hill, NC.

- Frerichs L. The role of research(ers) in Advocacy and Policy Change. Health Equity Research Intensive Panel Presentation. September 19, 2023. Center for Health Equity Research, UNC-CH. Virtual
- Frerichs L. Case studies of engaged and participatory data science. Harvard University, Catalyst Biostatistics Symposium on Data Science and Health Disparities. March 24, 2023, Boston, MA.
- Frerichs L. Finding calm in the chaos: Navigating youth engaged public health research from pre- to peri- pandemic times. Center for Health Initiatives and Behavioral Economics. University of Pennsylvania. June 9, 2022. Philadelphia, PA.
- Frerichs L. & Bell R. Lessons from an Academic-Community Partnership: UNC-Chapel Hill and Lumbee Tribe promoting colorectal cancer screening. Reclaiming Indigenous Health Webinar. Karmanos Cancer Center, Wayne State University. March 21, 2022. Virtual.
- Frerichs L. Engaged and Participatory Systems Thinking. Panel Presentation at the Integrating Systems and Sectors Toward Obesity Solutions, Roundtable on Obesity Solutions. The National Academies of Sciences, Engineering, and Medicine. June 30, 2020. Virtual.

Invited Course Guest Lectures

- *Engaged and Participatory Systems Thinking (Spring 2022)*. Guest lecture for Systems Thinking and Analysis, HSMP 6670: University of Colorado, School of Public Health.
- *Advanced modeling techniques (Fall 2018, Fall 2020, Fall 2021, Fall 2022)*. Guest lecture for Techniques for the Economic Evaluation of Health Care, HPM 772; University of North Carolina at Chapel Hill, NC.
- *Introduction to Economic Analysis (Spring 2020, Spring 2021)*. Guest lecture for Design of Clinical Research Studies, EPID 804, University of North Carolina at Chapel Hill, NC.
- *Systems thinking and mapping to advance community learning and action in the presence of complexity (Spring 2020, Spring 2021)*. Guest lecture for Community Engagement and Leadership for Health, PUBH 781; University of North Carolina at Chapel Hill, NC.
- *Big data and public health informatics (Fall 2018, Spring 2019, Summer 2019, Fall 2019, Spring 2020, Summer 2020, Fall 2020)*. Guest lecture for Introduction to Public Health, SPHG 600; November 15, 2018, University of North Carolina at Chapel Hill, NC.
- *Systems thinking and multi-level interventions. (Fall 2018, Spring 2019, Summer 2019, Spring 2020)*. Guest lecture for Introduction to Public Health, SPHG 600; October 16, 2018, University of North Carolina at Chapel Hill, NC.
- *Complex systems and simulation modeling: the promise and peril. (Fall 2018, Fall 2019)* Guest lecture for Introduction to Social Epidemiology, EPID 826; October 5, 2018, University of North Carolina at Chapel Hill, NC.
- *Complex systems and simulation modeling. (Fall 2017, Fall 2018)* Guest lecture for Introduction to Biomedical and Health Informatics, EPID 890; University of North Carolina at Chapel Hill, Chapel Hill, NC.
- *An introduction to systems science for public health*. Guest lecture for BSPH Capstone Course, HPM 697; April 6, 2017. University of North Carolina at Chapel Hill, NC.
- *Youth-engaged data science and mobile health analytics for obesity prevention*. Health Informatics Seminar Series. February 22, 2017. University of North Carolina at Chapel Hill, Chapel Hill, NC.
- *Complex systems and social networks*. Guest lecture for Introduction to Social Epidemiology, EPID 826; September 30, 2016, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- *Caring for our communities: how colon cancer screening can save lives*. North Carolina Unity Conference, March 11, 2016, Raleigh, NC.

Graduate Advising

Doctoral Dissertation Committee Chair/Advisor

- Gwen Gilbert, Health Policy and Management, DrPH, UNC; Expected Graduation Date: May 2026, Title, TBD
- Christine Werneke, Health Policy and Management, DrPH, UNC; Expected Graduation Date: May 2-26, Title, TBD
- Maya Wilson, Health Policy and Management, PhD, UNC; Expected Graduation Date: May 2027, Title, TBD.
- Cambray Smith, Health Policy and Management, MD-PhD, UNC; Expected Graduate Date: May 2026, Title TBD.
- Brenda Amezcua-Castro, Health Policy and Management, PhD, UNC: Expected Graduation Date: May 2026, Title TBD.
- Hillary Hecht, Health Policy and Management, PhD, UNC; Expected Graduation Date: May 2025, Title *Anti-fat bias and weight-affirming care policies: a critical analysis.*
- Addie Coleman, Health Policy and Management, PhD, UNC; Title *Alcohol and Substance Use among American Indian/Alaska Native Birthing People: A Mixed Methods Study of Punitive versus Supportive State Policies and Community-Level Risk Factors*: May 2024.
- Thea Runyan, Health Policy and Management, DrPH, UNC; *Barriers and facilitators to successful engagement with technology-based interventions for treatment of teen anxiety in low income and minority youth*. Graduated: May 2023.
- Sophie Ravanbakht, Health Policy and Management, PhD, UNC; *The Influence of Intergenerational Acculturation and Stress on Pediatric Obesity in US Latinos: An Exploration Using Decision and Systems Science*. Graduated: May 2023.
- Amy Ising, Health Informatics, PhD, UNC; *Leveraging syndromic data from emergency departments for local chronic disease and mental health surveillance*, Graduated December 2021.
- Natalie Smith, Health Policy and Management, PhD, UNC; *Cost-effectiveness for public health policymaking: the case of sugar-sweetened beverages*, Graduated May 2021.
- Jessica Link, Health Policy and Management, DrPH, UNC; *Evaluating perceptions of stroke care providers on how to improve stroke awareness campaigns*, Graduated May 2020.
- Jason Rosenfeld, Health Policy and Management, DrPH, UNC; *Social capital and community health clubs in Haiti*, Graduated May 2019.

Doctoral Dissertation Committee Member

- Sharita Thomas, Health Policy and Management, PhD, UNC; *Mapping the System of Substance Use and Behavioral Health Outcomes of Adults Racialized as Black in North Carolina*; Expected Graduation Date: May 2025
- Nick Schaad, Health Policy and Management, PhD, UNC; *Assessing Targeted and Enhanced Pediatric HIV Identification Efforts in Tanzania*; Expected Graduation Date: May 2025
- Katie Grimes, Health Policy and Management, PhD, UNC; *Evidence-Based Prevention Programming in the United States Military: Validating Measures, Evaluating Effectiveness, and Exploring Adaptation Feasibility*; Expected Graduation Date: May 2025
- Doyoung Kim, Health Policy and Management, PhD, UNC; *Unpaid Caregivers of Older Adults with Cognitive Impairment: Their Experiences, Association with Care-Recipients' Outcomes, and Implications for Cost-Effectiveness Analyses of Dementia Interventions*; Expected Graduation Date: May 2025
- Christiana Ikemeh, Health Policy and Management, PhD, UNC; *Assessing the ANC-Seeking Determinants Associated with the WHO Eight-Visit ANC Policy across States in Nigeria: An Implementation Research Approach*; Expected Graduation Date: May 2025

- Emily Taylor, Health Policy and Management, DrPH, UNC; *Advancing knowledge and improving implementation: developing and disseminating evaluation tools for public health quality improvement collaboratives*. Expected Graduation Date: June 2024
- Joseph Konstanzer, Health Policy and Management, PhD, UNC; *Title TBD. Out-of-State Psychiatric Residential Treatment Facility Placements: Causes, Consequences, and Solutions* Expected Graduation Date: TBD.
- Isabella Alder, Health Policy and Management, PhD, UNC; *Understanding adaptation of evidence-based interventions from a systems perspective: A practical application of integrating implementation science with system science to guide scaling of a community health worker program*. Expected Graduation Date: December 2024.
- HM Clare, Health Policy and Management, PhD, UNC; *Unraveling the diagnostic odyssey in children with suspected genetic diseases: a systems approach to the search for a diagnosis*, Expected Graduate Date: May 2024.
- Juliana Soares Linn, DrPH, UNC; *Breaking the cycle of invisibility: Pilot study of barriers and facilitators for PLWD to access HIV prevention services*. Expected Graduation Date: TBD.
- Chris Hardesty, Health Policy and Management, DrPH, UNC; *Using modified universal health coverage principles to assess innovations in lower middle-income countries: parallel case studies in Nigeria and Indonesia*. Graduated: May 2024
- Lisa Strader, Health Policy and Management, PhD, UNC; *Outpatient behaviors and practices influencing adherence to proper antibiotic stewardship practices: indications for future intervention development*. Graduated December 2022.
- John Catalano, Health Policy and Management, DrPH, UNC; *College student depression, anxiety disorder, and suicide: institutional trends, associations, and mitigation interventions*. Graduated May 2022.
- Kathleen Knocke, Health Policy and Management, PhD, UNC; *Impact of rural hospital-based maternity unit closures: a systems science approach*, Graduated May 2022.
- Sam Baxter, Health Policy and Management, PhD, UNC; *Racial differences in cardiovascular health among young men: The role of residential segregation*, Graduated August 2020.
- Amber Haley, Health Policy and Management, PhD, UNC; *Social needs screening in community health centers: investigating implementation context, strategies, and outcomes*, Graduated May 2021.
- Mohamed Ismail, Health Policy and Management, DrPH, UNC; *Improving the care for people with diabetes in a free clinic setting*, Graduated December 2019.
- Gracelyn Cruden, Health Policy and Management, PhD, UNC; *Group model building for evidence-based prevention program selection in North Carolina to prevent child maltreatment*, Graduated May 2019.
- Brigid Grabert, JD, MPH, Health Policy and Management, PhD, UNC; *An exploration of multiple levels of influence on modern contraceptive use in urban Senegal*, Graduated May 2019.
- Anna Grummon, MSPH, Health Behavior, PhD, UNC; *Individual- and population-level effects of sugar-sweetened beverage health warnings*, Graduated May 2019.
- Seri Anderson, Health Policy and Management, PhD, UNC; *The cost-effectiveness of improved communication of pregnancy risk and contraceptive information*, Graduated May 2018.

Graduate Student Mentoring/Advising: Academic Advisor

Annie Rajkumar, MPS, Biomedical & Health Informatics

Estella Obi-Tabot, MSPH Student, Health Policy and Management, UNC

Tyon Wesley-Jackson, MPS, Biomedical & Health Informatics

Graduate Student Mentoring/Advising: Master's Papers

Sara Stahl, MSPH Student (Second Reader) Master's Thesis: Systematic review of common practices in cross-system collaborations for child and adolescent mental health in the United States. Graduated May 2024

Maria Zoco Ostiz, MPH in Public Health Leadership (Content Reader) Master's Thesis: A systems-oriented curriculum for high school youth in Edgecombe county, North Carolina; Graduated August 2023

Michelle Carreno, MSPH Student (First Reader) Master's Thesis: Systemic Commonalities and Differences that affect the Lived Experiences of Black Birthing People (BBP) facing Obstetric Racism and Violence in Brazil and the United States (US): A Meta-Ethnographic Analysis of Obstetric Racism in Maternal Health Outcomes; Graduated May 2023.

Danielle Cutts, MBA/MSPH Student (Second Reader) Master's Thesis: The Impact of COVID-19 on Supportive Cancer Care Within Black Churches; Graduated May 2022.

Khadija Jahfiya, MSPH Student (First Reader) Master's Thesis: Policies to address childhood obesity in North Carolina: a briefing in equitable strategies, Graduated May 2019.

Taylor Craig, MSPH Student (First Reader) Master's Thesis: Cost-Effectiveness of Progesterone Prophylaxis for the Prevention of Preterm Birth among High Risk Women in Zambia, Graduated May 2020.

Student Mentoring/Advising: Graduate Research Assistant/Research Project Supervisor

Tessel Peterson, MSPH student, Health Policy and Management, UNC (Spring 2024)

Manuela Uppalapati, BSPH student, Health Policy and Management, UNC (Summer 2023-May 2024)

Lydia Ocbu, BSPH Student, Health Policy and Management, UNC (Summer 2021)

Cambray Smith, MD/PhD Student, UNC (2020-2021)

Gretchen Mason, MPH Student, Health Policy and Management, UNC (2019-2021)

Anisha Khanna, BSPH Student, Health Policy and Management, UNC (2019-2021)

Paris Carrington, Arielle Brown, Wesley Morris, High School Students, DataAware (Summer 2019)

Bryan Blette, PhD Student, Biostatistics, UNC (2018-2019)

Xiomara Francis, BS Student, Project IMHOTEP, UNC (Summer 2018)

Phil Barker, MD Student, CHER Research Summer Program, UNC (Summer 2018)

Micaela Acomb, MSPH Student, Health Policy and Management/CHER, UNC (2017)

Onome Ataga, MPH Student, CHER, UNC (2017)

CONTRACTS & GRANTS

Active

MAPSCorps 2.0: Establishing a Sustainable Foundation for Community Leadership, No #, (Team: Frerichs, Baxter, Williams, Evans)

Source: UNC-CH Whole Community Connection; This a 1-year leadership program for community-academic partners working in Edgecombe or Robeson County. Selected teams receive \$45,000 to implement projects and participate in leadership development.

Duration: 01/01/2024-12/31/2024

Total Direct Costs: \$45,000

Improving the Use of Research Evidence to Reduce Child and Youth Opioid-Related Trauma: Developing and Testing a Reflective Decision Analysis Tool, ##### (PI: Frerichs)

Source: William T. Grant Foundation

Duration: 6/01/2024-05/31/2028

Total Direct Costs: \$965,366

Evaluating a remotely delivered, digital health CRC screening intervention among racially diverse patients of a community health center, 1R01CA273331-01A1 (PI: Frerichs)

Source: National Institutes of Health, National Cancer Institute

Role: PI

Duration: 8/01/2023-07/30/2028

Total Direct Costs: \$2,477,050

Assessing and promoting equity in mental health systems of care for adolescent youth in a rural community in North Carolina, #79640 (PI: Frerichs, Stith)

Source: Robert Wood Johnson Foundation, Community Research for Health Equity

Role: Co-PI

Duration: 4/15/2022-4/14/2025

Total Direct Costs: \$361,013

Heart Matters: Collaborate and Leverage Evidence in an African American Rural Network to Implement Risk Reduction Strategies for CVD (Heart Matters: CO-LEARN to Reduce CVD),

R01HL157255 (PI: Dave, Corbie)

Role: Co-I

Duration: 8/15/21-12/31/2026

Total Direct Costs: \$2,299,502

RADX-UP CDCC, #1U24MD016258 (PI: Cohen-Wolkwiez, Kibbe, Dave)

Source: National Institutes of Health, National Institute on Minority Health and Health Disparities

Role: Co-I

Duration: 9/2020-6/2025

Total Direct Costs: \$4,760,711

Parks & Pediatrics FIT Together: translating knowledge into action for child obesity treatment in partnership with parks and recreation, #1R01HD100417 (PI: Skinner, Armstrong)

Source: National Institutes of Health, National Institute of Child Health and Development

Role: Co-I

Duration: 8/2020-6/2025

Total Direct Costs: \$2,126,580

Community Based System Dynamics Models of Alcohol and Substance Exposed Pregnancy in Northern Plains American Indian Women, #1R01DA050696 (PI: Deutsch)

Source: National Institutes of Health, National Institute on Drug Abuse

Role: Co-I

Duration: 7/2020-5/2024

Total Direct Costs: \$1,163,516

Implementation of EMR-integrated referrals to link clinical and community services to reduce health inequity, #1R01HL150909-01A1 (PI: Corbie-Smith, Dave, Lindau)

Source: National Institutes of Health, National Heart, Lung and Blood Institute

Role: Co-I

Duration: 12/2019-11/2024

Total Direct Costs: \$2,202,698

Completed

Scaling colorectal cancer screening through outreach, referral, and engagement (SCORE): A state-level program to reduce colorectal cancer burden in vulnerable populations, #UG3CA233251 (PI: Reuland)

Source: National Institutes of Health, National Cancer Institute

Role: Co-I

Duration: 9/2018-8/2023

Total Direct Costs: \$3,423,121

Identifying and Disentangling Social and Physical Environmental Effects on Physical Activity in Diverse Adolescent and Young Adult Populations, #1K01HL138159

Source: National Institutes of Health, National Heart, Lung and Blood Institute

Role: PI

Duration 8/2017-7/2022

Total Direct Costs: \$779,894

Community Engaged Risk Communication, No #, (PI: Carter-Edwards)

Source: Gillings Innovation Lab

Role: Co-I

Duration: 6/2020-5/2021

Total Direct Costs: \$100,000

Cancer Prevention and Control Research Network, #U48 DP005017-SIP (PI: Wheeler)

Source: CDC/National Cancer Institute

Role: Co-I

Duration: 10/14-9/19

Total Direct Costs: \$1,350,000

A mixed methods study of how environments alter the outcomes of CVD prevention interventions among rural African American communities, No Number

Source: Junior Faculty Development Award, University of North Carolina Office of the Executive Vice Chancellor and Provost

Role: PI

Duration: 1/18 -12/18

Total Direct Costs: \$10,000

A randomized trial of an American Indian colon cancer screening strategy, #493035

Source: Prevent Cancer Foundation

Role: PI

Duration: 2/17-7/19

Total Direct Costs: \$100,000

Development of a decision aid and patient navigation intervention to address American Indian colorectal cancer screening disparities, no number

Source: UNC Lineberger Cancer Center Tier 1 Developmental Award

Role: PI

Duration: 7/15-6/16

Total Direct Costs: \$50,000

A pilot trial of an integrated clinical-community partnership model for childhood obesity treatment, no number

Source: The Obesity Society Early Career Award

Role: PI

Duration: 1/16-12/16

Total Direct Costs: \$25,000

A proof of concept study of a youth-engaged systems science approach to address obesity in a rural African American community, #2KR631404

Source: North Carolina TraCS Pilot Award

Role: PI

Duration: 7/15-6/16

Total Direct Costs: \$2,000

Architecture and design for healthy eating in schools, no number (Trowbridge)

Source: YOUTH-NEX/University of Virginia

Role: Pre-doctoral Trainee

Duration: 9/12 – 8/14

Total Direct Costs: \$50,000

SaludableOmaha: building a Latino health movement to address obesity, no number (Huang)

Source: Nebraska Research Initiative

Role: Graduate Research Assistant

Duration: 9/12 – 9/14

Total Direct Costs: \$100,000

Overcoming barriers to HPV vaccination in underserved American Indian girls and adolescents, no number (Schmidt-Grimminger)

Source: American Cancer Society

Role: Co-I

Duration: 3/09 – 2/11

Total Direct Costs: \$25,000

Northern Plains comprehensive cancer control program, U58DP000815 (Watanabe-Galloway)

Source: Centers for Disease Control and Prevention

Role: Program Manager (until 8/2010)

Duration: 6/07-7/12

Total Direct Costs: \$1,000,000

Northern Plains Native American cancer survivor support, no number

Source: Lance Armstrong Foundation

Role: PI

Duration: 2/09 – 1/11

Total Direct Costs: \$150,000

Northern Plains pink shawl project, no number

Source: Susan G. Komen Foundation

Role: PI

Duration: 4/09 – 3/10
Total Direct Costs: \$31,844

SERVICE

University Service

2024	Speaker, AMWHO Conference Lunch & Learn event, April 6, UNC-CH
2023-2024	Member, Health Equity Advisory Committee (HEAC), NC TraCS, UNC-CH
2023	Review Panel Member for Community Pilot Funding applications, Office of Community Outreach and Engagement, Lineberger Comprehensive Cancer Center, UNC
2023-Current	Chair of the Faculty Equity Collective, Health Policy and Management, Gillings School of Global Public Health, UNC-CH
2020-2023	Member of the Faculty Equity Collective, Health Policy and Management, Gillings School of Global Public Health, UNC-CH
2020-2024	Judge, Map the System Global Competition – UNC-CH Finals
2022	Review Panel for Marci K. Campbell Dissertation Award
2022	Search Committee Member, Tenure Track Search in Cancer Outcomes, Health Policy and Management, Gillings Global School of Public Health, UNC-CH
2019-2020	Co-Chair of the Committee on Diversity and Inclusion, Health Policy and Management, Gillings Global School of Public Health, UNC-CH
2020-2021	Biosocial Training Committee, Carolina Population Center, UNC-CH
2019-2020	Search Committee Member, Tenure Track Faculty Position, Health Policy and Management, Gillings Global School of Public Health, UNC-CH
2016-2017	Search Committee Member, Behavioral Economics Faculty Position, Health Policy and Management, Gillings Global School of Public Health, UNC-CH
2014	Vice-President of UNMC Research and Professional Development Student Group Judging Committee for Distinguished Graduate Mentor Award
2011-2012	Vice-President of UNMC-COPH Student Association
2010-2011	Member of Student Recruitment and Admissions Committee Treasurer of UNMC-COPH Student Association Volunteer for UNMC Japan Relief Effort activities Volunteer for South Omaha Community Care Council Mentoring Program

Community Service

2020-2021	Consultant, Rural Opportunities Institute, Development and Implementation of Data Dashboard Annual Reflection Tool-Kit.
2018-2019	Member of Youth Assembly Planning Committee, Twin Counties Partnership for Healthy Communities.
2006-2010	Member of Northern Plains Cancer Coalition Member of North Dakota, South Dakota, and Nebraska Cancer Coalitions

National and International Service

2023	Special Emphasis Panel Review Panel Member, National Institute on Minority Health and Health Disparities, Centers of Excellence in Investigator Development and Community Engagement (P50), 11/01/2023-11/02/2023
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2023	External Reviewer, “Translating Knowledge of Foundational Drivers of Obesity into Practice: Proceedings of a Workshop” for the Health and Medicine Division of the National Academies of Sciences, Engineering, and Medicine.
2022-2024	Member, Public Health Systems and Services Research Interest Group, Academy Health
2016-2020	Community Grant Review Committee, Prevent Cancer Foundation
2018	Abstract review committee, International Conference of the System Dynamics Society
2018	Member, APHA Physical Activity Section

Ad Hoc Reviewer

Translational Behavioral Medicine, Preventing Chronic Disease, Progress in Community Health Partnerships, Evaluation and Program Planning, Journal of Obesity, BMC Public Health, Health Equity, PLOS One

Technical Skills

Statistical Analysis

SAS (Proficient, preferred quantitative analysis software), SPSS (Proficient), R (Basic)

Qualitative Analysis

NVivo (Proficient, preferred qualitative analysis software)

Systems Science and Simulation Modeling

System Dynamics Modeling, Vensim (Proficient)

Agent Based Modeling, AnyLogic (Basic)

Network Visualization and Analysis, Gephi (Proficient)

Training

2023	Mental Health First Aid, UNC-CH, March 27 th -28 th ; Virtual.
2022	Community Resiliency Model Training, Trauma Resource Institute, November 7 & 14, Virtual.
2021	Phase 1 Racial Equity Training, Racial Equity Institute, May 17-18, 2021; Virtual.
2020	A Groundwater Approach, Racial Equity Institute, June 26, 2020; Virtual.
2019	Intensive Longitudinal Methods, Statistical Horizons, LLC, November 9-10, 2019; Chicago, IL.
2016	Introduction to R for Social Scientists; University of North Carolina at Chapel Hill, Odum Institute; Chapel Hill, NC.
2011	Agent Based Modeling Bootcamp for Health Researchers; University of Saskatchewan, Saskatoon, SK Canada.
2011	EpiInfo and ArcGIS introductory workshop; University of Nebraska Medical Center, College of Public Health.
2006	Cancer Data Linkages Course: Summer Research Institute for American Indian/Alaska Native Health Professionals; Portland, OR.
2005	Focus Group Interviewing Workshop: Nebraska Every Woman Matters Program, Lincoln, NE.

