

**Curriculum Vitae  
Part I**

**PERSONAL DATA**

**Erin M. Spaulding, PhD, BSN, RN**

Office: Johns Hopkins University School of Nursing  
525 N. Wolfe St  
Faculty Suite N320  
Baltimore, MD 21205  
Phone: (603) 724 – 0604  
Email: espauld2@jhu.edu

**EDUCATION**

<b>Year</b>	<b>Degree</b>	<b>Institution</b>	<b>Location</b>
2020	Doctor of Philosophy (PhD)	Johns Hopkins University School of Nursing	Baltimore, MD
2014	Bachelors of Science in Nursing (BSN)	University of New Hampshire School of Nursing	Durham, NH

**CURRENT LICENSE AND CERTIFICATION**

<b>Year</b>	<b>Source</b>	<b>Type</b>	<b>Expiration</b>
2022-Present	Maryland Board of Nursing	RN	03/28/2026
2014-2024	New Hampshire Board of Nursing	RN	03/04/2024

**PROFESSIONAL EXPERIENCE**

<b>Year</b>	<b>Position</b>	<b>Institution</b>	<b>Location</b>
2024- Present	Principal Faculty	Johns Hopkins School of Nursing, Center for Equity in Aging	Baltimore, MD
2023- Present	Associate Faculty	The Welch Center for Prevention, Epidemiology, and Clinical Research	Baltimore, MD

2022- Present	Assistant Professor	Johns Hopkins University School of Nursing	Baltimore, MD
2022	Doctor of Nursing Practice Project Advisor and Co-course Coordinator	Johns Hopkins University School of Nursing	Baltimore, MD
2021- 2023	Consultant	Corrie Health	Baltimore, MD
2021-2022	Post-doctoral Research Fellow	Johns Hopkins University School of Medicine	Baltimore, MD
2020-2022	Post-doctoral Research Fellow	Johns Hopkins Bloomberg School of Public Health	Baltimore, MD
2020	Co-course Coordinator	Johns Hopkins University School of Nursing	Baltimore, MD
2019	Doctor of Nursing Practice Lead Course Developer	Johns Hopkins University School of Nursing	Baltimore, MD
2019	Teaching Assistant	Johns Hopkins University School of Nursing	Baltimore, MD
2018-2019	Doctor of Nursing Practice Project Evaluator	Johns Hopkins University School of Nursing	Baltimore, MD
2016	Biostatistics Tutor	Johns Hopkins University School of Nursing	Baltimore, MD
2014-2015	Staff Nurse	Dartmouth-Hitchcock Medical Center, Medical Adult Intensive Care Unit	Lebanon, NH

### **HONORS AND AWARDS**

2023-2024	Johns Hopkins School of Nursing, Center for Equity in Aging Pilot Award, Human-Centered Design to Inform the Development of a "TechConnect" Digital and Health Equity Intervention for Chronic Disease Management Among Older Adults, \$9,964
2023-2028	Maryland Higher Education Commission, New Nurse Faculty Fellowship, \$50,000

- 2021 First Place in Original Research, Clinical Predictors of User Engagement with a Digital Health Intervention for Post-AMI Recovery, Virtual Poster Presentation at the Preventive Cardiovascular Nurses Association's 27th Annual Cardiovascular Nursing Symposium
- 2021 Breaking Barriers through Telehealth Award, Johns Hopkins Acute Myocardial Infarction Quality Improvement Program, Mid-Atlantic Telehealth Resource Center
- 2021 W. Leigh Thompson Excellence in Research Award: Clinical Research Fellow, A Digital Health Intervention in Acute Myocardial Infarction, Virtual Poster Presentation at the Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2013-Present Sigma Theta Tau International Honor Society of Nursing, Eta Iota and Nu Beta Chapters, University of New Hampshire, Durham, NH and Johns Hopkins University, Baltimore, MD
- 2018 Conference Oral Abstract Stanley L. Blumenthal, MD Cardiology Research Award, Johns Hopkins Heart and Vascular Institute's 9th Annual Cardiovascular Research Retreat, Baltimore, MD
- 2016 Dr. Scholl Foundation Fellowship
- 2014 *Summa cum laude*, University of New Hampshire, Durham, NH
- 2014 Honors Program Presidential Scholar, University of New Hampshire, Durham, NH
- 2014 Award of Excellence, Undergraduate Research Conference, Parents' Association Undergraduate Research Symposium Poster Presentation, University of New Hampshire, Durham, NH
- 2012-2014 Honors in Major for Nursing, University of New Hampshire, Durham, NH
- 2010-2014 University Honors Program, University of New Hampshire, Durham, NH
- 2010-2014 Dean's List, University of New Hampshire, Durham, NH

## **RESEARCH**

### **Educational Grants**

- 2021-2022 Post-doctoral Fellow, 20SFRN35380046, American Heart Association Strategically Focused Health Technologies and Innovation Research Network, Center for Mobile Technologies to Reduce Disparities in Cardiovascular Health, Johns Hopkins University, PI: Dr. Seth Martin
- 2021-2022 Post-doctoral Fellow, National Heart, Lung, and Blood Institute (NHLBI) subaward GG015997, Collaborative Cohort of Cohorts for COVID Research (C4R), Columbia University subgrant, PI: Dr. Josef Coresh
- 2021-2022 Post-doctoral Fellow, National Kidney Foundation, Predictive Models of Incidence of Chronic Kidney Disease and Progression of Chronic Kidney Disease, Johns Hopkins University, PI: Dr. Josef Coresh
- 2020-2021 Post-doctoral Fellow, T32HL007024, Cardiovascular Epidemiology Institutional Training, Johns Hopkins University, PI: Dr. Josef Coresh, Faculty Mentor: Dr. Seth Martin
- 2017-2020 Pre-doctoral Fellow, F31NR017328, Ruth L. Kirschstein National Research Service Award Individual Pre-Doctoral Fellowship, The Process of User Engagement with mHealth, PI: Dr. Jerilyn Allen
- 2017-2018 Pre-doctoral Fellow, Nurse Faculty for the Future Program, Maryland Higher Education Commission (NSP II 17-107), Johns Hopkins University School of Nursing, PI: Dr. Hae-Ra Han
- 2015-2017 Pre-doctoral Fellow, T32NR012704, Interdisciplinary Training in Cardiovascular Health Research, Johns Hopkins University School of Nursing, PI: Dr. Jerilyn Allen

### **Additional Sponsored Projects**

- 2024 - 2028 Director, Long-term Wearable Study Core, U01HL096812, ARIC Neurocognitive Study (ARIC-NCS) Renewal (PI: Dr. Josef Coresh and Dr. Thomas Mosley), Johns Hopkins University, PI: Dr. Seth Martin
- 2023 - Present Co-investigator, HIS-2021C3-24147, Patient-Centered Outcomes Research Institute (PCORI), Comparative Effectiveness of In-person and Telehealth Cardiac Rehabilitation, Johns Hopkins University, PI: Dr. Alexis Beaty, Site PI: Dr. Seth Martin

- 2022-Present Co-investigator, 20SFRN35380046, American Heart Association Strategically Focused Health Technologies and Innovation Research Network, Center for Mobile Technologies to Reduce Disparities in Cardiovascular Health, Development and Implementation of a Digital Optimization Toolkit for Management of Heart Failure after Discharge, Johns Hopkins University, PI: Dr. Seth Martin
- 2022-2023 Co-investigator, Maryland Chapter, American College of Cardiology, Health Care Innovation Section, Bridging the Digital Divide – Using Digital Health and Education to Improve Cardiovascular Health in Underrepresented Communities, PI: Dr. Françoise Marvel
- 2020-2022 Post-doctoral Fellow, National Institute of Nursing Research (NINR) P30 NR018093, Virtual Cardiometabolic Health Program for African Immigrants: The Afro-DPP Program, PI: Dr. Yvonne Commodore-Mensah
- 2017-2020 Project Coordinator, Johns Hopkins MiCORE Study, Maryland Innovation Initiative: Phases I and II, PI: Dr. Seth Martin
- 2016 Research Assistant, A Test of the Effects of Energy Drinks, Oregon's Department of Justice, PI: Dr. Lawrence Cheskin

### **Additional Un-sponsored Projects**

- 2018-2019 Nurse Faculty for the Future Fellow, Doctor of Nursing Practice Project Evaluation, Program Evaluation, Johns Hopkins University School of Nursing, Baltimore, MD, PIs: Drs. Marie Nolan and Rita D'Aoust

### **SCHOLARSHIP**

#### **Publications**

##### **Peer Reviewed Journal Articles (\*) indicates data-based**

1. \* Bhatla, A., Ding, J., Mhaimed, O., **Spaulding, E.M.**, Commodore-Mensah, Y., Plante, T., Shan, R., Marvel, F.A., Martin, S.S. Patterns of Telehealth Visits After the COVID-19 Pandemic Among Individuals with or at Risk for Cardiovascular Disease in the US. Accepted for publication in *JAHA: Journal of the American Heart Association*.
2. **Spaulding, E.M.**, Miller, H.N., Metlock, F.E., Chepkorir, J., Benjasirisan, C., Hladek, M.D., Han, H. Leveraging Community Wi-Fi and Spaces for Digital Health Use. *Frontiers in Public Health*. 2024; 12:1418627. DOI: 10.3389/fpubh.2024.1418627 PMID: 38912273
3. \* **Spaulding, E.M.**, Fang, M., Commodore-Mensah, Y., Himmelfarb, C., Martin, S.S., Coresh, J. Prevalence and Disparities in Telehealth Use Among US Adults Following the COVID-19 Pandemic:

National Cross-Sectional Survey. *J Med Internet Res*. 2024; 26:e52124. DOI: 10.2196/52124 PMID: 38728070

4. \* **Spaulding, E.M.**, Fang, M., Chen, Y., Commodore-Mensah, Y., Himmelfarb, C., Martin, S.S., Coresh, J. Satisfaction with Telehealth Care in the United States: Cross-Sectional Survey. *Telemedicine and e-Health*. 2024; Online ahead of print. DOI: 10.1089/tmj.2023.0531 PMID: 38452337
5. Isakadze, N., Kim, C., Marvel, F.A., Ding, J., MacFarlane, Z., Gao, Y., **Spaulding, E.M.**, Stewart, K., Bush, A., Broderick, A., Gallagher, J., Nimbalkar, M., Molello, N., Commodore-Mensah, Y., Michos, E.D., Dunn, P., Hanley, D.F., McBee, N., Martin, S.S., & Mathews, L. Rationale and Design of the mTECH-Rehab Randomized Controlled Trial: Impact of a Mobile Technology Enabled Corrie Cardiac Rehabilitation Program on Functional Status and Cardiovascular Health. *JAHA: Journal of the American Heart Association*. 2024; 13(2):e030654. DOI: 10.1161/JAHA.123.030654 PMID: 38226511
6. Bhatla, A., Kim, C.H., Nimbalkar, M., Ng-Thow-Hing, A.S., Isakadze, N., **Spaulding, E.M.**, Zaleski, A., Craig, K.J., Verbrugge, D.J., Dunn, P., Nag, D., Banakar, D., Martin, S.S., & Marvel, F.A. Cardiac Rehabilitation Enabled with Health Technology: Innovative Models of Care Delivery and Policy to Enhance Health Equity. *JAHA: Journal of the American Heart Association*. 2024; 13(2):e031621. DOI: 10.1161/JAHA.123.031621 PMID: 38226509
7. Azizi, Z., Golbus, J.R., **Spaulding, E.M.**, Hwang, P.H., Ciminelli A.L.A., Lacar, K., Hernandez, M.F., Gilotra, N.A., Din, N., Brant, L.C.C., Au, R., Beaton, A., Nallamotheu, B.K., Longenecker, C., Martin, S.S., Dorsch, M.P., & Sandhu, A.T. Challenge of Optimizing Medical Therapy in Heart Failure: Unlocking the Potential of Digital Health and Patient Engagement. *JAHA: Journal of the American Heart Association*. 2024; 13(2):030952. DOI: 10.1161/JAHA.123.030952 PMID: 38226520
8. \* Piasecki, R.J., Hunt, E.A., Perrin, N., **Spaulding, E.M.**, Winters, B., Samuel, L., Davidson, P.M., Strobos, N.C., Churpek, M., Himmelfarb, C.R., for the American Heart Association's Get With The Guidelines – Resuscitation Investigators. Using Rapid Response System Trigger Clusters to Characterize Patterns of Clinical Deterioration Among Hospitalized Adult Patients. *Resuscitation*. 2023; 110041. Online ahead of Print. DOI: 10.1016/j.resuscitation.2023.110041 PMID: 37952578
9. \* **Spaulding, E.M.**, Isakadze, N., Molello, N., Khoury, S.R., Gao, Y., Young, L., Antonsdottir, I.M., Azizi, Z., Dorsch, M.P., Golbus, J.R., Ciminelli, A., Brant, L.C.C., Himmelfarb, C.R., Coresh, J., Marvel, F.A., Longenecker, C.T., Commodore-Mensah, Y., Gilotra, N., Sandhu, A., Nallamotheu, B., & Martin, S.S. Use of Human-Centered Design Methodology to Develop a Digital Toolkit to Optimize Heart Failure Guideline-Directed Medical Therapy. *Journal of Cardiovascular Nursing*. 2023; Online ahead of Print. DOI: 10.1097/JCN.0000000000001051 PMID: 37855732
10. Johnson, T., Chilazi, M., Isakadze, N., Desai, K., **Spaulding, E.M.**, Goyal, A., Ambinder, D., Sharma, G., Itchhaporia, D., Martin, S.S., & Marvel, F.A. Bridging the Digital Divide – Applying Digital Tools to Improve Cardiovascular Health in Underrepresented Communities. *JACC Advances*. 2023; 2(7): 100587. DOI: 10.1016/j.jacadv.2023.100587
11. Ni, Z., Martini, S., **Spaulding, E.M.**, Hargono, A., & Martin, S.S. Editorial: Future Trends and Directions of Using mHealth Strategies to Prevent and Treat Cardiovascular Diseases. *Frontiers in Public Health, section Digital Public Health*. 2023; 11: 1246918. DOI: 10.3389/fpubh.2023.1246918 PMID: 37483916

12. \* Francis, L. **Spaulding, E.M.**, Bloom, I., Patel, A., & Perrin, N. A Systematic Appraisal of the Information, Engagement, Aesthetic, and Functional Quality of Nutrition-Related Smartphone Apps for Children. *Public Health Nutrition*. 2023; 13:1-12. DOI: 10.1017/S1368980023000526 PMID: 36912110
13. \* Isakadze, N., Molello, N., MacFarlane, Z., Gao, Y., **Spaulding, E.M.**, Commodore-Mensah, Y., Marvel, F.M., Khoury, S., Marine, J., Michos, E., Spragg, D., Calkins, H., Cooper, L., & Martin, S.S. The Virtual (i)ncclusive Digital Health Intervention Design to Promote Health Equity (iDesign) Framework for Atrial Fibrillation: Co-design and Development Study. *JMIR Human Factors*. 2022; 9(4):e38048. DOI: 10.2196/38048 PMID: 36315217
14. \* Kay, M.C., Miller, H.N., Askew, S., **Spaulding, E.M.**, Chisholm, M., Christy, J., Yang, Q., Steinberg, D.M. Patterns of Engagement with an App-Based Dietary Self-Monitoring Tool Within a Randomized-Controlled Feasibility Trial. *American Journal of Preventive Medicine Focus*. 2022; 100037. DOI: 10.1016/j.focus.2022.100037 PMID: 37791242
15. Javaid, A., Zghyer, F., Kim, C., Ding, J., Gao, Y., Rahman, F., Kargillis, D., Sky Ng-Thow-Hing, A., **Spaulding, E.M.**, Isakadze, I., Kramer, C., Martin, S.S., Saria, S., Brown, D., Blumenthal, R., & Marvel, F.A. Medicine 2032: The Future of Cardiovascular Disease Prevention with Machine Learning and Digital Health Technology. *American Journal of Preventive Cardiology*. 2022; 12:100379. DOI: 10.1016/j.ajpc.2022.100379 PMID: 36090536
16. \* Baptiste, D., Turkson-Ocran, R., Ogungbe, O., Koirala, B., Francis, L., **Spaulding, E.M.**, Dennison-Himmelfarb, C., & Commodore-Mensah, Y. Heterogeneity in Cardiovascular Disease Risk Factor Prevalence Among Whites, African Americans, African Immigrants and Afro-Caribbeans: Insights from the 2010 - 2018 National Health Interview Survey. *JAHA: Journal of the American Heart Association*. 2022; 11(18):e025235. DOI: 10.1161/JAHA.122.025235 PMID: 36073627
17. \* Johnson, T., Isakadze, N., Mathews, L., Gao, Y., MacFarlane, Z., **Spaulding, E.M.**, Martin, S.S., & Marvel, F.A. Building a Hybrid Virtual Cardiac Rehabilitation Program to Promote Health Equity: Lessons Learned. *Cardiovascular Digital Health Journal*. 2022; 3(4):158-160. DOI: 10.1016/j.cvdhj.2022.06.002 PMID: 36046432
18. \* Brownstein, A.J., Derenbecker, R., Gao, Y., Ding, J., Varghese, B., Isakadze, N., **Spaulding, E.M.**, Marvel, F.A., & Martin, S.S. Application of the Very High Risk Criterion and Evaluation of Cholesterol Guideline Adherence in Acute Myocardial Infarction Patients at an Urban Academic Medical Center. *American Heart Journal Plus: Cardiology Research and Practice*. 2022; 13:100082. DOI: 10.1016/j.ahjo.2021.100082
19. \* Knowles, K.A., Xun H. (co-first author), Jang, S., Pang, S., Ng, C., Sharma, A., **Spaulding, E.M.**, Singh, R., Diab, A., Osuji, N., Wongvibulsin, S., Weng, D., Huynh, P., Nanavati, J., Wolff, J., Marvel, F.A., & Martin, S.S. Clinicians for CARE: A Systematic Review and Meta-Analysis of Interventions to

Support Caregivers of Patients with Heart Disease. *JAHA: Journal of the American Heart Association*. 2021; 10(24):e019706. DOI: 10.1161/JAHA.120.019706 PMID: 34873919

20. \* Bhardwaj, V., **Spaulding, E.M.**, Marvel, F.A., Shan, R., Yesantharao, P.S., Lee, M.A., Yang, W.E., Demo, R., Wang, J., Xun, H., Shah, L., Weng, D., Lorigiano, T., Huynh, P.P., Wongvibulsin, S., LaFave, S., Yu, J., Mota, D., Carter, J., Sheidy, J., McLin, R., Flowers, J., Majmudar, M., Elgin, E., Vilarino, V., Lumelsky, D., Allen, J.K., Martin, S.S., & Padula, W. Cost-Effectiveness of a Digital Health Intervention for Acute Myocardial Infarction Recovery. *Medical Care*. 2021; 59(11):1023-1030. DOI: 10.1097/MLR.0000000000001636 PMID: 34534188
21. \* Marvel, F.A., **Spaulding, E.M. (co-first author)**, Lee, M.A., Yang, W.E., Demo, R., Ding, J., Wang, J., Xun, H., Shah, L., Weng, D., Carter, J., Majmudar, M., Elgin, E., Sheidy, J., McLin, R., Flowers, J., Vilarino, V., Lumelsky, D., Bhardwaj, V., Padula, W., Shan, R., Huynh, P., Wongvibulsin, S., Leung, C., Allen, J.K., & Martin, S.S. A Digital Health Intervention in Acute Myocardial Infarction. *Circulation: Cardiovascular Quality and Outcomes*. 2021; 14(7):e007741. DOI: 10.1161/CIRCOUTCOMES.121.007741 PMID: 34261332
22. \* Nwokeji, U., **Spaulding, E.M.**, Shan, R., Turkson-Ocran, R., Baptiste, D., Koirala, B., Plante, T.B., Martin, S.S., & Commodore-Mensah, Y. Health Information Technology Use among Persons with Self-reported Atherosclerotic Cardiovascular Disease: Analysis of the 2011-2018 National Health Interview Survey. *Journal of Medical Internet Research*. 2021; 23(8):e23765. DOI: 10.2196/23765 PMID: 34397391
23. \* Ciccolini, K., **Spaulding, E.M.**, Berizzi, D., Boyde, T., & Hansen, B. Oncology Nursing Telephone Triage Workshop: Impact on Nurses' Knowledge, Confidence, and Skill. *Cancer Nursing*. 2021. Online ahead of print. DOI: 10.1097/NCC.0000000000000978 PMID: 34483280
24. \* Shah, L.M., Ding, J., **Spaulding, E.M.**, Yang, W.E., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Sociodemographic Characteristics Predicting Digital Health Intervention Use after Acute Myocardial Infarction. *Journal of Cardiovascular Translational Research*. 2021; 14(5):951-961. DOI: 10.1007/s12265-021-10098-9 PMID: 33999374
25. \* Weng, D., Ding, J., Sharma, A., Yanek, L., Xun, H., **Spaulding, E.M.**, Osuji, N., Huynh, P., Ogunmoroti, O., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Heart Rate Trajectories in Patients Recovering from Acute Myocardial Infarction: A Longitudinal Analysis of Apple Watch Heart Rate Recordings. *Cardiovascular Digital Health Journal*. 2021; 2(5):270-281. DOI: 10.1016/j.cvdhj.2021.05.003 PMID: 35265918
26. Wongvibulsin, S., Habeos, E.E., Huynh, P.P., Xun, H., Shan, R., Porosnicu Rodriguez, K., Wang, J., Gandapur, Y.K., Osuji, N., Shah, L.M., **Spaulding, E.M.**, Hung, G., Knowles, K., Yang, W.E., Marvel, F.A., Levin, E., Maron, D.J., Gordon, N.F., & Martin, S.S. Digital Interventions for Cardiac Rehabilitation: Systematic Literature Review. *Journal of Medical Internet Research*. 2021;



23(2):e18773. DOI: 10.2196/18773 PMID: 33555259

27. **Spaulding, E.M.**, Marvel, F.A., Piaseki, R.J., Martin, S.S. & Allen, J.K. User Engagement with Smartphone Applications and Cardiovascular Disease Risk Factor Outcomes: Systematic Review. *JMIR Cardio*. 2021; 5(1):e18834. DOI: 10.2196/18834 PMID: 33533730
28. \* Shan, R., Ding, J., Weng, D., **Spaulding, E.M.**, Wongvibulsin, S., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Early Blood Pressure Assessment after Acute Myocardial Infarction: Insights using Digital Health Technology. *American Journal of Preventive Cardiology*. 2020; 3:100089. DOI: 10.1016/j.ajpc.2020.100089 PMID: 32964212
29. \* Turkson-Ocran, R., **Spaulding, E.M. (co-first author)**, Renda, S., Pandian, V., Jones, H., Davidson, P.M., Nolan, M., & D'Aoust, R. A 10-year Evaluation of Projects in a Doctor of Nursing Practice Programme. *Journal of Clinical Nursing*. 2020; 29(21-22):4090–4103. DOI: 10.1111/jocn.15435 PMID: 33439493
30. \* Garcia-Alvarez, A., Cunningham, C.A., Mui, B., Penn, L., **Spaulding, E.M.**, Oakes, M.J., Divers, J., Dickinson, S.L., Xu, X., & Cheskin, L.J. A Randomized, Placebo-controlled Crossover Trial of a Decaffeinated Energy Drink Shows No Significant Effect on Mental Energy. *The American Journal of Clinical Nutrition*. 2020; 111(3):719-727. DOI: 10.1093/ajcn/nqz343 PMID: 31990972
31. Hughes, R.V., Delva, S., Nkimberg, M., **Spaulding, E.**, Turkson-Ocran, R., Cudjoe, J., Ford, A., Ruston, C., D'Aoust, R., & Han, H. Not Missing the Opportunity: Strategies to Promote Cultural Humility among Future Nursing Faculty. *Journal of Professional Nursing*. 2020; 36(1):28-33. DOI: 10.1016/j.profnurs.2019.06.005 PMID: 32044049
32. **Spaulding, E.M.**, Marvel, F.A., Jacob, E., Rahman, A., Hansen, B.R., Hanyok, L.A., Martin, S.S., & Han, H. Interprofessional Education and Collaboration Among Healthcare Students and Professionals: A Systematic Review and Call for Action. *Journal of Interprofessional Care*. 2021; 35(4):612-621. DOI: 10.1080/13561820.2019.1697214 PMID: 31865823
33. \* Yang, W.E., **Spaulding, E.M.**, Lumelsky, D., Marvel, F.A., Vilarino, V., Wang, J., Shah, L.M., Xun, H., Shan, R., Wongvibulsin, S., & Martin, S.S. Development of a Novel iPhone Loaner System (iShare): Strategies for Successful Implementation in mHealth Interventions. *Journal of Medical Internet Research mHealth and uHealth*. 2019; 7(12):e16391. DOI: 10.2196/16391 PMID: 31841115
34. Yang, W.E., Shah, L.M., **Spaulding, E.M.**, Wang, J., Xun, H., Weng, D., Shan, R., Wongvibulsin, S., Marvel, F.A., & Martin, S.S. The Role of a Clinician Amidst the Rise of Mobile Health Technology. *Journal of the American Medical Informatics Association*. 2019; 26(11):1385–1388. DOI: 10.1093/jamia/ocz131 PMID: 31373364

35. Shah, L.M., Yang, W.E., Demo, R.C., Lee, M.A., Weng, D., Shan, R., Wongvibulsin, S., **Spaulding, E.M.**, Marvel, F.A., & Martin, S.S. Technical Guidance for Clinicians Interested in Partnering with Engineers in mHealth Development and Evaluation. *Journal of Medical Internet Research mHealth and uHealth*. 2019; 7(5):e14124. DOI: 10.2196/14124 PMID: 31094337
36. **Spaulding, E.M.**, Marvel, F.A., Lee, M.A., Yang, W.E., Demo, R., Wang, J., Xun, H., Shah, L., Weng, D., Fashanu, O.E., Carter, J., Sheidy, J., McLin, R., Flowers, J., Majmudar, M., Elgin, E., Vilarino, V., Lumelsky, D., Bhardwaj, V., Padula, W., Allen, J.K., & Martin, S.S. Corrie Health Digital Platform for Self- Management in Secondary Prevention After Acute Myocardial Infarction: MiCORE Rationale and Design. *Circulation: Cardiovascular Quality and Outcomes*. 2019; 12(5):e005509. DOI: 10.1161/circoutcomes.119.005509 PMID: 31043065
37. Nersesian, P.V., **Spaulding, E.M.**, Cudjoe, J., Starbird, L.E., White, K.M., & Commodore-Mensah, Y. Keeping it Contemporary: Ensuring Dynamism in an Online Population Health Course. *Journal of Nursing Education*. 2019; 58(1):53-56. DOI: 10.3928/01484834-20190103-09 PMID: 30673093
38. Petit Francis, L., **Spaulding, E.**, Turkson-Ocran, R. A., & Allen, J. Randomized Trials of Nurse-Delivered Interventions in Weight Management Research: A Systematic Review. *Western Journal of Nursing Research*. 2017; 39(8):1120-1150. DOI: 10.1177/0193945916686962 PMID: 28322648

#### Conference Abstracts (\*) indicates data-based

1. \* Polachini, B., Brant, L.C.C., Ciminelli, A.L., Sandhu, A.T.S., Zica, R., Rezende L.C., **Spaulding, E.M.**, Ribeiro, A.L.P., Beaton, A.Z., & Longenecker, C.T. Development of a Digital Health Intervention for Optimization of Heart Failure Treatment Using the Human Centered Design Methodology in Brazil (OPT-HF). *Arquivos Brasileiros de Cardiologia*. 2023; 120(9Supl.1):1-246
2. \* **Spaulding, E.M.**, Budhathoki, C., Ding, J., Wang, J., Yang, W., Shah, L., Xun, H., Weng, D., Demo, R., Lee, M.A., Marvel, F.A., Martin, S.S., & Allen, J.K. Clinical Predictors of User Engagement with a Digital Health Intervention After Acute Myocardial Infarction. *Journal of Cardiovascular Nursing*. 2021; 36(6):E91-95. DOI: 10.1097/JCN.0000000000000863 PMID: 34637206
3. \* Gao, Y., Diab, A., Sharma, A., Khoury, S., Huynh, P., **Spaulding, E.**, Martin, S., & Marvel, F. Adopting Digital Health Interventions for Secondary Prevention of Cardiovascular Disease: Clinician Perspectives. *European Heart Journal*. 2021; 42(Suppl 1). DOI: 10.1093/eurheartj/ehab724.3085
4. \* Derenbecker, R., **Spaulding, E.M.**, Marvel, F., & Martin, S.S. Application of the Very High-Risk Criterion and Evaluation of Cholesterol Guideline Adherence in Post-AMI Patients at an Urban Academic Medical Center. *Journal of the American College of Cardiology*. 2020; 75(11 Suppl 1). DOI: 10.1016/S0735-1097(20)32509-2

5. \* Ying, R., Shan, R., **Spaulding, E.M.**, Weng, D., Marvel, F., & Martin, S.S. Mood in Geriatric Post-Myocardial Infarction Patients using Novel Real-Time Data Collection Through a Smartphone App. *Journal of the American Geriatrics Society*. 2020; 68:S295. DOI: 10.1111/jgs.15898
6. \* Jenkins, C., Shan, R., Shah, L., **Spaulding, E.M.**, Marvel, F., & Martin, S.S. Mobile Health Usability and Satisfaction in Older Adults: Insights from the Corrie Health Digital Platform. *Journal of the American Geriatrics Society*. 2020; 68:S119-S120.
7. Shah, L., Marvel, F., **Spaulding, E.**, Yang, W., Xun, H., Merali, F., Lee, M., & Martin, S. Harnessing Connected Health to Improve Hospital Discharge and Patient Outcomes for Every Generation: Insights from Piloting the Corrie Platform in Post-MI Recovery. *Proceedings*. 2017; 3(1):e27. DOI: 10.2196/iproc.8426

## Presentations

### International

- 2023 Polachini, B., Brant, L.C.C., Ciminelli, A.L., Sandhu, A.T.S., Zica, R., Rezende L.C., **Spaulding, E.M.**, Ribeiro, A.L.P., Beaton, A.Z., & Longenecker, C.T. Development of a Digital Health Intervention for Optimization of Heart Failure Treatment Using the Human Centered Design Methodology in Brazil (OPT-HF). Poster Presentation at: Brazilian Congress of Cardiology
- 2021 MacFarlane, Z., Gao, Y., Isakadze, N., **Spaulding, E.M.**, Marvel, F.M., & Martin, S.S. Comprehensive Digital Health Intervention to Improve Delivery of Cardiac Rehabilitation, Virtual Poster Presentation at: 2021 IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies (CHASE)

### National

- 2024 Chen, Y., **Spaulding, E.M.**, Slone, S., Suratsawadee, K., Commodore-Mensah, Y., & Himmelfarb, C. Patient Portal Access, Health Literacy, Patient Trust in Health System, and Shared Decision Making Among US Adults with Hypertension: A National Cross-Sectional Study. Poster Presentation at AHA Hypertension Scientific Sessions, Chicago, IL
- 2024 Owusu, R., **Spaulding, E.M.**, Bala-Hampton, J., & Tomori, C. Breaking Barriers: Autism Transitional Support for Racial and Ethnic Minority Youth. Poster Presentation at: The American Public Health Association Annual Meeting and Expo, Minneapolis, MN
- 2024 Gilmer, A., **Spaulding, E.M.**, Bala-Hampton, J., & Tomori, C. Barriers to Care for Adults with Opioid Use Disorder in the United States: An Integrative Review. Oral Presentation at: The American Public Health Association Annual Meeting and Expo, Minneapolis, MN

- 2024 Mariano, M.A., **Spaulding, E.M.**, & Tomori, C. Interventions to Improve Osteoporosis Screening in Post-Menopausal Women: An Integrative Review. Poster Presentation at: The American Public Health Association Annual Meeting and Expo, Minneapolis, MN
- 2024 Avula, V., Zhang, X., Cherian, A., Patel, H., Huynh, P., Sharma, A., Shan, R., Khoury, S.R., Marvel, F.A., Martin, S.S., Mathews, L.M., & **Spaulding, E.M.** Cardiac Inpatients are Highly Interested in Virtual Cardiac Rehabilitation. Poster Presentation at: The American Society for Preventive Cardiology, Congress on CVD Prevention, Salt Lake City, UT
- 2024 Cherian, A., Zhang, X., Patel, H., Avula, V., Huynh, P., Sharma, A., Shan, R., Marvel, F.A., Khoury, S.R., Martin, S.S., Mathews, L.M., & **Spaulding, E.M.** Interest in Digital Cardiac Rehabilitation is Similar Between Geriatric and Non-Geriatric Adults. Poster Presentation at: American Geriatric Society Virtual Annual Meeting
- 2024 **Spaulding, E.M.**, Isakadze, N., Molello, N., Khoury, S., Gao, Y., Young, L., Zghyer, F., Azizi, Z., Dorsch, M.P., Golbus, J.R., Commodore-Mensah, Y., Gilotra, N., Sandhu, A., Nallamotheu, B., & Martin, S.S. Using Human-Centered Design Methodology to Identify Challenges and Inform the Development of a Digital Toolkit to Optimize Heart Failure Guideline-Directed Medical Therapy from Diverse Clinician, Patient, and Patient Health Partner Perspectives. Poster Presentation at: American Heart Association Health Tech & Innovation SFRN Semi-Annual Meeting, Baltimore, MD
- 2024 Zhang, X., Patel, H., Cherian, A., Huynh, P., Sharma, A., Avula, V., Shan, R., Khoury, S.R., Marvel, F.A., Mathews, L.M., Martin, S.S., & **Spaulding, E.M.** Interest in Virtual Cardiac Rehabilitation among Cardiac Inpatients, Poster Presentation at: American Heart Association Health Tech & Innovation Strategically Focused Research Network Semi-Annual Meeting, Baltimore, MD
- 2023 **Spaulding, E.M.** From Tool Development to Trial Implementation: Leveraging Digital Strategies to optimize Lifestyle Medicine. Invited Panelist at: American Heart Association Scientific Sessions
- 2023 **Spaulding, E.M.** Leveraging Digital Health Technology and Machine Learning for Cardiovascular Disease Prevention. Main Session: The Power of Natural Language Processing and Machine Learning to Improve Patient Care: A Round Table Discussion. Invited Speaker at: American Heart Association Scientific Sessions
- 2023 Kim, C.H., Nimbalkar, M., Isakadze, N., MacFarlane, Z., Gao, Y., Ding, J., Broderick, A., Bush, A., Gallagher, J., Wiley, B., Lobien, J., Reddy, T., Aquado, C., Benjamin, P., Neigh, B., Stewart, K.J., Mathews, L., **Spaulding, E.M.**, Martin, S.S., & Marvel, F.A. Lessons from Launching a Digital Health Trial for Hybrid Cardiac Rehabilitation. Poster Presentation at: American Heart Association Scientific Sessions

- 2023 Isakadze, N., Horstman, N., Kim, C., Marvel, F.A., Blair, S.A., Eddy, C., Randwa, S., Cheng, X., **Spaulding, E.M.**, Nimbalkar, M., Calkins, H., Spragg, D., & Martin, S.S. Co-creating Atrial Fibrillation Patient Education Videos by Combing Diverse Patient Feedback, Clinician Peer Review, and ChatGPT Content Analysis to Enhance Guideline Directed Care Implementation. Poster Presentation at: American Heart Association Scientific Sessions
- 2023 Brant, L.C.C., Ciminelli, A.L., Sandhu, A.T.S., Rezende L.C., **Spaulding, E.M.**, Polachini, B., Zica, R., Ribeiro, A.L.P., Beaton, A.Z., & Longenecker, C.T. Adapting of a Digital Health Intervention to Optimize Guideline-Directed Medical Therapy for Heart Failure in Brazil. Poster Presentation at: American Heart Association Scientific Sessions
- 2023 Ogungbe, B., Turkson-Ocran, R., Hinneh, T., Owusu, L., **Spaulding E.**, Mensah, J., Gbaba, S., Sinyan, A., Assani-Uva, A., Kumbe, B., Commodore-Mensah, Y. Hypertension Control in the Afro-DPP Program, a Virtual Cardiometabolic Health Intervention for Hypertension Management among African Immigrants. Poster Presentation at: AHA Hypertension Scientific Sessions, Boston, MA
- 2023 Kim, C., Nimbalkar, M., Isakadze, N., MacFarlane, Z., Gao, Y., Ding, J., Broderick, A., Bush, A., Gallagher, J., Benjamin, P., Stewart, K., Mathews, L., **Spaulding, E.M.**, Martin, S., Marvel, F. Digital Technology-Enabled Hybrid Model for Delivery of Cardiac Rehabilitation. Poster Presentation at: Architecture of High Value Health Care National Conference, Baltimore, MD
- 2023 Kim, C.H., Nimbalkar, M., Isakadze, N., Ding, J., Gao, Y., MacFarlane, Z., Broderick, A., Bush, A., Gallagher, J., Wiley, B., Lobien, J., Reddy, T., Aquado, C., Benjamin, P., Neigh, B., Stewart, K.J., Mathews, L., **Spaulding, E.M.**, Martin, S.S., & Marvel, F.A. Launching a Digital Health Trial (mTECH REHAB) for Hybrid Cardiac Rehabilitation. Poster Presentation at: American Heart Association Strategic Network Annual Meeting, Boston, MA
- 2023 **Spaulding, E.M.**, Isakadze, N., Molello, N., Khoury, S., Gao, Y., Young, L., Zghyer, F., Azizi, Z., Dorsch, M.P., Golbus, J.R., Commodore-Mensah, Y., Gilotra, N., Sandhu, A., Nallamothu, B., & Martin, S.S. Using Human-Centered Design Methodology to Identify Challenges and Inform the Development of a Digital Toolkit to Optimize Heart Failure Guideline-Directed Medical Therapy from Diverse Clinician, Patient, and Patient Health Partner Perspectives. Poster Presentation at: American Heart Association Strategic Network Annual Meeting, Boston, MA

- 2023 Miller, H.N., Ogungbe, B., Hopkins, C.M., **Spaulding, E.M.**, Turkson-Ocran, R.A., Chen, Y., Byiringiro, S., Koirala, B., Baptiste, D., Commodore-Mensah, Y., & Dennison Himmelfarb, C.R. Associations Between Sociodemographic Characteristics and Receipt of Behavioral Counseling Among Adults at Risk for Cardiovascular Disease. Poster Presentation at: Preventive Cardiovascular Nurses Association's 29th Annual Cardiovascular Nursing Symposium, New Orleans, LA
- 2023 **Spaulding, E.M.**, Isakadze, N., Molello, N., Khoury, S., Gao, Y., Young, L., Zghyer, F., Azizi, Z., Dorsch, M.P., Golbus, J.R., Commodore-Mensah, Y., Gilotra, N., Sandhu, A., Nallamotheu, B., & Martin, S.S. Using Human-Centered Design Methodology to Identify Challenges and Inform the Development of a Digital Toolkit to Optimize Heart Failure Guideline-Directed Medical Therapy from Diverse Clinician, Patient, and Patient Health Partner Perspectives. Poster Presentation at: American Heart Association EPI Lifestyle Scientific Sessions, Boston, MA
- 2023 MacFarlane, Z., Isakadze, N., Broderick, A., Bush, A., Gao, Y., **Spaulding, E.M.**, Gallagher, J., Benjamin, P., Neigh, B., Lee, M., Sham, J., Stewart, K.J., Mathews, L., Martin, S.S., & Marvel, F.A. Hybrid Cardiac Rehabilitation: Early Experience from Recruitment to Graduation, Poster Presentation at: Congress on CVD Prevention – American Society for Preventive Cardiology
- 2022 Johnson, T., Gao, Y., MacFarlane, Z., **Spaulding, E.M.**, Yang, W., Isakadze, N., Martin, S.S., & Marvel, F.A. An Electronic Medical Record Based Algorithm to Tailor Cardiovascular Disease Prevention using Lipoprotein(a), Apolipoprotein B, Cholesterol and Myocardial Infarction Diagnosis: ABCDs PREVENTION program, Poster Presentation at: Congress on CVD Prevention – American Society for Preventive Cardiology
- 2022 **Spaulding, E.M.**, Miller, H.N., Turkson-Ocran, R., Koirala, B., Ogungbe, B., Byiringiro, S., Nwokeji, U., Gleason, K.T., Baptiste, D.L., Martin, S.S., & Commodore-Mensah, Y. Sociodemographic Determinants of Electronic Medical Record Use Among Adults with Self-Reported Cardiovascular Disease: 2020 Health Information National Trends Survey, Poster Presentation at: Preventive Cardiovascular Nurses Association's 28th Annual Cardiovascular Nursing Symposium, Las Vegas, NV
- 2022 **Spaulding, E.M.**, Miller, H.N., Turkson-Ocran, R., Koirala, B., Ogungbe, B., Byiringiro, S., Nwokeji, U., Gleason, K.T., Baptiste, D.L., Martin, S.S., & Commodore-Mensah, Y. Electronic Medical Record Use Among Adults with Self-reported Hypertension: Analysis of the 2020 Health Information National Trends Survey, Poster Presentation at: American Heart Association EPI Lifestyle Scientific Sessions, Chicago, IL

- 2022 MacFarlane, Z., Isakadze, N., Molello, N., **Spaulding, E.**, Gao, Y., Young, L., Khoury, S., Michos, E., Cingolani, O., Street, A., Mathews, L., Marvel, F., Commodore-Mensah, Y., & Martin, S.S. Using Human-Centered Design Methodology to Identify Challenges in Cardiac Recovery and Cardiac Rehabilitation from Diverse Patient, Patient Health Partner, and Clinician Perspectives, ePoster Presentation at: American Heart Association EPI Lifestyle Scientific Sessions, Chicago, IL
- 2021 Isakadze, N., Molello, N., Spragg, D., Gao, Y., **Spaulding, E.M.**, MacFarlane, Z., Michos, E.D., Marine, J., Berger, R., Calkins, H., & Martin, S.S. Engaging Diverse Patients, Caregivers, and Clinicians as Partners to Identify Disease Management Related Challenges in Atrial Fibrillation: A Qualitative Study Utilizing Human-Centered Design Methodology, Virtual Poster Presentation at: American Heart Association Scientific Sessions
- 2021 Knowles, K.A., Xun, H. (co-first author), Jang, S., Pang, S., Ng, C., Sharma, A., **Spaulding, E.M.**, Singh, R., Diab, A., Osuji, N., Materi, J., Amundsen, D., Wongvibulsin, S., Weng, D., Huynh, P., Nanavati, J., Wolff, J., Marvel, F.A., & Martin, S.S. A Systematic Review and Meta-Analysis of Interventions to Support Caregivers of Patients with Heart Disease, Virtual Poster Presentation at: American Heart Association Scientific Sessions
- 2021 **Spaulding, E.M.**, Marvel, F.A., Bhardwaj, V., Lee, M.A., Yang, W.E., Demo, R., Ding, J., Wang, J., Xun, H., Shah, L., Weng, D., Carter, J., Majmudar, M., Elgin, E., Sheidy, J., McLin, R., Flowers, J., Vilarino, V., Lumelsky, D., Shan, R., Huynh, P., LaFave, S., Yu, J., Mota, D., Lorigiano, T., Yesantharao, P., Wongvibulsin, S., Leung, C., Padula, W., Allen, J.K., & Martin, S.S. A Digital Health Intervention in Acute Myocardial Infarction, Virtual Poster Presentation at: Architecture of High Value Health Care National Conference
- 2021 Marvel, F.A., **Spaulding, E.M.**, Yang, W.E., Hung, G., & Martin, S.S. Improving Health Equity with Digital Health: A Case Example of Improving Access to Guideline-Directed Medical Care with a Digital Health Intervention "Corrie" Following Acute Myocardial Infarction for an Underserved Patient, Virtual Poster Presentation at: Architecture of High Value Health Care National Conference
- 2021 Gao, Y., Diab, A., Sharma, A., Khoury, S., Huynh, P., **Spaulding, E.M.**, Martin, S.S., & Marvel, F.A. Adopting Digital Health Interventions for Secondary Prevention of Cardiovascular Disease: Clinician Perspectives, Virtual Poster Presentation at: European Society of Cardiology Congress
- 2021 **Spaulding, E.M.**, Budhathoki, C., Ding, J., Wang, J., Yang, W., Shah, L., Xun, H., Weng, D., Demo, R., Lee, M.A., Marvel, F.A., Martin, S.S., & Allen, J.K. Clinical Predictors of User Engagement with a Digital Health Intervention for Post-AMI Recovery, Virtual Poster Presentation at: Preventive Cardiovascular Nurses Association's 27th Annual

Cardiovascular Nursing Symposium

- 2021 Shah, L.M., Ding, J., **Spaulding, E.M.**, Yang, W., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Does Digital Health Exacerbate Existing Inequities? Examining Sociodemographic Predictors of Digital Health Intervention Use for Readmission Reduction Post-MI, Virtual Poster Presentation at: The American College of Cardiology's 70th Annual Scientific Session & Expo
- 2021 Ciccolini, K., **Spaulding, E.M.**, Berizzi, D., Boyde, T., & Hansen, B. Oncology Nursing Telephone Triage Workshop: Improving Nurse Skill and Confidence, Virtual Poster Presentation at: Symptom Science Advances in Oncology Nursing
- 2020 Weng, D., Ding, J., Sharma, A., Yanek, L., Xun, H., Osuji, N., Huynh, P.P., Ogunmoroti, O., **Spaulding, E.M.**, Knowles, K., Gao, Y., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Heart Rate Trajectories and Clinical Correlates in Patients Recovering from Acute Myocardial Infarction: A Longitudinal Analysis of Apple Watch Heart Rate Recordings, Virtual Poster Presentation at: American Heart Association Scientific Sessions
- 2020 Yang, W.E., Ding, J., **Spaulding, E.M.**, Shah, L.M., Hung, G., Vervoort, D., Marvel, F.A., & Martin, S.S. Equitable Access to mHealth Through a Smartphone Loaner Program in Patients with Acute Myocardial Infarction, Virtual Poster Presentation at: American Heart Association Scientific Sessions
- 2020 Shan, R., Ding, J., Weng, D., **Spaulding, E.M.**, Wongvibulsin, S., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Blood Pressure Control over 30 Days after Acute Myocardial Infarction: Insights from the Corrie Health Digital Platform, Virtual Poster Presentation at: Congress on CVD Prevention – American Society for Preventive Cardiology
- 2020 Marvel, F.A., Mathews, L., Stewart, K., Broderick, A., Landgren, D., Burke, T., Bush, A., Chudnovsky, A., Benjamin, P., Shah, L., Gao, Y., Shan, R., Huynh, P.P., Weng, D., Osuji, N., Duffy, E., Gallagher, J., **Spaulding, E.M.**, & Martin, S.S. A Framework for Providing Virtual Cardiac Rehabilitation Services in Response to COVID-19: Frontline Experience from Johns Hopkins Cardiac Rehabilitation Centers, Virtual Poster Presentation at: Congress on CVD Prevention – American Society for Preventive Cardiology
- 2020 Baptiste, D., Turkson-Ocran, R.A., Ogungbe, O., Koirala, B., Francis, L., **Spaulding, E.**, Dennison Himmelfarb, C., & Commodore-Mensah, Y. Heterogeneity in Cardiovascular Disease Risk Factor Prevalence Among Whites, African Americans, African Immigrants and Afro-Caribbeans: Insights from the 2010-2018 National Health Interview Survey, Oral Presentation at: American Heart Association EPI Lifestyle Scientific Sessions, Phoenix, AZ



- 2020 Nwokeji, U., **Spaulding, E.M.**, Turkson-Ocran, R.A., Shan, R., Baptiste, D., Koirala, B., Plante, T.B., Martin, S.S., & Commodore-Mensah, Y. Health-Information Technology Use among Patients with Diagnosed Atherosclerotic Cardiovascular Disease: Evidence from the 2010-2018 National Health Interview Survey, Poster Presentation at: American Heart Association EPI Lifestyle Scientific Sessions, Phoenix, AZ
- 2019 Marvel, F.A., **Spaulding, E. (co-presenter)**, Lee, M., Yang, W., Demo, R., Shan, R., Ding, J., Huynh, P., Xun, H., Shah, L., Weng, D., Allen, J., & Martin, S.S. Myocardial infarction, COmbined-device, Recovery Enhancement (MiCORE) Study: 30-Day Readmission Rates and Cost-Effectiveness of a Novel Digital Health Intervention for Acute Myocardial Infarction, Poster Presentation at: American Heart Association Scientific Sessions, Philadelphia, PA
- 2019 Francis, L., **Spaulding, E.**, Turkson-Ocran, R.A., Koirala, B., Baptiste, D., Echouffou-Tcheugui, J., & Commodore-Mensah, Y. Risk Factors for Household Food Insecurity among Adults with Dysglycemia: Evidence from the 2013-2017 National Health Interview Survey, Poster Presentation at: American Diabetes Association's Scientific Sessions, San Francisco, CA
- 2019 Francis, L., Turkson-Ocran, R.A., **Spaulding, E.**, Koirala, B., Baptiste, D., Echouffou-Tcheugui, J., & Commodore-Mensah, Y. Risk Factors for Household Food Insecurity among Adults with Coronary Artery Disease: Evidence from the 2013-2017 National Health Interview Survey, Moderated Poster Presentation at: Preventive Cardiovascular Nurses Association's 25th Annual Cardiovascular Nursing Symposium, St. Paul, MN
- 2018 **Spaulding, E.**, Marvel, F.A., Lee, M., Yang, W., Wang, J., Xun, H., Shah, S., Vilarino, V., Mizani, A., Demo, R., Allen, J., & Martin, S.S. The Johns Hopkins Myocardial infarction, COmbined-device, Recovery Enhancement (MiCORE) Study: Readmission Rates and Cost-Savings of the Corrie Health Digital Platform for Post-Myocardial Infarction Patients, Poster Presentation at: American Society of Preventive Cardiology Congress on CVD Prevention, Santa Ana Pueblo, NM
- 2018 Wang, J., Marvel, F.A., **Spaulding, E.**, Fashanu, O.E., Lee, M., Yang, W., Xun, H., Shah, S., Weng, D., & Martin, S.S. Corrie Health: Re-Engineering Hospital Discharge and Recovery Following Acute Myocardial Infarctions, Poster Presentation at: Society of General Internal Medicine Annual Meeting, Denver, CO
- 2017 Shah, L., Marvel, F.A., **Spaulding, E.**, Yang, W., Xun, H., Merali, F., Lee, M., Fashanu, O.E., & Martin, S.S. Harnessing Connected Health to Improve Hospital Discharge and Patient Outcomes for Every Generation: Insights from Piloting the Corrie Platform in Post-MI Recovery, Poster Presentation at: Connected Care Conference, Boston, MA

## Regional

- 2019 **Spaulding, E.** & Allen, J. User Engagement with Smartphone Applications and Cardiovascular Disease Health Behavior Change and Risk Factor Outcomes: A Systematic Review, Poster Presentation at: Johns Hopkins Heart and Vascular Institute's 10th Annual Cardiovascular Research Retreat, Baltimore, MD
- 2019 Weng, D., Ding, J., Ogunmoroti, O., Yanek, L., **Spaulding, E.M.**, Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Predictors of Heart Rate in Patients Recovering from Acute Myocardial Infarction - A Longitudinal Analysis of Apple Watch Heart Rate Recordings, Poster Presentation at: Johns Hopkins Heart and Vascular Institute's 10th Annual Cardiovascular Research Retreat, Baltimore, MD
- 2019 Shah, L., Ding, J., **Spaulding, E.M.**, Yang, W.E., Marvel, F.A., & Martin, S.S. Predictors of High Digital Health Use in Heart Attack Patients: Implications for Smartphone-delivered Interventions, Poster Presentation at: Johns Hopkins Heart and Vascular Institute's 10th Annual Cardiovascular Research Retreat, Baltimore, MD
- 2018 **Spaulding, E.**, Marvel, F.A., Lee, M., Yang, W., Wang, J., Xun, H., Shah, S., Vilarino, V., Mizani, A., Demo, R., Allen, J., & Martin, S.S. The Johns Hopkins Myocardial infarction, COmbined-device, Recovery Enhancement (MiCORE) Study: Readmission Rates Following Use of the Corrie Digital Health Solution for Post-Myocardial Infarction, Poster Presentation at: Johns Hopkins Research Symposium on Engineering in Healthcare, Baltimore, MD
- 2017 Delva, S., Vilarino, V., **Spaulding, E.**, Marvel, F., Shah, L., Xun, H., Yang, W., Lee, M., Demo, R., & Martin, S. The Johns Hopkins Corrie Smartphone Application to Address Disparities in Outcomes after Myocardial Infarction, Poster Presentation at: Excellence in Diversity Symposium, 2nd Annual Symposium of the Johns Hopkins Diversity Postdoctoral Alliance Committee, Baltimore, MD
- 2016 Dyer, E., Marvel, F., Wang, J., **Spaulding, E.**, Afshar, A.S., Merali, F., Lee, M., & Martin, S. Johns Hopkins Corrie Smartphone Application to Address Disparities in Outcomes after Myocardial Infarction, Poster Presentation at: Excellence in Diversity Symposium, 1st Annual Symposium of the Johns Hopkins Diversity Postdoctoral Alliance Committee, Baltimore, MD

## Local

- 2024 Zhang, X., Patel, H., Cherian, A., Huynh, P., Sharma, A., Avula, V., Shan, R., Khoury, S.R., Marvel, F.A., Mathews, L.M., Martin, S.S, & **Spaulding, E.M.** Interest in Virtual Cardiac Rehabilitation among Cardiac Inpatients, Poster Presentation at: Johns Hopkins University School of Nursing Research Honors Symposium, Baltimore, MD

- 2024 Ravani, A., Nimbalkar, M., Kim, C., Isakadze, N., Kassamail, A., Ryu, J., MacFarlane, Z., Gao, Y., Ding, J., Broderick, A., Zhang, X., Bush, A., Gallagher, J., Benjamin, P., Neigh, B., Stewart, K.J., Mathews, L., **Spaulding, E.M.**, Martin, S.S., & Marvel, F.A. Virtual Health Coaching in a Home-Based Cardiac Rehabilitation Program. Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2023 **Spaulding, E.M.** Leveraging Digital Health for Cardiovascular Disease Secondary Prevention Delivery in Clinical Trials and Data Collection in Epidemiologic Studies, Welch Center Clinical Research Grand Rounds, October 4, 2023, Invited Oral Presentation
- 2023 Young, L., Isakadze, N., Molello, N., Khoury, S., Gao, Y., Zghyer, F., Azizi, Z., Dorsch, M.P., Golbus, J.R., Commodore-Mensah, Y., Gilotra, N., Sandhu, A., Nallamotheu, B., Martin, S.S., & **Spaulding, E.M.** Use of Human-Centered Design Methodology to Identify Challenges and Develop a Digital Toolkit to Optimize Heart Failure Guideline-Directed Medical Therapy. Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2021 **Spaulding, E.M.** A Digital Health Intervention in Acute Myocardial Infarction, Maryland Chapter, American College of Cardiology Speaker Series, April 29, 2021, Invited Virtual Oral Presentation
- 2021 Marvel, F.A., **Spaulding, E.M. (co-first author)**, Bhardwaj, V., Lee, M.A, Yang, W.E., Demo, R., Ding, J., Wang, J., Xun, H., Shah, L.M., Weng, D., Carter, J., Majmudar, M., Elgin, E., Sheidy, J., McLin, R., Flowers, J., Vilarino, V., Lumelsky, D.N., Shan, R., Huynh, P.P., LaFave, S., Yu, J., Mota, D., Lorigiano, T., Yesantharao, P.S., Wongvibulsin, S., Leung, C., Padula, W.V., Allen, J.K., & Martin, S.S. A Digital Health Intervention in Acute Myocardial Infarction, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2021 Shah, L.M., Ding, J., **Spaulding, E.M.**, Yang, W.E., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Does Digital Health Exacerbate Existing Inequities? Examining Sociodemographic Predictors of Digital Health Intervention Use for Readmission Reduction Post-MI, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2021 Nwokeji, U., **Spaulding, E.M.**, Turkson-Ocran, R., Shan, R., Baptiste, D., Koirala, B., Plante, T.B., Martin, S.S., & Commodore-Mensah, Y. Health-Information Technology Use among Patients with Diagnosed Atherosclerotic Cardiovascular Disease: Evidence from the 2011-2018 National Health Interview Survey, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat

- 2021 Weng, D., Ding, J., Sharma, A., Yanek, L., Xun, H., Osuji, N., Huynh, P.P., Ogunmoroti, O., **Spaulding, E.M.**, Knowles, K., Gao, Y., Yang, W., Lee, M.A., Demo, R., Marvel, F.A., & Martin, S.S. Heart Rate Trajectories and Clinical Correlates in Patients Recovering from Acute Myocardial Infarction: A Longitudinal Analysis of Apple Watch Heart Rate Recordings, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2021 Sharma, A., Gao, Y., Diab, A., Khoury, S., Huynh, P., **Spaulding, E.M.**, Martin, S.S., & Marvel, F.A. Adopting Digital Health Interventions for Secondary Prevention of Cardiovascular Disease: Clinician Perspectives, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2021 Wongvibulsin, S., Habeos, E.E., Huynh, P.P., Xun, H., Shan, R., Porosnicu Rodriguez, K., Wang, J., Gandapur, Y.K., Osuji, N., Shah, L.M., **Spaulding, E.M.**, Hung, G., Knowles, K., Yang, W.E., Marvel, F.A., Levin, E., Maron, D.J., Gordon, N.F., & Martin, S.S. Digital Health Interventions for Cardiac Rehabilitation: A Systematic Literature Review, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2021 Knowles, K.A., Xun, H. (co-first author), Jang, S., Pang, S., Ng, C., Sharma, A., **Spaulding, E.M.**, Singh, R., Diab, A., Osuji, N., Wongvibulsin, S., Weng, D., Huynh, P., Nanavati, J., Wolff, J., Marvel, F.A., & Martin, S.S. Clinicians for CARE: A Systematic Review of Interventions to Support Caregivers of Patients with Heart Disease, Virtual Poster Presentation at: Johns Hopkins Department of Medicine & Whiting School of Engineering Research Retreat
- 2018 **Spaulding, E.M.**, Marvel, F.A., Jacob, E., Rahman, A., Hansen, B.R., Hanyok, L.A., Martin, S.S., & Han, H. Interprofessional Education and Collaboration among Healthcare Students and Professionals, Poster Presentation at: Johns Hopkins Institute for Excellence in Education Conference and Celebration, Baltimore, MD
- 2018 Allen, N., **Spaulding, E.**, Marvel, F., Wang, J., Yang, W., Xun, H., Shah, L., Demo, R., Lee, M., Fashanu, O., Martin, S., & Allen, J. Corrie Health and Physical Activity Post Myocardial Infarction, Poster Presentation at: Johns Hopkins University School of Nursing Research Honors Symposium, Baltimore, MD
- 2018 Shah, L., Marvel, F.A., **Spaulding, E.**, Yang, W., Xun, H., Merali, F., Lee, M., Fashanu, O.E., & Martin, S.S. A Novel Smartphone and Wearable Intervention Improving Recovery from Acute Myocardial Infarction: Insights on Uptake and Feature Usage Patterns, Poster Presentation at: Johns Hopkins Medical Student Research Symposium, Baltimore, MD

- 2017 Marvel, F.A., **Spaulding, E.M.**, Yang, W., Lee, M., Merali, F., Wang, J., & Martin, S.S. 30 Day Readmission Reduction Johns Hopkins/Bayview and Application Usage Among Acute Myocardial Infarction Patients: Preliminary Findings from the Myocardial infarction COmbined-device Recovery Enhancement (MiCORE) Study, First Place in Oral Abstract Presentation at: American College of Physicians Mulholland Mohler Residents Meeting, Baltimore, MD
- 2017 Marvel, F.A., **Spaulding, E.M.**, Yang, W., Lee, M., Merali, F., Wang, J., & Martin, S.S. Integrating Technology in Health Care, Reimagining Hospital Discharge in the Mobile Era: Myocardial infarction COmbined-device Recovery Enhancement (MiCORE) Study, Poster Presentation at: Edmund Beacham 44th Annual Current Topics in Geriatrics, Baltimore, MD
- 2016 Marvel, F.A., Yang, W.E., **Spaulding, E.**, Chau Ly, B., Merali, F., Lee, M., Afshar, A., & Martin, S.S. Corrie Health Digital Platform: Targeting Reduced Readmissions and Increased Adherence among Acute Myocardial Infarction Patients, Poster Presentation at: 11th Annual Bayview Research Symposium, Johns Hopkins Bayview Medical Center, Baltimore, MD
- 2016 **Spaulding, E.**, Chau Ly, B., Marvel, F., Lee, M., Afshar, A.S., Allen, J., & Martin, S. A Johns Hopkins Corrie Smartphone Application for Heart Attack Recovery, Poster Presentation at: Inaugural Johns Hopkins Research Symposium on Engineering in Healthcare, Johns Hopkins Malone Center for Engineering in Healthcare, Baltimore, MD
- 2014 **Spaulding, E.**, Instilling Diet and Exercise Confidence: Influence of Nurse Body Size, Poster Presentation at: University of New Hampshire Undergraduate Research Conference, Parents' Association Undergraduate Research Symposium, Durham, NH
- 2014 **Spaulding, E.**, Instilling Diet and Exercise Confidence: Influence of Nurse Body Size, Oral Presentation at: Ann Manchester Kelley Nursing Inquiry Day, University of New Hampshire, College of Health and Human Services, Department of Nursing & Sigma Theta Tau, Eta Iota Chapter, Durham, NH

### Media and Press Releases

- 2021 Hatch, C. on behalf of Johns Hopkins Medicine. "Study Shows Use of Smartphone App Associated with Lower Hospital Readmission Rates for Heart Attack Survivors", Johns Hopkins School of Medicine News, <https://www.hopkinsmedicine.org/news/newsroom/news-releases/study-shows-use-of-smartphone-app-associated-with-lower-hospital-readmission-rates-for-heart-attack-survivors>

- 2021 Aguilar, M. on behalf of STAT Health Tech News. "With Apple's Backing, can an App Help Heart Attack Patients Navigate Recovery?", STAT Health Tech News, <https://www.statnews.com/2021/08/03/apple-watch-corrie-heart-attack-hopkins/>
- 2020 Ogungbe, B., Byiringiro, S., **Spaulding, E.M.**, on behalf of the Johns Hopkins School of Nursing Cardiometabolic Interest Group and Maryland Chapter of Preventive Cardiovascular Nurses Association (PCNA). "Women Between 18 and 44 are at Risk for Hypertension - And They're Less Aware of it Than They were 10 Years Ago", Johns Hopkins Nursing on The Pulse, Blog about Hypertension Awareness among Women for National Women's Blood Pressure Awareness Week, <https://magazine.nursing.jhu.edu/2020/10/women-between-18-and-44-are-at-risk-for-hypertension-and-theyre-less-aware-of-it-than-they-were-10-years-ago/>
- 2019 Editor. "Nurse Intuition, Plus Engineering Know-How", Johns Hopkins Nursing on The Pulse, Blog about **E. Spaulding's** Dissertation "The Process of User Engagement with mHealth" and work on the MiCORE Study, <https://magazine.nursing.jhu.edu/2019/03/nurse-intuition-plus-engineering-know-how/>
- 2018 Dobkowski, D. "Smartphone App Decreases Risk for Readmission after Acute MI", Cardiology Today, News Story about **E. Spaulding's** Presentation: The Johns Hopkins Myocardial infarction, COmbined-device, Recovery Enhancement (MiCORE) Study: Readmission Rates and Cost-Savings of the Corrie Health Digital Platform for Post-myocardial Infarction Patients at American Society of Preventative Cardiology Congress on CVD Prevention, Santa Ana Pueblo, NM, <https://www.healio.com/cardiology/vascular-medicine/news/online/%7B479363cc-306d-4a1c-9b46-db724c040754%7D/smartphone-app-decreases-risk-for-readmission-after-acute-mi>

## **EDITORIAL ACTIVITIES**

### **Journal Handling Editor**

- 2022-2023 *Frontiers in Cardiovascular Medicine*, Research Topic: Future Trends and Directions of using mHealth Strategies to Prevent and Treat Cardiovascular Diseases

### **Journal Reviewer**

- 2020-Present *Quality Management in Healthcare*
- 2019-Present *The Journal of Cardiovascular Nursing*
- 2018-Present *Circulation: Cardiovascular Quality and Outcomes*

2018-Present *Annals of Internal Medicine*

## **PROFESSIONAL ACTIVITIES**

### **Professional Associations and Committees**

#### **National**

2023-Present Member, American Heart Association, Center for Health Technology and Innovation, Health Tech Advisory Group, Subcommittee on Care Plans – Healthcare Professional Digital Health Coaching

2019-Present Member, American Society of Preventive Cardiology

2017-Present Member, American Heart Association

2017-Present Member, Preventive Cardiovascular Nurses Association

2013-Present Member, Sigma Theta Tau International Honor Society of Nursing (2023-2024, Governance Committee)

2015-2016 Member, American Association of Critical Care Nurses

2014-2016 Member, American Nurses Association

#### **Local**

2015-2016 Member, New Hampshire Nurses Association

2014 Member, Dartmouth-Hitchcock Nursing Evidence-Based Practice and Research Committee

## **COMMUNITY ACTIVITIES**

2023 Invited Oral Presentation, Monitoring Your Blood Pressure, Johns Hopkins Institute for Clinical and Translational Research, Living Healthy Banner Neighborhood Event

## Curriculum Vitae

### Part II

#### EDUCATIONAL ACTIVITIES

##### Classroom Instruction

###### Johns Hopkins University School of Nursing

Fall 2024	NR.210.803.8101 Nursing Inquiry for Evidence-Based Practice, Instructor/Grading Faculty, Doctor of Nursing Practice, 7 students
Spring 2024	NR.210.886.8101 Problem Discovery, Project Advisor/Grading Faculty, Doctor of Nursing Practice Exec/MPH, 7 students
Fall 2023	NR.210.803.8101 Nursing Inquiry for Evidence-Based Practice, Instructor/Grading Faculty, Doctor of Nursing Practice, 13 students
Summer 2023	NR.210.817.8201 Analysis and Evaluation of Individual and Population Health Data, Co-course Coordinator, Doctor of Nursing Practice, 123 students
Spring 2023	NR.210.887.8201 Project Advancement, Statistical Consultant, Doctor of Nursing Practice, 127 students
Spring 2023	NR.210.818.8201 Clinical Data Management and Analyses, Co-course Coordinator, Doctor of Nursing Practice, 68 students
Spring 2022	NR.210.899.8201 Project Evaluation, Co-course Coordinator, Doctor of Nursing Practice, 66 students
Spring 2021	NR.210.822.8101 Health Information Systems and Patient Care Technologies, Invited Guest Lecture, Doctor of Nursing Practice
Spring 2020	NR.210.818.8101 Clinical Data Management and Analyses, Co-course Coordinator, Doctor of Nursing Practice, 49 students
Summer 2019	NR.210.817.8101 Analysis and Evaluation of Individual and Population Health Data, Teaching Assistant, Doctor of Nursing Practice
Spring 2018	NR.120.519.8101 Population Health Leadership, Nurse Faculty for the Future Fellow/Teaching Assistant, Master's Entry into Nursing



Fall 2017 NR.120.515.0101/0201 Psychiatric Mental Health, Nurse Faculty for the Future Fellow/Teaching Assistant, Master's Entry into Nursing

### **ACADEMIC SERVICE**

2024-Present Member, Johns Hopkins School of Nursing, DNP Executive Admissions Committee

2023-Present Member, Johns Hopkins School of Nursing, Doctor of Nursing Practice Project Ethical Review Committee (PERC)

2023-2024 Co-lead, Johns Hopkins School of Nursing, Specialty Interest Group on Digital Literacy

### **MENTORING AND ADVISEMENT**

#### **Mentoring/Project Advisement**

##### **Research Honors Students**

2024-2025 Jordan Patterson, MSN (Entry into Nursing) student

2023-2024 Claire Zhang, MSN (Entry into Nursing) student, Project: Interest in Virtual Cardiac Rehabilitation by Qualifying Diagnosis Among Cardiac Inpatients

2018 Rebecca Knipp, MSN (Entry into Nursing) student, Project: Corrie Health and Cardiac Medication Adherence Post Myocardial Infarction

2017 Nina Allen, MSN (Entry into Nursing) student, Project: Corrie Health and Physical Activity Post Myocardial Infarction

##### **Doctor of Nursing Practice Students**

2024-2026 Katherine Ampolini, DNP Executive/MPH Student, Policy Project: The Great Divide: Improving Access to Quality Health Care in Rural Counties in the United States

2024-2026 Rashidah Chisolm, DNP Executive/MPH Student, Quality Improvement Project: Improving Health and Digital Literacy to Promote Follow-up Care Among Patients Post-Discharge

2024-2026 Marita Kametas, DNP Executive/MPH Student, Quality Improvement Project: Screening for Food Insecurity in Patients with Inflammatory Bowel Disease

- 2024-2026 Abbie Nelson, DNP Executive/MPH Student, Policy Project: The Urban Food Environment and the Rise of Diabetes and Obesity in Guatemala City
- 2024-2026 Devyn Nixon, DNP Executive/MPH Student, Policy Project: Mitigating Mistrust and Improving Health System Utilization for Black Americans
- 2024-2026 Meg Rowland Boyls, DNP Executive/MPH Student, Policy Project: Reducing Maternal Mortality in Tennessee
- 2024-2026 Nicholas Velasquez, DNP Executive/MPH Student, Policy Project: People Living with HIV: Chronic Lung Disease, Inequities in Lung Transplantation, and the HOPE Act
- 2022 Symone Everett-Day, AP-DNP Student, Quality Improvement Project: Preventing Pressure Injuries in the Intensive Care Unit Using a Bundled Skincare Algorithm
- 2022 Natasha Lawson, AP-DNP Student, Quality Improvement Project: Reducing Post-Operative Respiratory Failure on Medical-Surgical Units through a Nursing Best Practice Bundle, I-COUGH: A Quality Improvement Initiative
- 2022 Diana Lora, AP-DNP Student, Quality Improvement Project: Evaluating the Efficacy of a Co-designed Hospital-acquired Pressure Injury Prevention Bundle: A Quality Improvement Project
- 2022 Emily Monnett, AP-DNP Student, Quality Improvement Project: Improving Outpatient Follow-up Adherence in Pediatric Burn Patients after Emergency Department Discharge
- 2022 Harleen Singh, AP-DNP Student, Quality Improvement Project: A Pediatric Gastrostomy Tube Educational Video Initiative
- 2022 Emma Slas, AP-DNP Student, Quality Improvement Project: Increasing Communication Between School Nursing and Providers on Students with Asthma
- 2022 Jenna Spencer, AP-DNP Student, Quality Improvement Project: Enhancing Self-Efficacy for Emergency Nurses in the Event of Nonaccidental Trauma
- 2022 Anna Yoo, AP-DNP Student, Quality Improvement Project: The Effectiveness of Pressure Injury Prevention Education for Patient Care Technicians in an Adult Acute Care Setting

## Medical Students

- 2023-2024 Abel Cherian, The University of Arizona College of Medicine Tucson, Project: Interest in Digital Cardiac Rehabilitation is Similar Between Geriatric and Non-Geriatric Adults
- 2023 Vennela Avula, Johns Hopkins University School of Medicine, Project: Cardiac Inpatients are Highly Interested in Virtual Cardiac Rehabilitation