

Christopher M. Shea, PhD, MA, MPA

PERSONAL

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EDUCATION

- 2012** Certificate in Clinical Information Science, University of North Carolina-Chapel Hill, School of Information and Library Science
- 2008** Ph.D. in Public Administration, North Carolina State University, College of Humanities and Social Sciences, Department of Public Administration. Concentration in organizational theory. Dissertation title: "Understanding Sophistication in the Context of Electronic Medical Record Systems."
- 2004** Master's of Public Administration. North Carolina State University, College of Humanities and Social Sciences, Department of Public Administration.
- 1998** Master of Arts in English. West Virginia University, Eberly College of Arts and Sciences, Department of English.
- 1995** Bachelor of Business Administration. James Madison University, College of Business. Double major in Finance and English. *Cum Laude*

PROFESSIONAL EXPERIENCE

- 2018-Present** *Associate Professor*, Department of Health Policy and Management, Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2018-Present** *Adjunct Associate Professor*, Department of Social Medicine, School of Medicine, University of North Carolina at Chapel Hill
- 2015-Present** *Faculty Lead*, Dissemination and Implementation Science Methods Unit, North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill
- 2015** *Program Administrator*, Public Health Informatics Certificate, University of North Carolina at Chapel Hill

- 2012-2018** *Assistant Professor*, Department of Health Policy and Management, Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2010-Present** *Research Fellow*, Cecil G. Sheps Center for Health Services Research University of North Carolina at Chapel Hill
- 2009-2012** *Clinical Assistant Professor*, Department of Health Policy and Management, UNC Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2007-2011** *Director, Bachelor of Science in Public Health (BSPH) Program*, Department of Health Policy and Management, UNC Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2003-2007** *Research Coordinator*, Department of Health Policy and Administration, School of Public Health, University of North Carolina at Chapel Hill
- 1999-2009** *Clinical Instructor*, Department of Health Policy and Administration, School of Public Health, University of North Carolina at Chapel Hill
- 1999-2003** *Writing Consultant*, Kenan-Flagler Business School, University of North Carolina at Chapel Hill
- 1998-2003 *Academic Programs Coordinator*, Department of Health Policy and Administration, School of Public Health, University of North Carolina-Chapel Hill
- 1996-1998** *Graduate Student Course Instructor*, Department of English, Eberly College of Arts and Sciences, West Virginia University

HONORS

- 2013** American Medical Informatics Association, Distinguished Poster Award
- 2010** UNC APPLES Ueltschi Service-Learning Course Development Award
- 2009** UNC APPLES Service-Learning Course Development Award
- 2004** Inducted into Pi Alpha Alpha, the honor society for the National Association of Schools of Public Affairs and Administration

BIBLIOGRAPHY

Books and Book Chapters

Books

1. **Shea, C.M.**, & Garson, G.D. (Eds.). (2010). *Handbook of Public Information Systems* (3rd ed.). 520 pages. Boca Raton: Taylor and Francis.

Book Chapters

1. **Shea, C.M.** (2010). An Overview of Public-Sector Information Technology in the U.S. In B.W. Wirtz, *Handbuch E-Government*. 451-467. Wiesbaden, Germany: Gabler Verlag.
2. **Shea, C.M.** (2010). An Introduction to Public Information Systems. In C.M. Shea and G.D. Garson (Eds.), *Handbook of Public Information Systems* (3rd ed.): 3-6. Boca Raton: Taylor and Francis.
3. **Shea, C.M.** (2010). Advancing Public Information Systems Research: Clarifying Concepts and Testing Models. In C.M. Shea and G.D. Garson (Eds.), *Handbook of Public Information Systems* (3rd ed.): 483-487 Boca Raton: Taylor and Francis.

Refereed Articles (student/mentee co-author*)

1. Turner, K., Clary, A., Hong, Y.R., Tabriz, A.A., **Shea, C.M.** (2020). Patient portal barriers and group differences: A cross-sectional, national survey. *Journal of Medical Internet Research (JMIR)*, 22(9):e18870. doi: 10.2196/18870.
2. Armao, D; Hartman, T; Katz; **Shea, CM**; Yang, R; Smith, K; Quinsey, C. Radiation Safety Education and Diagnostic Imaging in Pediatric Patients with Surgically Treated Hydrocephalus: The Patient and Family Perspective. *Child's Nervous System*. (in press).
3. Stefan, M; Pekow, P; **Shea, CM**; Hughes, A; Hill, N; Steingrub, J; Lindenauer, P. (2020). Protocol for two-arm pragmatic cluster randomized hybrid implementation-effectiveness trial comparing two education strategies for improving the uptake of noninvasive ventilation in patients with severe COPD exacerbation. *Implementation Science Communications*. 1(1):46. doi: 10.1186/s43058-020-00028-2. Epub 2020 May 6. PMID: 32435762; PMC7223919
4. Reeves, K; O'Hare, K; Shade, L; Ludden, T; McWilliams, A; Manning, M; Hogg, M; Reynolds, S; **Shea, CM**; Burton, E; Calvert, M; Derkowski, D; Tapp, H. Evaluation of a Shared Decision Making Intervention for Pediatric Patients with Asthma in the Emergency Department. *Implementation Science Communications*: 1, 22. <https://doi.org/10.1186/s43058-020-00010-y>. PMCID: PMC7427946
5. Ernecoff, NC;* Wessell, KL; Hanson, LC; Dusetzina, SB; **Shea, CM**; Weinberger M, Bennett AV. (2020). Elements of Palliative Care in the Last 6 Months of Life: Frequency, Predictors, and Timing. *J Gen Intern Med*. 35(3), 753-761.
6. **Shea, CM**; Gertner, AK; Green, SL. (2019). Barriers and Perceived Usefulness of an ECHO Intervention for Office-Based Buprenorphine Treatment for Opioid Use Disorder in North Carolina: A Qualitative Study. *Substance Abuse*. 2019 Dec 6:1-11. doi: 10.1080/08897077.2019.1694617. PMID: 31809679
7. Ernecoff NC, Wessell KL, Hanson LC, **Shea CM**, Dusetzina SB, Weinberger M, Bennett AV. (2019) Does Receipt of Recommended Elements of Palliative Care Precede In-Hospital Death or Hospice Referral? *J Pain Symptom Manage*. pii: S0885-3924(19)30666-9. doi: 10.1016/j.jpainsymman.2019.11.011. PMID: 31836536
8. Renfro, CP; Turner, K; Desai, R; Counts, J; **Shea, CM**; Ferreri, SP. (2019). Implementation Process for Comprehensive Medication Review in the Community Pharmacy Setting. *J Am Pharm Assoc*. S1544-3191(19)30343-7. doi: 10.1016/j.japh.2019.07.007. PMID:31405803
9. Ernecoff NC,* Wessell KL, Hanson LC, Lee AM, **Shea CM**, Dusetzina SB, Weinberger M, Bennett AV. (2019). Electronic Health Record Phenotypes for Identifying Patients with Late-

- Stage Disease: a Method for Research and Clinical Application. *Journal of General Internal Medicine*. 2019 Aug 8:1-6. PMID: 31396813
10. Turner, K;* Weinberger, M; Renfro, C; Ferreri, S; Powell, BJ; Trogdon, J; Marks, N; Trygstad, T; **Shea, CM**. (2019). Stages of the innovation implementation process: Moving community pharmacies from a drug dispensing to population health management model. *Medical Care Research and Review*. doi: 10.1177/1077558719841159. PMID:30939978
 11. Alishahi Tabriz A; Birken S; **Shea CM**; Fried B, Viccellio P. (2019). What is full capacity protocol, and how is it implemented successfully? *Implementation Science*, 14(1), 73. doi: 10.1186/s13012-019-0925-z
 12. Drake, C;* Kirk, JK; Buse, JB; Edelman, D; **Shea, CM**; Spratt, S.; Young, LA; Kahkoska, AR. (2019). Characteristics and Delivery of Diabetes Shared Medical Appointments in North Carolina. *North Carolina Medical Journal*, 80(5):261-268. doi: 10.18043/ncm.80.5.261. PMID:31471505
 13. Birken, SA; Rohweder, C; Powell, BJ; **Shea, CM**; Scott, J; Leeman, J; Grewe, ME; Kirk, MA; Damschroder, L; Aldridge II, WA; Haines, ER; Straus, S; Presseau, J. (2018). T-CaST: An Implementation Theory Comparison and Selection Tool. *Implementation Science*, 13, 143. DOI: <https://doi.org/10.1186/s13012-018-0836-4>
 14. Smith, MG;* Ferreri, SP; Stafford, R; Teeter, B; Turner, K; Veach, S; **Shea, CM** (2018). Development of Community Pharmacy Characteristics Questionnaire: Application of Cognitive Interviewing. *Innovations in Pharmacy*, 9(3). DOI: <https://doi.org/10.24926/iip.v9i3.1349>
 15. Turner, K;* Weinberger, M; Renfro, C; Ferreri, S; Trygstad, T; Trogdon, J; **Shea, C**. (2018). The role of network ties to support implementation of a community pharmacy enhanced services network. *Research in Social and Administrative Pharmacy*. <https://doi.org/10.1016/j.sapharm.2018.09.015>
 16. **Shea, CM**; Turner, K;* Alishahi Tabriz, A;* North, S. (2018). Implementation strategies for telestroke: A qualitative study of telestroke networks in North Carolina. *Telemedicine and e-Health*. 2018 Sep 7. doi: 10.1089/tmj.2018.0131 [epub ahead of print]
 17. Turner, K; Trogdon, J; Weinberger, M; Stover, AM; Ferreri, S; Farley, JF; Ray, N; Patti, M; Renfro, C; **Shea, CM**. (2018). Testing the organizational theory of innovation implementation effectiveness in a community pharmacy medication management program: A hurdle regression analysis. *Implementation Science*, 13(5), 1-13. <https://doi.org/10.1186/s13012-018-0799-5>
 18. Armao, D; Hartman, TS; **Shea, CM**; Katz, L; Thurnes, T; Smith, JK. (2018). Maximizing Benefits and Minimizing Risks in Medical Imaging Use: An Educational Primer for Health Professions Students. *Journal of Medical Education and Curricular Development*, 5:2382120518798812. doi: 10.1177/2382120518798812
 19. Carter, JE; Pyati, S; Kanach, FA; Maxwell, AMW,; Belden, CM; **Shea, CM**; Van de Ven, T; Thompson, J; Hoenig, H; Raghunathan, K. (2018). Implementation of Perioperative Music Using the Consolidated Framework for Implementation Research. *Anesth Analg*. Jun 12. DOI: 10.1213/ANE.0000000000003565. [Epub ahead of print]
 20. **Shea, CM**; Alishahi Tabriz, A;* Turner, K;* North, S; Reiter, KL. (2018). Telestroke Adoption among Community Hospitals in North Carolina: a Cross-sectional Study. *Journal of Stroke and Cerebrovascular Diseases*. May 18. pii: S1052-3057(18)30208-8. DOI: 10.1016/j.jstrokecerebrovasdis.2018.04.032. [Epub ahead of print]
 21. Turner, K;* Renfro, C; Ferreri, S; Roberts, K; Pfeiffenberger, T; **Shea, CM**. (2018).

- Supporting community pharmacies with implementation of a web-based medication management application. *Applied Clinical Informatics Journal*, 9(2), 391-402. DOI: 10.1055/s-0038-1651488
22. **Shea, CM**; Turner, K;* Albritton, J;* Reiter, KL. (2018). Contextual factors that influence quality improvement implementation in primary care: the role of organizations, teams, and individuals. *Health Care Management Review*. March 12, 2018 doi: 10.1097/HMR.000000000000194 [ePub Ahead of Print]
 23. **Shea, CM**; Turner, K;* White, BA; Zhu Y; Rozier RG. (2018). Providers' preferences for pediatric oral health information in the electronic health record: a cross-sectional survey. *BMC Pediatrics*. Jan 11;18(1):5. PMID: PMC5765629
 24. Birken, SA; Powell, BJ; **Shea, CM**; Haines, ER; Kirk, MA; Leeman, J; Rohweder, C; Damschroder, L; Presseau, J. (2017). Criteria for selecting implementation science theories and frameworks: Results from an international survey. *Implementation Science*. 12:124 DOI 10.1186/s13012-017-0656-y
 25. Leeman, J; Birken, SA; Powell, BJ; Rohweder, C; **Shea, CM**. Beyond "implementation strategies": Classifying the full range of strategies used in implementation science and practice. (2017). *Implementation Science*. 12:125 DOI 10.1186/s13012-017-0657-x
 26. Birken, SA; Bunger, A.; Powell, BJ; Turner, K*; Clary, AS; Klamon, SL; Yu, Y; Whitaker, DJ; Self, SR; Rostad, WL; Shanley Chatham, JR; Kirk, MA; **Shea, CM**; Haines, E; Weiner, BJ. (2017). Organizational theory for dissemination and implementation research. *Implementation Science*. 12:62. 1-15. PMID 28499408
 27. **Shea, CM**; Young, T; Powell, BJ; Rohweder, CL; Enga, ZK; Scott, JE; Carter-Edwards, L; Corbie-Smith, GM. (2017). Researcher Readiness for Participating in Community-Engaged Dissemination and Implementation Research: A Conceptual Model of Core Competencies. *Translational Behavioral Medicine*. Sep;7(3):393-404. doi: 10.1007/s13142-017-0486-0. PMID 28341897
 28. Sanders, K; Wolcott, M; D'Ostroph, A; McLaughlin, J; **Shea, CM**; Pinelli, N. (2017). Organizational readiness for change: Preceptor perceptions regarding early immersion of student pharmacists in health-system practice. *Research in Social and Administrative Pharmacy*. Sep - Oct;13(5):1028-1035. doi: 10.1016/j.sapharm.2017.03.004. PMID 28356213
 29. Bunger, AC; Powell, BJ; Robertson, HA; MacDowell, H; Birken, SA; **Shea, CM**. (2017). Tracking Implementation Strategies: A Description of a Practical Approach and Early Findings. *Health Research Policy and Systems*, 15:15. 1-12. PMID 28231801
 30. Smith MG, Ferreri SP, Brown P, Wines K, **Shea CM**, Pfiennenberger T. (2017). Implementing an Integrated Care Management Program in Community Pharmacies: A Focus on Medication Management Services. *Journal of the American Pharmacy Association*; 57(2): 229-235. PMID 28173993
 31. Smith MG, **Shea CM**, Brown P, Wines K, Farley JF, Ferreri SP. (2017). Pharmacy Characteristics Associated with the Provision of Medication Management Services within an Integrated Care Management Program. *Journal of the American Pharmacy Association*; 57(2): 217-221. PMID 28173992
 32. Birken, SA; Powell, BJ; Presseau, J; Kirk, MA; Lorencatto, F; Gould, NJ; **Shea, CM**; Weiner, BJ; Francis, JJ; Yu, Y; Haines, E; Damschroder, LJ. (2017). Combined use of the Consolidated Framework for Implementation Research (CFIR) and the Theoretical Domains Framework (TDF): A systematic review. *Implementation Science*. 12:2. 1-14. PMID

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33. Carney, T.J. & **Shea, CM**. (2017). Informatics Metrics and Measures for a Smart Public Health Systems Approach: Information Science Perspective. *Computational and Mathematical Methods in Medicine*. vol. 2017, Article ID 1452415. 1-12. PMID 28167999
34. Khan, S*; **Shea, CM**; Qudsi, HK. (2017). Barriers to Local Public Health Chronic Disease Surveillance through Health Information Exchange: A Capacity Assessment of Health Departments in HINSTX. *Journal of Public Health Management & Practice*; 23(3): e10-e17. PMID 27798532
35. Glickman, SW; Mehrotra, A; **Shea, CM**; Mayer, C; Strickler, J; Pabers, S; Larson, J; Goldstein, B; Mandelkehr, L; Cairns, C; Pines, JM; Schulman, K. (2016). A Patient Reported Approach to Identify Medical Errors and Improve Patient Safety in the Emergency Department. *Journal of Patient Safety*. November 2, 2016. [ePub ahead of print]. 1-5. PMID 27811598
36. Armao, D; Hartman, T; **Shea, CM**; Sams, C; Ivanovic, M; Fordham, LA; Smith, JK. (2016). A Toolkit for Pediatric CT Dose Reduction in Community Hospitals. *Journal of the American College of Radiology*; 13(11):1337-1342. PMID 27289341
37. **Shea, CM**; Reiter, KL; Weaver, MA; Albritton, J*. (2016). Quality Improvement Teams, Super-users, and Nurse Champions: A recipe for Meaningful Use? *Journal of the American Medical Informatics Association*; 23(6): 1195-1198. PMID 27107442
38. Turner, K*; Klamon, SL*; **Shea, CM**. Personal health records for people living with HIV: a review. (2016). *AIDS Care*; 28(9):1181-1187. PMID 26917113
39. **Shea, CM** & Belden, CM*. (2016). What is the extent of research on the characteristics, behaviors, and impacts of health information technology champions? A scoping review. *BMC Medical Informatics and Decision Making*; 16:2. 1-17. PMID 26754739
40. Mayer, MK*; Urlaub, DM; Guzman-Corrales, LM; Kowitt, SD; **Shea, CM**; Fisher, EB. (2016). "They're doing something that actually no one else can do": A qualitative study of peer support and primary care integration. *Journal of Ambulatory Care Management*; 39(1):76-86 PMID 26650748
41. **Shea, CM**; Reiter, KL; Weaver, MA; Thornhill, J; Malone, R. (2015). Associations between Ambulatory Practice-Setting Characteristics and Demonstration of Stage 1 Meaningful Use Objectives for the EHR Incentive Program: A Descriptive Study at an Integrated Delivery System. *North Carolina Medical Journal*, 76(5). PMID 26946855
42. **Shea, CM**; Jacobs, SR*; Esserman, DA; Bruce, K; Weiner, BJ. (2014). Organizational readiness for implementing change: a psychometric assessment of a new measure. *Implementation Science*; 20:7. DOI:10.1186/1748-5908-9-7. PMID 24410955 PMC3904699
43. **Shea, CM**; Reiter, KL; Weaver, MA; McIntyre, M*; Mose, J*; Thornhill, J; Malone, R; Weiner, BJ. (2014). Stage 1 of the meaningful use incentive program for electronic health records: a study of readiness for change in ambulatory practice settings in one integrated delivery system. *BMC Medical Informatics and Decision Making*; 14:119 DOI:10.1186/s12911-014-0119-1 PMID 25495926
44. Daaleman, TP; **Shea, CM**; Halladay, J; Reed, DA. (2014). Method to Determine the Impact of Patient-Centered Care Interventions in Primary Care. *Patient Education and Counseling*; 97(3): 327-331. DOI: 10.1016/j.pec.2014.09.009 PMID 25269410
45. Fabrizio, CS* & **Shea, CM**. (2014). Disseminating a cervical cancer screening program through primary care physicians in Hong Kong: a qualitative study. *BMC Health Services Research*; 14:85. DOI: 10.1186/1472-6963-14-85. PMID 24568606 PMC3975957

46. **Shea, CM**; Teal, R; Haynes-Maslow, LM*; McIntyre, MR*; Weiner, BJ; Wheeler, SB; Jacobs, SR*; Mayer, DK; Young, MD; Shea, TC. (2014). Assessing the feasibility of a virtual tumor board program: a case study. *Journal of Healthcare Management*, 59(3): 177-194. PMID 24988672 PMC4116610.
47. **Shea, CM**; Malone, R; Weinberger, M; Reiter, KL; Thornhill, J; Lord, J; Nguyen, N*; Weiner, BJ. (2014). Assessing organizational capacity for achieving meaningful use of electronic health records. *Health Care Management Review*; 39 (2): 124-133. PMID 23380882 PMC3674222
48. **Shea, CM**; Weiner, BJ; Belden, CM*. (2013). Using latent class analysis to identify sophistication categories of electronic medical record systems in U.S. acute care hospitals. *Social Science Computer Review*; 31(2):208-220. PMID 24244071 PMC3826986
49. **Shea, CM**; Halladay, JR; Reed; D; and Daaleman, TD. (2012). Integrating a health-related-quality-of-life module within electronic health records: a comparative case study assessing value added. *BMC Health Services Research*; 12:67. 1-11. PMID 22429407 PMC3359182
50. Halladay, J; **Shea, CM**; Reed; D; and Daaleman, TD. (2012). An academic-industry collaboration to develop an EHR module for primary care. *Primary Health Care: Open Access*; 2:111. 1-9. PMID 24040578 PMC3771108

Manuscripts Submitted for Journal Review (student/mentee co-author*)

1. Khairat, S; et al. Measuring the Effects of COVID-19 Telehealth Policy Expansions on Health Access and Virtual Care Practice
2. Ismail, M et al. The determinants of implementation and sustainment of health education interventions for Spanish-speaking diabetics at a free clinic
3. **Shea, CM**. A theory of Innovation Champion Impact.

Refereed Oral Presentations and Posters (student/mentee co-author*)

1. **Shea, CM** "The University of North Carolina's approach to advancing implementation science: The dissemination and implementation methods unit." (podium). Presented at the Annual Conference on the Science of Dissemination and Implementation; Arlington, VA, December 5, 2019
2. Alishahi Tabriz A, Birken S, **Shea CM**, Fried B, Viccellio P. "What is full capacity protocol, and how is it implemented successfully?" Presented at the 12th Annual Conference on the Science of Dissemination and Implementation; Arlington, VA, December 4, 2019.
3. Alishahi Tabriz A, Birken S, **Shea CM**, Fried B, Viccellio P. "Determinants of Adoption and Implementation of Full Capacity Protocols in U.S. Hospitals," (poster). Presented at the AcademyHealth Annual Research Meeting; Washington D.C, June 2019.
4. Green, S; Rotter, J; Gertner, A; **Shea, C**; Domino, M. "Patterns of opioid-related disorder diagnoses and treatment in Medicaid and private insurance claims from a high opioid overdose burden state." (poster). Presented at the Annual Public Health Association Meeting; San Diego, CA; November 11, 2018.
5. Murphy, RE; **Shea, CM**; Kitzmiller, R. "Effective change management techniques for health IT implementation and optimization." (podium / half-day tutorial session). Presented at the American Medical Informatics Association 2018 Annual Symposium; San Francisco, CA; November 3, 2018.

6. Tabriz AA, * Birken SA, Fried B, **Shea CM**, Tintinalli JE. "Determinants of Full Capacity Protocol Implementation: A Qualitative Study," (oral presentation). Presented at the American College of Emergency Physicians Scientific Assembly 18; San Diego, CA, October 2018.
7. Turner, K*, **Shea, C.M.**, Renfro, C., Ferreri, S., Weinberger, M., & Trygstad, T. "Stages of innovation implementation process: Piloting a Medicaid population health management intervention in community pharmacies," (podium). Presented at 10th Annual Conference on the Science of Dissemination and Implementation in Health; Arlington, VA, December 4, 2017.
8. **Shea, CM**, Turner, K, Alisha-Tabriz, A; North, S; Reiter, K. Telestroke network development and maintenance in North Carolina," (poster). Presented at 10th Annual Conference on the Science of Dissemination and Implementation in Health; Arlington, VA, December 4, 2017.
9. Scott, J; Rohweder, C; Birken, S; Carter-Edwards, L; Leeman, J; Powell, B; **Shea, C.** "Development and evolution of the Implementation Science Exchange (ImpSciX)," (poster). Presented at 10th Annual Conference on the Science of Dissemination and Implementation in Health; Arlington, VA, December 5, 2017.
10. Murphy, RE; **Shea, CM**; Kitzmiller, R. "Effective change management techniques for health IT implementation and optimization." (podium / half-day tutorial session). Presented at the American Medical Informatics Association 2017 Annual Symposium; Washington DC, November 4, 2017.
11. Ferreri, S; **Shea, CM**, Smith, M; Turner, K*. "Implementation of an integrated care management program in community pharmacies: Identifying barriers and employing implementation strategies." (podium / panel). Presented at the 9th Annual Conference on the Science of Dissemination and Implementation in Health; Washington DC, December 14, 2016.
12. **Shea, CM** & Turner, K*. "Implementation strategies for addressing barriers to population health management in community pharmacies participating in a statewide pharmacy care management network." (poster). Presented at the 9th Annual Conference on the Science of Dissemination and Implementation in Health; Washington DC, December 14, 2016.
13. **Shea, CM**; Young, T; Powell, BJ; Rohweder, CL; Enga, ZK; Scott, JE; Carter-Edwards, L; Corbie-Smith, GM. "Developing a framework of competencies for assessing researcher readiness to conduct community-engaged dissemination and implementation research." (poster). Presented at the 9th Annual Conference on the Science of Dissemination and Implementation in Health; Washington DC, December 14, 2016.
14. Turner, K* & **Shea, CM**. "Implementation strategies to address information-related barriers for community pharmacies participating in a statewide pharmacy care management network." (poster, nominated for distinguished poster award). Presented at the American Medical Informatics Association 2016 Annual Symposium; Chicago, IL, November 14, 2016.
15. Murphy, RE; **Shea, CM**; Kitzmiller, R. "Effective change management techniques for health IT implementation and optimization." (podium / half-day tutorial session). Presented at the American Medical Informatics Association 2016 Annual Symposium; Chicago, IL, November 14, 2016.
16. Armao, D; Hartman, T; **Shea, CM**; Sams, C, Carey, T; Fordham, LA; Ivanovic, M; Smith, K. "Pediatric CT dose optimization: a practical approach to a pressing problem." (poster) Presented at American Public Health Association Annual Meeting, Denver, CO. October 31, 2016.

17. Sanders, KA*; Wolcott, MD; D'Ostroph, A*; **Shea, CM**; McLaughlin, J; Pinelli, N. "Organizational readiness for early immersion of student pharmacists in health-system practice." (poster). Presented at American Association of Colleges of Pharmacy Annual Meeting, Anaheim, CA, July, 25, 2016.
18. Ferreri, S; **Shea, C**; Brown, P*; Smith, M*; Pfeiffenberger, T; Farley, J. "An assessment of the characteristics and readiness of community pharmacies participating in a chronic care management program." (poster). Presented at the American Pharmacists Association Annual Meeting & Exposition; Baltimore, MD, March 5, 2016.
19. Brown, P*; Branham, A; **Shea, C**; Pfeiffenberger, T; Ferreri, S. "Evaluation of a workflow-support intervention for community pharmacies participating in a pharmacy care management program." (poster). Presented at the American Pharmacists Association Annual Meeting & Exposition; Baltimore, MD, March 5, 2016.
20. Smith, M*; Brown, P*; **Shea, C**; Ferreri, S. "Barriers to providing comprehensive medication reviews in community pharmacies." (poster). Presented at the American Pharmacists Association Annual Meeting & Exposition; Baltimore, MD, March 5, 2016.
21. D'Ostroph, A*; Sanders, K*; **Shea, C**; McLaughlin, J; Pinelli, N. "Preceptor perceptions of early immersion of student pharmacists in health-system practice." (poster). Presented at the American Pharmacists Association Annual Meeting & Exposition; Baltimore, MD, March 5, 2016.
22. Song, PH; Belden, CM*; **Shea, CM**; Reiter, KL; Fisher, E. "Understanding the business case for peer support programs." (poster). Presented at Academy Health Annual Research Meeting 2015; Minneapolis, MN, June 15, 2015.
23. Chung, A; Treiman, K; Moore, C; **Shea, C**; Wald, J. "Stage 3 Meaningful Use and patient-generated health data (PGHD): outpatient stakeholder perspectives on how to make PGHD meaningful." (poster). Presented at the American Medical Informatics Association 2014 Annual Symposium; Washington D.C., November 17, 2014.
24. Chung, A & **Shea, C**. "After-visit Clinical Summaries: What is meaningful to patients?" (poster, winner of distinguished poster award). Presented at the American Medical Informatics Association 2013 Annual Symposium; Washington D.C., November 18, 2013.
25. **Shea, C**; Malone, R; Weinberger, M; Weiner, B; Reiter, K; Thornhill, J; Lord, J; Nguyen, N.* "Assessing organizational capacity for achieving EHR Meaningful Use." (poster). Presented at the Association for Clinical and Translational Science meeting; Washington D.C., April 19, 2012.

Refereed Abstracts

1. Tabriz AA, Birken SA, Fried B, **Shea CM**, Tintinalli JE. (2018). Determinants of Full Capacity Protocol Implementation: A Qualitative Study. *Annals of Emergency Medicine*; 72(4):S10.
2. **Shea CM**; Malone R; Weinberger M; Weiner B; Reiter K; Thornhill J; Lord J; Nguyen N. Assessing Organizational Capacity for Achieving EHR Meaningful Use. *Clinical and Translational Science*; 5(2): 157-8. doi: 10.1111/j.1752-8062.2012.00398.x

Other Works

Technical Reports

1. Wald, JS; Haque, S; Treiman, K; Bagwell, J; Brown, S; Cunningham, S; Moore, C; Chung, A; **Shea, C**; Travers, D; Rosenbloom, ST; Olsen, A. Evaluation of Stage 3 Meaningful Use Objectives: North Carolina and Tennessee - Final Report. (Prepared by RTI International under Contract No. HHS 290-201000241). AHRQ Publication No.15-0022-EF. Rockville, MD: Agency for Healthcare Research and Quality. February 2015..
<http://healthit.ahrq.gov/ahrq-funded-projects/evaluation-stage-3-meaningful-use-objectives-analysis-nc-and-tn/final-report>

Invited (Unrefereed) Articles

1. Armao, D; Hartman, T; **Shea, CM**; Sams, C, Fordham, LA; Smith, K. (2016). Working Face-to-Face for Pediatric CT Dose Reduction: A Community Toolkit. *Diagnostic Imaging Europe*: 32(5): 10-13.
2. Leatt, P., **Shea, C.**, Studer, M., and Wang, V. (2006). IT Solutions for Patient Safety - Best Practices for Successful Implementation in Healthcare. *Electronic Healthcare* 4(3): 94 -104.

Invited Oral Presentations and Posters (student/mentee co-author*)

1. **Shea, CM**. "Organizational Readiness for Change: Theory, Measurement, and Application," oral presentation at the Thurston Arthritis Research Center, Chapel Hill, NC, September 25, 2019.
2. **Shea, CM**. "EHR Implementation Strategies: Assessing Readiness, Champions, and Quality Improvement Teams," oral presentation to the Durham Center for Health Services Research in Primary Care, Durham Veterans Affairs Medical Center, Durham, NC, September 2017.
3. **Shea, CM**; Birken, SA; Carter-Edwards, L; et al. "Dissemination and Implementation Science Methods Unit," a poster presented at the Toward a Carolina Improvement Science Initiative Lightning Symposium, Chapel Hill, North Carolina, May 2017.
4. **Shea, CM** & Rohweder, CL. "Dissemination and Implementation Activities at UNC's CTSA," webinar presentation given to the national CTSA Dissemination, Implementation, and Knowledge Transfer Workgroup, May 16, 2017.
5. **Shea, CM** & Rohweder, CL. "The Community Engaged Resources for Engaged Scholarship (CARES) D&I Methods Unit: Where we have been, where we are now, where we are going," oral presentation at the NC TraCS CARES and Partners Meeting, Chapel Hill, North Carolina, May 2017.
6. **Shea, CM**. "Organizational Change, Implementation Science, and Health Informatics," oral presentation given at the UNC Business of Healthcare Convocation, Chapel Hill, North Carolina, January 2017.
7. **Shea, CM** & Belden, CM*. "Implementing Meaningful Use of the EHR: An organizational change perspective," oral presentation at the North Carolina Network Consortium Primary Care Conference, Charlotte, NC, April 13, 2013.
8. **Shea, CM**; Teal,R; McIntyre, M*; Haynes-Maslow, L*; Weiner, BJ; Wheeler, S; Mayer,D.; Young, M; Shea, T. "Improving Cancer Care Quality with Virtual Tumor Boards using Videoconferencing Technology," poster presentation at the UNC Lineberger Comprehensive Cancer Center, Cancer Prevention and Control Program quarterly meeting, Chapel Hill, NC, March 2013.

9. **Shea, CM**; Malone, R.; Weinberger, M.; Reiter, **KL.**; Thornhill, J.; Lord, J.; Nguyen, N.; Weiner, BJ. "Organizational capacity and readiness for meaningful use of the EHR," oral presentation given at the UNC Public Health Informatics Workshop, Chapel Hill, NC, September 2012.
10. **Shea, C.**; Malone, R.; Weinberger, M.; Weiner, B.; Reiter, K.; Thornhill, J.; Lord, J.; Nguyen, N.* "Assessing Capacity and Readiness for Change to Achieve Meaningful Use of WebCIS in Ambulatory Care Settings," poster presentation at the UNC Health Care System Quality Expo, Chapel Hill, NC October 2011.

TEACHING AND MENTORING ACTIVITIES

Courses Taught (2013-2019)

- Spring 2020* Implementing Health Informatics Initiatives (HPM 620, section 1), 22 students
- Fall 2019* Advanced Health Services Research Methods and Applications (HPM 886, section 1), 9 students
- Summer 2019* Leadership in Health Informatics (HPM 940, section 1), 12 students
- Spring 2019* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 29 students
- Fall 2018* Advanced Health Services Research Methods and Applications (HPM 886, section 1), 12 students
- Summer 2018* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 29 students
- Spring 2018* Implementing Health Informatics Initiatives (HPM 620, section 1), 23 students
- Spring 2018* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 23 students
- Summer 2017* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 27 students
- Spring 2017* Implementing Health Informatics Initiatives (HPM 620, section 1), 10 students
- Spring 2017* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 10 students
- Fall 2016* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 14 students
- Summer 2016* Health IT and Informatics, a one-week module in the course Introduction to Healthcare Organizations and Policy (MBA 749 / HPM 795), 28 students

- Spring 2016* Implementing Health Informatics Initiatives (HPM 620, section 1), 5 students
- Fall 2015* Leadership in Health Informatics (HPM 940, section 1), 12 students
- Summer 2015* Leadership in Health Informatics (HPM 940, section 1), 12 students
- Spring 2015* Implementing Health Informatics Initiatives (HPM 620, section 1), 12 students
- Fall 2014* Implementation Science, a 4-week module in the course Advanced Applications in Health Services Research Methods (HPM 886, section 1), 15 students
- Spring 2014* Implementing Health Informatics Initiatives (HPM 620, section 1), 28 students
- Spring 2013* Implementing Health Informatics Initiatives (HPM 690, section 1), 23 students

Guest Lectures in Courses

1. September 2020, "Organizations, Technology, and Implementation," presented in Research Seminar in Health Policy and Management (HPM 873), taught by George Pink and Mark Holmes, Gillings School of Global Public Health, UNC-Chapel Hill.
2. April 2020, "Implementation Science and Disparities Research," presented in Translational Health Disparities: Research, Practice & Policy (HPM 830), taught by Peggye Dilworth-Anderson, Gillings School of Global Public Health, UNC-Chapel Hill.
3. February 2020, "Publishing: Selecting a Journal and Responding to Reviewer Comments," presented in Advanced Research Seminar in Health Policy and Management (HPM 874), taught by Alex White, Gillings School of Global Public Health, UNC-Chapel Hill.
4. January 2020, "Qualitative Methods: An overview and application," presented in Foundations of Implementation Science (PHRS 815), taught by Megan Roberts, School of Pharmacy, UNC-Chapel Hill.
5. October 2019, "Assessing Organizational Readiness for Change," presented in Research Seminar in Health Policy and Management (HPM 873), taught by George Pink and Mark Holmes, Gillings School of Global Public Health, UNC-Chapel Hill.
6. March 2019, "Organizational Readiness for Change," presented in Implementation Science in Health (HPM 767), taught by Byron Powell.
7. October 2018, "Improving Researcher-Community Partnerships," presented in Research Seminar in Health Policy and Management (HPM 873), taught by George Pink and Mark Holmes, Gillings School of Global Public Health, UNC-Chapel Hill.
8. February 2018, "Readiness for Community-Engaged Dissemination and Implementation Research," presented in the Health Policy and Management Departmental Research Seminar.
9. October 2017, "An Overview of Health Informatics for Health Policy and Management," presented in Overview to Health Services Research/Health Policy (HPM 884), taught by Morris Weinberger, Gillings School of Global Public Health, UNC-Chapel Hill.
10. October 2017, "Health Informatics and Implementation Research," presented in Research Seminar in Health Policy and Management (HPM 873), taught by George Pink and Mark

Holmes, Gillings School of Global Public Health, UNC-Chapel Hill.

11. September 2017, "Health Informatics and Implementation Research," presented in Health Informatics Seminar in the Carolina Health Informatics PhD Program, taught by David Potenziani, UNC-Chapel Hill.
12. October 2016, "Informatics, Implementation, and Organizational Change," presented in Research Seminar in Health Policy and Management (HPM 873), taught by Daniel Lee, Gillings School of Global Public Health, UNC-Chapel Hill.
13. November 2015, "Organizational Readiness for Change," presented in Improving Quality, Safety, and Outcomes in Health Care Systems (N874), taught by Rebecca Kitzmiller, School of Nursing, UNC-Chapel Hill.
14. October 2015, "Informatics in Health Care & Public Health: What is it, and why should you care?" presented in Research Seminar in Health Policy and Management (HPM 873), taught by Asheley Skinner, Gillings School of Global Public Health, UNC-Chapel Hill.
15. April 2015, "Doing Health Services/Policy Research: The Way the Game Works," faculty panel discussion in Health Services/Health Policy Research Methods II (HPM 885), taught by Joe Morrissey, Gillings School of Global Public Health, UNC-Chapel Hill.
16. September 2014, "Electronic Health Records Implementation and Organizational Change," presented at the Health Care Quality and Patient Outcomes Seminar in the School of Nursing, UNC-Chapel Hill.
17. September 2014, "Electronic Health Records, Quality Improvement, and Organizational Change," presented in Research Seminar in Health Policy and Management (HPM 873), taught by Antonia Bennett, Gillings School of Global Public Health, UNC-Chapel Hill.
18. April 2014, "Implementation of electronic health records," presented at the Division of Pharmaceutical Outcomes and Policy seminar, School of Pharmacy, UNC-Chapel Hill.
19. November 2013, "Health informatics projects: the implementation challenge," presentation sponsored by the Student Global Health Committee, Gillings School of Global Public Health, UNC-Chapel Hill.
20. October 2013, "Promoting effective use of health information systems," presented at the Lunch with the Dean series, Gillings School of Global Public Health, UNC-Chapel Hill.
21. October 2013, "Implementation science: an organizational perspective," presented in Interdisciplinary Perspectives in Global Health (PUBH 510), taught by Peggy Bentley and Mamie Sackey, Gillings School of Global Public Health, UNC-Chapel Hill.
22. October 2013, "Implementation of electronic health records," presented in Research Seminar in Health Policy and Management (HPM 873), taught by Antonia Bennett, Gillings School of Global Public Health, UNC-Chapel Hill.
23. September 2012, "Organizational capacity and readiness for meaningful use of the EHR: clarifying concepts and developing measures," presented in Research Seminar in Health Policy and Management (HPM 873), taught by Bryce Reeve, Gillings School of Global Public Health, UNC-Chapel Hill.
24. April 2012, "Health Informatics and Decision Making," presented to the Informed Decision Making in Cancer Care (HPM 768) course, taught by Bryce Reeve, Gillings School of Global Public Health, UNC-Chapel Hill.

Doctoral Dissertations Supervised (committee chair*)

1. *Rosemarie Almonte, DrPH Student, TBD (2020-present).

2. Marc Caruana, DrPH Student, Academic Health Centers and Social Determinants of Health: Community Health Improvement, (2020-present).
3. *Sepheen Byron, DrPH Student, State Levers Related to Health Information Exchange, (2019-present).
4. Bryan Hatcher, DrPH Student, Accelerating Trauma-Informed Care Practices into Clinical Settings to Address Patients' Adverse Childhood Experiences (2019-present).
5. Adam Lee, PhD Student (Informatics), Implementation barriers within clinical workflows (2019-present).
6. Manish Kumar, PhD Student (Informatics), Global Digital Health Implementation, (2018-present)
7. *Amber Hailey, PhD Student, Social needs screening in community health centers: investigating implementation context, strategies, and outcomes, (2018-present)
8. Sheila Patel, PhD Student, The impact of a multifaceted QI intervention and the influence of teams, (2018-2020)
9. *Connor Drake, PhD Student, Evaluating the Protocol for Responding to and Assessing Patients' Assets, Risks, and Experiences (PRAPARE) Tool (2018-present)
10. Mohamed Ismail, DrPH Student, Improving the Care for People with Diabetes in a Free Clinic Setting (2018-2020)
11. Oscar Fleming, DrPH Student, Organizing the Workforce to Improve Child Well-being: A Qualitative Study of Implementation Teams in Complex Systems (2017-present)
12. Natalie Ernecoff, PhD Student, Palliative Care for Patients with Serious Illness: Symptoms, Goals, and Spiritual Care in the Last Six Months of Life. (2017-2019)
13. Janell Wright, DrPH Student, Impact of HIV Project ECHO Intervention in Kazakhstan (2017-2018)
14. *Kea Turner, PhD Student, Piloting a Medicaid population health management intervention in community pharmacies: An implementation study. (2016-2018)
15. Evan Simpson, DrPH Student, Assessing the Organizational Readiness of the Zambia Ministry of Health to Adopt a "Next Generation" Immunization Supply Chain System. (2016-2018)
16. Amir Alishahitabriz, PhD Student, Full-capacity Protocol Implementation in Emergency Departments. (2016-2018)
17. David Nimke, DrPH Student, Data mining electronic healthcare records to increase the speed and quality of drug safety signal detection. (2015-2018)
18. Rachel Machta, PhD Student, Implementation and Delivery of a Hospital Transitional Care Program. (2014-2016)
19. *Shannon Stokely, DrPH Student, Consumer access to immunization information systems: evaluation of a five-state pilot project. (2014-2016)
20. Diana Derige, DrPH Student, Breastfeeding among U.S. Latinas: Untangling Pan ethnic identity to inform health prevention planning. (2014-2016)
21. Jason Mose, PhD Student, Hospital Electronic Medical Records and Care Quality. (2014-2016)
22. *Saad Khan, DrPH Student, Enabling chronic disease surveillance: Public health preparedness to leverage health information exchange in South Texas. (2012-2014)
23. Tim King, DrPH Student, Pharmaceutical Research and Development: A Key Informant Assessment of Whether an "Open-Science" Model Could Improve Clinical Research in Terms of Quality and Efficiency. (2012-2013)

24. *Cecilia Fabrizio, DrPH Student, The Hong Kong Cervical Screening Programme: An Exploration of Factors Affecting Physicians' Adoption of the Innovation. (2010-2011)

Master's Papers Supervised (primary advisor*)

1. *Luzita Francis, MSIS/MHA Student, Telehealth service adoption in North Carolina (2019-present).
2. *Estella B. Obi-Tabot, MSPH Student, Improving the Health Data Infrastructure in US Virgin Islands. (2019-2020)
3. Mahaya Walker, MPH Student at Yale School of Public Health, Perspectives of Community Based Organizations on Research Capacity and Engagement: A Qualitative Analysis. (2018-2019).
4. *Sam Johns, MBA/MHA Student, A Review of Telestroke Outcomes and Processes (2018-2019).
5. *Katie Tirtanadi, MSPH Student, Algorithmic Culture in Health Care (2018-2019).
6. *Tina Simpson, MSPH Student, Evaluating an Organizational Readiness Assessment for use by staff in Skilled Nursing Facilities. (2017-2018)
7. Kathleen Knocke, MSPH Student, Implementation Cost Reporting in Trauma-Focused Cognitive Behavioral Therapy: A Systematic Review. (2017-2018)
8. *Emilia Ndely, MBA/MHA Student, Creating a Data Driven Culture: Hospital Readiness to Utilize "Big" Data to Inform Strategic and Operational Decisions. (2015)
9. *Melissa Callaham, MSPH Student, Information Management: An Opportunity to Improve Evidence-Based Decision Making in Zambia. (2013-2014)
10. *Vann Newkirk, MSPH Student, Assessing North Carolina's Public Health Capabilities for Meaningful Use. (2011-2012)

Undergraduate Honors Theses Supervised (primary advisor*)

1. Yurhee Lee, (2012-2013) Evaluating Impacts of TeamSTEPPS Implementation on Outcomes in the Operating Room. (2012-2013)
2. *Lauren Blanchett, Physician Champions and Quality Improvement Initiatives: A Systematic Review. (2011-2012)
3. Benjamin Sines, Patient Socio-economic Status and the Effect on Physician-Patient Relations. (2010-2011)
4. Sabina Ahmad, Assessing Geographic Distance as a Barrier to Dental Care for Early Head Start Enrollees in North Carolina. (2010-2011)
5. *Bita Emrani, Improving Primary Health Care Provision to Karen Refugees in Chapel Hill & Carrboro. (2009-2010)
6. *Setu Shah, Factors Affecting Perceptions of a Health Information Technology Vendor. (2009-2010)
7. *Dharmi Tailor, Improving the Relationship between Physicians and In-house Legal Counsel at UNC Health Care. (2009-2010)
8. Brittany Giles, North Carolina School-Based Health Centers: Methods of Promoting High School Student Health Status and Academic Performance. (2009-2010)

9. *Laura Dickson, The Evolution of Five Southern SCHIP Programs. (2007-2008)
10. *Lindsey Haynes, Exploring How Children's Literature Can Enhance Pediatric Patients' Understanding of Their Medical Illnesses. (2007-2008)
11. *Kirkland Lynch, State Gun Policy Analysis: The Effect of America's State Gun Policies on States' Homicide by Firearm Rates. (2007-2008)
12. *Kaili Mumme, Exploring Barriers to Access for Emergency Contraception in Four Counties of North Carolina. (2007-2008)
13. *Kathryn Shaia, Access to Consumer Health Libraries and Patient Perception of Quality of Care. (2007-2008)
14. Stacy Michal, Understanding Child Abuse and Maltreatment in South Africa: A Systematic Literature Review. (2007-2008)
15. Kim Miller, An Analysis of Physical Therapy Funding in North Carolina. (2007-2008)
16. Jennifer Cox, Health Savings Accounts and other Health Care Plans: What Do College Students Know? (2006-2007)
17. Josette Gbemudu, Redressing the Balance: Perceptions of "Brain Drain" Among Professionals in West African Associations. (2006-2007)
18. *Shannon Mills, Organizational Change: The Planetree Initiative Implementation at UNC's Department of Rehabilitation in Chapel Hill, North Carolina. (2005-2006).
19. Suha Patel, The Sustainability of HIV Intervention Programs for Sex Workers in India. (2005-2006)
20. Jada Keith, Prostate Cancer Screenings: Misconceptions and Beliefs among Men in Pender County, North Carolina. (2005-2006)

Teaching Fellows Supervised

Fall 2008 Monique Cohen, HPAA 220: Business Writing for Health Administrators
 Fall 2007 Rene Sterling, HPAA 220: Business Writing for Health Administrators
 Spring 2007 Asheley Cockrell Skinner, HPAA 220: Business Writing for Health Administrators

Research Assistants Funded & Supervised

Hannah Margaret Clare, PhD student (fall 2018-fall 2019)
 Amir Alishahitabriz, PhD student (spring 2017-fall 2017)
 Kea Turner, PhD student (Spring 2015-spring 2018)
 Neela Kumar, MSPH student (Fall 2014-Spring 2015)
 Jordan Albritton, PhD student (Summer 2013-2015)
 Mike Belden, PhD student (Summer 2013-Fall 2013)
 Molly McIntyre, MSPH student (Fall 2012-Spring 2013)
 Vinay Shastry, MHA student (Fall 2012-Spring 2013)
 Jason Mose, PhD student (Fall 2012)
 Vann Newkirk, MSPH Student (Spring 2012)
 Nicholas Nguyen, MHA student (Fall 2011-Spring 2012)
 Lindsey Haynes-Maslow, PhD student (Summer 2011-Summer 2012)

GRANTS AND CONTRACTS

Funded Research - Active

Not Assigned Marisa Domino (PI) 09/01/2020 – 08/31/2027
NC DHHS

North Carolina Medicaid Reform Demonstration: Medicaid 1115 Waiver Evaluation
The purpose of this project is to evaluate the North Carolina Medicaid 1115 waiver, including both quantitative and qualitative analyses.
Role: Co-Lead, Qualitative Methods (30%)

R01HL150909-01A1 Corbie-Smith/Dave/Lindau (PI) 01/01/2020 – 12/31/2023
NHLBI

Implementation of EMR-Integrated Referrals to Link Clinical and Community Services to Reduce Health Inequity
Our overall objective is to identify factors that influence implementation and assess the health impact of a closed-loop referral system to community health-promoting resources in a rural setting.
Role: Co-I (5%)

R01CA240092-01 Wheeler / Rosenstein (PI) 08/15/2019 – 07/31/2023
NCI

Addressing Cancer-Related Financial Toxicity In Rural Oncology Care Settings
Role: Implementation Science Advisory Panel Member (2%)
This objectives of this project are to 1) understand the rural oncology practice context to optimize tailored strategies to support FN implementation; (2) assess FN intervention implementation in rural oncology practices; and (3) evaluate the effects of FN implementation on patient outcomes.
Role: Implementation Science Advisory Board Member (2%)

R01 HL146615-01 Stefan (PI) 5/1/2019 – 4/30/2023
NHLBI

Implementation of interprofessional training to improve uptake of noninvasive ventilation in patients hospitalized with severe COPD exacerbation
This project conducts an embedded, pragmatic, parallel 2-arm randomized trial to compare the effectiveness of two implementation strategies—interprofessional education and on-line education—on noninvasive mechanical ventilation (NIV) use in appropriate patients hospitalized with COPD.
Role: Co-Investigator / UNC Site PI (10%)

R18HS25065-01 Sherri Green (PI) 11/1/2016 – 9/30/2020
NIH/AHRQ

UNC Extension for Community Healthcare Outcomes for Rural Primary Care Medication Assisted Treatment (UNC ECHO for MAT)
This demonstration project will expand access to MAT in 22 rural and underserved counties, reducing the risk of accidental overdose deaths through a multilayered provider and practice

engagement strategy. The aims of the project are to: (1) increase understanding about how known barriers to the implementation of medication-assisted treatment (MAT) in primary care can be overcome and (2) evaluate strategies to overcome those barriers.

Funding Amount: \$2,936,092

Role: Co-Investigator (15% Oct 2019-Sept 2020, 20% Oct 2017-Sept 2019, 15% Oct 2016-Sept 2017)

U1CRH29074 Marcia Ward (PI) 9/1/2015 – 8/31/2020

HRSA (Primary Funder)

University of Iowa (Subcontract)

Telehealth Rural Health Research Center

The Telehealth Rural Health Research Center conducts research to advance evidence in the area of telehealth, especially in rural applications. The Center is comprised of three research partners: University of Iowa, University of North Carolina-Chapel Hill, and University of Southern Maine.

Total Funding Amount: \$3,000,000

UNC Subcontract: \$400,000 Shea, C (PI)

Role: Site Principal Investigator (25% 2019-2020, 20% 2017-2019, 30% 2016-2017; 9% 2015-2016)

1UL1TR001111 John Buse (PI) 9/26/2013-4/30/2022

NIH/NCATS

UNC Clinical Translation Science Award

Dissemination and Implementation Science Methods Unit

The Dissemination and Implementation Science Methods Unit provides consultation and develops content and tools to facilitate implementation of evidence-based practices.

Funding Amount: \$54,600,000

Role: Faculty Lead of the Unit (10%)

Funded Research - Completed

TI17014 Sherri Green (PI) 11/01/17 – 04/30/2020

NC DHHS

UNC Extension for Community Healthcare Outcomes for Rural Primary Care MAT

A contract with NC DHHS for this expansion of the UNC ECHO MAT project allows the researchers to meet the ECHO case-based learning needs of physicians around the state to address the opioid crisis.

Funding Amount: \$1,012,739

Role: Co-Investigator (15%)

Not Assigned Marisa Domino (PI) 12/18 – 11/19

NC DHHS

Medicaid Waiver Evaluation Proposal Preparation

The purpose of this project is to plan and design the evaluation of the North Carolina Medicaid waiver, prior to waiver implementation. The evaluation will include both quantitative and

qualitative analyses.

Role: Co-Investigator (5%)

1C1CMS331338-01-00 Troy Trygstad (PI) 9/01/2014-08/31/2017

Community Care of North Carolina (Subcontract)

Centers for Medicare and Medicaid Innovation (CMMI) (Primary Funder)

Optimizing the Medical Neighborhood: Transforming Care Coordination through the North Carolina Community Pharmacy Enhanced Services Network.

This project will test a model focused on community-based pharmacists who will deliver medication management services and care coordination with the patient centered medical home. These services are expected to reduce hospital readmissions and visits to the emergency department.

Funding Amount: \$15,106,050.

UNC Subcontract \$1,400,00. Farley J (co-PI), Roth MT (co-PI)

Role: Co-Investigator (30% Sept. 2015 - Aug. 2017; 20% May 2015 - Aug. 2015; 10% October 2014 - April 2015)

No # Keith Smith (Co-PI) & Diane Armao (Co-PI) 07/01/2014-06/30/2015

North Carolina Translational & Clinical Sciences Institute

UNC Department of Radiology Community Research Partnership Project: A Pilot

Study aimed at the Dissemination and Implementation of Best Practice Guidelines in Pediatric CT Scan Radiation Dose Reduction

Funding Amount: \$50,000

Role: Co-investigator (in kind)

No # Christopher Shea (PI) 07/01/2011 - 06/30/2015

Implementing Meaningful Use of EHRs in UNC Health Care Ambulatory Care Settings

The goal of this project is to assess the organizational capacity, readiness, and climate of 55 health care delivery divisions within UNC Health Care for achieving meaningful use and, subsequently, the success of eligible providers in achieving meaningful use.

Funding Amount: \$440,000

Role: Principal Investigator (50% July 2011; 15% August – June 2011; 20% July 2011-April 2014; 35% May 2014-present)

5-045915 Edwin Fisher (PI) 10/1/2011-12/31/2014

Bristol-Myers Squibb Foundation

Peers for Progress Program Development Center-BMSF

This project is housed within the Peers for Progress program and focuses on diabetes management through peer support and community outreach from the Patient-Centered Medical Home.

Direct Costs: \$1,023,625

Role: Co-investigator (10% 11/1/2013-10/31/2014)

HHSA 290-2010-00024i Jonathan Wald (PI) 09/01/2013-08/31/2014

Agency for Healthcare Research and Quality

Evaluation of Stage 3 Meaningful Use Objectives

The goal of this project is to evaluate proposed federal objectives for meaningful use of electronic health records.

Funding Amount: \$534,827

UNC Subcontract: \$99,823 Moore C (PI)

Role: Co- investigator (2.5%)

KL2TR001109 Marschall Runge (PI) 11/1/2013-4/30/2014

NIH/NCATS

North Carolina Translational & Clinical Sciences Institute (NC TRACS)

The overall goal of this application is to combine the research strengths, resources and opportunities at UNC and new partner, RTI International, to build on the foundation established in the CTSA's last five years. NC TraCS will work to improve human health by accelerating clinical and translational research from health science discovery to dissemination to patients and communities.

Direct Costs: \$1,139,647

Role: Scholar (75%)

5KL2RR025746-04 Marschall Runge (PI) 08/01/2011 – 10/31/2013

NIH/NCRR

UNC Clinical Translation Science Award - K12 Scholars Program (KL2)

The objective of the KL2 Program is to train and develop junior investigators who will become the next generation of successful translational researchers.

Direct Costs: \$2,089,012

Role: Scholar (75%)

No # Thomas Shea (Co-PI) & Christopher Shea (Co-PI) 07/01/2011 - 12/31/2012

University Cancer Research Fund

Improving Care Quality with Virtual Tumor Boards Using Videoconferencing Technology

This project is a feasibility study to evaluate the acceptability, intermediate outcomes, and unmet demand for the UNC Lineberger Comprehensive Cancer Center's virtual tumor board program.

Funding Amount: \$77,426

Role: Co-Principal Investigator (10%)

1-R21-AG030166-01A2 Timothy Daaleman (PI) 8/15/2009 - 7/31/2011

National Institute on Aging

A Feasibility Study to Improve Older Patient-Physician Communication

The goal of this study is to implement, evaluate, and disseminate a novel health information technology intervention that captures patient quality-of-life data at the point of care for the purpose of enhancing patient-physician communication.

Direct Costs: \$ 333,742

Role: Co-Investigator (3% August 2010-July2010; 10% August 2010-July 2011)

PROFESSIONAL SERVICE

To Discipline

Grant Review Panels (Study Sections)

2018 Center for Health Care Strategies and the Gordon and Betty Moore Foundation, Community Management of Medication Complexity (CMMC): an Innovation Lab, Review Panel Member

2017 NIH, National Heart, Lung, and Blood Institute (NHLBI), NHLBI Research Career Development Programs in T4 Implementation Research (K12), Grant Review Panel Member

2017 Medical Research Council of the United Kingdom, Grant Proposal Reviewer

Professional Association Service

2014, 2016-2019 American Medical Informatics Association Symposium, Reviewer
2010-2011 Association of Schools of Public Health, Public Health Learning Outcomes Model, Reviewer

Committees and Work Groups

2019-present National Academies of Science, Engineering and Medicine, Committee on “A Systems Approach to Reducing Consumer Food Waste,” Member
(Implementation Science Expert)

2017-present CTSA Dissemination, Implementation and Knowledge Transfer Workgroup, UNC representative

Editorial Roles

2018-present Associate Editor, *Implementation Science News*
2009 Editorial Advisory Board Member, *E-Government Website Development: Future Trends and Strategic Models*. (2011) E. Downey, C.D. Ekstrom, and M.A. Jones (Eds.). Hershey, PA: Information Science Reference.

2006-2007 Associate Editor, *Journal of World Health and Population*

1998-2006 Managing Editor, *Journal of Health & Population in Developing Countries*

Ad Hoc Peer Reviewer

Administration and Policy in Mental Health and Mental Health Services Research (2014)

American Journal of Community Psychology (2018)

BMJ Open (2017-2018)

Diagnostics (2017)

Health Care Management Review (2015)

Health Education & Behavior (2017)

Health Services Research (2019, 2020)

Implementation Research and Practice (2019-2020)

Implementation Science (2018, 2019)
Inquiry (2017)
Journal of the American Medical Informatics Association (2011, 2015)
Journal of the Association for Information Systems (2010)
Journal of Medical Internet Research (2019)
Medical Care Research and Review (2014)
The Milbank Quarterly (2015-2016)
North Carolina Medical Journal (2013)
Pediatric Quality and Safety (2018)
PLOS ONE (2014)
Social Science Computer Review (2008)
Technovation (2017)
Translational Behavioral Medicine (2018)

Professional Affiliations

2017-present Society for Implementation Research Collaboration (SIRC)
2016-present AcademyHealth
2011-present American Medical Informatics Association (AMIA)
2006-present Health Information Management & Systems Society (HIMSS)

University Service

UNC System

2016-2017 UNC General Administration State Licensure Program Review Team, Member

University of North Carolina at Chapel Hill

2019-present UNC Thurston Arthritis Research Center, Core Center for Clinical Research, Internal Advisory Board Member
2016-present Implementation Science Student Group, Faculty Advisor
2017 Faculty Information Technology Advisory Panel (FITAP), Member
2015-present Professional Science Master's Program in Biomedical and Health Informatics, Advisor
2014-present Carolina Health Informatics Program, Faculty
2014-2016 Health Informatics Hub student group, Faculty Advisor
2014-2015 Promoting Health & Improving Technology (phIT) student group, Faculty Advisor
2011-2015 Biomedical Informatics CTSA Core Group, Member
2009-2011 Unite for Site student group, Faculty Advisor
2006-2009 Health Information Management & Systems Society student group, Faculty Advisor

Gillings School of Global Public Health, UNC-Chapel Hill

2019-present Gillings Research Council, Member
2016 Gillings Innovation Laboratory (GIL), Proposal Reviewer
2015 Public Health Informatics Certificate Program, Program Administrator
2012-2014 Public Health Informatics Planning Group, Member
2010-2011 Student Services Council, Member

2009-2010 Undergraduate Recruitment and Retention Advisory Committee, Member
 2008-2010 Public Health Informatics Steering Committee, Member
 1998-2004 APPLES Service-Learning Program, Consultant

Department of Health Policy and Management, UNC-Chapel Hill

2018-present Research Committee, Chair
 2018-2019 MPH Director and BSPH Director Faculty Search Committee, Member
 2017-2018 Tenure-Track Faculty Search Committee, Member
 2017 Gillings One MPH Working Group, Member
 2017-2018 Master's Program Advisory Committee, Member
 2017-present Organization and Implementation Science Faculty Working Group, Faculty Lead
 2017 Informatics Faculty Working Group, Faculty Lead
 2015-present PhD Program Advisory Committee, Member
 2015 Student Advising Task Force, Member
 2014-2015 Health Informatics Faculty Search Committee, Member
 2013-2014 Public Health Dentist Faculty Search Committee, Member
 2013-2015 BSPH Admissions Committee, Member
 2006-2011 BSPH Advisory Committee, Chair (2007-2011) Member (2006)
 2006-2011 Executive Committee, Member
 2003-2011 Research Committee, Member
 2001-2004 Master's Programs Comprehensive Examination Committee, Member
 2001-2003 Master's Programs Admissions Committee, Member

Engagement with Community Stakeholders

2019-present West Cary / Reedy Creek Middle School Baseball (Assistant Coach)
 2019-present West Raleigh Baseball Association (Youth Baseball Assistant Coach)
 2017-2018 Town of Cary (Youth Baseball Coach)
 2017-2018 Tampa Bay Rays, Major League Baseball team (Consultant)
 2015-2016 Patient Safety Center of Inquiry at the Durham VA Medical Center (Consultant)
 2014-2017 NC Community Pharmacy Enhanced Services Network (CPESN) and Multi-state Collaborative (Consultant)
 2015-2016 Moncure Community Health Center, Moncure, NC (Consultant)
 2015-2017 Orange County Health Department (Mentor for students completing experiential projects)
 2013-2015 North Carolina Healthcare Information and Communications Alliance (NCHICA) (Mentor for students completing experiential projects)
 2012 Patient education and counseling EHR modules for PCMH certification, Carolina Advanced Health primary care practice (Consultant)
 2011-2015 Meaningful Use and quality improvement collaboration with UNC Health Care Department of Practice Quality and Innovation (Lead Faculty)
 2011 Incident reporting system, N.C. Division of Mental Health, Developmental Disabilities and Substance Abuse Services (Consultant)
 2010-2015 N.C. Consumer Advisory Council on Health Information, North Carolina Healthcare Information and Communications Alliance (NCHICA) (Member)
 2009-2010 Faculty Mentor for student teams performing service-learning projects:

- A Helping Hand
- Carol Woods Assisted Living
- National Assembly on School Based Health Care
- North Carolina Healthcare Information and Communication Alliance, Inc.
- North Carolina Community Health Center Association
- Office of Health Information Technology, NC Department of Health and Human Services
- Student Health Action Coalition
- The Family Center
- Triangle Residential Options for Substance Abusers