**Benjamin S. Teeter**

Center for Implementation Research

Department of Pharmacy Practice

College of Pharmacy

University of Arkansas for Medical Sciences

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**Education**

2015 Doctor of Philosophy

Department of Health Outcomes Research and Policy, Harrison School of Pharmacy, Auburn University, Auburn, AL.

*Dissertation:* Quality Performance in Community Pharmacies: An Exploration of Pharmacists’ Perceptions and Predictors

2012 Master of Science

Department of Health Outcomes Research and Policy, Harrison School of Pharmacy, Auburn University, Auburn, AL.

*Thesis:* Adoption and Implementation of the Health Watch Screening Program in Community Pharmacies

2009 Bachelor of Science in Public Health

Indiana University, Bloomington, IN

**Experience**

2022 – present Associate Professor with Tenure

 College of Pharmacy

 University of Arkansas for Medical Sciences, Little Rock, AR

2015 – present Investigator

 Center for Implementation Research

 University of Arkansas for Medical Sciences, Little Rock, AR

2015 – 2022 Assistant Professor

 College of Pharmacy

 University of Arkansas for Medical Sciences, Little Rock, AR

2010 – 2015 Graduate Research and Teaching Assistant

 Harrison School of Pharmacy

Auburn University, Auburn, AL

**Honors**

2021 ERCSP 2021 Best Paper Award

 Exploratory Research in Clinical and Social Pharmacy

2020 Selected as a “Top Reviewer” for the year 2020

 Research in Social and Administrative Pharmacy

2019 Certificate of Outstanding Contribution in Reviewing

 Journal of the American Pharmacists Association

2017 Certificate of Outstanding Contribution in Reviewing

Journal of the American Pharmacists Association

2017 Top 25 most downloaded articles of 2016

 Journal of the American Pharmacists Association

2014 Outstanding Graduate Student Award

Harrison School of Pharmacy, Auburn University

2013 Outstanding Graduate Student Award

Harrison School of Pharmacy, Auburn University

2012 Member of The Honor Society of Phi Kappa Phi

Auburn University Chapter

**Awards and Scholarships**

2014 Harrison School of Pharmacy Don Tillery Fellowship, Auburn University

2014 Auburn University Graduate Student Dissertation Research Award, Auburn University Graduate School

2014 Graduate Travel Award, Auburn University Graduate School

2013 Harrison School of Pharmacy Don Tillery Fellowship, Auburn University

2013 Wal-Mart Scholar, American Association of Colleges of Pharmacy

2012 Harrison School of Pharmacy Don Tillery Fellowship, Auburn University

2012 Malone-Zallen Research Award, Harrison School of Pharmacy, Auburn University

2011 Auburn University Graduate Student Thesis Research Award, Auburn University Graduate School

**Additional Training**

2021 Advanced Course on Mentorship, Leadership, and Research on Cancer-Related Health Disparities – Hosted by the NCI Awardee Skills Development Consortium and the University of Utah

2019 Training Institute for Dissemination and Implementation Research in Cancer (TIDIRC) – Hosted by the National Cancer Institute

**Service Activities**

**College Service**

2021 – present Residency Research Certificate Program Committee (Member)

 Pharmacy Practice, University of Arkansas for Medical Sciences

2020 – present Student Research Committee (Chair)

 College of Pharmacy, University of Arkansas for Medical Sciences

2017 – present Portfolio Review Committee for Teaching Certificate (Member)

College of Pharmacy, University of Arkansas for Medical Sciences

2016 – 2020 Assessment Committee (Member)

College of Pharmacy, University of Arkansas for Medical Sciences

2016 – present Residency Research Forum Panel Participant

 College of Pharmacy, University of Arkansas for Medical Sciences

2016 – 2019 Campus Assignment Committee (Member)

College of Pharmacy, University of Arkansas for Medical Sciences

**University Service**

2022 – present UAMS Center for Health Literacy Advisory Council

 University of Arkansas for Medical Sciences

2022 TRI-DDEI Strategies for Training and Advancing under-represented Researchers (STARs) Program Reviewer

 University of Arkansas for Medical Sciences

2020 – present TRI Mock Study Section Reviewer

 University of Arkansas for Medical Sciences

2019 – present Winthrop P. Rockefeller Cancer Institute (Full Member)

 University of Arkansas for Medical Sciences

2017 – 2020 Vaccine-related IPE Research and Scholarship Subgroup (Co-Chair)

 University of Arkansas for Medical Sciences

2017 – 2020 Opioid-related IPE Research and Scholarship Subgroup (Member)

 University of Arkansas for Medical Sciences

**State Level Service**

2022 Arkansas State Health Improvement Plan: Vaccination Priority Area (Champion)

2017 – present Arkansas Immunization Action Coalition HPV Vaccination Workgroup (Member)

2017 – present Arkansas Cancer Coalition Cervical Cancer Taskforce (Member)

**National Service**

May 2022 Reviewer; NIH/National Cancer Institute (NCI);

 ZCA1 RPRB-L (A1); Social and Behavioral Intervention Research to Address Modifiable Risk Factors for Cancer in Rural Populations (R01 Clinical Trial Required).

March 2022 Reviewer; NIH Center for Scientific Review (CSR);

Healthcare Delivery and Methodologies (HDM) Integrated Review Group; Special Emphasis Panel.

June 2021 Reviewer; NIH/National Cancer Institute (NCI);

ZCA1 RPRB-L (O2); Social and Behavioral Intervention Research to Address Modifiable Risk Factors for Cancer in Rural Populations (R01 Clinical Trial Required).

2021 – present Editorial Board (member)

 Research in Social and Administrative Pharmacy (RSAP)

2020 Abstract Reviewer

 13th Annual Conference on the Science of Dissemination and Implementation in Health

2019 – present Scientific Merit Review Board (Reviewer)

 Health Services Research and Development (HSR&D)/Quality Enhancement Research Initiative (QUERI)

 Department of Veterans Affairs

2019 National HPV Vaccination Roundtable

 Arkansas State Representative

2018 – 2021 Editorial Advisory Board (Member)

Journal of the American Pharmacists Association (JAPhA)

2017 Collaboration Innovation Awards Pilot Program (Reviewer)

Institute of Translational Health Sciences CTSA

University of Washington

**Research Experience**

**Funding**

***Current, As Principal Investigator***

Improving HPV Vaccination Using Implementation Strategies in Community Pharmacies

National Cancer Institute/National Institutes of Health

1R21CA231180-01A1

PI: **Benjamin Teeter**, $361,758 04/01/19 – 03/31/23

***Current, As Co-Investigator or Consultant***

Addressing COVID 19 Vaccine Hesitancy in Rural Community Pharmacies Reducing Disparities Through an Implementation Science Approach

National Institute on Minority Health and Health Disparities/National Institutes of Health

R01MD016992-01A1

Role: Co-investigator

PI: Delesha Carpenter & Geoffrey Curran, $1,393,137 09/22/22 – 05/31/25

Evaluation of the Integration of Community Health Workers (CHWs) into Rural Community Pharmacies

Internal: UL1TR000039 UAMS Translational Research Institute (CTSA)

Role: Co-investigator

PI: Megan Smith, $44,083 09/01/22 – 08/31/23

Increasing Access to Opioid Use Disorder Treatment by Opening Pharmacy-based Medication Units of Opioid Treatment Programs

National Institute on Drug Abuse/National Institutes of Health

1R01DA054894

Role: Consultant

PI: Li-Tzy Wu, $720,734 08/15/22 – 05/31/25

Family Based Diabetes Self-Management Education Outcomes In Comparison to Standard Diabetes Self Care.

Patient Centered Outcomes Research Institute (PCORI)

HSRP20202289

Role: Co-investigator

PI: Pearl McElfish, $4,067,662 01/01/20 – 02-01-24

Expanding Translational Research in Arkansas

National Center for Advancing Translational Sciences

1U54TR001629-01A1

Role: Co-investigator

PI: Laura James, $26,136,160 07/01/19 – 06/30/24

***Submitted and scored, pending resubmission***

The Reducing COVID-19 Vaccine Hesitancy in Rural America (Recover) Project: A cluster randomized controlled trial

National Institute on Minority and Health Disparities/National Institutes of Health

GRANT13385765

PI: **Benjamin Teeter** and Alexis Koskan, $2,880,445

***Completed***

Evaluation of the Arkansas Medicaid Antibiotic Prescribing Program

PEW and Arkansas Department of Health

Role: Co-investigator

PI: William Golden, $140,000 (subcontract)

A Comprehensive Evaluation and Quality Improvement Process of a High-Stakes 10-Station OSCE

Internal: UAMS College of Pharmacy Dean’s Seed Grant

PI: David Caldwell, $8,000

Testing Implementation Strategies to Support Community Pharmacist-Initiated Prescription and Distribution of Naloxone to Reduce Overdose by Opioids

Internal: UL1TR000039 UAMS Translational Research Institute (CTSA)

PI: **Benjamin Teeter**, $47,263

Implementation of Family Model DSME in an Underserved Marshallese Population in a Clinical Setting

UL1 TR000039 UAMS TRI (CTSA)

PI: Pearl McElfish, $50,000

Vaccines for Children (VFC) and HPV Vaccine in Community Pharmacies

Internal: UAMS Medical Research Endowment

PI: **Benjamin Teeter**, $14,991

Expanding Translational Research in Arkansas

National Center for Advancing Translational Sciences

1U54TR001629-01A1

PI: Laura James, $5,069,877

Arkansas Pharmacy Transformation (APT) Collaborative

Association of State and Territorial Health Officials (ASTHO)

PI: Jeremy Thomas, $143,671

Prescribers, Pharmacists, & the Opioid Dilemma: a Multi-Site Qualitative Study

R01DA034627 NIDA

PI: Mark Edlund, $1,324,430

***Submitted, unfunded***

Enhancing Identification and Care of Individuals with Hereditary Cancer Syndromes through Genetic Navigation in Community Settings

1R21CA264000-01: 1st Submission Impact Score: 62

PI: **Benjamin Teeter** and Kristin Zorn, $275,000 07/01/21 – 06/30/23

The Relationship between Race/Ethnicity, Discrimination, and Vaccine Hesitancy

Mentored Research Career Development (KL2) Scholars Award

Internal: UAMS CTSA (1U54TR001629-01A1)

PI: Don Willis

Role: Co-Mentor

Implementing COVID-19 and Opioid Overdose Prevention Practices in Rural Community Pharmacies

U01 to National Center for Advancing Translational Sciences/National Institutes of Health

PI: Geoffrey Curran and Delesha Carpenter

Greenwall Faculty Scholars Program in Bioethics

Mentored Career Development Program

PI: **Benjamin Teeter**

Comprehensive Cancer Summer Research Experience

R25 to National Cancer Institute/National Institutes of Health

PI: Tom Kelly and Rick Nicholas

Role: Co-I/Research Mentor

The Effectiveness and Cost of a Clinic-based Family Model of Diabetes Self-Management Education among Marshallese with Type 2 Diabetes

R01 to National Institute of Diabetes and Digestive and Kidney Diseases/National Institutes of Health

PI: Pearl McElfish

Comparing the effectiveness of Two Methods of Returning Results to Research Participants

Internal: Implementation Science Pilot Award to UAMS CTSA

PI: Christopher Long

Family Model of Diabetes Self-Management Education

R01 to National Institute on Minority and Health Disparities/National Institutes of Health

PI: Pearl McElfish

Implementation of Pharmacist-Physician Collaborative Models to Improve Human Papillomavirus (HPV) Vaccination Rates Using Community Pharmacies

Internal: KL2 Career Development Grant to UAMS CTSA

PI: **Benjamin Teeter**

Designing Community Pharmacy-Based Mental and Behavioral Health Services

Internal: Pilot Award to UAMS Medical Research Endowment
PI: Megan Smith

The Effectiveness of Family Model of Diabetes Self-Management Education among Marshallese with Type 2 Diabetes in Faith-Based Organizations

R01 to National Institute on Minority and Health Disparities/National Institutes of Health

PI: Pearl McElfish

Utilization of Nontraditional Setting for Administration of Vaccines for Children (VFC) Vaccines

Pharmacy Practice Patient Care Grant submitted to Community Pharmacy Foundation

PI: **Benjamin Teeter**

Implementation of a Multidisciplinary Antimicrobial Stewardship Program Focusing on Qualitative and Quantitative Performance Measures

Grant submitted to Making a Difference in Infectious Diseases (MAD-ID)

PI: Holly Maples

**Other Completed Research**

Human Papillomavirus (HPV) Vaccination Services

Activities include data collection, analysis, preparation of manuscripts, and presentation of results at national meetings.

PI: Salisa Westrick

Medicare Part D Plan Selection Community Outreach Project

Activities include data analysis, preparation of manuscripts, and presentation of results at national meetings.

PI: Salisa Westrick

School-based Influenza Vaccination Project

Activities include data collection, analysis, and preparation of a final report.

PI: Salisa Westrick

Herpes Zoster Educational Program: Student Outreach Project

Activities include data analysis, preparation of manuscripts, and presentation of results at national meetings.

PI: Salisa Westrick

Heterogeneity of Treatment Effects across Methods, Populations, and Data

National Pharmaceutical Council funded research; Activities include assistance with preparation of manuscript for submission to peer reviewed journal and other deliverables required by funder.

PI: Richard Hansen

Increasing Consumer Awareness about Salt Intake: Student Outreach Project

Activities include data entry and assistance with preparation of manuscript for submission to peer reviewed journal.

PI: Salisa Westrick

Telephonic Motivational Interviewing for Medication Adherence

Conducted a systematic review of the existing literature on the impact of motivational interviewing delivered via telephone on medication adherence.

PI: **Benjamin Teeter**

**Peer Reviewed Publications**

Koskan, A.M., LoCoco, I.E., Daniel, C.L., **Teeter, B.S.** (2023). Rural Americans’ COVID-19 Vaccine Perceptions and Willingness to Vaccinate Against COVID-19 with their Community Pharmacists: An Exploratory Study. Vaccines. Accepted, In-Press.

Koskan, A.M., **Teeter, B.S.,** Daniel, C.L., LoCoco, I.E., Jensen, U.T., Ayers, S.L. (2023). U.S. adults’ reasons for changing their degree of willingness to vaccinate against COVID-19. Journal of Public Health. Accepted, In-Press.

**Teeter, B.S.,** Jensen, C.R., Thomas, J.L., Martin, B.C., McElfish, P.A., Mosley, C.L., & Curran, G.M. (2021). Perceptions of HPV vaccination and pharmacist-physician collaboration models to improve HPV vaccination rates. Exploratory Research in Clinical and Social Pharmacy, 2, 100014. doi:https://doi.org/10.1016/j.rcsop.2021.100014

**Teeter, B.S.,** Thannisch, M.M., Martin, B.C., Zaller, N.D., Jones, D., Mosley, C.L., & Curran, G.M. (2021). Opioid overdose counseling and prescribing of naloxone in rural community pharmacies: A pilot study. Exploratory Research in Clinical and Social Pharmacy, 2, 100019. doi:https://doi.org/10.1016/j.rcsop.2021.100019

**Teeter, B.S.,** Thomas, J.L., Curran, G.M., & Balamurugan, A. (2020). Classifying intervention modifications in the community pharmacy context: A demonstration study. Journal of the American Pharmacists Association : JAPhA, 60(6), e230–e235. https://doi.org/10.1016/j.japh.2020.07.023

McElfish, P.A., Narcisse, M., Felix, H.C., Cascante, D.C., Nagarsheth, N., **Teeter, B.S**., Faramawi, M.F. (2020). Race, Nativity, and Sex Disparities in Human Papillomavirus Vaccination Among Young Adults in the USA. J. Racial and Ethnic Health Disparities. https://doi.org/10.1007/s40615-020-00886-5

Acharya, M., Chopra, D., Hayes, C., **Teeter, B.S.,** Martin, B. (2020). Cost-Effectiveness of intranasal naloxone distribution to high-risk prescription opioid users. Value in Health. https://doi.org/10.1016/j.jval.2019.12.002

Stafford, R. A., Garrett, L. N., Bates, K. A., Diemer, T. B., Thomas, J. L., Smith, M. G., **Teeter, B.S.,** Curran, G. M. (2020). Development and implementation of a collaboration between a patient-centered medical home and community pharmacy. J Am Pharm Assoc (2003). doi:10.1016/j.japh.2019.09.022

**Teeter, B.S.,** Mosley, C., Thomas, J.L., Martin, B.C., Jones, D., Romero, J.R., Curran, G.M. (2019). Improving HPV Vaccination Using Implementation Strategies in Community Pharmacies: Pilot Study Protocol. Research in Social and Administrative Pharmacy. https://doi.org/10.1016/j.sapharm.2019.05.022

Bates, K. A., Stafford, R. A., **Teeter, B.S.,** Diemer, T., Thomas, J. L., & Curran, G. M. (2019). Pharmacist-provided services and community pharmacist integration into a patient-centered medical home: A qualitative study of primary care clinic staff perceptions. J Am Pharm Assoc (2003), 59(4S), S6-S11 e11. doi:10.1016/j.japh.2019.03.019

**Teeter, B.S.,** Stafford, R., Payakachat, N., Reid, J., Thiessen, K., Franks, A., & O'Brien, C. (2019). Student Pharmacists' Use of Patient-Centered Communication Skills During an Introductory Pharmacy Practice Experience. Am J Pharm Educ, 83(8), 7244. doi:10.5688/ajpe7244

Smith, M.G., Ferreri, S.P., Stafford, R., **Teeter, B.S.,** Turner, K., Veach, S., Shea, C.M. (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

Freeman, P. R., Curran, G. M., Drummond, K. L., Martin, B. C., **Teeter, B. S.**, Bradley, K., Schoenberg, N., Edlund, M. J. (2019). Utilization of prescription drug monitoring programs for prescribing and dispensing decisions: Results from a multi-site qualitative study. Res Social Adm Pharm, 15(6), 754-760. doi:10.1016/j.sapharm.2018.09.007

Curran, G.M., Freeman, P.R., Edlund, M., **Teeter, B.S.,** Martin, B.C., Bradley, K., Drummond, K., Shoenberg, N., Thannisch, M.M. Communication between pharmacists and primary care physicians in the midst of a U.S. opioid crisis. Res Social Adm Pharm, 15(8), 974-985. doi:10.1016/j.sapharm.2018.08.006

Shoemaker, S.J., Curran, G.M., Swan, H., **Teeter, B.S.,** Thomas, J. (2017). Application of the Consolidated Framework for Implementation Research to community pharmacy: A framework for implementation research on pharmacy services. Research in Social and Administrative Pharmacy, S1551-7411(17)30506-5. PMID: 2866816

Hastings, T.J., Hohmann, L.A., McFarland, S.J., **Teeter, B.S.,** Westrick, S.C. (2017). Pharmacists’ Attitudes and Perceived Barriers to Human Papillomavirus (HPV) Vaccination Services. Pharmacy. (5) 45. doi:10.3390/pharmacy5030045

Westrick, S.C., Hohmann, L.A., McFarland, S.J., **Teeter, B.S.,** White, K.K., & Hastings, T.J. (2017). Parental acceptance of human papillomavirus vaccinations and community pharmacies as vaccination settings: A qualitative study in Alabama. Papillomavirus Research, 3, 24-29. doi:http://dx.doi.org/10.1016/j.pvr.2016.12.003

**Teeter, B.S.,** Fox, B.I., Garza, K.B., Harris, S.G., Nau, D.P., Owensby, J, Westrick, S.C. (2016). Community pharmacy owners’ views of star ratings and performance measurement: In-depth interviews. Journal of the American Pharmacists Association. 56(5), 549-554.

doi: 10.1016/j.japh.2016.04.567

Garza, K.B., Williamson, M.A., Stevenson, T.L., **Teeter, B.S**., Zeek, M.L., Savoie, M. & Westrick, S.C. (2015). Patient vaccination education program through an IPPE: Assessment of students' outcomes and preceptors' feedback. Currents in Pharmacy Teaching and Learning. 7(6).

Hollingsworth, J.C., **Teeter, B.S.** & Westrick, S.C. (2015). Evaluation of student outcomes after participating in a Medicare outreach program. Journal of Higher Education Outreach and Engagement. 19(2).

**Teeter, B.S.,** Garza, K.B., Stevenson, T.L., Williamson, M.A., Zeek, M.L. & Westrick, S.C. (2014). Factors associated with herpes zoster vaccination status and acceptance of vaccine recommendation in community pharmacies. Vaccine. 32(43), 5749-5754.

doi: 10.1016/j.vaccine.2014.08.040

**Teeter, B.S.** & Kavookjian, J. (2014). Telephone-based motivational interviewing for medication adherence: a systematic review. Translational Behavioral Medicine. 1-10.

doi: 10.1007/s13142-014-0270-3

Hansen, R.A., Zeng, P., Ryan, P., Gao, J., Sonawane, K., **Teeter, B.S.,** Westrich, K. & Dubois, R. (2014). Exploration of heterogeneity in distributed research network drug safety analyses. Res Synth Method. doi: 10.1002/jrsm.1121

**Teeter, B.S.,** Westrick, S.C., Braxton-Lloyd, K., Armenakis, A. & Fox, B.I. (2014). Adoption of a biometric screening service in community pharmacies: a qualitative study. J Am Pharm Assoc. 54(3), 258-266. doi: 10.1331/JAPhA.2014.13203

Garza, K.B., Westrick, SC, **Teeter, B.S.**, Stevenson, T.L. (2013). Incorporating Hypertensive Patient Education on Salt Intake into an Introductory Pharmacy Practice Experience. Am J Pharm Educ. 77(9) article 199.

**Manuscripts in Progress**

**Teeter, B.S.,** Thannisch, M.M, Martin, B.C., Zaller, N.D., Jones, D., Mosley, C.L., & Curran, G.M. Evidence-Based Quality Improvement (EBQI) for the Development of a Proactive Pharmacist-Provided Opioid Overdose Counseling Intervention. [Submitted to RSAP. Editor decision: minor revisions].

**Teeter, B.S.,** Curran, G.M., Freeman, P.R., Martin, B.C., Bradley, K., Drummond, K., Shoenberg, N., Thannisch, M.M., Edlund, M. Pharmacists Perceptions of their Role in the Opioid Epidemic. [In Preparation].

**Published Book Chapters**

**Teeter, B.S.** & Painter, J.T. (2019). Marketing Applications. In D.P. Zgarrick, L.R. Moczygemba, G.L. Alston & S.P. Desselle (Eds.), Pharmacy management: essentials for all practice settings, 5th ed. (pp. 513-534). New York: McGraw-Hill Education.

**Teeter, B.S**. & Westrick, S.C. (2016). Marketing Applications. In D.P. Zgarrick, L.R. Moczygemba, G.L. Alston & S.P. Desselle (Eds.), Pharmacy management: essentials for all practice settings, 4th ed. (pp. 427-450). New York: McGraw-Hill Education.

Westrick, S.C. & **Teeter, B.S.** (2016). Organizational Change. In N.M. Rickles, A.I. Wertheimer & J.C. Schommer (Eds.), Social and behavioral aspects of pharmaceutical care, 3rd ed. (pp. 133-155) Dubuque, IA: Kendall Hunt Publishing Company.

**Teeter, B.S**. & Westrick, S.C. (2012). Marketing Applications. In S.P. Desselle, D.P. Zgarrick & G.L. Alston (Eds.), Pharmacy management: essentials for all practice settings, 3rd ed (pp. 405-426). New York: McGraw-Hill Education.

**Presentations**

Koskan, A., LoCoco, I., **Teeter, B.S.,** Daniel, C. (2022) Rural Adults’ Willingness to Vaccinate against COVID-19 with their Community Pharmacists. Oral Presentation at the American Public Health Association annual meeting. Boston, MA.

Johnson, J., Peng, C., Painter, J., Maples, M., Thomas, J. **Teeter, B**. (2022) Antibiotic Prescribing Changes in Adults During COVID-19 in Outpatient Patient-centered Medical Homes (PCMH) in Arkansas. Poster Presentation at IDWeek 2022. Washington, DC.

Thomas, J., Peng, C., Johnson, J., Maples, H., **Teeter, B.,** Painter, J. (2022) Impact of COVID on Antibiotic Prescribing Patterns in a Medicaid Population. Poster Presentation at the American College of Clinical Pharmacy Annual Meeting. Virtual.

Maples, H., Peng, C., Painter, J., Johnson, J., Thomas, J., **Teeter, B.** (2022) The Impact of COVID-19 of Pediatric Antimicrobial Prescribing in primary Care medical Homes in Arkansas. Poster presentation at the Pediatric Antimicrobial Stewardship Conference. St. Louis, MO.

Curran, G.M., Landes, S., **Teeter, B.S.,** Thomas, J.L. (2020) Implementation science scholars program: Bringing implementation science to clinician scholars at the University of Arkansas for Medical Sciences (UAMS). Panel Presentation at the 13th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, DC/Virtual.

Jensen, C.R., **Teeter, B.S.,** Curran, G.M., Mosley, C., Thomas, J.L, Martin, B.C., Romero, J.R. (2020) Facilitators and Barriers to Physician-Pharmacist Collaboration to Improve HPV Vaccination. Poster Presentation at the AAHP 54th Annual Fall Seminar. Little Rock, AR/Virtual.

**Teeter, B.S.,** Curran G, Thannisch M, Martin B, Zaller N, Mosley C, Winston K. (2020) Removal of Cost as a Barrier to Community Pharmacist-initiated Prescribing and Dispensing of Naloxone to Reduce Overdose by Opioids. Poster for the American Pharmacists Association Annual Meeting. Virtual.

**Teeter, B.S**, Curran G, Thannisch M, Mosley C, Martin B, Thomas J, Winston K, Romero J. (2020) Pharmacist-Physician Collaborative Models to Improve HPV Vaccination: A Developmental Formative Evaluation of Barriers and Facilitators. Poster for the American Pharmacists Association Annual Meeting. Virtual.

Acharya, M., Chopra, D., Hayes, C., **Teeter, B.**, Martin, B. (2019) Cost-Effectiveness of Intranasal Naloxone Distribution to High Risk Prescription Opioid Users. Poster Presentation at the ISPOR Annual Meeting. New Orleans, LA.

Caldwell, D.J., Castleberry, A.N., **Teeter, B.S.** (2019) Comparing different standard-setting methodologies for a high-stakes OSCE. Poster Presentation at the AACP Annual Meeting, Pharmacy Education 2019. Chicago IL.

Thannisch, M.M., **Teeter, B.S.,** Curran, G.M., Martin, B.C., Zaller, N. (2019). Evidence Based Quality Improvement (EBQI) for Development and Implementation of Community Pharmacist-Initiated Prescribing and Dispensing of Naloxone. Poster Presentation at UAMS Student Research Day. Little Rock, AR.

**Teeter, B.S.,** Curran, G.M., Martin, B.C., Zaller, N., Thannisch, M.M. (2019). Development and Testing of Implementation Strategies to Support a Proactive Intervention for Community Pharmacist-Initiated Prescribing and Dispensing of Naloxone to Reduce Overdose by Opioids. Podium Presentation at the American Pharmacists Association Annual Meeting. Seattle, WA.

**Teeter, B.S.,** Curran, G.M., Martin, B.C., Freeman, P.R., Drummond, K., Bradley, K., Edlund, M. (2019). Community Pharmacists’ Perceptions of their Role in the Opioid Epidemic. Podium Presentation at the American Pharmacists Association Annual Meeting. Seattle, WA.

**Teeter, B.S.**, Curran, G.M., Martin, B.C., Zaller, N., Thannisch, M.M. (2018). Development and Testing of Implementation Strategies to Support Community Pharmacist-Initiated Prescribing and Dispensing of Naloxone to Reduce Overdose by Opioids. Podium Presentation at the 11th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, D.C.

**Teeter, B.S.,** Curran, G.M., Martin, B.C., Freeman, P.R., Drummond, K., Bradley, K., Edlund, M. (2018). Community Pharmacists’ Perceptions of their Role in the Opioid Epidemic. Poster Presentation at the Addiction Health Services Research annual meeting. Savannah, Georgia.

Thannisch, M.M., **Teeter, B.S.,** Curran, G.M., Martin, B.C., Zaller, N. (2018). Evidence Based Quality Improvement (EBQI) for Development and Implementation of Community Pharmacist-Initiated Prescribing and Dispensing of Naloxone. Poster Presentation at the Southern Pharmacy Administration Conference. Auburn, Alabama. [3rd place award winner].

**Teeter, B.S.,** Curran, G.M., Freeman, P.R., Edlund, M., Martin, B.C., Bradley, K., Drummond, K., Shoenberg, N., Thannisch, M.M. (2018). Utilization of PDMPs for Dispensing Decision-Making: Insights from a Qualitative Study of Community Pharmacists. Podium Presentation at the American Pharmacists Association Annual Meeting. Nashville, Tennessee.

Curran, G.M., Freeman, P.R., Edlund, M., **Teeter, B.S.,** Martin, B.C., Bradley, K., Drummond, K., Shoenberg, N., Thannisch, M.M. (2018). “Caught in the Middle”: Community Pharmacists’ Beliefs about Dispensing Opioids in the Midst of an Opioid “Epidemic”. Podium Presentation at the American Pharmacists Association Annual Meeting. Nashville, Tennessee.

**Teeter, B.S.,** Thomas, J.L., Curran, G.M., Balamurugan, A. (2017). Local Adaptation of a Motivational Interviewing Intervention in Community Pharmacies Do Not Negate Benefits on Medication Adherence Rates. Panel Presentation at the 10th Annual Conference on the Science of Dissemination and Implementation in Health. Arlington, Virginia.

Curran G.M., **Teeter B.S.,** Martin, B.C. (2017). Implementation of Prescription Drug Monitoring Programs for Opioid Dispensing Decision-Making: Insights from a Qualitative Study of Community Pharmacists. Podium Presentation at the 10th Annual Conference on the Science of Dissemination and Implementation in Health. Arlington, Virginia.

O’Brien, C.E., Stafford, R., **Teeter, B.S.**, Payakachat, N., Franks, A. (2017). Patient-Centered Communication Uptake During a Community Pharmacy IPPE: A Qualitative Analysis. Poster Presentation at the Annual Meeting of the American Association of College of Pharmacy. Nashville, Tennessee.

**Teeter, B.S.,** Thomas, J.L., Curran, G.M., Balamurugan, A. (2017). Adaptation of a Motivational Interviewing Intervention in Four Community Pharmacies. Poster Presentation at the American Pharmacists Association Annual Meeting. San Francisco, California.

**Teeter, B.S.,** Thomas, J.L., Curran, G.M., Balamurugan, A. (2016). Adaptation of a Motivational Interviewing Intervention in Community Pharmacies: Application of the Wiltsey Stirman Model to Characterize Modifications in a 4-site Implementation Demonstration Study. Panel Presentation at the 9th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, D.C.

Swan, H., Shoemaker, S.J., Curran, G.M., Thomas, J.L., **Teeter, B.S.** (2016). An implementation research model for pharmacy: Application of the consolidated framework for implementation research (CFIR) to community pharmacy. Podium Presentation at the 9th Annual Conference of the Science of Dissemination and Implementation in Health. Washington, D.C.

Hastings, T.J., Hohmann, L.A., McFarland, S.J., **Teeter, B.S.,** Westrick, S.C. (2016). Pharmacy-based human papillomavirus (HPV) vaccination services: Perceptions, barriers, and current services provided by Alabama pharmacists. Poster Presentation at the 47th National Immunization Conference. Atlanta, Georgia.

Hohmann, L.A., Hastings, T.J., McFarland, S.J., **Teeter, B.S.,** Westrick, S.C. (2016). Parental Acceptance of Influenza and Human Papillomavirus Vaccinations in Community Pharmacies: A Qualitative Interview Study. Podium Presentation at the American Pharmacists Association Annual Meeting. Baltimore, Maryland.

Curran, G.M., **Teeter, B.S.,** Crumbaugh, E., Thomas, J., Stafford, R. (2015). Implementation of cognitive services in independent community pharmacies: An ethnographic study of barriers and facilitators. Poster Presentation at the 8th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, D.C.

**Teeter, B.S.,** Hollingsworth, J. & Westrick, S. (2014). Evaluation of Medicare Outreach Project through Student Reflections on Service Learning Experiences. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting. Grapevine, Texas.

**Teeter, B.S.,** Garza, K.B., Stevenson, T.L., Williamson, M.A., Zeek, M.L. & Westrick, S.C. (2014). Factors Associated with Herpes Zoster Vaccination Status and Acceptance of Vaccine Recommendation in Community Pharmacies. Podium Presentation at the Southern Pharmacy Administration Conference. Oklahoma City, Oklahoma.

**Teeter, B.S.,** Westrick, S., Garza, K., Stevenson, L. & Williamson, M. (2014). Factors Associated with Vaccination Status and Likelihood to Accept Vaccine Recommendation on Zoster Vaccine in Community Pharmacies. Poster presentation at the American Pharmacists Association Annual Meeting. Orlando, Florida.

Westrick, S.C., Stevenson, T.L., Garza, K.B. & **Teeter, B.S.** (2013). Providing Salt Education to Hypertensive Patients Through an Introductory Pharmacy Practice Experience in Community Pharmacy. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting. Chicago, Illinois.

**Teeter, B.S.,** & Westrick, S. (2013). Adoption and implementation of the health watch screening program in community pharmacies: a qualitative study. Podium presentation at the American Pharmacists Association Annual Meeting. Los Angeles, California.

**Teeter, B.S.**, Westrick, S. & Stevenson, L. (2012). Assessment of adherence to antihypertensive medications and lifestyle issues through the introductory pharmacy practice experiences program. Poster presentation at the American Pharmacists Association Annual Meeting. New Orleans, Louisiana.

**Teeter, B.S.** & Westrick, S. (2012). Adoption and implementation of the health watch screening program in community pharmacies: preliminary results. Poster presentation at the Auburn University Graduate Student Symposium. Auburn, Alabama.

**Teeter, B.S.** & Westrick, S. (2012). Adoption and implementation of the health watch screening program in community pharmacies: preliminary results. Poster presentation at the Southern Pharmacy Administration/Western Pharmacoeconomic Conference. Austin, Texas.

**Invited Presentations**

**Teeter, B.S.** Improving HPV Vaccination using Implementation Strategies in Community Pharmacies. Invited Presentation. Arkansas Immunization Action Coalition HPV Vaccination Workgroup. Little Rock, AR. November 19, 2020.

**Teeter, B.S.** Results of Naloxone Pilot in Community Pharmacies. Invited Presentation. UAMS Translational Research Institute innOVATION seminar series. Little Rock, AR. November 12, 2020.

**Teeter, B.S.** HPV Vaccine R21 Progress. Invited Presentation. UAMS Winthrop P. Rockefeller Cancer Institute Cancer Presentation and Population Sciences Program. Little Rock, AR. September 8, 2020.

**Teeter, B.S.** Introduction to Implementation Science. Invited Presentation. Auburn University Graduate Seminar. Auburn, AL. November 22, 2019.

**Teeter, B.S.,** Curran, G.M.Utilization of PDMPs and Community Pharmacists’ Beliefs about Dispensing Opioids. Invited Webinar. American Pharmacists Association. November 6, 2018.

**Teeter, B.S.,** Curran, G.M. Recruiting and Working with Busy Pharmacists to Participate in Research Projects. Invited Presentation. American Pharmacists Association Annual Meeting. Nashville, TN. March 17, 2018.

**Teeter, B.S.** How to Succeed in your PhD. Invited Presentation. Auburn University Graduate Seminar. Auburn, AL. November 17, 2017.

**Teeter, B.S.** Innovative Research in Pharmacy Practice. Invited Moderator. American Pharmacists Association Annual Meeting. San Francisco, CA. March 24, 2017.

**Teeter, B.S.** Qualitative Research Design. Invited Presentation. Harrison School of Pharmacy Graduate Program. Auburn University. October 20, 2016.

**Teeter, B.S.** Determining the Appropriate Statistical Test. UAMS Pharmacy Residents. Little Rock, AR. March 25, 2016.

**Teeter, B.S.** Medicare Star Ratings. Invited Presentation. UAMS APhA-ASP. Little Rock, AR. March 21, 2016.

**Journal Reviewer**

2021 – present Reviewer, BMC Health Services Research

2021 – present Reviewer, Exploratory Research in Clinical and Social Pharmacy

2020 – present Reviewer, Pharmacy

2014 – present Reviewer, Journal of the American Pharmacists Association

2014 – present Reviewer, Research in Social and Administrative Pharmacy

**Teaching Experience**

**Instructor**

**COP PHPR3412: U.S. Healthcare System (2016 – )**

Course Coordinator and lecturer (2019 – present)

Lecturer only (2016-2018)

Professional Program, College of Pharmacy, University of Arkansas for Medical Sciences

Lectures: History of US Healthcare System (2hr), Quality, Quality Measures, and CQI (2hr), Professional Credentials and Certifications (1hr), Reimbursement (1hr), Pharmacy Benefit Managers (1hr), Arkansas Medicaid (1hr), Medicare Parts A, B, & C (1hr), Medicare Part D & MTM (2hrs), Healthcare Economics (1hr)

**COP PHPR 7150-010: Qualitative Research (2018 - )**

**Elective Course Coordinator**

Students enrolled in this elective learn how qualitative research methods like interviews, focus groups, and observations are used to investigate complex phenomena in healthcare. Students engage with a team of researchers to assist with all phases of the research process, including objective formulation, study design, literature review, data collection, data analysis, poster preparation and presentation, and manuscript preparation. Students have the opportunity to present the findings from these projects with the research team at state, regional, and national meetings.

**PBHL/GSIC/HSRE 9653: Implementation Research in Clinical Practice Settings (2016 – )**

Graduate Program, Multiple Colleges, University of Arkansas for Medical Sciences

Lecture: Barriers/facilitators to Implementation, Evaluation of Implementation Efforts, and Determinants of Change (3hrs)

**COP PHPR 7106: Patient-Centered Communication (2016 - )**

Professional Program, College of Pharmacy, University of Arkansas for Medical Sciences

Lab Facilitation: Motivational Interviewing Role Play (~16-20hrs)

**COP PHSCS041: Pharmaceutical Evaluation & Policy Graduate Seminar (2016 – )**

Graduate Program, College of Pharmacy, University of Arkansas for Medical Sciences

Lecture:Implementation Science and Common Theories, Models and Frameworks used in Implementation Science Research (2hrs)

**COM: The Business of Medicine (2016 - 2017 )**

Professional Program, College of Medicine, University of Arkansas for Medical Sciences

Lecture: Introduction to Medicare Parts A, B, C, & D (2hrs)

**COP PHPR5733: Pharmacy Management (2016)**

Professional Program, College of Pharmacy, University of Arkansas for Medical Sciences

Team-Based Learning Session:Motivational Interviewing to resolve common conflicts that occur in community pharmacies (1hr)

**PYPP 5970: Introduction to Research Methods in Health Services (2012-2015)**

Professional and Graduate Programs, Harrison School of Pharmacy, Auburn University

Lectures: Qualitative Research Methods, Interviews and Focus Groups (2hrs)

**PYPC 5720: Motivational Interviewing Elective (2013)**

Professional Program, Harrison School of Pharmacy, Auburn University

Lab Facilitation: Motivational Interviewing (~20hrs)

**PYPC 5010: Patient Centered Skills (2012)**

Professional Program, Harrison School of Pharmacy, Auburn University

Lab Facilitation: Motivational Interviewing (~8hrs)

**PYDI 9210: Pharmacy Practice Development, Management and Evaluation I (2011)**

Professional Program, Harrison School of Pharmacy, Auburn University

Lecture: Medicare Part D Prescription Drug Plans, Medicare.Gov Prescription Drug Plan Finder (2hrs)

**Courses Assisted**

**PYDI 9210: Pharmacy Practice Development, Management and Evaluation I**

Professional Program, Harrison School of Pharmacy, Auburn University

3 credit hour required professional course, average enrollment 140-150 second-year pharmacy students. This course focuses on the U.S. health care system, operations management and human resource management.

**PYDI 9310: Pharmacy Practice Development, Management and Evaluation II**

Professional Program, Harrison School of Pharmacy, Auburn University

3 credit hour required professional course, average enrollment 140-150 second year pharmacy students. This course focuses on informatics, marketing, finance and accounting.

**PYPC 5010: Patient Centered Skills**

Professional Program, Harrison School of Pharmacy, Auburn University

3 credit hour required professional course, average enrollment 140-150 first-year pharmacy students. This course focuses on communicating with patients and behavioral theory.

**PYPC 5720: Motivational Interviewing Elective**

Professional Program, Harrison School of Pharmacy, Auburn University

2 credit hour elective course for PharmD students, average enrollment 15-20 third-year pharmacy students. This course focuses on communicating with patients using the research-based set of skills known as Motivational Interviewing.

**Professional Development Courses Related to Teaching**

**ADED 7650: Teaching the Disadvantaged Adult (2014)**

3 credit hour course focused on the unique sociological, psychological, and physiological factors which influence learning.

**HIED 8510: Seminar in College Teaching (2013)**

3 credit hour course focused on methods of instructions in college teaching through the use of experiential learning, discussion, lecture, group and collaborative activities, readings, case studies, e-mail dialogue, student interaction, guest instructor presentations and reflective writing.

**HIED 8500: The Professoriate (2013)**

3 credit hour course focused on the professoriate as an occupation and an examination of the recurring and evolving issues facing faculty roles, work, and career paths.

**Mentoring Experience**

2021 – present Alex Day, PharmD student, College of Pharmacy, University of Arkansas for Medical Sciences. Serve as mentor for introduction to implementation research and will eventually serve as mentor for Honors in Research Program.

2020 – present Vidya Desai, PharmD student, College of Pharmacy, University of Arkansas for Medical Sciences. Serve as mentor for introduction to implementation research and will eventually serve as mentor for Honors in Research Program.

2019 –2021 Catherine Jensen, PharmD student, College of Pharmacy, University of Arkansas for Medical Sciences. Serve as mentor for the Honors in Research Program, advise on research methods, scientific presentations, scholarly writing, and being a valuable member of a research team. Serve on her COPH Integrative Learning Experience Project Advisory committee.

2017 – present Megan Smith, PharmD, faculty member, Department of Pharmacy Practice, College of Pharmacy, University of Arkansas for Medical Sciences. Serve as a resource for qualitative methods and implementation science knowledge on various ongoing projects, review and assist in instrument design, review manuscripts.

2017 – 2020 Maggie Thannisch, PharmD student, College of Pharmacy, University of Arkansas for Medical Sciences. Serve as mentor for the Honors in Research Program, advise on research methods, scientific presentations, scholarly writing, and being a valuable member of a research team.

**Professional Memberships**

Academy Health

American Association of Colleges of Pharmacy

American Pharmacists Association

**References**

**Geoffrey M. Curran, PhD**

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