

**CURRICULUM VITAE**

**SALISA C. WESTRICK, BS PHARM, MS, PHD, FAPhA**

STERLING DRUG, INC. PROFESSOR & DEPARTMENT HEAD  
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## I. EDUCATION

- 2004 Ph.D., Social and Administrative Sciences in Pharmacy, University of Wisconsin-Madison, Madison, WI.  
Degree Emphasis: Organizational Analysis and Innovation Adoption  
Dissertation: Adoption of Immunization Delivery Services in Community Pharmacies
- 2000 M.S., Training and Development, Department of Industrial Technology, Illinois State University, Normal, IL  
Degree Emphasis: Quality Management and Production & Operations Management  
M.S. Project: Utilization of Quality Tools Within Selected Industries in Thailand
- 1997 B.S. Pharmacy, Graduated with first-class honor, Chulalongkorn University, Thailand

## II. POSITION HELD

### Educational Institutions

- 2017 - Pres Professor, Health Outcomes Research and Policy\*, Harrison School of Pharmacy Auburn University
- 2017 – Pres Department Head, Health Outcomes Research and Policy, Harrison School of Pharmacy Auburn University
- 2010 – 2017 Associate Professor, Health Outcomes Research and Policy, Harrison School of Pharmacy Auburn University
- 2009 – 2010 Interim Department Head, Pharmacy Care Systems, Harrison School of Pharmacy Auburn University
- 2004 – 2010 Assistant Professor, Pharmacy Care Systems, Harrison School of Pharmacy Auburn University
- 2003 – 2004 Graduate Research Assistant, School of Pharmacy, University of Wisconsin-Madison
- 2002 – 2003 Graduate Research Assistant, Department of Sociology, University of Wisconsin-Madison
- 2001 – 2003 Graduate Teaching Assistant, School of Pharmacy, University of Wisconsin-Madison
- 2000 – 2001 Wisconsin Distinguished Graduate Fellow, University of Wisconsin-Madison
- 1998 – 2000 Graduate Teaching Assistant, Department of Industrial Technology, Illinois State University
- 1997 – 1998 Lab Instructor/Lecturer, Faculty of Pharmaceutical Sciences, Srinakharinwirot University, Nakorn Nayok, Thailand

\*Formerly named, “Pharmacy Care Systems”

## III. HONORS AND AWARDS

- 2017 – Pres Sterling Drug, Inc Endowed Professorship
- 2022 Outstanding Reviewer for the Journal of the American Pharmacists Association
- 2021 Harrison School of Pharmacy, Strategic Superstar
- 2020 Harrison School of Pharmacy, Continuing Education Presenter of the Year
- 2020 Harrison School of Pharmacy, Hargreaves Faculty Mentor Award
- 2019 Best Publication Award for the Scholarship of Teaching and Learning, Social and Administrative Sciences Section of AACP  
Hohmann LA, Hastings TJ, McFarland SJ, Hollingsworth JC, and **Westrick SC** (2018). Implementation of a Medicare Plan Selection Assistance

- Program Through a Community Partnership. American Journal of Pharmaceutical Education: Volume 82, Issue 9, Article 6452.
- 2019 Best Trainee Poster Award for Graduate Students, AACP  
Hastings TJ, Ha DR, Qian J, Fox BI, Lakin J, **Westrick SC**. Development and evaluation of an immunization information system training program using a participatory design approach. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL, July 14, 2019.
- 2019 Best Poster Award, Substance Abuse Sig, AACP  
Hohmann LA, Fox BI, Garza KB, Wang C, Scott DB, Correia C, Curran G, **Westrick SC**. A Randomized Controlled Trial Evaluating the Impact of a Community Pharmacy-Based Naloxone Education Program. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL, July 14, 2019
- 2019 Finalist – Department Award for Excellence in Education, Auburn University
- 2018 Exemplary assessment – HORP Graduate Program (PhD)
- 2017 Outstanding Graduate Mentor, Auburn University
- 2017 Exemplary assessment – HORP Graduate Program (PhD)
- 2017 Chair: Academy of Pharmaceutical Research and Science, Economic, Social and Administrative Sciences Section (ESAS)
- 2016 American Pharmacists Association Academy of Pharmaceutical Research and Science (APhA-APRS) Fellow
- 2016 Chair Elect: Academy of Pharmaceutical Research and Science, Economic, Social and Administrative Sciences Section (ESAS)
- 2015 Harrison School of Pharmacy's Excellence in Outreach Award
- 2014 Best Poster Award. Alabama Public Health Association Educational Conference  
Zeek ML, Savoie MJ, Song M, Kennamur LM, Jungnickel PW, Qian JJ, **Westrick SC**. Optimal Sleep Pattern for Academic Success Among Student Pharmacists. Alabama Public Health Association Educational Conference, Birmingham AL, April 2014.
- 2013 Saranrat Wittayanukorn (Master's Advisee)'s thesis was selected as one of the six winners of the Auburn University Graduate School's Master's Thesis Awards.
- 2013 Rho Chi Society
- 2009 Finalist for the American Pharmacists Association-Basic, Clinical, and Economic, Social and Administrative Sciences section Postgraduate Best Paper Podium Award  
Watcharadamrongkun S, **Westrick SC**, Mount JK. Effects of Pharmacy School Affiliation on Pharmacy Involvement in Public Health Activities: A 17-state Study.
- 2009 First place for Humanities Oral Presentation at the 2009 Graduate Research Forum Presentation, Auburn University  
Breland ML, **Westrick SC**. Sustainability of pharmacy-based innovations: the exploration of in-house immunization services.
- 2008 Named a Top Reviewer for Research in Social and Administrative Pharmacy
- 2008 Second place for Humanities Oral Presentation at the 2008 Graduate Research Forum, Auburn University.  
Breland ML, **Westrick SC**. Pharmacy-based immunization services in Washington.
- 2008 Selected as an American Association of Colleges of Pharmacy/Wal-Mart Scholarship Mentor
- 2007 Third place for Humanities Oral Presentation at the 2007 Graduate Research, Auburn University.  
Breland ML, **Westrick SC**. Community pharmacy readiness to provide in-house and outsourced immunization delivery services.
- 2005 – 2006 Received an American Association of Colleges of Pharmacy New Investigator Grant.

2004	Received a dissertation grant from the Agency for Healthcare Research and Quality
2003 – 2004	Mentored a student in the Undergraduate Research Scholars Program, University of Wisconsin-Madison
2001	Received a scholarship sponsored by Wisconsin Alumni Association and Thai Students Association, University of Wisconsin-Madison.
2000 – 2001	Received a Wisconsin Distinguished Graduate Fellowship, University of Wisconsin-Madison
2000	Member of Epsilon Phi Tau Honor Society, Illinois State University
1999	Received a Lela Winegarner Fellowship, Illinois State University
1997	Graduated with First-Class Honor, Chulalongkorn University, Thailand

#### IV. PROFESSIONAL MEMBERSHIPS

2004 – Present	American Association of Colleges of Pharmacy
2003 – Present	American Pharmacists Association
2019 – Present	Alabama Pharmacy Association
2022 – Present	Academy Health

#### V. PUBLICATIONS/PRESENTATIONS

##### Articles in Refereed Journals

1. McCormick N, Jackson BN, Durham SH, Hohmann NS, **Westrick SC**. Qualitative analysis of community pharmacy-based COVID-19 immunization service operations. *Journal of the American Pharmacists Association*. In Press. PMID: 37394061.
2. Hosea K, Mashburn P, Kennelty K, **Westrick SC**, Look K, Evon D, Carpenter, DM. Naloxone analogy and opioid overdose terminology preferences among rural caregivers: differences by race. *Journal of the American Pharmacists Association*. In Press.
3. Fahim SM, Alexander C, Qian J, Ngorsuraches S, Hohman NS, Braxton KB, Reagan A, Hart L, McCormick N, **Westrick SC**. Current published evidence on barriers and proposed strategies for genetic testing implementation in healthcare settings: A scoping review. *Journal of the American Pharmacists Association*. In Press.
4. Aref H, **Westrick S**, Chou C, Worthington D, Garza K. How to inform college students about Meningitis B vaccine? Comparative effectiveness of an online theory-based text and video intervention. *Journal of American College Health*. In Press. <https://doi.org/10.1080/07448481.2022.2064713>.
5. Hohmann L, Fox B, Garza K, Wang C, Correia C, Curran G, **Westrick S**. Impact of a multicomponent educational intervention on community pharmacy-based naloxone services implementation: A pragmatic randomized controlled trial. *Annals of Pharmacotherapy*. 2023; 57(6):677-695. doi: 10.1177/10600280221120405. Epub 2022 Sep 1. PMID: 36047381.
6. AlMahasis S, Fox B, Ha D, Qian J, Wang C, **Westrick SC**. Pharmacy-based Immunization in Rural USA During the COVID-19 Pandemic: A survey of community pharmacists from five southeastern states. *Vaccine*. 2023; 41(15): 2053-13. <https://doi.org/10.1016/j.vaccine.2023.03.002>
7. Gamble A, Hastings TJ, **Westrick SC**, Smith M, Hannings, AN, Robinson JM, Rosenthal M, Kiser SN, Curran G, Carpenter DM. COVID-19 booster vaccination in rural community pharmacies, *Vaccine*. 2023; 41(5): 999-1002. <https://doi.org/10.1016/j.vaccine.2022.12.050>
8. Hastings T, Zhao Y, Ha D, Fox BI, Qian J, Lakin J, **Westrick SC**. Determinants to Immunization Information System Implementation in Independent Community Pharmacies in Rural Alabama. *Research in Social & Administrative Pharmacy*. 2023; 19(1):86-94. <https://doi.org/10.1016/j.sapharm.2022.09.004>.
9. Banjara B, Poudel N, Garza K, **Westrick S**, Whitley H, Redden D, Ngorsuraches S. Patients' preferences for sodium-glucose cotransporter 2 inhibitors and glucagon-like peptide-1 receptor agonists. *Patient Preference and Adherence*. 2022; 16: 3415-28. doi: 10.2147/PPA.S391719.
10. Gamble A, Mashburn T, Kennelty KA, Look KA, **Westrick SC**, Evon DM, Tudor G, Carpenter DM. Addressing the opioid epidemic through community pharmacy engagement: Study protocol for a randomized controlled trial. *Contemporary Clinical Trials*. 2022 Oct;121:106920.

11. Hohmann L, Phillippe H, Marlowe K, Jeminiwa R, Hohmann N, **Westrick S**, Fowler A, Fox B. A state-wide education program on opioid use disorder: influential community members' knowledge, beliefs, and opportunities for coalition development. *BMC Public Health*. 2022; 22:886. <https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-022-13248-z>
12. Hastings TJ, Ha D, Fox BI, Qian J, Lakin J, **Westrick SC**. Increasing use of immunization information systems for routine vaccinations in independent community pharmacies: a randomized controlled trial. *Journal of the American Pharmacists Association*. 2022; 62(4):1270-79.e2. <https://doi.org/10.1016/j.japh.2022.02.010>
13. **Westrick SC**, Harris T, Hastings T, Zhao Y, Diggs K, Shah R. Evaluation of a poverty-focused educational program and simulation for pharmacists. *Currents in Pharmacy Teaching and Learning*. 2022; 14(3): 344-351. <https://doi.org/10.1016/j.cptl.2022.01.020>.
14. Carpenter DM, Hastings T, **Westrick S**, Mashburn P, Rosenthal M, Smith M, Kiser S, Gamble A, Brewer NT, Curran G. Rural community pharmacists' ability and interest in administering COVID-19 vaccines in the Southern United States. *Journal of the American Pharmacists Association*. 2022; 62(4):1779-1383. <https://doi.org/10.1016/j.japh.2022.01.013>.
15. Kim NH, Wilson N, Mashburn T, Reist L, **Westrick SC**, Look K, Kennelty K, Carpenter D. Lessons Learned Recruiting A Diverse Sample of Rural Study Participants During the COVID-19 Pandemic. *International Journal of Drug Policy*. 2021; 97: 103344. <https://doi.org/10.1016/j.drugpo.2021.103344>.
16. Zhao Y, Diggs K, Ha D, Fish H, Beckner J, **Westrick SC**. Participation in emergency preparedness and response: A national survey of pharmacists and pharmacist extenders. *Journal of the American Pharmacists Association*. 2021; 61(6): 722-8. <https://doi.org/10.1016/j.japh.2021.05.011>
17. Drummond D, Kirby AN, Gamston CE, **Westrick S**, Saunders J, Braxton Lloyd K. Impact of interdisciplinary education on pharmacy student knowledge and comfort with counseling on drug-nutrient interactions. *Currents in Pharmacy Teaching and Learning*. 2021;13(4):382-90. <https://doi.org/10.1016/j.cptl.2020.11.007>.
18. Mishuk AU, Chen L, Gaillard P, **Westrick S**, Hansen RA, Qian J. National trends in prescription proton pump inhibitor use and expenditure in the United States in 2002-2017. *Journal of the American Pharmacists Association*. 2021; 61(1): 87-94.e7. <https://doi.org/10.1016/j.japh.2020.09.015>
19. Zhao Y, Diggs K, Chen ZX, Hohmann N, Kwon W, **Westrick SC**. Qualitative exploration of factors influencing Medicare beneficiaries' plan selection process. *Journal of Managed Care & Specialty Pharmacy*. 2021; 27(3): 339-53. <https://doi.org/10.18553/jmcp.2021.27.3.339>.
20. Carpenter DM, Hastings T, **Westrick S**, Rosenthal M, Mashburn P, Kiser S, Shepherd JG, Curran G. Rural community pharmacies' preparedness for and responses to COVID-19. *Research in Social & Administrative Pharmacy*. 2021; 17(7):1327-31. <https://doi.org/10.1016/j.sapharm.2020.10.008>
21. Chen ZX, Hohmann L, Banjara B, Zhao Y, Diggs K, **Westrick SC**. Recommendations to protect patients and healthcare practices from Medicare and Medicaid fraud. *Journal of the American Pharmacists Association*. 2020; 60(6), e60-65. <https://doi.org/10.1016/j.japh.2020.05.011>
22. Hastings TJ, Ha D, Fox BI, Qian J, Lakin J, **Westrick SC**. Assessing barriers and increasing use of immunization information systems in independent community pharmacies: Study protocol for a randomized controlled trial. *Research in Social and Administrative Pharmacy*. 2020, 16(7): 987-992. <https://doi.org/10.1016/j.sapharm.2019.10.007>
23. Hastings TJ, Hohmann LA, Huston SA, Ha D, **Westrick SC**, Garza KB. Enhancing pharmacy personnel immunization-related confidence, perceived barriers, and perceived Influence: The We Immunize Program. *Journal of the American Pharmacists Association*. 2020; 60(2): 344-351. <https://doi.org/10.1016/j.japh.2019.10.005>
24. Hohmann LA, Hastings TJ, Qian JJ, Curran G, **Westrick SC**. Medicare Annual Wellness Visits: A Scoping Review of Current Practice Models and Opportunities for Pharmacists. *Journal of Pharmacy Practice*. 2020; 33 (5): 666-681. <https://doi.org/10.1177/0897190019847793>.
25. Hohmann LA, Hastings TJ, Ha DR, Garza KB, Huston SA, Chen L, **Westrick SC**. Impact of a multi-component immunization intervention on pneumococcal and herpes zoster vaccinations: A randomized controlled trial of community pharmacies in 2 states. *Research in Social and Administrative Pharmacy*. 2019; 15(12): 1453-63. <https://doi.org/10.1016/j.sapharm.2019.01.006>.
26. Huston S, Ha D, Hohmann L, Hastings T, Garza K, **Westrick SC**. Qualitative Investigation of Community Pharmacy Immunization Enhancement Program Implementation. *Journal of Pharmacy Technology*. 2019; 35(5): 208-18. <https://doi.org/10.1177/8755122519852584>

27. Hastings TJ, Hohmann LA, Neal J, **Westrick SC**. A Pharmacy-based referral program to assist low-income Medicare beneficiaries. *Journal of the American Pharmacists Association*. 2019; 59(3): 416-22. <https://doi.org/10.1016/j.japh.2019.01.006>
28. Carpenter DM, Roberts CA, **Westrick SC**, Ferreri SP, Kennelty KA, Look KA, Abraham O, Wilson C. A content review of online naloxone continuing education courses for pharmacists in states with standing orders. *Research in Social and Administrative Pharmacy*. 2018; 14(10):968-978. <https://doi.org/10.1016/j.sapharm.2017.11.011>.
29. Hohmann LA, Hastings TJ, McFarland SJ, Hollingsworth JC, **Westrick SC**. Implementation of a Medicare plan selection assistance program through a community partnership. *American Journal of Pharmaceutical Education*. 2018; 82(9): Article 6452. <https://doi.org/10.5688/ajpe6452>.
30. Wittayanukorn S, Qian J, **Westrick SC**, Billor N, Johnson B, Hansen RA. Prevention of Trastuzumab and Anthracycline-Induced Cardiotoxicity Using Angiotensin-Converting Enzyme Inhibitors or Beta-Blockers in Older Adults with Breast Cancer. *American Journal of Clinical Oncology*. 2018; 41(9): 909-918. <https://doi.org/10.1097/COC.0000000000000389>
31. **Westrick SC**, Patterson BJ, Kader MS, Rashid S, Buck PO, Rothholz MC. National survey of pharmacy-based immunization services. *Vaccine*. 2018; 36(37): 5657-5664. <https://doi.org/10.1016/j.vaccine.2018.07.027>
32. **Westrick SC**, Hohmann LA, McFarland S, Teeter BS, White KK, Hastings TJ. Parental acceptance of human papillomavirus vaccinations and community pharmacies as vaccination settings: A qualitative study in Alabama. *Papillomavirus Research*. 2017; 3: 24-29.
33. Hastings TJ, Hohmann LA, McFarland SJ, Teeter, BS, **Westrick SC**. Pharmacists' Attitudes and Perceived Barriers to Human Papillomavirus (HPV) Vaccination Services. *Pharmacy*. 2017;5(3):45.
34. **Westrick SC**, Hastings T, McFarland S, Hohmann L, Hohmann N. How Do Pharmacists Assist Medicare Beneficiaries with Limited Income? A Cross Sectional Study of Community Pharmacies in Alabama. *Journal of Managed Care & Specialty Pharmacy*. 2016; 22(9): 1039-1045.
35. Teeter BS, Fox BI, Garza KB, Harris SG, Nau DP, Owensby JK, **Westrick SC**. Community pharmacy owners' views of star ratings and performance measurement: In-depth interviews. *Journal of the American Pharmacists Association*. 2016; 56(5): 549-54.
36. **Westrick SC**, Owen J, Hagel H, Owensby JK, Lertpichitkul TL. Impact of the RxVaccinate Program for pharmacy-based pneumococcal immunization: a cluster randomized controlled trial. *Journal of the American Pharmacists Association*. 2016; 56(1): 29-36.
37. Garza KB, Williamson M, Stevenson L, Teeter BS, Zeek ML, Savoie M, **Westrick SC**. Patient vaccination education program through an introductory pharmacy practice experience. *Currents in Pharmacy Teaching and Learning*. 2015; 7(6):764-70.
38. Wittayanukorn S, Qian J, **Westrick SC**, Billor N, Johnson B, Hansen RA. Treatment Patterns among Breast Cancer Patients in the United States Using Two National Surveys on Visits to Physicians' Offices and Hospital Outpatient Departments. *Research in Social and Administrative Pharmacy*. 2015; 11(5): 708-20. doi:10.1016/j.sapharm.2014.12.002.
39. Ding Q, Barker KN, Flynn EA, **Westrick SC**, Chang M, Thomas RE, Braxton-Lloyd K, Sesek R. Incidence of Intravenous Medication Errors in a Chinese Hospital. *Value in Health Regional Issues*. 2015;6:33-9.
40. Zeek ML, Savoie MJ, Song M, Kennemur LM, Qian J, Jungnickel PW, **Westrick SC**. Sleep Duration and Academic Performance Among Student Pharmacists. *American Journal of Pharmaceutical Education*. 2015. 79(5). Article 63.
41. Hollingsworth JC, Teeter BS, **Westrick SC**. Evaluation of Student Outcomes After Participating in a Medicare Outreach Program. *Journal of Higher Education Outreach and Engagement*. 2015. 19(2): 139-54.
42. Hester KE, Carroll DG, Kelley KW, **Westrick SC**. Implementation and Evaluation of Evidence-based Patient Care Application During a Primary Care Advanced Practice Experience. *Currents in Pharmacy Teaching and Learning*. 2015; 7: 324-31.
43. Teeter BS, Garza KB, Stevenson TL, Williamson MA, Zeek ML, **Westrick SC**. Factors associated with herpes zoster vaccination status and acceptance of vaccine recommendation in community pharmacies. *Vaccine*. 2014; 32(43):5749-5754.
44. Teeter BS, Braxton-Lloyd K, Armenakis A, Fox B, **Westrick SC**. Adoption of a Biometric Screening Service in Community Pharmacies: A Qualitative Study. *Journal of the American Pharmacists Association*. 2014; 54(3): 258-266.

45. Oliver, W, McGuffey G, **Westrick SC**, Jungnickel P, Correia CJ. Alcohol use behaviors among pharmacy students. *American Journal of Pharmaceutical Education*. 2014; 78(2). Article 30.
46. **Westrick SC**, Garza KB, Stevenson TL, Oliver WD. Association of blood pressure with sodium-related knowledge and behaviors among adults with hypertension. *Journal of the American Pharmacists Association*. 2014; 54(2): 154-158.
47. Garza KB, **Westrick SC**, Teeter BS, Stevenson TL. Incorporating Hypertensive Patient Education on Salt Intake Into an Introductory Pharmacy Practice Experience. *American Journal of Pharmaceutical Education*. 2013; 77(9). Article 199.
48. Lorenz R, Norris MM, Norton L, **Westrick SC**. Factors associated with influenza vaccination decisions among patients with mental illness. *International Journal of Psychiatry in Medicine*. 2013; 46(1): 1-13.
49. Cannon-Breland ML, **Westrick SC**, Kavookjan J, Berger BA, Shannon D, Lorenz R. Pharmacists' self-reported antidepressant medication counseling. *Journal of the American Pharmacists Association*. 2013; 53(4):390-99.
50. Wittayanukorn S, **Westrick S**, Hansen R, Billor N, Braxton-Lloyd K, Fox B, Garza K. Evaluation of Medication Therapy Management Services for Patients with Cardiovascular Disease in a Self-Insured Employer Health Plan. *Journal of Managed Care Pharmacy*. 2013; 19(5): 385-95.
51. **Westrick SC**, Kamal KM, Moczygemba LR, Breland ML, Heaton PC. Characteristics of Social and Administrative Sciences graduate programs and strategies for student recruitment and future faculty development in the United States. *Research in Social and Administrative Pharmacy*. 2013; 9(1): 101-7.
52. Cline RR, Worley MM, **Westrick SC**. Science, Innovation, and Innovation in the Science of Pharmacy. *Innovations in Pharmacy*. 2010; 1(1): 1-6.
53. **Westrick SC**. Pharmacy characteristics, vaccination service characteristics, and service expansion: An analysis of sustainers and new adopters. *Journal of the American Pharmacists Association*. 2010; 50(1): 52-60.
54. **Westrick SC**. Forward and backward movements in pharmacy-based immunization services. *Research in Social and Administrative Pharmacy*. 2010. 6(1): 18-31.
55. **Westrick SC**, Watcharadamrongkun S, Mount JK. College/School of Pharmacy affiliation and community pharmacies' involvement in public health activities. *American Journal of Pharmaceutical Education*. 2009. 73(7). Article 123.
56. **Westrick SC**, Helms K, McDonough S, Breland ML. Factors influencing pharmacy students' attendance decisions in large lectures. *American Journal of Pharmaceutical Education*. 2009; 73(5). Article 83.
57. **Westrick SC**, Breland ML. Sustainability of pharmacy-based innovations: the case of in-house immunization services. *Journal of the American Pharmacists Association*. 2009;49(4): 500-508.
58. **Westrick SC**, Watcharadamrongkun S, Mount JK, Breland ML. Community pharmacy involvement in vaccine distribution and administration. *Vaccine*. 2009; 27(21): 2858-2863.
59. **Westrick SC**, Mount JK. Impact of perceived innovation characteristics on adoption of pharmacy-based in-house immunization services. *International Journal of Pharmacy Practice*. 2009; 17(1): 39-46.
60. **Westrick SC**, Mount JK, Watcharadamrongkun S, Breland ML. Pharmacy stages of involvement in pharmacy-based immunization services: results from a 17-state survey. *Journal of the American Pharmacists Association*. 2008; 48: 764-773.
61. **Westrick SC**, Mount JK. Effects of repeated callbacks on response rate and nonresponse bias: results from a 17-state pharmacy survey. *Research in Social and Administrative Pharmacy*. 2008; 4: 46-58.
62. **Westrick SC**, Mount JK. Evaluating telephone follow-up of a mail survey of community pharmacies. *Research in Social and Administrative Pharmacy*. 2007. 3: 160-182.

### Book Chapters

1. Teeter BS, **Westrick SC**. Marketing applications. In Zgarrick D, Moczygemba LR, Alston GL, & Desselle, SP (Eds). *Pharmacy Management: Essentials for All Practice Settings*, Fourth Edition. New York: McGraw Hill. 2016; 427-449.
2. **Westrick SC**. Teeter BS. Organizational change. In N Rickles, Wertheimer A, & Schommer JC, (Eds). *Social and Behavioral Aspects of Pharmacy Practice*, Third Edition. Dubuque, IA: Kendall Hunt Publishing Company. 2016; 133-55.
3. Teeter BS, **Westrick SC**. Marketing applications. In S. Desselle, Zgarrick D, & Alston G, (Eds). *Pharmacy Management*, Third Edition. New York: McGraw Hill. 2012; 405-426.



4. **Westrick SC**. Organizational change. In N Rickles, Wertheimer A, & Smith M, (Eds). *Social and Behavioral Aspects of Pharmaceutical Care*, Second Edition. Sudbury, MA: Jones and Barlett Publishers. 2009;121-39.

### Professional Periodicals

1. Heaton P, **Westrick SC**. Community-based pharmacy residents: Transforming the healthcare landscape. *Journal of the American Pharmacists Association*. 2018; 58(4, Supplement): S5-S6.
2. **Westrick SC**, Hohmann LA, Hastings TJ. Pharmacy technicians-A critical element to facilitate implementation of pharmacist-provided services. *Journal of the American Pharmacists Association*. 2018; 58(2): 133-4. oi: 10.1016/j.japh.2018.02.008.
3. **Westrick SC**, Felkey BG. Considering the podcasting option. *America's Pharmacist*. 2009; 131(6):52-53.
4. **Westrick SC**, Breland ML, Mount JK. Where are we? a look at pharmacy-based in-house immunization services in Alabama. *Alabama Pharmacy*. 2008; Summer: 50-51.
5. **Westrick SC**, Felkey FG. Pharmacy-based immunization: using readily available technology to start or enhance pharmacy-based immunization. *International Journal of Pharmaceutical Compounding*. 2008;12(4):334-337.
6. **Westrick SC**, Breland ML. In-house immunization services in Washington State. *Washington Pharmacy*. 2008;50(4):27-29.
7. **Westrick SC**, Mount JK. Readiness to provide pharmacy-based immunization delivery services. *Washington Pharmacy*. 2006; 48(1):28-29.
8. **Chamnanmoh S**, Mount JK, Rochon J. Immunization activities in Washington pharmacies. *Washington Pharmacy*, 2004; 46(2):20-21.

### Peer Reviewed Contributed Papers/Abstracts from Scientific Presentations

#### Peer-Reviewed Papers Presented at International and National Professional Meetings

1. **Westrick SC**, Meininger C, Ezeala O, Fish H, Beckner J, Ha D. Factors Associated with Immunisation Registry Utilisation amongst Independent Community Pharmacies in the United States. Poster to be presented at 81<sup>st</sup> FIP World Congress of Pharmacy and Pharmaceutical Sciences, Brisbane, Australia. September 2023.
2. Davis BR, **Westrick S**, Chou CE, Jackson C, Garza KB. Current practices, stigma, and barriers to implementing depression screening services in rural community pharmacies. Poster to be presented at the American Association of Colleges of Pharmacy Annual Meeting, Aurora, CO.
3. **Westrick SC**. Fish H, Beckner J, Ha D, Meininger C. Utilization of Immunization Information Systems among independently owned community pharmacies in the United States: A cross-sectional study. Poster to be presented at: AcademyHealth; June 2023; Seattle, WA.
4. AlMahasis S, Fox B, Ha D, Qian J, Wang C, **Westrick S**. Pharmacy-based immunization in rural USA during the COVID-19 Pandemic: A survey of Community Pharmacists from Five Southeastern States. Poster to be presented at: AcademyHealth Annual Research Meeting. Seattle, WA. June 24-27, 2023.
5. Fahim SM, **Westrick SC**, Qian J, Ngorsuraches S, Alexander C, Lloyd KB, Hohmann NS. Intentions regarding genetic testing among the US population: A survey using theory of planned behavior (TPB). Poster presentation at: ISPOR; May 2023; Boston, MA.
6. Le J, Gamston CE, Zmajevac M, Qian J, Truong B, **Westrick S**, Lloyd KB. Assessment of patient outcomes from a pharmacist-led interprofessional transitions of care service. Podium presentation at the Southeastern Residency Conference; April 2023; Athens, GA.
7. McCormick N, Jackson BN, Durham S, Hohmann N, **Westrick S**. Qualitative analysis of best practices in operations of pharmacy-based COVID-19 immunization services. Poster presentation at: the American Pharmacists Association (APhA) Annual Meeting; March 2023; Phoenix, AZ.
8. Ezeala OM, McCormick N, **Westrick SC**. Effectiveness of Medicare Part B preventive service educational brochures on uptake intention. Poster presentation at: the American Pharmacists Association (APhA) Annual Meeting; March 2023; Phoenix, AZ.



9. Le J, Gamston CE, Zmajevac M, **Westrick S**, Lloyd KB. Assessment of patient outcomes from a pharmacist-led interprofessional transitions of care program: the ICARE program. Poster presentation at: the American Society of Health Systems Pharmacists Midyear Clinical Meeting; Dec, 2022; Las Vegas, NV.
10. King K, Gamston CE, **Westrick S**, Blaine E, Lloyd KB. Evaluation of a pharmacist-led transitions of care model provided through an ambulatory care clinic. Poster presentation at: the Southeastern Residency Conference; April, 2022; Virtual Conference.
11. Latson-Chambers A, Gamston CE, **Westrick S**, Blaine E, Lloyd KB. Assessment of the implementation of a pharmacist-led interprofessional transitions of care service. Poster presentation at: Southeastern Residency Conference; April, 2022; Virtual Conference.
12. Carpenter DM, Barber C, Mashburn T, Kennelty K, Look K, Stover AN, **Westrick S**. Exploring racial differences in opioid overdose terminology preferences for rural patients. Podium presentation at: the International Conference on Communication in Healthcare (ICCH); September 2022; Glasgow, Scotland.
13. Carpenter DM, Mashburn P, Hastings T, **Westrick S**, Rosenthal M, Kiser S, Curran G. RURAL-CP: A rural community pharmacy practice-based research network in the United States. Podium presentation at: the WONCA World Rural Health Conference; June 2022; Limerick, Ireland.
14. Zhao Y, Reese V, Qian J, Hohmann NS, Kavookjian J, Kostecky K, **Westrick SC**. Utilization of medication management services in older adults with dementia: A qualitative study. Poster presentation at: Southern Pharmacy Administration Conference; June 2022; Houston, TX.
15. Zhao Y, Hohmann LA, **Westrick SC**. Implementation of a Medicare Plan Selection Telephone Counseling Program. Poster presentation at: Southern Pharmacy Administration Conference; June 2022; Houston, TX.
16. McCormick N, **Westrick S**, Durham S. Victorious vaccinators: Alabama community pharmacists' COVID-19 immunization experiences. Poster presentation at: Southern Pharmaceutical Association Conference; June 2022; Houston, TX.
17. Fahim SM, Ngorsuraches S, Qian J, Hohmann N, Watts Alexander CS, Braxton Lloyd, **Westrick SC**. Geographical access to genetic testing centers for people living in United States. Poster presentation at: Southern Pharmacy Administration Conference; June 2022; Houston, TX.
18. Banjara B, Poudel N, Garza KB, **Westrick SC**, Whitley HP, Ngorsuraches S. Patients' preferences for newer second-line pharmacological agents in type 2 diabetes. Poster presentation at: International Society of Pharmacoeconomics and Outcomes Research (ISPOR) Meeting; May 2022; Washington, DC.
19. Carpenter DM, Mashburn P, **Westrick S**, Look K, Roberts A, Kennelty K. Preparing rural community pharmacists to discuss naloxone and opioid overdose with patients and caregivers. Oral presentation at: the International Conference on Communication in Healthcare (ICCH); October 17-20, 2021; Virtual conference.
20. Carpenter DM, Mashburn P, Kennelty K, Look K, Stover A, Roberts A, **Westrick S**. Strategies for overcoming barriers to communicating about naloxone and opioid overdose in rural community pharmacies. Poster presentation at: the International Conference on Communication in Healthcare (ICCH); October 17-20, 2021; Virtual conference.
21. Mishuk AU, Chen L, Gaillard P, **Westrick SC**, Qian J. Risks of Cardiovascular and Kidney Events Associated with Proton Pump Inhibitor Use among Medicare Beneficiaries: A Retrospective New User Cohort Study. Poster presentation at: 37th ICPE: International Conference on Pharmacoepidemiology & Therapeutic Risk Management; August 23-25, 2021; Virtual conference.
22. Kader MS, Kwon WS, **Westrick S**, Ross K, Zhao Y, Huang X. What functions on the Medicare plan finder do older Medicare beneficiaries use? Poster presentation at: International Conference on Human-Computer Interaction; July 24-29, 2021; Washington DC.
23. Ross K, Kwon WS, **Westrick S**, Kader MS, Zhao Y, Huang X. Medicare plan decisions: what strategy do older adults use for e-healthcare decision-making and what intelligent assistance do they need? Poster presentation at: International Conference on Human-Computer Interaction; July 24-29, 2021; Washington DC.
24. Huang X, Kwon WS, **Westrick SC**, Ross K, Kader MS, Zhao Y. Can counselor intervention impact Medicare plan attributes considered by older users of the Medicare Plan Finder? Poster presentation at: AcademyHealth Annual Research Meeting (ARM); June 14-17, 2021; Virtual conference.

25. Carpenter DM, Mashburn P, Hastings T, **Westrick S**, Rosenthal M, Smith M, Kiser S, Curran G. RURAL-CP: The First Rural Community Pharmacy Practice-Based Research Network. Poster presentation at: the American Pharmacists Association (APhA) Annual Meeting; March 12-15, 2021; Virtual conference.
26. Carpenter DM, Mashburn P, Hastings T, **Westrick S**, Rosenthal M, Shepherd JG, Curran G, Kiser S. Rural community pharmacies' preparedness for and responses to COVID-19. Oral poster presentation at: the American Pharmacists Association (APhA) Annual Meeting; March 12-15, 2021; Virtual conference.
27. Yi Zhao, Fish H, Ha D, Beckner J, **Westrick SC**. Immunization knowledge and practice provision of children and adolescent immunization services: A national survey of community pharmacists. Oral poster presentation at: the American Pharmacists Association (APhA) Annual Meeting; March 12-15, 2021; Virtual conference
28. Hastings TJ, Ha DR, Fox BI, Qian J, Lakin J, **Westrick SC**. Identifying immunization information system (IIS) implementation factors in the independent community pharmacy setting. Oral presentation at: the 13th Annual Conference on the Science of Dissemination and Implementation in Health; December 15-17, 2020; Virtual conference.
29. Harris T, **Westrick SC**. Hastings T, Zhao Y, Diggs K. Integrating poverty simulation into an educational program for pharmacists. Poster presentation at: Mid-Year American Society of Hospital Pharmacists; December 6-10, 2020; Virtual conference.
30. Mishuk AU, Fahim SM, Hansen RA, Chen L, Gaillard P, **Westrick S**, Qian J. Proton pump inhibitors and risk of myocardial infarction: a systematic review and meta-analysis. Poster presentation at: American Heart Association Scientific Sessions; November 13-17, 2020; Virtual conference.
31. Courtney E, **Westrick SC**. Usefulness of resources utilized by pharmacists when answering patient questions and discerning information during the COVID-19 Pandemic. Poster presentation at: the American College of Clinical Pharmacy Annual Meeting; October 19-30, 2020; Virtual conference.
32. Hohmann LA, Fox BI, Garza KB, Wang C, Scott DB, Correia C, Curran G, **Westrick SC**. Factors motivating pharmacist participation in community pharmacy-based naloxone services in the deep south. Poster presentation at: the American Association of Colleges of Pharmacy; July 2020; Virtual conference.
33. Hohmann NS, Qian J, **Westrick SC**, Hunt C, Hincapie AL, Garza KB. Older adults' preferences for features of community-based fall prevention programs: a discrete choice experiment. Poster presentation at: the 21st Annual Meeting of the American Association of Colleges of Pharmacy; July 2020; Virtual conference.
34. Li C, Fahim SM, Westrick SC, Qian J. Medicare Part D prescription payments by prescriber specialty type in 2017. Poster presentation at: ISPOR 2020 International Annual Meeting; Orlando, FL. May 16-20, 2020. Virtual conference.
35. Hastings TJ, Ha DR, Fox BI, Qian J, Lakin J, **Westrick SC**. Identifying immunization information system (IIS) implementation factors in the independent community pharmacy setting. Accepted for poster presentation at: the National Immunization Conference; Atlanta, GA; May 19-21, 2020. Conference canceled.
36. Westrick SC, Ha D, Fish H, Beckner J. Pharmacists' knowledge of ACIP recommendations and vaccine availability: comparison across rural, suburban and urban Community Pharmacies. Accepted for poster presentation at: the National Immunization Conference; Atlanta, GA; May 19-21, 2020. Conference canceled.
37. Hohmann NS, Qian J, **Westrick S**, Hunt C, Hincapie A, Garza KB. Older adults' perceived barriers to participating in community-based fall prevention programs. Poster presentation at: the American Pharmacists Association (APhA) Annual Meeting; March 2020; Virtual conference.
38. Hohmann LA, Fox BI, Garza KB, Wang CH, Scott DB, Correia C, Curran GM, **Westrick SC**. Enhancing naloxone services implementation using an educational webinar: a randomized controlled trial in Alabama. Poster presentation at: the American Pharmacists Association (APhA) Annual Meeting and Exposition; March 2020; Virtual conference.
39. Hastings T, Ha D, Qian J, Fox, **Westrick S**, Lakin J. Assessing barriers and increasing use of immunization information systems in pharmacies: a randomized controlled trial. Oral presentation at: the American Pharmacists Association Annual Meeting; March 2020; Virtual conference.

40. Zhao Y, **Westrick S**, Fish H, Beckner J, Ha D. Immunization practices: a survey of community pharmacy personnel. Oral presentation at: the American Pharmacists Association Annual Meeting; March 2020; Virtual conference.
41. Davis B, Garza K, Westrick S, Chou E, Jackson C. Understanding barriers and solutions towards access to mental health among rural adolescents. Abstract accepted for presentation at Translational Science 2020 meeting; April 2020; Presentation canceled. Abstract is available: DOI: 10.1017/cts.2020.443.
42. Hohmann LA, Fox BI, Garza KB, Wang C, Scott DB, Correia C, Curran G, **Westrick SC**. A Randomized Controlled Trial Evaluating the Impact of a Community Pharmacy-Based Naloxone Education Program. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL, July 14, 2019
43. Hastings TJ, Ha DR, Qian J, Fox BI, Lakin J, **Westrick SC**. Development and evaluation of an immunization information system training program using a participatory design approach. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL, July 14, 2019.
44. Hohmann LA, Diggs K, Fox BI, Garza KB, Wang CH, Curran GM, **Westrick SC**. Empowering community pharmacists to prevent opioid overdose deaths: A qualitative study exploring pharmacists' needs, attitudes, barriers, and implementation strategies regarding pharmacy-based naloxone services. Poster presentation at the American Pharmacists Association (APhA) Annual Meeting, March 2019, Seattle, WA.
45. Hohmann NS; Qian J; **Westrick S**; Hunt C; Hincapie A; Garza KB. Patient preferences for features of community-based fall prevention programs: A systematic literature review and qualitative meta-synthesis. Podium presentation at the American Pharmacists Association (APhA) Annual Meeting, March 2019, Seattle, WA.
46. Hastings TJ, Zhao Y, Ha DR, Fox BI, Qian J, Lakin J, **Westrick SC**. Immunization registry implementation IN community pharmacy: a qualitative study using THE consolidated framework FOR implementation research (CFIR). American Pharmacists Association Annual Meeting and Exposition, March 2019, Seattle, WA.
47. Aref H, Garza KB, Westrick SC, Chou C, Worthington D, Kam F. Effects of online video and text educational material on knowledge, perceptions, and intention of Men B vaccination among college students. Poster presentation at 2018 AACP Annual Meeting. Boston, MA, July 2018.
48. Hohmann L, Hastings T, **Westrick S**. Improving Pharmacy Student Knowledge and Medicare Beneficiary Cost-Savings: A Community Partnership Over 5 Years. Poster Presentation at Annual Meeting of the American Association of Colleges of Pharmacy, Boston, MA, July 2018.
49. Hastings TJ, Hohmann LA, Garza KB, Huston SA, Ha DR, **Westrick SC**. Enhancing Pharmacy Personnel Immunization-Related Confidence, Perceived Barriers, and Perceived Influence: The We Immunize Program. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, Boston, MA, July 2018.
50. **Westrick SC**, Patterson BJ, Kader MS, Rashid S, Buck PO, Rothholz, MC. National survey of pharmacy-based immunization services. Poster Presentation at the American Pharmacists Association (APhA) annual meeting, Nashville, TN, March 2018.
51. Hastings T, Hohmann L, **Westrick S**. Implementation of educational and referral programs in community pharmacies to assist Medicare beneficiaries with limited income. The American Pharmacists Association (APhA) annual meeting, Nashville, TN, March 2018.
52. Hohmann L, Hastings TJ, Garza KB, Huston S, Ha D, **Westrick S**. Impact of a multicomponent immunization intervention on pneumococcal and herpes zoster vaccinations: a randomized controlled trial of community pharmacies in 2 states. The American Pharmacists Association (APhA) annual meeting, Nashville, TN, March 2018.
53. Carpenter DM, Roberts CA, **Westrick SC**, Ferreri SP, Kennelty KA, Look KA, Abraham O, Wilson C. A review of naloxone continuing education courses. The American Pharmacists Association (APhA) annual meeting, Nashville, TN, March 2018.
54. Hastings TJ, Hansen RA, Garza K, Qian J, **Westrick S**. Completeness of immunization information system vaccine information: A systematic review. Podium presentation at the ISPOR Annual International Meeting, Boston MA, May 2017.
55. Hastings TJ, Hohmann LA, McFarland S, Garza K, Ha D, Huston S, **Westrick SC**. Integration of multi-disciplinary concepts to enhance non-seasonal vaccinations: We Immunize Training Program. Poster

- presentation at the American Association of Colleges of Pharmacy Annual Meeting, Nashville, TN. July 2017.
56. Hohmann L, Hastings TJ, McFarland S, **Westrick S**. A theoretical analysis of community pharmacists' motivations for participating in Certified Aging Resource Educated Specialist (C.A.R.E.S.) training. The American Pharmacists Association (APhA) annual meeting, San Francisco, CA, March 2017.
  57. Hastings TJ, McFarland S, Hohmann L, Garza K, Huston S, Ha D, **Westrick S**. Recruiting community pharmacies in intervention research: participation decisions and lessons learned. The APhA annual meeting, San Francisco, CA, March 2017.
  58. Hastings TJ, Hohmann L, McFarland S, Teeter B, **Westrick S**. Pharmacy-based Human Papillomavirus (HPV) Vaccination Services: Perceptions, Barriers, and Current Services Provided by Alabama Pharmacists. National Immunization Conference, Atlanta, GA, September 2016.
  59. Hohmann L, McFarland S, Hastings T, **Westrick SC**. Parental Acceptance of Influenza and Human Papillomavirus Vaccinations in Community Pharmacies: A Qualitative Interview Study. The APhA annual meeting, Baltimore, MD, March 2016.
  60. Hastings T, McFarland S, Hohmann L, **Westrick SC**. Assisting Medicare Beneficiaries with Limited Income: Frequency of Encounters, Actions, and Knowledge of Alabama Pharmacists. The APhA annual meeting, Baltimore, MD, March 2016.
  61. Iyer, R, Barker KN, **Westrick SC**, Helms KL. The Effect of Illumination on Medication Preparation Errors in a Long Term Care Facility. The APhA annual meeting, San Diego, CA, March 2015.
  62. Teeter BS, McFarland SJ, **Westrick SC**. Perceptions of and barriers to pharmacy-based Human Papillomavirus vaccination provision: A comparison between extensive providers, minimal providers, and non-providers of vaccine. The APhA annual meeting, San Diego, CA, March 2015.
  63. **Westrick SC**, Williamson MA, Stevenson TL, Evans RL. Implementation and Evaluation of Community-based Pharmacy Practice Experience Program in Alabama, USA. International Pharmaceutical Federation World Congress, Bangkok Thailand, September 2014.
  64. **Westrick SC**. Enhancing student outcomes through service learning. Teachers Seminar Platform Session, International Social Pharmacy Workshop, Boston MA, August 2014.
  65. **Westrick SC**, Hollingsworth J. Using Medicare Outreach Activity to Facilitate Learning in Pharmacy Education. The American Association of Colleges of Pharmacy (AACP) annual meeting, Grapevine TX, July 2014.
  66. Garza KB, Savoie M, Zeek M, Teeter BS, Williamson MM, Stevenson TL, **Westrick SC**. Student and Preceptor Perceptions of a Vaccination Education Service Learning Activity. The AACP annual meeting, Grapevine, TX, July 2014.
  67. **Westrick SC**. Medicare Outreach Program: Engaging Pharmacy Students Through Service Learning. U.S. Thai Pharmacy Consortium, Baltimore MD, May 2014.
  68. Teeter BS, **Westrick SC**, Garza KB, Stevenson TL, Williamson MA. Factors Associated with Vaccination Status and Likelihood to Accept Vaccine Recommendation on Zoster Vaccine in Community Pharmacies. The APhA annual meeting, Orlando FL, March 2014.
  69. Stevenson TL, Schuessler J, Sanderson B, **Westrick SC**. Integration of Interprofessional Education Activities within Existing Pharmacy and Nursing Courses. The AACP annual meeting, Chicago, IL. July 2013.
  70. **Westrick SC**, Stevenson TL, Garza KB, Teeter BS. Providing Salt Education to Hypertensive Patients Through an Introductory Pharmacy Practice Experience in Community Pharmacy. The AACP annual meeting, Chicago, IL. July 2013.
  71. Teeter BS, **Westrick SC**. Adoption and Implementation of the Health Watch Screening Service in Community Pharmacies: A Qualitative Study. The APhA annual meeting, Los Angeles CA, March 2013.
  72. Breland ML, **Westrick SC**, Kavookjian J, Berger BA, Shannon DM, Lorenz R. Exploration of community pharmacists' self-reported antidepressant medication counseling behaviors. The AACP annual meeting, Kissimmee, FL, July 2012.
  73. Lorenz RA, Morgan M, Norton L, **Westrick SC**. Influenza vaccine perceptions in patients with mental illness. College of Psychiatric and Neurologic Pharmacists, Tampa, FL, May 2012.
  74. Teeter BS, **Westrick SC**. Assessment of Adherence to Antihypertensive Medications and Lifestyle Issues through the Introductory Pharmacy Practice Experiences (IPPE) Program. The APhA annual meeting, New Orleans, LA, March 2012.
  75. **Westrick SC**, Kamal KM, Moczygamba LR, Breland ML, Heaton PC. Characteristics of Social and Administrative Sciences Graduate Programs and Strategies for Student Recruitment and Future Faculty

- Development in United States. The APhA annual meeting, New Orleans, LA, March 2012.
76. Wittayanukorn S, **Westrick SC**. Evaluation of Medication Therapy Management (MTM) Services for Patients with Cardiovascular Disease. The APhA annual meeting, New Orleans, LA, March 2012.
  77. **Westrick SC**, Jungnickel PW, Stevenson TL. Using Service Learning to Enhance Teaching and Learning. U.S. Thai Pharmacy Consortium, Phuket, Thailand, June 2011.
  78. McDonough SK, **Westrick SC**, Helms KL, Breland ML. Student absenteeism: a study of large lecture classes in pharmacy education. The 2009 AACP annual meeting, Boston MA, July 2009.
  79. Whitley HP, Stevenson L, Johnson J, **Westrick SC**. Implementation and assessment of patient cases to designed to educate students about medication assistance options. The 2009 AACP annual meeting, Boston MA, July 2009.
  80. **Westrick SC**, Watcharadamrongkun S, Mount JK, Breland ML. Community pharmacy involvement in vaccine distribution and administration. The 2009 APhA annual meeting, San Antonio TX, April 2009.
  81. Watcharadamrongkun S, **Westrick SC**, Mount J. Effects of pharmacy school affiliation on pharmacy involvement in public health activities: a 17-state study. The 2009 APhA annual meeting, San Antonio TX, April 2009.
  82. Hung S, Kim M, Watcharadamrongkun S, **Westrick SC**. Mount JK. Pharmacist participation in emergency preparedness: testing the diffusion of innovation model. The 2009 APhA annual meeting, San Antonio TX, April 2009.
  83. **Westrick SC**. Adoption and Sustainability of In-house Immunization Services. The 2008 APhA annual meeting, San Diego CA. March 2008.
  84. Hung S, Watcharadamrongkun S, Kim M, **Westrick SC**, Mount, JK. Increased involvement of community pharmacies in immunization promotion and vaccine distribution. The 2008 APhA annual meeting, San Diego CA, March 2008.
  85. Watcharadamrongkun, S, **Westrick, SC**, Mount, JK. Distribution and administration of vaccine in community pharmacies: a 17-state study. The 2008 NIC, Atlanta GA, March 2008.
  86. Watcharadamrongkun S, **Westrick SC**, Mount JK. Pharmacy factors affect success of pharmacy-based influenza immunization programs. The 2008 NIC, Atlanta GA, March 2008.
  87. Hung S, Watcharadamrongkun S, Kim M, Chia-Hung C, **Westrick SC**, Mount JK. State law affects how perceived external support influences pharmacy-based immunization delivery. The 2008 NIC, Atlanta GA, March 2008.
  88. Mount JK, Watcharadamrongkun S, Hung S, Kim M, **Westrick SC**. Impact of pharmacy characteristics on in-house pharmacy-based immunization delivery. The 2007 APhA annual meeting, Atlanta GA, March 2007.
  89. Kim M, Mount JK, **Westrick SC**. Community pharmacists' participation in emergency preparedness and response activities and their perceived support from other groups. The 2007 APhA annual meeting, Atlanta GA, March 2007.
  90. **Westrick SC**, Mount JK. Effects of repeated callbacks on response rate and nonresponse bias: results from a 17-state pharmacy survey. The 2007 APhA annual meeting, Atlanta GA, March 2007.
  91. Hung S, Watcharadamrongkun S, **Westrick SC**, Mount JK. Pharmacy participation in immunization delivery: the effects of perceived external support. The 2007 APhA annual meeting, Atlanta GA, March 2007.
  92. Oikarinen L, Capper A, Carrico N, Hayney MS, Foster SL, **Westrick SC**, Mount JK. Pharmacy-based immunizations in three states: activity and perceived barriers. The 2007 APhA annual meeting, Atlanta GA, March 2007.
  93. Mount JK, **Westrick SC**, Watcharadamrongkun S. Community pharmacy readiness to provide in-house immunization delivery services. The 2007 NIC, Kansas City MO, March 2007.
  94. Hung S, Watcharadamrongkun S, Kim M, **Westrick SC**, Mount JK. Involvement of community pharmacies in immunization promotion and vaccine distribution. The 2007 NIC, Kansas City MO, March 2007.
  95. Mount JK, Watcharadamrongkun S, **Westrick SC**. Impact of pharmacy characteristics on in-house pharmacy-based immunization delivery. The 2007 NIC, Kansas City MO, March 2007.
  96. Kim M, Mount JK, **Westrick SC**. Pharmacist provision of immunizations in 2006: Analysis of state laws in the United States. The 2007 NIC, Kansas City MO, March 2007.
  97. Oikarinen L, Capper A, Carrico N, Hayney MS, Foster SL, **Westrick SC**, Mount JK. Pharmacy-based immunizations in three states: Activity and perceived barriers. The 2007 NIC, Kansas City, MO.
  98. Hayney MS, Foster SL, **Westrick SC**, Mount JK. Pharmacy willingness to participate in the study of

- pharmacy-based immunization services. The 2007 NIC, Kansas City MO, March 2007.
99. Mount JK, Kim M, **Westrick SC**, Watcharadamrongkun S. Community pharmacy participation in health emergency preparedness. The 2006 American Public Health Association annual meeting, Boston MA, November 2006.
  100. Mount JK, Kim M, Watcharadamrongkun S, **Westrick SC**. Is affiliation with a pharmacy school related to a community pharmacy's public health involvements?" The 2006 AACP annual meeting, San Diego CA, July 2006.
  101. **Westrick SC**, Mount JK. Sitting on the fence: predicting forward and backward movements in pharmacy-based immunization services. The 2006 APhA annual meeting, San Francisco, CA, March 2006.
  102. Mount JK, **Westrick SC**. The role of pharmacists in immunization. The 2006 NIC, Atlanta GA, March 2006.
  103. **Westrick SC**, Mount JK. Pharmacy-based vaccination services: a comparison between outsourced and in-house services. The 2006 NIC, Atlanta, GA, March 2006.
  104. **Westrick SC**, Mount JK. Experiences, perceptions, and expectations of pharmacy students in immunization delivery services. The 2005 American Association of Colleges of Pharmacy (AACP) annual meeting, Cincinnati OH, July 2005.
  105. Mount JK, Slez J, Jacobs J, **Chamnanmoh S**. Action or reaction: roles of pharmacy board in promoting immunization. The 2005 APhA annual meeting, Orlando FL, April 2005.
  106. **Chamnanmoh S**, Mount JK, Stamos E, Ofor C. Pharmacist provision of immunizations: analysis of state laws in the United States. The 2004 International Social Pharmacy Workshop, Malta, July 2004.
  107. Ofor C, **Chamnanmoh S**, Mount JK. State pharmacy association support for pharmacists' public health activities: assessing internet-based resources The 2004 International Social Pharmacy Workshop, Malta, July 2004.
  108. **Chamnanmoh S**, Mount JK. Getting pharmacists to respond: a comparison between mail and telephone surveys. The 2004 APhA annual meeting, Seattle WA, 2004.
  109. **Chamnanmoh S**, Mount, JK, Rochon J. Pharmacy-based immunization programs in Washington State. The 2004 APhA annual meeting, Seattle WA, March 2004.
  110. **Chamnanmoh S**, Mount JK. Pharmacist provision of immunizations: analysis of state laws and regulations in 7 upper Midwestern states. The 2004 APhA annual meeting, Seattle WA, March 2004.
  111. **Chamnanmoh S**, Mount JK. Adoption of pharmaceutical care in community practice: a multilevel framework of determinants and opportunities for future research. The 2003 APhA annual meeting, New Orleans LA, March 2003.

#### **Peer-Reviewed Papers Presented at Regional and Local Professional Meetings**

1. Drummond DB, Gamston CE, Kirby AN, **Westrick SC**, Lloyd KB. Evaluation of pharmacy student knowledge of and comfort with talking to patients about drug-nutrient interactions, pre-and post-interdisciplinary education. Resident podium presentation at: Southeastern Residency Conference., April 2019, Athens, GA.
2. Hohmann L, Hastings T, Qian J, Curran G, **Westrick S**. Medicare Annual Wellness Visits: A Scoping Review of Current Practice Models and Opportunities for Pharmacists. Poster Presentation at Southern Pharmacy Administration Conference, Auburn, AL, June 2018.
3. Hastings TJ, Fox BI, **Westrick S**. Pharmacy Students' Awareness of an Attitudes Toward Immunization Information Systems. Southern Pharmacy Administration Conference, Oxford, MS, June 2016.
4. Zeek ML, Savoie MJ, Song M, Kennamur LM, Jungnickel PW, Qian JJ, **Westrick SC**. Optimal Sleep Pattern for Academic Success Among Student Pharmacists. Alabama Public Health Association Educational Conference, Birmingham AL, April 2014.
5. Wittayanukorn S, **Westrick SC**. Evaluation of Medication Therapy Management (MTM) Services for Patients with Cardiovascular Disease. Southern Pharmacy Administration Conference, Austin TX, June 2012.
6. Teeter BS, **Westrick SC**. Adoption and Implementation of the Health Watch Screening Program in Community Pharmacies. Southern Pharmacy Administration Conference, Austin TX, June 2012.
7. Watcharadamrongkun S, Mount JK, **Westrick SC**, Breland ML. Community pharmacy involvement in vaccine distribution and administration: specific vaccines indicate divergent pharmacy roles in vaccination services. The 2008 Midwest Social and Administrative Pharmacy Conference, Chicago IL. July 2008.

8. Carrico N, Oikarinen L, Capper A, Hayney MS, Foster SL, **Westrick SC**, Mount JK. Pharmacy-based immunizations in two Wisconsin counties: activity and perceived barriers. The 2006 Pharmacy Society of Wisconsin annual meeting. WI. September 2006.
9. **Chamnanmoh S**, Mount, JK, Rochon J. Pharmacy-based immunization programs in Washington State. The Washington State Public Health Association 10th Annual Joint Conference on Health, Yakima WA, October 2003.
10. **Chamnanmoh S**, Mount JK. Pharmacist provision of immunizations: analysis of state laws and regulations in 7 upper Midwestern states. The 2004 Wisconsin Public Health and Health Policy Institute Bi-Annual Conference, Madison WI, October 2003.

### Other Publications/Reports

1. **Westrick SC**. Don't forget to add 2009 Medicare Part D plan to your holiday shopping list. A newspaper article submitted to Auburn University Communications and Marketing for Press Release, December 2008.
2. **Westrick SC**, Felkey BG. Pharmacy benefits management: what do employers need to know. A document submitted to Alabama Pharmacy Association, March 2007.
3. **Westrick SC**, Mount JK, Bonnarens JK, Finster MP, Mott DA, Suchman MC, Svarstad BL. Adoption of Immunization Delivery Services in Community Pharmacies. Final report submitted to Agency for Healthcare Research and Quality. January 2005.

### Continuing Education Programs/Publications\*

1. **Westrick SC**. What you need to know about vaccinations: From a pharmacist. Middle Alabama Area Agency on Aging. October 19, 2021. Virtual CE Presentation. 1.5 CEU offered to nurses, social workers, and OT/PT.
2. **Westrick SC**. Assisting Medicare patients with limited income. Jefferson County Pharmaceutical Association. December 10, 2020.
3. **Westrick SC**. Managing your medication. Middle Alabama Area Agency on Aging. August 19, 2020 (Virtual CE Presentation). 1.5 CEU offered to nurses, social workers, OT/PT, nursing home administrators, EMS
4. Hastings TJ, Ha D, **Westrick SC**. Improving Immunization Information System Implementation in Community Pharmacies. 2019 (Paper).
5. Hastings TJ, Hohmann LA, Neal, J, Waters J, **Westrick SC**. Assistance Programs Available for Older Adults. 2019 (Paper)
6. **Westrick SC**. Assisting Medicare patients with limited income. Auburn University Harrison School of Pharmacy. March 30, 2019. Auburn, AL.
7. **Westrick SC**. Assisting Medicare patients with limited income. Alabama Pharmacy Association Annual Meeting. June 11, 2019. Destin, FL.
8. **Westrick SC**. The Certified Aging Resource Educated Specialist (C.A.R.E.S.) Program: Connecting Medicare Patients with Community Resources in Alabama. Roundtable Presentation at the 2018 American Association of Colleges of Pharmacy (AACP) annual meeting, Boston, July 2018.
9. Hastings TJ, Hohmann LA, Neal, J, **Westrick SC**. The Basics of Medicare for Pharmacy Personnel. 2018 (paper).
10. **Westrick SC**, Hastings TJ, Hohmann LA, Neal J. Pharmacists' role in assisting Medicare patients with limited income. Continuing Education. Auburn University, 2017 (paper).
11. Wright B, **Westrick SC**, Hansen RA, Qian J. From the Classroom to Practice: An Integrated Research Elective Experience. The 2016 American Association of Colleges of Pharmacy (AACP) annual meeting, July 2016.
12. **Westrick SC**. Garza K, Huston S, Ha D, Foster S. We Immunize Program. Online Continuing Education. Auburn University, 2016.
13. **Westrick SC**. Certified Aging Resource Educated Specialist (C.A.R.E.S) program. Online Continuing Education. Auburn University, 2015-2017.
14. **Westrick SC**. Promoting access to community resources for Medicare Patients. Alabama Pharmacy Association Meeting. Destin, FL, June 2015.



15. **Westrick SC**. Hollingsworth JC. Using Medicare Outreach Activity to Facilitate Learning in Pharmacy Education. American Association of Colleges of Pharmacy. Grapevine, TX, July 2014.
16. **Westrick SC**, Westrick MA, Fox JR, Pierce R. Flipping pharmacy classroom: we've done it and you can too. American Association of Colleges of Pharmacy (AACP) Annual meeting, Chicago, IL, July 2013.
17. **Westrick SC**. Implementation of immunization services in your pharmacy. University of Georgia Continuing Education Program, Atlanta GA, December 2010.
18. \*Breland, ML, **Westrick SC**. Building sustainability and effectiveness of pharmacy-based patient care services. America's Pharmacist. 2010. August 41-50
19. **Westrick SC**, Stratton T. Using Active Learning to Develop Critical Thinking Skills. The 2009 American Association of Colleges of Pharmacy (AACP) annual meeting, Boston MA, July 2009.
20. **Westrick SC**. Evaluation of innovative patient care services: a practical approach. The 2009 Harrison School of Pharmacy Summer Continuing Education Program, Auburn AL, June 2009.
21. **Westrick SC**. Providing successful and sustainable immunization delivery services in community pharmacies. The 2008 Harrison School of Pharmacy Fall Continuing Education Program, Auburn AL, November 2008.
22. \***Westrick SC**. Providing successful immunization delivery services in community pharmacy. America's Pharmacist. 2008;130(11):38-49.

## VI. RESEARCH FUNDING

1. **Title:** **Enhancing Implementation of Immunization Practice Standards Among Independently Owned Community Pharmacies**  
**Source:** Centers for Disease Control and Prevention 1 NH23IP922573-01-00  
**Amount:** \$998,162  
**Role:** **Westrick SC (PI)**  
**Date:** October 2018 – September 2023
2. **Title:** **Improving Immunization Information System Implementation in Community Pharmacies**  
**Source:** NIH/ NIAID 1R21AI159590-01A1  
**Investigator:** Hastings (PI); Westrick (subcontract PI)  
**Amount:** \$421,233 (Total); \$33,998 (AU Sub-contract)  
**Date:** April 2022 – March 2024
3. **Title:** **Alabama Community-Engagement Research Alliance Against COVID-19 in Disproportionately Affected Communities (Alabama CEAL)**  
**Source:** NIH/NHLBI, OT2HL156812  
**Amount:** \$91,657 (Subcontract)  
**Investigator:** M. Fouad (PI), Durham (Subcontract PI), **Westrick (co-I)**  
**Date:** November 1, 2021 – March 31, 2023
4. **Title:** **A Shot for Alabama (ASFA)**  
**Source:** Alabama Department of Public Health  
**Amount:** \$750,000  
**Investigator:** Braxton (PI); **Westrick SC (co-I)**  
**Date:** July 2021 – June 2023
5. **Title:** **Assessment of a Pharmacist-led interprofessional transitions of care program targeting patients with multiple recent hospital admissions: the ICARE Program**  
**Source:** US FDA 75F40121C00022  
**Amount:** \$683,910  
**Investigator:** Gamston (PI); **Westrick SC (co-I)**  
**Date:** August 2021 – November 2023

6. **Title:** **Promoting Access to Community Resources for Medicare Population**  
Source: Alabama Department of Senior Services  
Amount: \$60,000  
Investigator: **Westrick SC (PI)**  
Date: September 2022 – August 2023
  
7. **Title:** **Senior Medicare Patrol Program**  
Source: Alabama Department of Senior Services  
Amount: \$10,000  
Investigator: **Westrick SC (PI)**  
Date: June 2022 – May 2023
  
8. **Title:** **The Alabama Cardiovascular Cooperative: Supporting Cardiovascular Risk Reduction in Primary Care**  
Source: NIH, 1U18HS027946-01  
Amount: \$84,718  
Investigator: Cherrington (PI, UAB); Westrick (Subcontract PI)  
Date: January 2022 – December 2023
  
9. **Title:** **Promoting Access to Community Resources for Medicare Population**  
Source: Alabama Department of Senior Services  
Amount: \$60,000  
Investigator: **Westrick SC (PI)**  
Date: September 2021 – August 2022
  
10. **Title:** **Senior Medicare Patrol Program**  
Source: Alabama Department of Senior Services  
Amount: \$10,000  
Investigator: **Westrick SC (PI)**  
Date: June 2021 – May 2022
  
11. **Title:** **Alabama Community-Engagement Research Alliance Against COVID-19 in Disproportionately Affected Communities (Alabama CEAL)**  
Source: NIH/NHLBI, 11-312-0217571-66909  
Amount: \$45,000 (Subcontract)  
Investigator: M. Fouad (PI), **Westrick (co-I)**  
Date: November 1, 2020 – October, 2021
  
12. **Title:** **Senior Medicare Patrol Program**  
Source: Alabama Department of Senior Services  
Amount: \$10,000  
Investigator: **Westrick SC (PI)**  
Date: June 2020 – May 2021
  
13. **Title:** **Promoting Access to Community Resources for Medicare Population**  
Source: Alabama Department of Senior Services  
Amount: \$60,000  
Investigator: **Westrick SC (PI)**  
Date: September 2020 – August 2021
  
14. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**  
Source: Alabama Department of Senior Services  
Amount: \$12,000  
Investigator: Hohmann (PI), **Westrick (co-I)**  
Date: April 2020 – March 2021

15. **Title:** **Alabama Opioid Training Institute**  
Source: Alabama Department of Mental Health & Mental Retardation  
Amount: \$1,484,242  
Role: **Westrick (co-I)**, Fox (PI), Phillippe (PI), Marlowe (PI)  
Date: March 2019 – September 2019
16. **Title:** **Addressing the opioid epidemic through community pharmacy engagement: a multi-state study**  
Source: National Institute on Drug Abuse R34DA046598  
Amount: \$63,319 Auburn subcontract  
Role: **Westrick (co-I)**; Carpenter D (PI)  
Date: July 2019 – June 2021
17. **Title:** **Creating the first multi-state rural community pharmacy research network: RURAL CP**  
Source: University of North Carolina Eshelman School of Pharmacy  
Amount: \$23,820 Auburn subcontract  
Role: **Westrick (co-I)**; Carpenter (PI)  
Date: June 2019 – May 2021
18. **Title:** **Senior Medicare Patrol Program**  
Source: Alabama Department of Senior Services  
Amount: \$10,000  
Investigator: **Westrick SC (PI)**  
Date: August 2019 – May 2020
19. **Title:** **Promoting Access to Community Resources for Medicare Population**  
Source: Alabama Department of Senior Services  
Amount: \$60,000  
Investigator: **Westrick SC (PI)**  
Date: October 2019 – September 2020
20. **Title:** **Designing an Intelligent Decision Assistant for E-Healthcare Decision Tools for Older Adults: Application for Medicare Plan Finder**  
Source: The Office of the Vice President for Research, Auburn University  
Amount: \$25,000  
Role: **Westrick (co-PI)**, Kwon (co-PI)  
Date: May 2019 – April 2021
21. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**  
Source: Alabama Department of Senior Services  
Amount: \$12,000  
Investigator: **Westrick SC (PI)**, Hohmann (co-PI)  
Date: April 2019 – March 2020
22. **Title:** **Preventing opioid overdose deaths by empowering pharmacists to dispense naloxone**  
Source: Agency for Healthcare Research and Quality, 1R36HS026669-01A1  
Amount: \$39,967  
Investigator: Hohmann (PI), **Westrick (Advisor)**  
Date: July 2019 – June 2020
23. **Title:** **Assessing Barriers and Increasing Use of Immunization Registries in Pharmacies: A Randomized Controlled Trial - Dissertation**  
Source: Agency for Healthcare Research and Quality, 1R36HS026093-01A1

Amount: \$42,424  
Investigator: Hastings (PI), **Westrick (Advisor)**  
Date: September 2018 – September 2019

24. **Title:** **Assessing Barriers and Increasing Use of Immunization Registries in Pharmacies: A Randomized Controlled Trial - Dissertation**

Source: PhRMA  
Amount: \$37,500  
Investigator: Hastings (PI), **Westrick (Advisor)**  
Date: July 2018 – September 2018

(Withdrawn due to receiving AHRQ Dissertation Funding)

25. **Title:** **Promoting Access to Community Resources for Medicare Population**

Source: Alabama Department of Senior Services  
Amount: \$60,000  
Investigator: **Westrick SC (PI)**  
Date: October 2018 – September 2019

26. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**

Source: Alabama Department of Senior Services  
Amount: \$10,000  
Investigator: **Westrick SC (PI)**  
Date: April 2018 – March 2019

27. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**

Source: Alabama Department of Senior Services  
Amount: \$12,000  
Investigator: **Westrick SC (PI)**  
Date: May 2017 – March 2018

28. **Title:** **Pharmacists' Role in Improving Adult Vaccination Rates**

Source: American Pharmacists Association  
Amount: \$103,805  
Investigator: **Westrick SC (PI)**  
Date: August 2016 – November 2017

29. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**

Source: Alabama Department of Senior Services  
Amount: \$10,000  
Investigator: **Westrick SC (PI)**  
Date: May 2016 – March 2017

30. **Title:** **Impact of a multicomponent immunization intervention on pneumococcal and herpes zoster vaccinations: A randomized controlled trial of community pharmacies in 2 states**

Source: Merck Investigator Studies Program  
Amount: \$199,999  
Investigator: **Westrick SC (PI)**, Garza K (Co-I), Huston S (Co-I), Ha D (Co-I)  
Date: September 2015 – August 2017

31. **Title:** **Promoting Access to Community Resources for Medicare Population**

Source: Alabama Department of Senior Services  
Amount: \$297,070  
Investigator: **Westrick SC (PI)**  
Date: February 2015 – September 2018

29. **Title:** **Reach Out to Assist Medicare Beneficiaries**  
**Source:** Auburn University Outreach Competitive Scholarships  
**Amount:** \$21,218  
**Investigator:** **Westrick SC (PI)**  
**Date:** April 2015 – May 2016
30. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**  
**Source:** Alabama Department of Senior Services  
**Amount:** \$10,000  
**Investigator:** **Westrick SC (PI)**  
**Date:** May 2015 – March 2016
31. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**  
**Source:** Alabama Department of Senior Services  
**Amount:** \$7,500  
**Investigator:** **Westrick SC (PI)**  
**Date:** October 2014 – January 2015
32. **Title:** **Impact of the Teach Flu a Lesson Program in Alabama**  
**Source:** Auburn University  
**Amount:** \$ 10,000  
**Investigator:** **Westrick SC (PI)**  
**Date:** August 2013 – 2014
33. **Title:** **Pharmacist as a Provider of Human Papillomavirus Vaccination Service**  
**Source:** Auburn University Research Initiative in Cancer  
**Amount:** \$20,000  
**Investigator:** **Westrick SC (PI)**  
**Date:** May 2013 – April 2014
34. **Title:** **Medicare Part D Plan Selection Assistance for Seniors in Alabama**  
**Source:** Auburn University Outreach Competitive Scholarships  
**Amount:** \$21,490  
**Investigator:** **Westrick SC (PI)**  
**Date:** May 2013 – April 2014
35. **Title:** **Law and Payment Structures of Pharmacist Provision to Immunizations**  
**Source:** Harrison School of Pharmacy (Internal Grant)  
**Amount:** \$6,000  
**Investigator:** **Westrick SC (PI)**  
**Date:** 2010
36. **Title:** **Pro-active Pharmacy-based Vaccination Study: A Multi-State Intervention**  
**Source:** Centers for Disease Control and Prevention, 1 U01 IP000060-01  
**Amount:** Project \$118,988 year 1, \$253,678 year 2  
(Subcontract \$17,460 year 1, \$30,678 year 2)  
**Investigators:** Mount JK, **Westrick SC (Subcontract-PI)**, Hayney M, Foster S.  
**Date:** 2006-2008
37. **Title:** **Sustainability and Abandonment of Immunization Delivery Services**  
**Source:** American Association of Colleges of Pharmacy  
**Amount:** \$9,987  
**Investigator:** **Westrick SC (PI)**  
**Date:** January 2006 – August 2007
38. **Title:** **Study of Alabama Mental Health Pharmacy Services**

Source: Alabama Department of Mental Health and Mental Retardation  
Amount: \$179,411  
Investigators: Barker K, Flynn B, **Westrick SC (Co-investigator)**, Jerry Davis  
Date: June 01, 2005 – May 31, 2006

39. **Title:** **Adoption of Immunization Delivery Services in Community Pharmacies**  
**Source:** Agency for Healthcare Research and Quality, 1 R36 HS014512-01  
**Amount:** \$29,141  
**Investigator:** **Chamnanmoh S (PI)**  
**Date:** 2004

40. **Title:** **Adoption of Immunization Delivery Services in Community Pharmacies**  
**Source:** Sonderegger Research Center, University of Wisconsin-Madison  
**Amount:** \$3,000  
**Investigator:** **Chamnanmoh S (PI)**  
**Date:** 2003 – 2004

## VII. TEACHING

### Teaching Responsibilities

Teaching responsibilities include the training and supervision of graduate teaching assistants.

**PYPD 9370: Longitudinal Learning Experience VI (2020 – Present) – 3 credit hour**  
Required course for PharmD students. Served as an instructor. This course allows students to review existing peer-reviewed literature and apply them into a new pharmacy practice context.

**PYPD 9360: Longitudinal Learning Experience V (2019 – Present) – 3 credit hour**  
Required course for PharmD students. Served as an instructor. This course provides an overview of personnel management, inventory management and business planning.

**PYPD 9340: Longitudinal Learning Experience III (2018 – Present) – 3 credit hour**  
Required course for PharmD students. Served as an instructor. This course provides an overview innovative services and reimbursement methods.

**PYPD 9320: Longitudinal Learning Experience I (2017 – Present) – 3 credit hour**  
Required course for PharmD students. Served as an instructor. This course provides an overview of the U.S. healthcare system.

**PYPD 9330: Longitudinal Learning Experience II (2018) – 3 credit hour**  
Required course for PharmD students. Served as an instructor. This course provides an overview of the public health functions and the roles of pharmacists.

**HORP 7820: Research Methods in Health Sciences I (2012 – Present) – 2 credit hour** required graduate course and elective course for PharmD students. Served as coordinator and instructor. The course is designed to provide a comprehensive introduction to the primary research methods used in clinical and health services research.

**HORP 7510: Health Services Delivery and Evaluation (2011 – 2015; 2019).** 3 credit hour graduate course. Offered one in every two years. This course provides an introduction to basic methods and frameworks for undertaking research and program evaluation within health services organizations and systems.

**HORP 7520: Introduction to Social and Behavioral Theory in Health (2012 – Present)** – 3 credit hour. Required course for graduate students. Served as an instructor. This course provides an overview of theories in social and behavioral research.

**PYDI 9210: Pharmacy Practice Management, Development, and Evaluation I (2006 – 2017)** - 3 credit hour required professional course, average enrollment 140-150 second-year pharmacy students. Served as course coordinator and instructor. This course focused on the health care system and operations management.

**PYDI 9310: Pharmacy Practice Management, Development, and Evaluation II (2006 – 2018)** - 3 credit hour required professional course, average enrollment 140-150 second year pharmacy students. Served as instructor for a topic in change management. This course focused on marketing, human resource management, finance and accounting and informatics.

**PYDI: Pharmacy Practice Experiences I-IV (2004 – Present)** – 1 credit hour required professional course, average enrollment 15 students per team. Served as faculty mentor. Worked in collaboration with a clinical faculty member and discussed patient cases with students in the team.

**PYPC 7900: Special Problems-Organizational Theories as applied to Pharmacy and Healthcare Organizations (2006 - Present)** – 3 credit hour graduate course. Offered on case-by-case basis. This course focused on innovation adoption and organizational theories.

**PYPC 7870: Social, Behavioral and Administrative Aspects of Pharmacy Practice (2009 - 2011)** – 3 credit hour required graduate course, average enrollment 5-7 students. Served as course coordinator and instructor. This course provided an overview of research in social, behavioral and administrative pharmacy.

**PYPC 7830: Research Methods in Health Sciences II (2007 - 2011)** – 3 credit hour required graduate course, average enrollment 5-7 students. Served as instructor for this course for topics in survey methods and research in complex organizations.

**PYPC 5240: Pharmacy Care Systems III (Fall 2005)** – 2 credit hour required professional course, average enrollment 120 students. Served as course coordinator and instructor. This course focused on pharmacoeconomic and the health care system.

**PYPC 5140: Pharmacy Care Systems II (Spring 2005)** - 3 credit hour required professional course, average enrollment 120 students. Served as instructor for this course with Professor Bill Felkey who was the Course coordinator. The course focused on operations management, human resource management, informatics, and marketing.

#### Graduate Student Supervision

2009 – Present                      Level 2 Graduate Faculty was awarded  
2004 – 2009                        Level 1 Graduate Faculty was awarded

#### **In Progress**

2021 – Present                      Xiangzhong Xie  
Role: Committee Member

2021 – Present                      Robert Alongi  
Role: Committee Member

2020 – Present                      Kaniz Tanni  
Role: Committee Member



2020 – Present  
Chenyu Zoe  
Role: Committee Member

2018 – Present  
Yi Zhao, MPH  
Role: Advisor

2017 - Present  
Brandy Davis, PharmD  
Role: Committee Member

### **Completed**

2022  
Shahidul Kader, MS, PhD (Consumer and Design Sciences)  
First position: User Experience Researcher at Meta  
Role: Committee Member

2022  
Shahariar Fahim  
First position: the Institute of Clinical and Economic Review (ICER)  
Role: Advisor

2021  
Sura AlMahasis, PharmD, MS  
First position: PhD graduate student at University of Wisconsin-Madison  
Role: Advisor

2021  
Bidur Bajara, MS  
First position: Research Associate - Real World Evidence at Cytel  
Role: Committee Member

2021  
Ahmed Mishuk, PhD  
First position: Research Associate III, Evidera  
Role: Committee Member

2019  
Tessa Hastings, PhD  
First position: Assistant Professor, University of South Carolina, College of Pharmacy  
Role: Advisor

2019  
Lindsey Hohmann, PharmD, PhD  
First position: Assistant Professor, Department of Pharmacy Practice, Auburn University  
Role: Advisor

2019  
Natalie Hohmann, PharmD, PhD  
First position: Assistant Professor, Department of Pharmacy Practice, Auburn University  
Role: Committee Member

2018  
Heba Aref, MS  
First position: PhD student, University of Alberta, Canada  
Role: Committee Member

2016  
Joshua Hollingsworth, Ph.D.  
First Position: Assistant Professor, Edward Via College of Osteopathic Medicine  
Role: Committee Member

2015  
Thanasak Lertpichitkul, M.S.

	Current Position: Pharmacist, Thai F.D.A Role: Committee Member
2015	Benjamin Teeter, Ph.D. First Position: Assistant Professor, University of Arkansas for Medical Sciences Role: Dissertation and Thesis Advisor
2015	Saranrat Wittayanukorn. Ph.D. First Position: ORISE fellowship position at Office of Generic Drugs, FDA Role: Committee Member
2012	Saranrat Wittayanukorn. M.S. First Position: ORISE fellowship position at Office of Generic Drugs, FDA Role: M.S. Thesis Advisor (Auburn University's Master's Thesis Award)
2011	Qian Ding. Ph.D. Current Position: Assistant Professor, Ferris State University Role: Committee Member
2011	Ranjani Varadarajan. Ph.D. Current Position: Assistant Professor, Shenandoah University Role: Committee Member
2011	Michelle Breland. Ph.D. First Position: Faculty member, School of Pharmacy, University of Connecticut Role: Co-Advisor
2009	Linda Byrd. Ph.D. First Position: Faculty member, Nursing School, Auburn University. Role: Committee Member.
2009	Thomas Wesley Wilkerson. M.S. First Position: Pharmacy Informatics Coordinator, St. Francis Hospital, Inc, Columbus, GA. Role: Co-Advisor.
2006	Marc Young. M.S. First Position: Pharmacist in the U.S. Navy. Role: Committee Member.

#### **Invited Lectures**

1. DEI in workplace. PLS, KP and AMPC Annual Leadership Summit. Auburn University, Harrison College of Pharmacy. March 18, 2023.
2. Applying implementation science to pharmacy practice research (panelist): 2023 AACP Implement Workshop Implementation Science for Transforming Pharmacy Practice and Education. February 18, 2023.
3. Using implementation science principles to advance pharmacy-based immunization services. Department of Pharmaceutical Health Outcomes and Policy. University of Houston. November 1, 2022.
4. Implementing innovative services to address community health needs. Mercer College of Pharmacy. June 1, 2022.
5. Building a research portfolio through collaborative partnerships. Visualizing Research Potential in the Local Environment: 2020 AACP Research Symposium. February 8, 2020.
6. Improving healthcare access through pharmacy-based innovations. Auburn Talk. September 2016.
7. Organizational Change Through Innovation Adoption. Mahasarakam University. January 2016.

8. Preparation to become an international student in U.S.A. Maharakam University, Thailand. January 2016.
9. Flipping pharmacy classroom; invited by the Instructional Multimedia Group. iTeach5: Active Learning. Auburn University. March 2013.
10. Pharmacy-based patient care services: adoption and sustainability. University of Arkansas Medical Sciences. October 2011.
11. Rotation opportunities in Thailand (with Jungnickel PW). Harrison School of Pharmacy Professional Seminar Series, September 2011.
12. Adoption and sustainability of pharmacy-based innovations; invited by Chulalongkorn University; Thai graduate students and pharmacists attended the workshop, December 2010.
13. Pharmacy-based patient care services. University of Georgia, Athens GA. September 2010.
14. Using instructional technology to enhance teaching and learning (with Fox BI). At Southern Pharmacy Administration Conference; Memphis TN, Summer 2010.
15. Innovative pharmacy services. Faculty of Pharmaceutical Sciences, Prince of Songkla University, Thailand, September 2006.  
(4-day workshop; invited by Prince of Songkla University; Thai graduate students and pharmacists attended the workshop).
16. Westrick SC. Survey nonresponse. Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand, September 2006.  
(Half-day lecture; invited by Chulalongkorn University, Pharmacy Administration Department; Thai graduate students attended the workshop).
17. Teaching and conducting research in the U.S. Faculty of Pharmaceutical Sciences, Srinakharinwirot University, Nakhon-Nayok, Thailand, September 2006.  
(Two-hour lecture; invited by Srinakharinwirot University; faculty members attended the lecture)
18. Operations and quality management. Course: Pharmaceutical Technology Seminar (Graduate-level course). International Graduate Program in Pharmaceutical Technology, Chulalongkorn University. July 2000.  
(One-hour lecture; 15 students and faculty members)
19. Introduction to operations management. Course: Pharmacy Management. Faculty of Pharmaceutical Sciences, Chulalongkorn University, July 2000.  
(One-hour lecture; 180 pharmacy students)
20. Introduction to operations management. Course: Pharmacy Management. Faculty of Pharmaceutical Sciences, Srinakharinwirot University. July 2000.  
(One-hour lecture; 80 students and faculty members)

### **Community Presentation**

1. Westrick SC. Immunizations. Rotary Club, Auburn, AL, October 2013.

## **VIII. PROFESSIONAL SERVICE**

### **Book Chapter Review**

Reviewed Leadership Essentials for Pharmacists chapter, in M. Chisholm-Burns (editor), *Essentials of Pharmacy Management, Leadership, Marketing, and Finance*. Sudbury, MA: Jones and Barlett Publishers. February 2009.

### **Consultants**

- |             |   |
|-------------|---|
| 2013 - 2015 | Lead researcher for RxVaccinate: A National Education and Practice Support Initiative to Increase Pharmacist Administered Pneumococcal Vaccinations, American Pharmacists Association |
| 2008        | Course consultant for 'Managing People' course, 3rd edition. This course is offered by the Certified Medical Representatives Institute, Inc, Roanoke VA.                              |

2004 – 2007 Consultant for 'Form and Effects of Pharmacy-Based Immunization Laws' project (R06-CCR 523387), Dr. Jeanine Mount (PI), University of Wisconsin-Madison.

#### **Journal Advisory Board**

2010 – 2013 Journal of the American Pharmacists Association  
2007 – 2016 Research in Social and Administrative Pharmacy

#### **Journal Editorial Team**

2014 – 2020 Journal of the American Pharmacists Association, Associate Editor  
2010 – 2013 Innovations in Pharmacy

#### **Journal Referee**

2013 – Present Currents in Pharmacy Teaching and Learning  
2013 – Present BMC Geriatrics  
2012 – Present BMC Research Notes  
2011 – Present Medical Education  
2010 – Present American Journal of Pharmaceutical Education  
2009 – Present Vaccine  
2006 – Present Research in Social and Administrative Pharmacy  
2008 – Present Journal of the American Pharmacists Association  
2008 – Present Annals of Pharmacotherapy

#### **Grant Referee**

Spring 2023 University of Alabama at Birmingham, CCTS  
Spring 2020 Alabama Pharmacy Association, Research & Education Foundation  
Spring 2019 Alabama Pharmacy Association, Research & Education Foundation  
April 2018 Auburn University Competitive Outreach Scholarships  
Summer 2015 K-award LOIs for Center for Clinical and Translational Sciences, University of Alabama at Birmingham Reviewer  
Summer 2014 Auburn University Research Initiative in Cancer, Reviewer  
Fall 2013 American Association of Colleges of Pharmacy, New Investigator Grant Program  
Spring 2007 American Association of Colleges of Pharmacy, New Investigator Grant Program  
Spring 2007 Auburn University Competitive Grant Program, Chair of a subcommittee  
Spring 2006 Auburn University Competitive Grant Program, Reviewer

#### **American Association of Colleges of Pharmacy**

2004 - Present Member  
2013 New Investigator Grant Program, Reviewer  
2012 Social & Administrative Sciences Section, Lyman Award Nomination Committee, Member  
2012 - 2014 AACP Social & Administrative Sciences Section, Graduate Program Committee, Member  
2010 – 2012 AACP Social & Administrative Sciences Section, Graduate Program Committee, Chair  
2009 – 2010 AACP Social & Administrative Sciences Section, Graduate Program Committee, Member  
2008 - 2009 AACP Social & Administrative Sciences Strategic Planning Task Force, Member  
2007 - 2008 Abstract Review Committee, Chair  
2007 New Investigator Grant Program, Reviewer  
2006 - 2007 Abstract Review Committee, Member

2006 - 2007 Member of AACP-SAS section Program Planning Committee

### **American Pharmacists Association**

2003 – Present Member  
2017 – 2018 Chair: Academy of Pharmaceutical Research and Science, Economic, Social and Administrative Sciences Section (ESAS)  
2016 - 2017 Chair Elect: Academy of Pharmaceutical Research and Science, Economic, Social and Administrative Sciences Section (ESAS)  
2017 ESAS Awards Committee  
2017 ESAS Programming Committee  
2016 APhA Awards Committee, Member  
2016 Wiederholt Committee, Chair  
2015 - 2017 Roundtable Session Committee, Member  
2014 - 2015 Roundtable Session Committee, Chair  
2014 - 2015 Abstract Review Committee, Reviewer  
2009 - 2010 Abstract Review Committee, Reviewer  
2005 - 2006 Abstract Review Committee, Reviewer

### **Other**

2023 Library, Auburn University – Promotion Review  
2022 Medical University South Carolina – Promotion Review  
2021 Northeastern University – Tenure Review  
2020 University of Mississippi – Promotion Review  
2020 University of Nebraska - Promotion Review  
2019 Midwestern – Glendale - Promotion Review  
2018 University of North Carolina – Chapel Hill – Tenure Review  
2018 University of Wisconsin-Madison – Promotion Review  
2017 University of Iowa – P&T review  
2013 University of Wisconsin-Madison – P&T Review

### **Alabama**

2019 – Present Alabama Pharmacy Association, Research & Education Foundation Board Member  
2018 – 2020 Prescriber and Dispenser Sub-committee – Member; this committee is part of the Alabama Overdose and Addiction Council

## **IX. SERVICE ACTIVITIES**

### **Auburn University**

2023 University Budget Advisory Committee - Member  
2022 University reader, Xiao Huang, Human Sciences  
2022-3 An administrator review committee for a Department Head - Chair  
2020-1 SEC Faculty Achievement Award Committee - Reviewer  
2020 Peer evaluator for the Department of Human Development and Family Studies in the College of Human Science  
2018 – Pres Honors College Advisory Council, Member  
2020 – Pres Academic Sustainability Program Advisory Committee  
2018-9 An administrator review committee for a Department Head - Chair  
2019 Student research symposium - Judge  
2018 University reader, Mr. Sanuwar Rashid, Human Sciences  
2018 Competitive outreach scholarship, reviewer

2018	3MT – Judge
2010 – 2019	Graduate Council, Member
2008 - 2017	International Education Advisory Council, Member
2008 – 2009	International Student Life Subcommittee, Member
2008 - 2009	International Student & Scholar Services subcommittee, Member
2004 – 2009	Graduate Faculty, Level 1
2005 - 2008	Senator for Pharmacy Care Systems Department
2007	Graduate Research Forum, Judge
2007	Competitive Research Grant Committee, Chair-subcommittee
2006	Competitive Research Grant Committee, Member

## **Harrison College of Pharmacy (HCOP)**

### *HCOP Committees*

2023	Faculty & Staff Awards Committee - Chair
2019-Present	Alumni Affairs Advisory Board - Member
2019-Present	Strategic Planning and Assessment Committee – Member
2019-Present	Risk Management Team - Member
2017-Present	Executive Committee-Member
2017-Present	Clinical Services Advisory Committee – Member
2016–2018	Curriculum Development Team II
2018-2019	Self study team -Member
2017-2018	Strategic Planning Committee-Member
2013–2017	Professional Education Steering Committee-Member
2008-2017	Graduate Programs Committee-Member
2008-2017	PharmD-PhD Committee-Member
2012-2014	Curriculum Mapping Committee-Member
2010-2013	Professional Education Steering Committee-Chair
2010-2011	Professional Education Steering Committee-Member
2009-2010	Strategic Planning Committee-Member
2009-2010	Office of Teaching and Learning-Advisory board member
2007-2009	Professional Education Steering Committee-Member
2007-2009	Professional Education Subcommittee I-Chair
2007-2008	Faculty Delegate for HSOP, American Association of Colleges of Pharmacy
2006-2007	Faculty Delegate for HSOP, American Association of Colleges of Pharmacy
2004-2008	Honors, Awards, and Scholarships Committee-Member
2006-2008	Professional Education Subcommittee IV-Member
2005-2008	Honor Board-Alternate Member
2006-2007	Professional Education Subcommittee I-Member
2005-2007	Rx Advisory-Member

### *Search Committee*

2022-3	Department of Pharmacy Practice Faculty Search Committee - Member
2022	Postdoctoral Research Fellow in Health Outcomes - Member
2022	Interim Dean for Harrison College of Pharmacy – Member
2022	Department of Health Outcomes Research and Policy Staff Search Committee - Chair
2021-2	Associate Dean for Academic Programs - Member
2020	Health Outcomes Research and Policy Staff Search Committee - Chair
2019	Department of Pharmacy Practice Faculty Search Committee - Member
2018-9	Associate Dean for Research Search Committee - Chair
2018	Department of Pharmacy Practice Department Head Search Committee - Member
2017	Department of Health Outcomes Research and Policy Faculty Search Committee - Chair

2017	Department of Health Outcomes Research and Policy Faculty Search Committee - Chair
2017	Department of Drug Discovery and Development Faculty Search Committee
2016	HSOP Dean Search Committee
2015	HSOP Assistant Dean for Research and Graduate Programs Search Committee
2013	HSOP Associate Dean for Curriculum and Assessment Search Committee
2011-2	Provost Search Committee
2011	Pharmacy Care Systems Faculty Position Search Committee
2010	Pharmaceutical Sciences Department Head-Chair
2009	Pharmacy Practice Associate Department Head Search Committee
2008	Pharmacy Care Systems Department Head Search Committee
2008	Pharmacy Care System Faculty Position Search Committee
2007	Pharmacy Practice Faculty Positions Search Committee
2007	Pharmaceutical Sciences Faculty Positions Search Committee
2006	Pharmacy Care System Faculty Position Search Committee

*Student Organization Advisor*

2006 - 2016	Advisor for Students National Pharmaceutical Association (SNPhA)
2005 – 2006	Co-advisor for Committee of 19-HSOP Chapter

**Department of Health Outcomes Research and Policy**

2015 – 2017	Graduate Program Officer (GPO) for Health Outcomes Research and Policy
2005 - 2011	Graduate Program Officer (GPO) for Pharmacy Care Systems