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Division of Pharmaceutical Evaluation and Policy
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Education

- 2009-2012 Doctor of Philosophy, Pharmaceutical Sciences (Pharmaceutical Outcomes & Policy)*
University of Kentucky, Graduate School
Dissertation: Chronic opioid use in fibromyalgia syndrome: characteristics and outcomes
- 2009-2012 Graduate Certificate in Informatics*
University of Kentucky, Graduate School
- 2006-2009 Master of Business Administration*
University of Kentucky, Gatton College of Business and Economics
- 2005-2009 Doctor of Pharmacy*
University of Kentucky, College of Pharmacy

Present Appointments

- 2020- Director of the Division of Pharmaceutical Evaluation and Policy*
Department of Pharmacy Practice
University of Arkansas for Medical Sciences; Little Rock, Arkansas
- 2019- Associate Director for Operations*
Center for Mental Healthcare and Outcomes Research
Central Arkansas Veterans Healthcare System; North Little Rock, Arkansas
- 2018- Associate Professor with Tenure*
Department of Pharmacy Practice
University of Arkansas for Medical Sciences; Little Rock, Arkansas
- 2012- Research Health Scientist and Core Investigator*
Center for Mental Healthcare and Outcomes Research
Central Arkansas Veterans Healthcare System; North Little Rock, Arkansas

Positions Held

- 2012-2018 Assistant Professor of Pharmaceutical Evaluation and Policy*
Department of Pharmacy Practice
University of Arkansas for Medical Sciences; Little Rock, Arkansas
- 2009-2012 Staff Pharmacist*
Sears Holdings Corporation; Winchester, Kentucky
June 2009-July 2012
- 2009-2011 Schutte Fellow in Pharmaceutical Outcomes and Policy*
University of Kentucky, College of Pharmacy
- 2009-2010 Health Services Research Assistant*
Research and Data Management Center; Lexington, Kentucky
- 2007 Regulatory Affairs Intern*
Procter and Gamble Pharmaceuticals; Mason, Ohio

Funding

Current

1. Implementation of collaborative care for depression in VA HIV clinics: Translating Initiatives for Depression into Effective Solutions (HITIDES). VA HSR&D Investigator-Initiated Research. VA HSRD, IIR 18-294-2. Principal Investigator: Jacob Painter. \$1,075,930. 2023-2026
2. Evidence, Policy, and Implementation Center. VA QUERI Implementation Training and Resources Center, VA QUERI QUE 22-XXX. Principal Investigator: Sara Landes. Role: Co-Investigator. \$4,099,713. 2022-2027.
3. Addressing COVID-19 Vaccine Hesitancy in Rural Community Pharmacies: Reducing Disparities Through an Implementation Science Approach. NIMHD, R01MD016992. Principal Investigator: Delesha Carpenter; Role: Co-Investigator. \$2,231,566. 2022-2025.
4. HEAL Initiative: Integrative Management of Chronic Pain and OUD for Whole Recovery (IMPOWR): Research Centers. NIDA, 1RM1DA055310-01. Principal Investigator: William Becker; Role: Site Principal Investigator. \$7,223,174. 2021-2026.
5. Testing an Adaptive Implementation Strategy to Optimize Delivery of Obesity Prevention in Early Care and Education Settings. NCI, R37CA252113. Principal Investigator: Taren Swindle; Role: Co-Investigator. \$3,696,338. 2021-2026.
6. Behavioral Health QUERI: Advancing 21st Century Mental Health Care for Veterans. VA QUERI, QUE 20-026. Principal Investigator: Sara Landes; Role: Co-Investigator. \$5,099,898. 2020-2025.
7. SWIFT funding mechanism for Non-COIN Affiliated (NCA) Investigators. VA HSRD, SDR 20-401. Principal Investigator: Jacob Painter (23-24). \$700,576. 2020-2024.
8. Comparing Effectiveness of PTSD Trial of Sequenced Pharmacotherapy and Psychotherapy in Primary Care. PCORI, 19-C1-15636. Principal Investigator: John Fortney; Role: Co-Investigator. \$6,824,666. 2019-2025.
9. Center for Mental Healthcare and Outcomes Research. VA HSR&D Center of Innovation. VA HSRD CIN 13-411. Principal Investigator: Richard Owen; Role: Co-Investigator. \$2,625,000. 2019-2024.

Completed

1. Implementing Caring Contacts for Suicide Prevention in Non-Mental Health Settings. VA QUERI Partnered Implementation Initiative. VA QUERI, PII 19-462. Principal Investigator: Sara Landes. Role: Co-Investigator. \$2,749,838. 2019-2023.
2. HIV Translating Initiatives for Depression into Effective Solutions (HITIDES) – Hybrid Type 3 Implementation-Effectiveness Trial: Developmental Formative Evaluation. VA HSRD, SDR 19-500. Role: Principal Investigator. \$150,000. 2020-2021.
3. National Advanced Care Planning and Advanced Directive Center. Principal Investigator: Kimberly Garner; Role: Co-Investigator. VA ORH, 6108-10P3C.\$4,171,217. 2018-2021.
4. The Use of Cefepime as a Carbapenem-Sparing Antibiotic in the Treatment of Bacteremia Due to AmpC B-Lactamase-Producing Enterobacteriaceae. UAMS COP Seed Grant. Role: Principal Investigator. \$10,500. 2018-2019.
5. Antihypertensive-Associated Risk of Lymphedema in Breast Cancer Patients Treated with Doxorubicin. UAMS COP Seed Grant. Principal Investigator: Amanda Stolarz; Role: Co-Investigator. \$11,500. 2018-2019.
6. Precision Medicine in Mental Health Care. VA HSR&D SDR 16-384. Principal Investigator: David Oslin; Role: Co-Investigator. \$11,000,000. 2017-2022.
7. Examining concomitant psychotropic medication use in opioid using Veterans. MIRECC Locally Initiated Project. Role: Principal Investigator. \$12,000. 2017.
8. Risk Stratified Enhancements to Clinical Care: Targeting Care for Patients Identified Through Predictive Modeling as Being at High Risk for Suicide. VA HSR&D, SDR 16-195. Principal Investigator: Sara Landes; Role: Co-Investigator. \$1,228,131. 2016-2021.
9. Comparative effectiveness of patient-centered strategies to improve pain management and opioid safety for Veterans. PCORI, 1511-33052. Principal Investigator: Erin Krebs; Role: Co-Investigator. \$12,499,310. 2016-2021.
10. Improving Pain-Related Outcomes for Veterans (IMPROVE). VA QUERI, QUE 15-460, Principal Investigator: Will Becker; Role: Site Principal Investigator. \$4,117,220. 2016-2020.
11. Opioid Consent Helping Optimize Information for Cancer and Effective (CHOICE) Pain Management Project. VA ORD, Principal Investigator: Karl Lorenz; Co-Investigator. \$499,975. 2016-2018.

12. Concomitant Vasopressin and Norepinephrine versus Norepinephrine Alone in Critically Ill Adult Patients with Septic Shock. AACP Critical Care PRN Member Research Grant, Principal Investigator: Drayton Hammond; Role: Co-Investigator. \$7,500. 2015-2017.
13. Risk Stratified Enhancements to Clinical Care: Targeting Care for Patients Identified Through Predictive Modeling as Being at High Risk for Suicide. VA HSR&D Planning Grant. Principal Investigator: Sara Landes; Role: Co-Investigator. \$342,204. 2016.
14. Characterization of implementation facilitators and barriers in VA HIV clinics: examination of the inner setting. CeMHOR Locally Initiated Project. Role: Principal Investigator. \$17,947. 2016.
15. Center for Mental Healthcare and Outcomes Research. Principal Investigator: Richard Owen; Role: Co-Investigator. VA HSR&D, CIN 13-411, \$2,750,000. 2014-2018.
16. Cost effectiveness analysis of a telemedicine-based collaborative care for PTSD. VA South Central Veterans Health Network Pilot Project Grant Program, Role: Principal Investigator. \$100,000. 2014-2016.
17. Evaluation of medication synchronization in Arkansas community pharmacies. National Community Pharmacists Association. Research Contract; Role: Principal Investigator. \$15,000. 2014-2015.
18. Off-label use of anti-psychotics: determinants, costs, and impact on patient safety. Principal Investigator: Teresa J. Hudson; Role: Co-Investigator. VA HSRD, RRP 11-379, \$99,353, 2012-2013.
19. Center for Mental Healthcare and Outcomes Research. Principal Investigator: Richard Owen; Role: Co-Investigator. VA HSRD, HFP 09-155, \$4,840,000, 2009-2013.

Publications

Refereed original research – first, senior, or corresponding author

1. Lakkad M, Martin B, Li C, Harrington S, Dayer L, Painter JT. Factors associated with guideline-concordant pharmacological treatment for neuropathic pain among breast cancer survivors. *Clinical Breast Cancer*. In press: 2023 May 18. doi: 10.1016/j.clbc.2023.05.002.
2. Lakkad M, Martin B, Li C, Harrington S, Dayer L, Painter JT. The use of gabapentinoids and opioids and risk of developing opioid-induced respiratory depression among older breast cancer survivors with neuropathic pain. *Journal of Cancer Survivorship*. 2023 Feb 8:1-1. doi: 10.1007/s11764-023-01338-9.
3. Raciborski RA, Woodward EN, Painter JT. Economic analyses of behavioral health intervention implementation: Perspective on stakeholder engagement. *Frontiers in Psychiatry*. 2022; 13. doi: 10.3389/fpsy.2022.1031325.
4. El Hassan NO, Crawford B, Alamarat Z, Painter JT. Clinical Review of Risk of Nephrotoxicity with Acyclovir Use for Treatment of Herpes Simplex Virus Infections in Neonates and Children. *The Journal of Pediatric Pharmacology and Therapeutics*. Accepted: October 25, 2022.
5. Dayer L, Wagner R, King D, Lakkad M, Wilson LA, Montgomery C, Painter JT. Impact of hydroxyurea starting dose on pain outcomes in patients with sickle cell disease. *Journal of Pain and Palliative Care Pharmacotherapy*. Accepted: September 19, 2022. doi: 10.1080/15360288.2022.2128154.
6. Boehmer K, Lakkad M, Johnson C, Painter JT. Depression and diabetes distress in patients with diabetes. *Primary Care Diabetes*. 2022; In press: Nov 21. doi: 10.1016/j.pcd.2022.11.003.
7. Lakkad M, Martin B, Li C, Harrington S, Dayer L, Painter JT. Healthcare costs and utilization associated with pain among breast cancer survivors: a propensity score matched cohort study using SEER-Medicare data. *Journal of Cancer Survivorship*. 2022; 1-34. doi: 10.1007/s11764-022-01282-0.
8. Dragic L, Webb T, Chandler M, Harrington SB, McDade E, Dayer L, Painter JT. Comparing Effectiveness of Gabapentin and Pregabalin in Treatment of Neuropathic Pain: A Retrospective Cohort of Palliative Care Outpatients. *Journal of Pain & Palliative Care Pharmacotherapy*. 2021;34(4):192-6. doi: 10.1080/15360288.2020.1784354
9. Pritchard ER, Dayer L, Belz J, Forseth B, Harrington S, Painter JT. Effect of cannabis on opioid use in patients with cancer receiving palliative care. *Journal of the American Pharmacists Association*. 2020; 60(1): 244-247.
10. Dayer LE, Kling B, Petersen M, Lakkad M, Painter JT. Association of the "CDC Guideline for Prescribing Opioids for Chronic Pain" with Emergency Department Opioid Prescribing. *Journal of Emergency Medicine*. 2019; 57(5): 597-602.
11. Stolarz AJ, Lakkad M, Klimberg S, Painter JT. Calcium channel blockers and risk of lymphedema among breast cancer patients: nested case control study. *Cancer Epidemiology, Biomarkers & Prevention*. 2019; 28(11): 1809-1815.
12. Chopra D, Shah A, Vadhariya A, Painter JT. The risk of varenicline-induced seizure among those who have attempted to quit smoking using pharmacotherapy. *Drug Safety*. 2019; 97: 169-173.

13. Painter JT, Gressler L, Kathe N, Slabaugh SL, Blumenschein K. Consumer willingness to pay for pharmacy services: An updated review of the literature. *Research in Social and Administrative Pharmacy*. 2018; 14(12): 1091-1105. doi: 10.1016/j.sapharm.2018.01.010.
14. Kathe NK, Shah A, Said Q, Painter JT. DPP-4 Inhibitor-induced rheumatoid arthritis among diabetics: a nested case-control study. *Diabetes Therapy*. 2018; 9(1): 141-151. doi: 10.1007/s13300-017-0353-5.
15. Gressler LE, Hudson TJ, Martin BC, Painter JT. Relationship between Concomitant Opioid-Benzodiazepine Use and Adverse Outcomes Among US Veterans. *PAIN*. 2017; 159(3): 451-459. doi: 10.1097/j.pain.00000001111.
16. Painter JT, Martin BC, Li C, Bodhani A, Pyne JM. Genetic Testing for CYP-2D6 Polymorphism Prior to Selective Serotonin Reuptake Inhibitor Prescribing: Results from a Decision Analysis Model. *Journal of Psychiatry and Cognitive Behavior*. 2017; 4(123): 1-7. doi: 10.29011/2574-7762.000023.
17. Painter JT, Pyne JM, Austen MA, Fortney JC. Cost-effectiveness of Telemedicine-Based Collaborative Care for Posttraumatic Stress Disorder. *Psychiatric Services*. 2017; 68: 1-7. doi: 10.1176/appi.ps.201600485.
18. Painter JT, Owen R, Henderson KL, Bauer MS, Mittal D, Hudson TJ. Analysis of the Appropriateness of Off-Label Antipsychotic Use for Mental Health Indications in a Veteran Population. *Pharmacotherapy*. 2017; 37(4): 438-446. doi: 10.1002/phar.1910.
19. Hayes CJ, Painter JT. A Comprehensive Review of Opioid-Induced Allodynia: Discussion of the Current Evidence and Clinical Implications. *Journal of Opioid Management*. 2017; 13(2): 95-103. doi: 10.5055/jom.2017.0373.
20. Painter JT, Fortney JC, Gifford AL, Rimland D, Monson T, Rodriguez-Barradas MC, Pyne JM. Cost-effectiveness of collaborative care for depression in human immunodeficiency virus clinics. *Journal of Acquired Immune Deficiency Syndromes*. 2015; 70 (4): 377-385. doi: 10.1097/QAI.0000000000000732.
21. Painter JT, Crofford LJ, Talbert J, Butler JS. Healthcare costs associated with chronic opioid use and fibromyalgia syndrome: a propensity-matched case control. *American Journal of Pharmacy Benefits*. 2014; 6(6): e177-e184.
22. Painter JT, Talbert J, Crofford LJ. Geographic variation of chronic opioid use for fibromyalgia. *Clinical Therapeutics*. 2013; 35(3):303-311. doi: 10.1016/j.clinthera.2013.02.003.
23. Painter JT, Crofford, LJ. Chronic opioid use in fibromyalgia: a clinical review. *Journal of Clinical Rheumatology*. 2013; 19(2):72-77. doi: 10.1097/RHU.0b013e3182863447.
24. Painter JT, Fink III JL. Educational innovations: Categories of bulletin board postings designed to increase awareness of contemporary pharmaceutical policy issues. *Pharmacy Practice*. 2010; 8(4):255-259. doi: 10.4321/s1886-36552010000400009.

Refereed original research – contributing author

1. Acharya M, Hayes CJ, Li C, Painter JT, Dayer L, Martin BC. Opioid therapy trajectories of patients with chronic non-cancer pain over one year of follow-up after initiating short-acting opioid formulations. *Pain Medicine*. Accepted: November 9, 2023.
2. Mahashabde R, Bhatti SA, Martin BC, Painter JT, Rodriguez A, Ying J, Li C. Real-World Survival of First-Line Immune Checkpoint Inhibitor Treatment Versus Chemotherapy in Older Patients With Non–Small-Cell Lung Cancer and Synchronous Brain Metastases. *JCO Oncology Practice*. Published online: September 20, 2023. doi: 10.1200/OP.23.00042
3. Shah NK, Chandler MW, Cetto AV, Luciani LL, Painter J, Bailey D. Retrospective Cohort Study of Safety Outcomes Associated with Opioid Rotations to Buprenorphine. *Journal of Pain & Palliative Care Pharmacotherapy*. Published online: 2023 Apr 8:1-2. doi: 10.1080/15360288.2023.2200412.
4. Dhuliawala S, Payakachat N, Painter JT, Swindle T, Li C. Food Insecurity and Health Outcomes of Children with Intellectual and Developmental Disabilities. *American Journal on Intellectual and Developmental Disabilities*. 128 (6), 462-480. doi: 10.1352/1944-7558-128.6.462
5. Acharya M, Hayes CJ, Li C, Painter JT, Dayer L, Martin BC. Comparative study of opioid initiation with tramadol, short-acting hydrocodone or short-acting oxycodone on opioid-related adverse outcomes among chronic non-cancer pain subjects. *The Clinical Journal of Pain*. 2023; 39: 107-118. doi: 10.1097/AJP.0000000000001093.
6. Swindle T, Rutledge JM, Selig JP, Painter JT, Zhang D, Martin J, Johnson SL, Whiteside-Mansell L, Almirall D, Barnett-McElwee T, Curran GM. Obesity prevention practices in early care and education settings: an adaptive implementation trial. *Implementation Science*. 2022; 17(1): 1-16. doi: 10.1186/s13012-021-01185-1.
7. Acharya M, Hayes CJ, Li C, Painter JT, Dayer L, Martin BC. Development of a potential opioid misuse measure from administrative dispensing data and contrasting opioid misuse among individuals on long-term tramadol, long-term

short-acting hydrocodone or long-term short-acting oxycodone therapy in Arkansas. *Current Medical Research and Opinion*. 2022; 38(11): 1947-1957. doi: 10.1080/03007995.2022.2112874

8. Matthieu MM, Ounpraseuth ST, Williams JS, Hu B, Adkins DA, Taylor LD, Oliver CM, Smith RM, Painter JT, McCullough JA, Garner KK. "Advancing" Advance Care Planning to Veterans in the Veterans Health Administration. *Military Medicine*. 2022. Published online: Jul 8. doi: 10.1093/milmed/usac196.
9. Klucher JM, Davis K, Lakkad M, Painter JT, Dare RK. Risk factors and clinical outcomes associated with blood culture contamination. *Infection Control & Hospital Epidemiology*. 2022; 43(3): 291-7. doi: 10.1017/ice.2021.111.
10. Chopra D, Li C, Painter JT, Bona JP, Nookaew I, Martin BC. Characteristics and Network Influence of Providers Involved in the Treatment of Patients with Chronic Back, Neck or Joint Pain in Arkansas. *The Journal of Pain*. 2021; 22(12):1681-95. doi: 10.1016/j.jpain.2021.06.002.
11. Dare RK, Lusardi K, Pearson C, McCain KD, Daniels, B Van S, Rico RC, Painter JT, Lakkad M, Rosenbaum ER, Bariola JR. Clinical Impact of Accelerate Pheno™ Rapid Blood Culture Detection System in Bacteremic Patients. *Clinical Infectious Diseases*. 2021;73(11):e4616-26. doi:10.1093/cid/ciaa649.
12. Landes SJ, Jegley SM, Kirchner JE, Areno JP, Pitcock JA, Abraham TH, McBain SA, Singh RS, Bollinger MJ, Painter J, Woods JA. Adapting caring contacts for veterans in a Department of Veterans Affairs emergency department: results from a type 2 hybrid effectiveness-implementation pilot study. *Frontiers in Psychiatry*. 2021;12: 746805. doi: 10.3389/fpsy.2021.746805
13. Callaway K, Lakkad M, Painter JT, Dayer L, Oswalt AK. The Impact of Continuous Infusion Compared to Intravenous Bolus Administration of Pantoprazole on Length of Intensive Care Unit Stay in Critically Ill Patients. *Journal of Pharmacy Practice*. 2021. doi: 10.1177/08971900211036096.
14. Muzzio K, Chandler M, Painter JT, Dragic L. Characterizing Patients after Opioid Taper in a VA Medical Center. *Journal of Pain & Palliative Care Pharmacotherapy*. 2021;35(2):84-90. doi: 10.1080/15360288.2021.1900492
15. Matthieu MM, Ounpraseuth ST, Painter JT, Waliski A, Williams JS, Hu B, Smith R, Garner KK. Evaluation of the national implementation of the VA Diffusion of Excellence Initiative on Advance Care Planning via Group Visits: Protocol for a quality improvement evaluation. *Implementation Science Communications*. 2020; 1(1): 1-10. doi:10.21203/rs.2.21754/v1.
16. Hammond DA, Flowers HJ, Meena N, Painter JT, Rech MA. Cost avoidance associated with clinical pharmacist presence in a medical intensive care unit. *Journal of the American College of Clinical Pharmacy*. 2019. doi:10.1002/jac5.1111.
17. Dayer LE, Painter JT, McCain K, King J, Cullen J, Foster HR. A Recent History of Opioid Use in the US: Three Decades of Change. *Substance Use and Misuse*. 2019; 54(2): 331-339. doi: 10.1080/10826084.2018.1517175
18. Midboe AM, Martino S, Krein SL, Frank JW, Painter JT, Chandler M, Schroeder A, Fenton BT, Troszak L, Erhardt T, Kerns RD, Becker WC. Testing Implementation Facilitation of a Primary Care-Based Collaborative Care Clinical Program Using a Hybrid Type III Interrupted Time Series Design: A Study Protocol. *Implementation Science*. 2018; 13(1): 145-156. doi: 10.1186/s13012-018-0838-2.
19. Hammond DA, Rowe JM, Wiley TL, Painter JT. Evaluation of an elective course for preparing students to pursue postgraduate residency training. *Currents in Pharmacy Teaching and Learning*. In press: June 2018. doi: 10.1016/j.cptl.2018.06.007.
20. Hammond DA, Clem O, Painter JT, McCain K, Cullen J, Brotherton A, Chopra D, Meena NK. Prospective, open-label trial of early concomitant vasopressin and norepinephrine versus initial norepinephrine monotherapy in septic shock. *Pharmacotherapy*. 2018; 38(5): 531-538. doi: 10.1002/phar.2105
21. Becker WC, Mattocks KM, Frank JM, Bair MJ, Jankowski RL, Kerns RD, Painter JT, Fenton BT, Midboe AM, Martino S. Mixed methods formative evaluation of a collaborative care program to decrease risky opioid prescribing and increase non-pharmacologic approaches to pain management. *Addictive Behaviors*. In Press (2018) doi: 10.1016/j.addbeh.2018.03.009
22. Hammond DA, Painter JT, Meena NK. Incidence of clinically significant hypotension stratified by vasopressin duration. *Journal of Intensive Care Medicine*. 2019; 34(1): 77-78.
23. Hammond DA, James TB, Atkinson LN, Painter JT, Lusardi K. Changing the Time of Blood Collection to Determine Vancomycin Concentrations in Intensive Care Unit Patients. *Critical Care Nurse*. 2018; 38(1): 24-28. doi: 10.4037/ccn2018XXX.
24. Hammond DA, Painter JT, Chiu T, Meena NK. Non-Pharmacist Healthcare Providers' Knowledge of and Opinions Regarding Medication Costs in Critically Ill Patients. *Hospital Pharmacy*. 2018; 53(3) 188-193.

25. Hammond DA, Cullen J, Painter JT, McCain K, Brotherton AL, Meena NK. Efficacy and Safety of the Early Addition of Vasopressin to Norepinephrine in Septic Shock. *Journal of Intensive Care Medicine*. ePub: August 2017. doi: 10.1177/0885066617725255.
26. Hudson TJ, Painter JT, Gressler LE, Lu L, Williams JS, Booth BM, Martin BC, Sullivan MD, Edlund MJ. Factors Associated with Opioid Initiation in OEF/OIF/OND Veterans with Traumatic Brain Injury. *Pain Medicine*. ePub: July 2017. doi: 10.1093/pm/pnx208.
27. Hammond DA, McCain K, Painter JT, Clem OA, Cullen J, Brotherton AL, Chopra D, Meena NK. Discontinuation of Vasopressin Before Norepinephrine in the Recovery Phase of Septic Shock. *Journal of Intensive Care Medicine*. ePub: June 2017. doi: 10.1177/0885066617714209.
28. Hammond DA, Killingsworth CA, Painter JT, Pennick RE, Chatterjee K, Boye B, Meena N. Impact of targeted educational interventions on appropriateness of stress ulcer prophylaxis in critically ill adults. *Pharmacy Practice*. 15(3): 948-953. doi: 10.18549/PharmPract.2017.03.948.
29. Shewale AR, Barnes CL, Fischbach LA, Ounpraseuth ST, Painter JT, Martin BC. Comparative effectiveness of intra-articular hyaluronic acid and corticosteroid injections on the time to surgical knee procedures. *The Journal of Arthroplasty*. ePub: July 2017. doi: 10.1016/j.arth.2017.07.007.
30. Hammond DA, Atkinson LN, James TB, Painter JT, Lusardi K. Effects of staff education and standardizing dosing and collection times for vancomycin troughs to morning blood collections on trough appropriateness in ward patients. *Pharmacy Practice*. 2017; 15(2): 949-953. doi: 10.18549/PharmPract.2017.02.949.
31. Shewale AR, Barnes CL, Fischbach LA, Ounpraseuth S, Painter JT, Martin BC. Comparative effectiveness of low, moderate and high molecular weight hyaluronic acid injections in delaying time to knee surgery. *Arthroplasty*. 2017; 32: 2952-2957. doi: 10.1016/j.arth.2017.04.041.
32. Hudson TJ, Painter JT, Martin BC, Austen MA, Williams JS, Fortney JC, Sullivan MD, Edlund MJ. Pharmacoepidemiologic Analyses of Opioid Use among OEF/OIF/OND Veterans. *PAIN*. 2017; 158(6): 1039-1045. doi: 10.1097/j.pain.0000000000000874.
33. Hammond D, Painter JT, Oyler D, Branan T, Devlin J, Barletta J, Bolesta S, Dunn B, Haney J, Juang P, Kane-Gill S. Perceived motivating factors and barriers for the completion of postgraduate training among American pharmacy students prior to beginning advanced pharmacy practice experiences. *American Journal of Pharmacy Education*. 2017; 81(8): 90-97. doi: 10.5688/ajpe81590.
34. Drummond KL, Painter JT, Curran GM, Stanley R, Gifford AL, Rodriguez-Barradas M, Rimland D, Monson TP, Pyne JM. HIV patient and provider feedback on a telehealth collaborative care for depression intervention. *AIDS Care*. 2017; 29(3): 290-298. doi: 10.1080/09540121.2016.1255704.
35. Hammond DA, Painter JT, Bhandari N. Effect of etomidate on pneumonia development in critically ill, non-trauma patients. *Journal of Intensive Care Medicine*. ePub: December 2016. doi: 10.1177/0885066616686052.
36. Hammond DA, Hughes CA, Painter JT, Pennick RE, Chatterjee K, Boye B, Meena N. Impact of Targeted Educational Interventions on Clostridium Difficile Infection Treatment in Critically Ill Adults. *Hospital Pharmacy*. 2016; 51(11): 901-906. doi: 10.1310/hpj5111-901.
37. Hammond DA, Smith MN, Painter JT, Meena NK, Lusardi K. Comparative incidence of acute kidney injury in critically ill patients receiving vancomycin with concomitant piperacillin-tazobactam or cefepime: a retrospective cohort study. *Pharmacotherapy*. 2016; 36(5): 463-471. doi: 10.1002/phar.1738.
38. Brown JD, Hutchinson LC, Li C, Painter JT, Martin BC. Predictive validity of the Beers and STOPP criteria to detect adverse drug events, hospitalizations, and emergency department visits in the United States. *Journal of the American Geriatrics Society*. 2016; 64(1) 22-30. doi: 10.1111/jgs.13884.
39. Cobaugh DJ, Gainor C, Gaston CL, Kwong TC, Magnani B, McPherson ML, Painter JT, Krenzelok EP. The opioid abuse and misuse epidemic: Implications for pharmacists in hospitals and health systems. *American Journal of Health-System Pharmacy*. 2014; 71(18):1539-1554. doi: 10.2146/ajhp140157.\

Other professional publications

1. Darley A, Painter JT, Ward K, Vordenberg S, Fusco NM, Brady J, Culhane NS, Habib M, Hernandez E, Moyer P, Munusamy S. ALFP Debate: Online Certificates and Digital Badges Will Positively Disrupt Pharmacy Education. *American Journal of Pharmaceutical Education*. 2023 Aug 1;87(8):100142. doi: 10.1016/j.ajpe.2023.100142
2. Painter JT, Curran G. (2020) Implementation and Evaluation of Pharmacy Services. In Remington: The Science and Practice of Pharmacy 23e. London: Pharmaceutical Press.
3. Teeter B, Painter JT. (2019) Marketing Applications. In Pharmacy Management: Essentials for All Practice Settings 5e. New York: McGraw-Hill.

4. Garner K, George M, Painter JT. Palliative Pain Management during an Opioid Epidemic. Arkansas Hospitals. ePub; Spring 2019: 40-41. Available: <http://www.arkhospitals.org/archive/arkhospmagpdf/AHASpring2019.pdf>
5. Painter JT, Moore G, Morris B. Addressing medication non-adherence through implementation of an appointment-based model synchronization network. America's Pharmacist. ePub: October 2015. doi: 10.13140/RG.2.1.1598.5360
6. Lewis S, Painter JT, Price H, Stafford R. The Effect of Appointment-Based Medication Synchronization on Clinical Services in a Community Pharmacy. Computer Talk for the Pharmacist. 2015; 35(3): 15-18.
7. Painter JT, Cobaugh DJ. Preventing Opioid Abuse: Prescription drug monitoring programs can play important role. Clinical and Forensic Toxicology News. March 2015.

Conference presentations

1. Peng C, Dayer L, Williams A, Luciani L, Lowery J, Butterfield B, Painter JT. Poster: CO90 Correlation between Length of Surgery and Opioid Overprescribing at Hospital Discharge. Value in Health. 2023 Jun 1;26(6):S31.
2. Bramwell A, Boehmer K, Mahashabde RV, Painter JT, Murphy PZ. Assessment of metformin intolerance: a retrospective chart review. Poster XXX American Pharmacists Association Annual Meeting and Exposition. March 25, 2023. Abstract: Journal of American Pharmacists Association. 2023.
3. Mahashabde R, Swindle T, Rutledge J, Zhang D, Painter J. Estimating the Value of an Early Childhood Education Healthy Eating Intervention. Poster: P150 Society of Nutrition Education and Behavior Annual Conference. July 2022. Abstract: Journal of Nutrition Education and Behavior. 2022 Jul 1;54(7):S89-90.
4. Wagner R., Boehmer K., Mahashabde R., Painter J. Factors associated with an increased risk of vitamin b12 deficiency in type 2 diabetes patients on metformin. 2022 American College of Clinical Pharmacy Poster Symposium. (Virtual) Poster Presentation.
5. Mahashabde R, Bhatti S, Martin BC, Painter J., Rodriguez A, Ying J, Li C. First line Immune Checkpoint Inhibitor Treatment vs. Chemotherapy in Older Adults with Non-Small Cell Lung Cancer and Synchronous Brain Metastases. UAMS Cancer Institute Research Retreat 2022 and Podium Presentation at Southern Pharmacy Administration Conference. May 2022. Poster Presentation.
6. Peng C, Dayer L, Burlette M, Clement C, Azhar G, Painter JT. Relationship between Concurrent Use of Opioids and Gabapentin and Falls Among Older Adults with Chronic Opioid Therapy. Poster: EPH44 International Society for Pharmacoeconomics and Outcomes Research International Meeting Abstract: Value in Health. 2022; 25(7):S442.
7. Thomas J, Peng C, Johnson JT, Maples H, Teeter B, Painter J, Dare R, Shoptaw E, Golden W. Impact of COVID on Antibiotic Prescribing Patterns in a Medicaid Population. Poster: Abstract: Journal of the American College of Clinical Pharmacy. 2022; 5(7): 770.
8. Painter J, Matthieu M. Advance care planning via group visits: Partnering to discern implementation strategies from stakeholder activities. *Implementation Science*. Podium: 2021 AcademyHealth Dissemination & Implementation Conference. Abstract: 2021; 16(S1).
9. Matthieu MM, Ounpraseuth, ST Painter, JT, Waliski A., Williams JS., Hu B., Smith R., & Garner KK (December 2020). Advance Care Planning via Group Visits: The impact of funding staff positions for implementing a diffusion of excellence program (Poster session).
10. Boehmer K, Lakkad M, Johnson C, Painter J. Factors associated with diabetes distress. Poster: 2020 ACCP Virtual Annual Meeting. Presented: Oct 27, 2020.
11. Lakkad M, Painter JT. PCN367 Breast cancer pain conditions and medication use among commercially insured breast cancer patients. Value in Health. 2020 May 1;23:S89.
12. Dhuliawala S, Painter JT. PCV44 Risk of cardiac events in ibrutinib-treated patients with lymphoid malignancies. Value in Health. 2020 May 1;23:S98.
13. Lakkad M, Acharya M, Painter JT. PMS51 Gabapentin, opioid, and benzodiazepine prescribing in early care of individuals with chronic back pain: a secular trends analysis. Value in Health. 2020 May 1;23:S224.
14. Shrikhande M, Dhuliawala S, Painter JT. Risk of pneumonia associated with ibrutinib in patients with lymphoid malignancies. Poster: PCN201 Abstract: *Value in Health*. 2020;23: S57-8.
15. Lakkad M, Painter JT. Opioid Prescribing for Chronic Pain and Impact of CDC Guidelines in an Academic Center Emergency Department: Interrupted Time Series Analysis. Poster B-189. Academy Health Annual Research Meeting. June 3, 2019.
16. Hung D, Kathe N, Painter JT. Pregabalin use on Diabetic Neuropathy Patients and the Risk of Heart Failure. Poster XX. International Society for Pharmacoeconomics and Outcomes Research International Meeting. Baltimore, Maryland. May 21, 2018.

17. Crader M, Painter JT. Impact of Vancomycin Loading Doses on MRSA Vancomycin MICs. Poster XXX. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, California. December 2, 2018.
18. Kling B, Breckling M, Lakkad M, Pritchard R, Painter JT, Dayer LE. The impact of CDC guidelines on opioid prescribing in an academic medical center emergency department. Poster XXX. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, California. December 2, 2018.
19. Dare R, McCain K, Lusardi K, Lakkad M, Painter JT, Bariola JR. Impact of Accelerate Pheno™ Rapid Blood Culture Detection System on Laboratory and Clinical Outcomes in Bacteremic Patients. Podium 1758. Infectious Disease Week 2018. San Francisco, California. October 6, 2018.
20. Painter JT, Hayes C, Martin B, Hudson T. The Role of Race/Ethnicity in Opioid Prescribing Among Veterans with Chronic Non-Cancer Pain. Poster B-75. Academy Health Annual Research Meeting. Seattle, Washington. June 25, 2018.
21. Gressler L, Hudson T, Painter JT. The Effect of Psychotropic Load on Adverse Outcomes among Veterans Using Opioids. Academy Health Annual Research Meeting. Seattle, Washington. June 25, 2018.
22. Acharya M, Painter JT. New Oral Anticoagulants and the Risk of Vasculitis: A Nested Case-Control Study. Poster PCV1. International Society for Pharmacoeconomics and Outcomes Research International Meeting. Baltimore, Maryland. May 19, 2018.
23. Kathe N, Painter JT. Comparative Effectiveness of Second-Line Anti-Diabetic Agents in Delaying Treatment Intensification. Poster PDB28. International Society for Pharmacoeconomics and Outcomes Research International Meeting. Baltimore, Maryland. May 19, 2018.
24. Hung DT, Kathe N, Painter JT. Pregabalin Use for Diabetic Neuropathy Patients and the Risk of Heart Failure. Poster PSY2. International Society for Pharmacoeconomics and Outcomes Research International Meeting. Baltimore, Maryland. May 19, 2018.
25. Shewale AR, Barnes LC, Fischbach LA, Ounpraseuth S, Painter JT, Martin BC. Conflicting Comparative Effectiveness Evidence of Hyaluronic Acid Using Real World Data Evidence. An Update Using a High Dimensional Propensity Score Matching Approach. Poster: PMS11. International Society for Pharmacoeconomics and Outcomes Research International Meeting. Boston, Massachusetts. May 21, 2017.
26. Hammond DA, Flowers H, Painter JT. Cost Avoidance from Pharmacist Interventions Documented in a Medical ICU. Poster: 37. 46th Critical Care Congress. Honolulu, Hawaii: January 21, 2017. Poster: 37. American College of Clinical Pharmacy Annual Meeting. Hollywood, Florida: October 23, 2016.
27. Hammond DA, Cullen J, McCain K, Painter JT. Retrospective, Cohort Study of Norepinephrine and Vasopressin versus Norepinephrine Alone for Septic Shock: Poster: 1451. 46th Critical Care Congress. Honolulu, Hawaii: January 21, 2017.
28. Clem OA, Painter JT, Cullen J, Hammond DA. Randomized Controlled Trial of Norepinephrine and Vasopressin versus Norepinephrine Alone for Septic Shock. Poster: 1350. 46th Critical Care Congress. Honolulu, Hawaii: January 21, 2017. Poster: 1350. American Colleges of Clinical Pharmacy Annual Meeting. Hollywood, Florida. October 25, 2016.
29. Hammond DA, Clem OA, Brotherton AL, Painter JT. Discontinuation of Vasopressin before Norepinephrine in Recovery Phase of Septic Shock: Cohort Study. Poster: 1432. 46th Critical Care Congress. Honolulu, Hawaii: January 21, 2017.
30. Hammond DA, Vines C, McPhee A, Bhandari NR, Jones K, Meena N, Painter JT. Effect of etomidate on pneumonia development in critically ill, non-trauma patients. Poster: 41299. 46th Critical Care Congress. Honolulu, Hawaii: January 21, 2017.
31. Painter JT, Hudson T. Determining the Appropriateness of Off-Label Antipsychotic Use for Mental Health Indications. Podium: 12510. 2016 Academy Health Behavioral Health Interest Group. Boston, Massachusetts: June 25, 2016.
32. Painter JT, Fortney JC, Gressler L, Pyne JM. Comparing the Sensitivity of Generic and Disease-Specific Effectiveness Measures in Persons with PTSD. Poster: 12509. 2016 Academy Health Behavioral Health Interest Group. Boston, Massachusetts: June 25, 2016. Poster: 1063. 2016 Academy Health Annual Research Meeting. Boston, Massachusetts: June 27, 2016.
33. Painter JT, Fortney JC, Pyne JM. Cost-Effectiveness of Telemedicine-Based Collaborative Care for PTSD. Poster: 1062. 2016 Academy Health Annual Research Meeting. Boston, Massachusetts: June 27, 2016.
34. Chopra D, Shah A, Painter JT. The risk of seizures with Varenicline use among patients who have attempted to quit smoking using pharmacotherapy or nicotine replacement therapy. Poster: 21st Annual International Society for

- Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 23, 2016. Value in Health, 19 (3): A265.
35. Kathe N, Shah A, Painter JT. Impact of dipeptidyl peptidase-4 inhibitors on the risk of rheumatoid arthritis. Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 24, 2016. Value in Health, 19 (3): A225.
 36. Bhandari NR, Shewale AR, Kathe NJ, Shah AB, Painter JT. Association Between the Use of Doxorubicin and Risk of Developing Hepatotoxicity Among Cancer Patients. Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 24, 2016. Value in Health, 19 (3): A134.
 37. Shewale AR, Bhandari NR, Kathe N, Hammond DA, Painter JT. Off-label and on-label use of testosterone among the commercially insured population in the United States. Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 24, 2016. Value in Health, 19 (3): A261.
 38. Shewale AR, Bhandari NR, Kathe N, Hammond DA, Painter JT. Geographic variation in off-label and on-label use of testosterone among the commercially insured population in the United States. Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 24, 2016. Value in Health, 19 (3): A262.
 39. Shewale AR, Bhandari NR, Kathe N, Hammond DA, Painter JT. Male and female users of testosterone among the commercially insured population in the United States. Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 24, 2016. Value in Health, 19 (3): A264.
 40. Shewale AR, Barnes LC, Fischbach LA, Ounpraseuth S, Painter JT, Martin BC. Characterization of initial treatment strategies used to manage incident knee osteoarthritis." Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 24, 2016. Value in Health, 19 (3): A238.
 41. Gressler, L.E., Kathe N, Painter, JT. Assessing the Potential Risk of Serotonin Syndrome in Tapentadol Users. Poster: 21st Annual International Society for Pharmacoeconomics and Outcomes Research Conference, Washington, DC, USA. May 25, 2016. Value in Health, 19 (3): A241.
 42. Wiley T, Rowe J, Painter JT, Hammond DA. Student confidence, intentions, and factors regarding pursuit of postgraduate residency training following an elective. Poster: 2016 American Association of Colleges of Pharmacy Annual Meeting. Anaheim, California: July 23, 2016.
 43. Wiley T, Rowe J, Painter JT, Castleberry AN, Hammond DA. Qualitative analysis of students' opinions regarding a fast-paced, interactive learning session on pulmonary arterial hypertension. Poster: 2016 American Association of Colleges of Pharmacy Annual Meeting. Anaheim, California: July 23, 2016.
 44. Castleberry AN, Wiley T, Painter JT, Hammond DA. Students' in-class knowledge of pulmonary arterial hypertension stratified by cognitive domain level and exam performance. Poster: 2016 American Association of Colleges of Pharmacy Annual Meeting. Anaheim, California: July 23, 2016.
 45. Hammond DA, Wiley T, Castleberry AN, Painter JT. Pulmonary therapeutics module writer your own practice exam question assignment: attitudes and perceptions quantitative analysis. Poster: 2016 American Association of Colleges of Pharmacy Annual Meeting. Anaheim, California: July 23, 2016.
 46. Shewale A, Stolarz A, Painter JT, Rusch N, Fischbach L. Poster: Risk of arm lymphedema with taxane and anthracycline use among patients with breast cancer. Poster: Society for Medical Decision Making 37th Annual North American Meeting. Saint Louis, Missouri: October 20, 2015
 47. Hammond DA, Renna CE, Painter JT, Wilson AS, Jones KM. Implementation and Outcomes from an Interprofessional Simulated Patient Care Experience on End-of-Life Care and Attitudes toward Death. Poster: American College of Clinical Pharmacy Global Conference on Clinical Pharmacy. San Francisco, California: October 19, 2015
 48. Painter JT, Martin BC, Li C, Bodhani A, Pyne JM. Poster: Decision Analysis Model for Genetic Testing Prior To Antidepressant Treatment. 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Boston, Massachusetts: August 23, 2015. Pharmacoepidemiology and Drug Safety. 24(S1): 192-193 [344].
 49. Painter JT, Castleberry AN. Student perceptions of active learning methods in pharmacy management. Poster: 2015 American Association of Colleges of Pharmacy Annual Meeting. National Harbor, Maryland: July 12, 2015
 50. Painter JT, Pyne JM, Fortney JC. Podium: Cost-Effectiveness of Telemedicine-Based Collaborative Care for PTSD. Podium: 2015 Academy Health Behavioral Health Interest Group. Minneapolis, Minnesota: June 13, 2015

51. Hammond DA, Smith MN, Painter JT, Meena NK, Lusardi K. Comparative incidence of acute kidney injury in critically ill patients. Podium: 44th Critical Care Congress. Phoenix, Arizona: January 17, 2015. *Critical Care Medicine*. 2015; 43(12): 113 [447].
52. Hammond DA, Chiu T, Meena NK, Jagana R, JT Painter. Healthcare provider's knowledge of and opinions regarding medication costs in critically ill patients. Podium: 44th Critical Care Congress. Phoenix, Arizona: January 17, 2015. *Critical Care Medicine*. 2015; 43(12): 327 [1302].
53. Brown J, Painter JT, Li C, Hutchison L, Martin B. Predictive validity of inappropriate prescribing criteria for adverse drug events, hospitalizations, and emergency department visits: a time-to-event comparison of the Beers and STOPP criteria. Poster: International Society for Pharmacoeconomics and Outcomes Research 17th Annual European Congress. Amsterdam, Netherlands: November 13, 2014. *Value in Health*. 17(3): A155 [PIH7].
54. Painter JT, Castleberry AN. Confidence in pharmacy management skills: the role of gender. Poster: 2014 American Association of Colleges of Pharmacy Annual Meeting. Grapevine, Texas: July 28, 2014.
55. Shewale AR, Shah AB, Painter JT. Risk of psychosexual dysfunction between users of selective serotonin reuptake inhibitors and serotonin norepinephrine reuptake inhibitors. Poster: 19th Annual International Society for Pharmacoeconomics and Outcomes Research Conference. Montreal, Quebec. June 4, 2014. *Value in Health*. 17(3): A210 [PMH14]
56. Shah AB, Shewale AR, Painter JT. Risk of hyponatremia among incident users of antidepressants. Poster: 19th Annual International Society for Pharmacoeconomics and Outcomes Research Conference. Montreal, Quebec. June 4, 2014. *Value in Health*. 17(3): A211 [PMH15].
57. Brown J, Painter JT, Li C, Hutchison L, Martin B. Adverse drug events in the elderly occurring in emergency, inpatient, and outpatient departments in an administrative claims database. Poster: 19th Annual International Society for Pharmacoeconomics and Outcomes Research Conference. Montreal, Quebec. June 4, 2014. Podium: 2014 Southern Pharmacy Administration Conference. Oklahoma City, Oklahoma: June 20, 2014.
58. Painter JT, Shewale A, Hudson TJ. Characterization of fibromyalgia in veterans. Poster: Academy Health 30th Annual Research Meeting. San Diego, California: June 9, 2014.
59. Painter JT, Fortney JC, Pyne JM. Net health benefits of collaborative care for depression in HIV clinics. Poster: 2014 Academy Health Behavioral Health Interest Group. San Diego, California: June 7, 2014.
60. Painter JT, Talbert J, Crofford LJ. Geographic variation of chronic opioid use in fibromyalgia. Poster: 29th International Conference on Pharmacoepidemiology and Therapeutic Risk Management. Montreal, Quebec: August 25, 2013. *Pharmacoepidemiology and Drug Safety*. 2013; 22: S485-S486 [971].
61. Painter JT, Fortney JC, Pyne JM. Cost effectiveness of collaborative care for depression in human immunodeficiency virus clinics. Podium: Academy Health 30th Annual Research Meeting. Baltimore, Maryland: June 22, 2013.
62. Painter JT. Effect of prescription monitoring programs on opioid admission rate: an HCUP study. Poster: International Society for Pharmacoeconomics and Outcomes Researchers 16th Annual International Meeting: Baltimore, Maryland: May 21, 2011. *Value in Health*. 2011; 14(3): A197-A198 [PMH65].
63. Painter JT, Talbert J. The effect of practitioner type on chronic opioid use in patients with fibromyalgia syndrome. Poster: Academy Health Annual Research Meeting. Boston, Massachusetts: June 27, 2010.
64. Painter JT, Talbert J. Chronic opioid use in Kentucky Medicaid patients with fibromyalgia syndrome. Poster: American Society of Health-System Pharmacists 44th Midyear Clinical Meeting. Las Vegas, Nevada: December 6, 2009.
65. Painter JT, Talbert J. Medication utilization patterns in Kentucky Medicaid patients with fibromyalgia syndrome: a retrospective cohort study. Poster: Academy Health 26th Annual Research Meeting. Chicago, Illinois: June 28, 2009.
66. Painter JT, Blumenschein KB. Consumer willingness to pay for pharmacy services: a review of the literature. Poster: International Society for Pharmacoeconomics and Outcomes Researchers 14th Annual International Meeting: Orlando, Florida: May 16, 2009. *Value in Health*. 13(3): A92-A93 [PHP61].
67. Painter JT, Fink III JL. Using bulletin board postings to increase students' awareness of pharmaceutical policy issues. Poster: American Pharmacists Association Annual Meeting. San Antonio, Texas: April 3, 2009. *Journal of the American Pharmacists Association*. 2009 (Mar-Apr); 49:290 [180].
68. Painter JT, Talbert J. Risk of stroke associated with antipsychotic use: a retrospective cohort study. Poster: American Society of Health-System Pharmacists 43rd Midyear Clinical Meeting. Orlando, Florida: December 7, 2008.

Teaching Experience

Courses

Pharmacy Management (PHPR 7301), Professional Program

Three credit hours offered annually in the spring, Coordinator: 2012-2022 (approximately 110 students)

College of Pharmacy, University of Arkansas for Medical Sciences

Lectures: *Introduction to Pharmacy Management, Business Planning, Marketing I & II, Recruiting & Interviewing, Managing the Workplace, Risk Management, Pharmacy Informatics, Community Inventory*

Team-Based Learning Sessions: *Communication, Risk Management*

Case Conferences: *Management, Marketing, Human Resources, Financials, Cost of Dispensing, CV/Resume*

Pharmacoepidemiology (PSGP 6113), Graduate Program

Three credit hours offered biannually in the fall, Coordinator: 2013-present (approximately 5 students)

College of Pharmacy, University of Arkansas for Medical Sciences

Class sessions: *What is Pharmacoepidemiology, Pharmacoepidemiology Study Design, Sample Size Considerations, When to Perform Pharmacoepidemiology Studies, Spontaneous Reporting, Ongoing Systems for Pharmacoepidemiology Studies, Overview of Automated Databases, How to Perform Pharmacoepidemiology Studies, Advanced Approaches to Controlling Confounding, Risk Management, Risk Evaluation and Communication, Validity of Pharmacoepidemiology Drug and Diagnosis Data, Comparative Effectiveness Research, Sequential Statistical Methods, Pharmacoepidemiology and Pharmaceutical Reimbursement, Introduction to Pharmacoeconomics, Quality of Life Measurements, The Future of Pharmacoepidemiology.*

Introduction to Clinical Research (PHPR 7150), Professional Program

Two credit hours offered annually in the spring, Coordinator: 2017-present (approximately 5 students)

College of Pharmacy, University of Arkansas for Medical Sciences

Evidence Base for Pharmacy Practice (PPS 940) Professional Program

Three credit hours offered annually in spring 2010-2012, instructor.

College of Pharmacy, University of Kentucky

Lectures: *Introduction to Pharmacoeconomics, Introductory Biostatistics I and II, Introduction to Study Design, Measurement in Research, Levels of Measurement.*

Graduate student committee chair

Laura Gressler; Pharmaceutical Evaluation and Policy, Master of Science

Graduation Date: July 2017

Thesis: The relationship between concomitant opioid-benzodiazepine use and adverse outcomes among US Veterans

Initial placement: Doctoral student at University of Maryland, Pharmaceutical Health Services Research

Niranjan Kathe; Pharmaceutical Evaluation and Policy, Doctor of Philosophy

Graduation date: August 2019

Dissertation: Assessing the spillover effects of Medicaid expansion compared to non-expansion on existing Medicaid enrollees, children of Medicaid-eligible parents, and the commercially insured population

Initial placement: Senior Manager at Complete HEOR Solutions

Mrinmayee Lakkad; Pharmaceutical Evaluation and Policy, Doctor of Philosophy

Graduation date: May 2022

Dissertation: Management and burden of treatment-related pain in breast cancer survivors

Initial placement: Senior HEOR Researcher at Medtronic

Mriga Shrikhande; Pharmaceutical Evaluation and Policy, Master of Science

Anticipated graduation: December 2023

Thesis: Costs and utilization among SGLT-2 inhibitor and GLP-1 agonist users diagnosed with type-2 diabetes and CVD: A retrospective cohort study of commercially insured patients

Graduate student committee member

Joshua Brown. Pharmaceutical Evaluation and Policy, Master of Science

Graduation date: May 2014

Dissertation: Comparison of Inappropriate Prescribing Criteria for the Elderly – Beers 2003, Beers 2012 and STOPP Criteria – In a Large Administrative Claims Database

Initial placement: Pfizer/Humana Pharmacy Fellow pursuing PhD in Pharmaceutical Outcomes and Policy, University of Kentucky, Lexington, Kentucky

Anand Shewale. Pharmaceutical Evaluation and Policy, Doctor of Philosophy

Graduation date: May 2016

Dissertation: Comparative effectiveness of Hyaluronic acid injections for delay of surgical interventions among patients with knee osteoarthritis

Initial placement: Manager, Health Economics Outcomes Research, Allergan, Irvine, CA

Anuj Shah. Pharmaceutical Evaluation and Policy, Doctor of Philosophy

Graduation date: December 2017

Dissertation: Impact of Medicaid expansion under ACA on inpatient and emergency room utilization and substance use disorder treatment

Initial placement: Data Scientist at Genentech, Washington, DC

Mir Ali. Health Systems and Services Research, Doctor of Philosophy

Graduation date: December 2018

Dissertation: Geographic variation in prescription drug spending

Initial placement: Research Fellow, University of Arkansas for Medical Sciences.

Samina Dhuliawala. Pharmaceutical Evaluation and Policy, Master of Science

Graduation date: May 2022

Dissertation: Food Insecurity and Health Outcomes of Children with Intellectual and Developmental Disabilities in the United States

Initial placement: Real World Evidence Manager, Xcenda.

Mahip Acharya. Pharmaceutical Evaluation and Policy, Doctor of Philosophy

Graduation date: May 2022

Dissertation: Opioid Trajectories, Safety and Potential Opioid Misuse Among Individuals with Tramadol, Short-Acting Hydrocodone and Short-Acting Oxycodone Therapy

Initial placement: Senior Data Manager, University of Arkansas for Medical Sciences.

Ruchira Mahashabde. Pharmaceutical Evaluation and Policy, Doctor of Philosophy

Graduation date: May 2023

Dissertation: Immune Checkpoint Inhibitors Use in Older Adults with Non-small Cell Lung Cancer and Brain Metastasis

Initial placement: Associate Scientist, OPEN Health.

Pharmacy resident research mentorship

Amanda Bellile. PGY2 Pain and Palliative Care

Project: The effect of substance use disorder diagnosis on post-surgical opioid length of therapy

Megan Adams. PGY1 Pharmacy Resident

Project: Impact of CDC Guidelines on opioid prescribing in a VAMC emergency department

Lisa Dragic. PGY2 Pain and Palliative Care

Project: Effect of pharmacy intervention for opioid tapering

Emily Ellsworth. PGY1 Pharmacy Resident

Project: Effect of gabapentin on postoperative opioid consumption in the geriatric population

Thomas Webb. PGY2 Pain and Palliative Care

Project: Comparing the effectiveness of gabapentin and pregabalin in the treatment of neuropathic pain: a retrospective cohort of palliative care outpatients

Amy Brotherton. PGY1 Pharmacy Resident

Project: System-Wide Implementation of Extended-Infusion Piperacillin/Tazobactam at a Teaching Hospital

Sarah Lewis. PGY1 Community Pharmacy Resident

Project: The Effect of Appointment-Based Medication Synchronization on Clinical Services in a Community Pharmacy

Professional student research mentorship

Joshua Lowry and Brittany Butterfield; PY3 research project

Project: Opioid prescribing at post-surgical discharge

Katelyn Callaway; PY2 research project

Project:

Teaching development activities

Entering Mentorship Facilitation Training

University of Arkansas for Medical Sciences, Translational Research Institute; October 2022

Teaching Scholars

University of Arkansas for Medical Science; Graduate, June 2014

Teaching Essentials Institute

American Association of Colleges of Pharmacy; Team Member, May 2013

48th Graduate Summer Session in Epidemiology

University of Michigan; Attendee, July 2013

Service

Public

Fellowship Steering Committee

South Central Mental Illness Research, Education, and Clinical Center; Member, October 2022-Present

Membership Committee

AcademyHealth; Member July 2018-June 2021

Annual Research Meeting Planning Committee

AcademyHealth; Member July 2018-June 2019

Behavioral Health Services Research Advisory Committee

AcademyHealth; Member, July 2015-Present; Vice-chair, July 2016-June 2017; Chair July 2017-June 2018

Pain Board

Central Arkansas Veterans Healthcare System; Member, October 2016-Present

University

Intercollegiate Faculty Council

University of Arkansas for Medical Sciences; Member, January 2021-Present

IPE Faculty Development Pillar Team

University of Arkansas for Medical Sciences; Member, January 2021-Present

Educators Academy Advisory Committee

University of Arkansas for Medical Sciences; Member, June 2017-Present; Reviewer, June 2017-Present

College

Executive Committee

University of Arkansas for Medical Sciences; Member, July 2019-Present

Promotion and Tenure Committee

University of Arkansas for Medical Sciences; Member, July 2017-June 2020

Student Research Committee

University of Arkansas for Medical Sciences; Member, July 2017-June 2020

Educational & Technology Support Advisory Committee

University of Arkansas for Medical Sciences; Member, July 2016-June 2020

Research Certificate Program Committee

University of Arkansas for Medical Sciences; Member, July 2019-Present

Pharmacy Practice Postgraduate Education Committee

University of Arkansas for Medical Sciences; Member, July 2015-June 2017; Chair, July 2015-June 2016

Pharmacy Practice New Faculty Member Development Committee

University of Arkansas for Medical Sciences; Member, February 2013-July 2013

Pharmaceutical Evaluation and Policy Graduate Student Advisory Committee

University of Arkansas for Medical Sciences; Member, January 2013-Present; Co-chair, July 2015-June 2016

Honors, Awards, and Licensures

Selected: UAMS Executive Healthcare Leadership Institute (2023)

Selected: AACP Academic Leadership Fellows Program (2022)

Awarded: Outstanding Author, Journal of the American Pharmacists Association (2020)

Selected: UAMS Leadership Institute (2018)

Awarded: Best New Investigator, Arkansas College of Clinical Pharmacy (2015)

Licensed: Registered Pharmacist, Arkansas Board of Pharmacy (2014-present)

Licensed: Registered Pharmacist, Kentucky Board of Pharmacy (2009-present)

Commissioned: The Honorable Order of Kentucky Colonels (2012)

Awarded: Oscar C. Dilly Excellence in Pharmacy Administration (2009)

Awarded: 1st Place Poster, Rho Chi Research Day; University of Kentucky (2009)

Inducted: Phi Lambda Sigma Leadership Honor Society (2006)

Invited Presentations

1. Painter JT. Approaches to Educational Research: Best Practices to Answer Your Question. University of Arkansas for Medical Sciences Teaching Scholars Program. Little Rock, Arkansas: February 12, 2019.
2. Painter JT. Approaches to opioid optimization and pain management: Overview of CAVHS options. Little Rock Air Force Base Medical Lunch and Learn. Little Rock AFB, Arkansas. November 6, 2018.
3. Painter JT. Test and Item Analysis. University of Arkansas for Medical Sciences, Teaching Certificate Program. Little Rock, Arkansas: July 24, 2017; July 17, 2018.
4. Painter JT. The Cost of Drugs. Lifequest of Arkansas. Little Rock, Arkansas. May 16, 2018.
5. Painter JT. Determining the Appropriateness of Off-Label Antipsychotic Use for Mental Health Indications. University of Arkansas for Medical Sciences, Department of Psychiatry Grand Rounds. Little Rock, Arkansas: August 1, 2016.
6. Painter JT. The Value of Pharmacists: Medication Adherence. Mercer University College of Pharmacy, Center for Clinical Outcomes Research and Education. Atlanta, Georgia: April 13, 2016
7. Painter JT. Opioid Abuse and Misuse Epidemic: Examining the Policy Landscape. University of Arkansas for Medical Sciences Pharmacy Update. Little Rock, Arkansas: December 13, 2015.

8. Painter JT. Introduction to Cost-Effectiveness Analysis. Veterans Affairs Geriatric Research, Education and Clinical Center. North Little Rock, Arkansas: November 2, 2015.
9. Painter JT. Seniors and Drugs of Abuse. Invited presentation: University of Arkansas for Medical Sciences 16th Annual Geriatrics and Long-Term Care Update. Little Rock, Arkansas: September 27, 2015.
10. Painter JT. Writing your curriculum vitae. Invited presentation: Arkansas Association of Health-System Pharmacists 48th Annual Fall Seminar. Little Rock, Arkansas: October 3, 2014. Invited presentation: Harding University College of Pharmacy. Searcy, Arkansas: October 30, 2014. 47th Annual Fall Seminar. Little Rock, Arkansas: October 4, 2013.

Reviewer

Grants

Department of Veterans Affairs. Scientific Merit Review Board Subcommittee on Health Care and Clinical Management. Standing Member, 2020-2024.

Uniformed Services University. Health Services Research Program. 2018-Present.

Netherlands Organization for Health Research and Development. 2016 Efficiency Research Grants Program.

Meeting abstracts

AcademyHealth. 2017 Annual Research Meeting Behavioral Health Services Research Topic Highlights.

AcademyHealth. 2015-2017 Behavioral Health Services Research Annual Adjunct Meeting.

Chapters

American College of Clinical Pharmacy. 2016-2018 Pharmacotherapy Self-Assessment Program Journal of Pharmacy Practice: Fibromyalgia.

Journals

Journal of General Internal Medicine

International Journal of Pharmacy Practice

Arthritis Care & Research

Currents in Pharmacy Teaching and Learning

American Journal of Pharmacy Benefits

Journal of the American Pharmacists Association

Pharmacy Practice

Psychiatric Service

Pain Medicine

Organizational Memberships

American Association of Colleges of Pharmacy

International Society for Pharmacoepidemiology

American Society of Health-System Pharmacists

The Phi Kappa Psi Fraternity

AcademyHealth